



California  
**ENERGY COMMISSION**



California Energy Commission

## **COMMISSION REPORT**

# **Electric Program Investment Charge**

**2025 Annual Report**

**Appendices A–D**

**August 2026 | CEC-500-2026-024-AP**

# California Energy Commission

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Rachel Salazar

Hudson Spivey

Ben Wender

Misa Werner

Susan Wilhelm

**Primary Authors**

Doris Yamamoto

**Project Manager**

Rebecca Avilés

**Manager**

**STRATEGIC ANALYSIS & ENGAGEMENT SECTION**

Angie Gould

Cammy Peterson

**Deputy Directors**

Jonah Steinbuck, Ph.D.

**Director**

**ENERGY RESEARCH AND DEVELOPMENT DIVISION**

Drew Bohan

**Executive Director**

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# APPENDIX A:

## 2025 CEC EPIC Reporting Requirements and Budget Summaries

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The California Energy Commission (CEC) is committed to transparency and full compliance with all applicable Electric Program Investment Charge (EPIC) reporting and informational requirements.

This annual report has been prepared in accordance with both statutory and regulatory reporting requirements and will be submitted to the California Legislature and the California Public Utilities Commission (CPUC) after CEC adoption at a business meeting.

Reporting requirements in Public Resources Code (PRC) Section 25711.5(f) and as specified in CPUC Decisions relating to EPIC are referenced in Tables A-1 and A-2, which also include the location where the responsive information can be found. Summary budget information related to the CEC’s administration of EPIC is provided in Tables A-3 through A-13.

The CEC must prepare and submit an annual report on the EPIC program to the California Legislature and the CPUC no later than April 30 of each year.

**Table A-1: CEC EPIC Reporting Requirements for the Legislature – Calendar Year 2025**

| Legislative Requirement                                                                                                                                                                                                                                                                                                                                                                                   | Location in Report and Information                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Annual Report to Legislature</u> : California Public Resources Code (PRC) Section 25711.5(f) requires an annual report to the Legislature. The annual report must contain all information as described in Section 25711.5(f)(1)-(8) as follows:                                                                                                                                                        | See below.                                                                                                                                                                                                                                                                                                                          |
| (1) A brief description of each project for which funding was awarded in the immediately prior calendar year, including the name of the recipient and the amount of the award, a description of how the project is thought to lead to technological advancement or breakthroughs to overcome barriers to achieving the state’s statutory energy goals, and a description of why the project was selected. | <a href="https://www.energizeinnovation.fund">Energize Innovation Showcase</a> at <a href="https://www.energizeinnovation.fund">https://www.energizeinnovation.fund</a> and the CPUC’s <a href="https://www.epicpartnership.org">EPIC Database</a> at <a href="https://www.epicpartnership.org">https://www.epicpartnership.org</a> |
| (2) A brief description of each project funded by the EPIC program that was completed in the immediately prior calendar year, including the name of the recipient, the amount of the award, and the outcomes of the funded project.                                                                                                                                                                       | <a href="https://www.energizeinnovation.fund">Energize Innovation Showcase</a> at <a href="https://www.energizeinnovation.fund">https://www.energizeinnovation.fund</a> and CPUC’s <a href="https://www.epicpartnership.org">EPIC Database</a> at <a href="https://www.epicpartnership.org">https://www.epicpartnership.org</a>     |

| Legislative Requirement                                                                                                                                                                                                                                                                                                                                                                                    | Location in Report and Information                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (3) A brief description of each project funded by the EPIC program for which an award was made in the previous years but that is not completed, including the name of the recipient and the amount of the award, and a description of how the project will lead to technological advancement or breakthroughs to overcome barriers to achieving the state’s statutory energy goals.                        | <a href="https://www.energizeinnovation.fund">Energize Innovation Showcase</a> at <a href="https://www.energizeinnovation.fund">https://www.energizeinnovation.fund</a> and CPUC’s <a href="https://www.epicpartnership.org">EPIC Database</a> at <a href="https://www.epicpartnership.org">https://www.epicpartnership.org</a> |
| (4) Identification of the award recipients that are California-based entities, small businesses, or businesses owned by women, minorities, or disabled veterans.                                                                                                                                                                                                                                           | Appendix C to this annual report.                                                                                                                                                                                                                                                                                               |
| (5) Identification of which awards were made through a competitive bid, interagency agreement, or sole source method, and the action of the Joint Legislative Budget Committee (JLBC) pursuant to paragraph (2) of subdivision (h) for each award made through an interagency agreement or sole source method.                                                                                             | Appendix C to this annual report identifies award methods for all agreements.<br><br>Information for interagency and sole source agreements and JLBC action, as of December 31, 2025, is provided in Appendix A of this annual report.                                                                                          |
| (6) Identification of the total amount of administrative and overhead costs incurred for each project.                                                                                                                                                                                                                                                                                                     | Appendix C to this annual report.                                                                                                                                                                                                                                                                                               |
| (7) A brief description of the impact on program administration from the allocations required to be made pursuant to PRC Section 25711.6, including any information that would help the Legislature determine whether to reauthorize those allocations beyond June 30, 2023.                                                                                                                               | PRC Section 25711.6 became inoperative on July 1, 2023, and is repealed, as of January 1, 2024.                                                                                                                                                                                                                                 |
| (8) A brief description of each project for which follow-on funding was awarded in the immediately prior calendar year, including the amount of follow-on funding awarded for the project and the method and criteria used to select that project. <i>(Amended by Stats. 2025, Ch. 15, Sec. 6. (SB 127) effective June 27, 2025. PRC Section 25711.5 paragraph 4 becomes inoperative January 1, 2028.)</i> | Appendix A, Table A-10, identifies the projects awarded EPIC follow-on funding as of December 31, 2025, including the method and criteria used to select the projects.                                                                                                                                                          |

Source: California Energy Commission staff

**Table A-2: CEC EPIC Reporting Requirements for the CPUC – Calendar Year 2025**

| <b>CPUC Requirement or Recommendation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Location in Report or Status</b>                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A. Annual Report to Legislature:</b> CPUC Decision (D.)13-11-025, Ordering Paragraph (OP) 29: "Provide to the Commission copies of the Electric Program Investment Charge (EPIC) reports to the Legislature required by Public Resources Code § 25711.5 (e)[f]."                                                                                                                                                                                                                                                                                  | The annual report prepared and submitted to the Legislature pursuant to PRC Section 25711.5(f) will be submitted to the CPUC upon submittal to the Legislature.                                                                                                                                                                                                                          |
| <b>B. Annual Report to CPUC:</b> CPUC D.23-04-042, OP 8: "The Electric Program Investment Charge (EPIC) Program Administrators shall file annual reports on April 30 of each year, via a Tier 2 Advice Letter that follow[s] the outline in Appendix C."                                                                                                                                                                                                                                                                                             | The annual report has been prepared in accordance with applicable CPUC reporting requirements reflected in D.23-04-042 and will be filed with the CPUC after CEC adoption at a business meeting.                                                                                                                                                                                         |
| <b>C. Annual Report Posting:</b> CPUC D.23-04-042, OP 9: "All Electric Program Investment Charge (EPIC) Program Administrators shall post clearly and prominently in their annual reports and on all program, project, and outreach materials, websites, and any other public materials (including those of third-party EPIC contractors) the following language consistent with other utility ratepayer funding programs: This program is funded by California utility customers under the auspices of the California Public Utilities Commission." | The required language is included in the Acknowledgements and Chapter 1 of this annual report.                                                                                                                                                                                                                                                                                           |
| <b>D. Service:</b> CPUC D.12-05-037, OP 16: "Annual reports shall be served on all parties in the most recent EPIC proceeding, all parties to the most recent general rate case of each electric utility . . . , and each successful and unsuccessful applicant for an EPIC funding award during the previous calendar year."                                                                                                                                                                                                                        | This annual report will be served on all parties in the most recent EPIC proceeding; all parties to the most recent general rate case of each IOU EPIC administrator; and each successful and unsuccessful applicant for a CEC EPIC funding award during the previous calendar year.                                                                                                     |
| <b>E. Information Availability:</b> CPUC D.13-11-025, OP 13: "Except when valid reasons exist for confidentiality, the California Energy Commission . . . must make available upon request all data, findings, results, computer models and other products developed through the Electric Program Investment Charge program, consistent with the treatment of intellectual property requirements."                                                                                                                                                   | The CEC has and will continue to respond to all requests for information in accordance with any confidentiality requirements and consistent with the treatment of intellectual property requirements. Requests can be sent to the CEC's <a href="mailto:erdd@energy.ca.gov">Energy Research and Development Division</a> at <a href="mailto:erdd@energy.ca.gov">erdd@energy.ca.gov</a> . |

| CPUC Requirement or Recommendation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Location in Report or Status                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>F. Project Reporting:</b> CPUC D.13-11-025, OP 14: "The California Energy Commission . . . must include with their Electric Program Investment Charge annual report a final report on every project completed during the previous year. The final project report must provide a comprehensive description of the project, present detailed findings and results, including a summary of all data collected and how the data may be accessed."</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>Links to published final reports for projects completed in 2025 are provided in Appendix A, Table A-11, and captured in the <a href="https://www.energizeinnovation.fund">Energize Innovation Showcase</a> at <a href="https://www.energizeinnovation.fund">https://www.energizeinnovation.fund</a> and in CPUC's <a href="https://www.epicpartnership.org">EPIC Database</a> at <a href="https://www.epicpartnership.org">https://www.epicpartnership.org</a>.</p>  |
| <p><b>G. Project Reporting:</b> D.24-04-042:</p> <p>Appendix C, Item 4a: "High level summary (Table of number of projects funded and total funding, by Strategic Initiative, Topic Area, investment period, and project status (open, completed, and suspended in the past year). Narrative detail of any key successes or impediments/setbacks in the past year. Describe any current joint CEC/IOU projects, or plans to develop them."</p> <p>Appendix C, Item 4b: "Project Status Report (Summary narrative including success stories, impediments/setbacks, and lessons learned in the past year, including lessons learned from fund shifting. Anticipated RFPs from the coming year.)"</p> <p>Page 38: "We also agree to no longer require Administrators to include a spreadsheet with the annual report (D.13-11-025 Attachment 6), because this data should be captured in the EPIC database."</p> | <p>The annual report prepared and submitted to the Legislature will be submitted to the CPUC, accompanied by a Tier 2 Advice Letter setting forth the required project-level information in section 4 of the Tier 2 Advice Letter.</p> <p>The information previously required on a spreadsheet can be found on CPUC's <a href="https://www.epicpartnership.org">EPIC Database</a> at <a href="https://www.epicpartnership.org">https://www.epicpartnership.org</a>.</p> |
| <p><b>H. Awards:</b> CPUC D.13-11-025, OP 15: "The California Energy Commission . . . must report the use of non-competitive awards in their annual reports to the Commission."</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>This information is provided in Appendix A, Table A-8, and Appendix C of this annual report.</p>                                                                                                                                                                                                                                                                                                                                                                     |
| <p><b>I. Annual Report Alignment and TD&amp;D Funding:</b> CPUC D.23-04-042 OP 2: "Beginning with the Electric Program Investment Charge (EPIC) 4 Investment Plans, EPIC Administrators shall consider the California Public Utilities Commission's (Commission) Environmental and Social Justice Action Plan, the Commission's Distributed Energy Resources Action Plan, and the federal Justice40 Initiative when developing EPIC investment plans. The EPIC 4 Investment Plans</p>                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>Chapter 2 of this annual report provides the required descriptions of how the CEC meets the standards ordered in D.23-04-042, OP 2, and will be submitted to the CPUC, accompanied by a Tier 2 Advice Letter setting forth the information.</p>                                                                                                                                                                                                                      |

| CPUC Requirement or Recommendation                                                                                                                                                                                                                                                                                                                                                                                                     | Location in Report or Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| shall dedicate at least 25 percent of technology demonstration and deployment (TD&D) funds toward projects located in and benefitting disadvantaged communities and at least an additional 10 percent allocation of TD&D funds toward projects located in and benefitting low-income communities. In their annual reports, EPIC Administrators shall indicate how their investment plans meet the standards set in these initiatives.” |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J. Match Funding Reporting:</b> CPUC D.12-05-37, Page 44: “. . . we encourage the use and leveraging of matching funds whenever possible.”                                                                                                                                                                                                                                                                                          | <p>This annual report discusses leveraged match funding and lists all project match funds in Appendix C.</p> <p>The annual report submitted to the Legislature will be submitted to the CPUC, accompanied by a Tier 2 Advice Letter setting forth the information.</p>                                                                                                                                                                                                                                |
| <b>K. Information Availability:</b> CPUC D.13-11-025, OP 29(b): “Give the Commission, at the Commission’s request, full access rights to all EPIC research, development, and demonstration, reports, Intellectual Property (IP), and data to which the CEC has access, with appropriate protections for proprietary data and IP against public disclosure;”                                                                            | <p>The CEC is able and willing to comply with any CPUC requests pursuant to this requirement. Requests can be sent to the <a href="mailto:erdd@energy.ca.gov">Energy Research and Development Division</a> at erdd@energy.ca.gov.</p>                                                                                                                                                                                                                                                                 |
| <b>L. Information Availability:</b> CPUC D.13-11-025, Page 64: “We decline to require this but encourage the CEC to make its reports accessible to the public on its EPIC webpage and through its Public Advisor.”                                                                                                                                                                                                                     | <p>The CEC posts its EPIC annual reports on its <a href="https://www.energy.ca.gov/data-reports/reports/energy-research-and-development-investment-plans-and-annual-reports">Energy Research and Development Investment Plans and Annual Reports</a> webpage at https://www.energy.ca.gov/data-reports/reports/energy-research-and-development-investment-plans-and-annual-reports and makes its reports available through CEC’s Office of the Public Advisor, Energy Equity, and Tribal Affairs.</p> |
| <b>M. CPUC Proceedings:</b> CPUC D.15-04-020, OP 6: “The California Energy Commission . . . shall identify specific Commission proceedings addressing issues related to each Electric Program Investment Charge (EPIC) project in their annual EPIC reports.”                                                                                                                                                                          | <p>The CEC provides this information to the CPUC for its <a href="https://www.epicpartnership.org">EPIC Database</a> at https://www.epicpartnership.org, which identifies specific CPUC proceedings related to each CEC EPIC-funded project. In addition, CEC and CPUC staff have implemented regular coordination meetings to identify and discuss</p>                                                                                                                                               |

| CPUC Requirement or Recommendation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Location in Report or Status                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | potential intersections between CEC EPIC projects and CPUC proceedings.                                                                                                                                                                                                                                                                                   |
| <p><b>N. Project Reporting for IOU-Partner Projects:</b> CPUC D.15-04-020, Page 53: “If an IOU administrator chooses to be a necessary partner on a CEC EPIC project . . . the IOU may use its EPIC funds for in-house costs, in this case, the IOU’s reports shall identify the CEC project title and amount of IOU funding used, but the CEC shall be responsible for all other substantive reporting as with all its other projects.”</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>The <a href="https://www.energizeinnovation.fund">Energize Innovation Showcase</a> at <a href="https://www.energizeinnovation.fund">https://www.energizeinnovation.fund</a> provides all substantive reporting for CEC EPIC projects, including any joint IOU and CEC projects.</p>                                                                    |
| <p><b>O. Fund Shifts Between Program Areas:</b> For EPIC investment plans prior to 2021, CPUC Decision 13-11-025, OP 36 states, “The California Energy Commission . . . must file a petition to modify to request authority to shift more than five percent of the adopted budget for each funding category/program area or to new categories of funding.”</p> <p>For later investment plans, the following applies from D.21-11-028: OP 9: “The requirement of D.12-05-037 that administrators obtain Commission approval to shift more than five percent of funds between the three EPIC program categories of expenditure authorized in an investment plan is eliminated.”</p> <p>OP 10: “EPIC Administrators are authorized to reallocate up to 15 percent of funds among each of their approved initiatives without additional Commission approval.”</p> <p>OP 11: “. . . the California Energy Commission shall file a Tier 2 Advice Letter seeking Commission approval to reallocate more than 15 percent of funds between initiatives.”</p> | <p>Information on the funds that were shifted as of December 31, 2025, is provided in Appendix A, Tables A-12 and A-13.</p> <p>The CEC has no pending requests to CPUC to shift funds above 5 percent for the 2021–2025 EPIC 4 Interim Investment Plan (Year 1) or above 15 percent, beginning with the 2021–2025 EPIC 4 Investment Plan (Years 2–5).</p> |

Source: California Energy Commission staff

## CEC EPIC Budget Information for Calendar Year 2025

The following tables provide approved budget information for the CEC's administration of open EPIC investment plans through 2025.

**Table A-3: CPUC-approved CEC Funding for the 2021—2025  
EPIC 4 Interim Investment Plan (Year 1: 2021)**

| Category                                                | Budget Amount        |
|---------------------------------------------------------|----------------------|
| Program Area: Applied Research and Development          | \$41,200,000         |
| Program Area: Technology Demonstration and Deployment   | \$75,000,000         |
| Program Area: Market Facilitation                       | \$16,334,000         |
| <b>Program Area Subtotal</b>                            | <b>\$132,534,000</b> |
| CEC Program Administration (10%)                        | \$14,726,000         |
| CPUC Policy and Program Oversight Administration (0.5%) | \$740,000            |
| <b>Interim Investment Plan Total</b>                    | <b>\$148,000,000</b> |

Source: California Energy Commission staff

**Table A-4a: CPUC-approved CEC Funding for the 2021—2025  
EPIC 4 Investment Plan (Years 2–5: 2022-2025)**

| Initiative/Category                                          | Budget Amount        |
|--------------------------------------------------------------|----------------------|
| Non-Variable Renewable Energy                                | \$23,000,000         |
| Variable Renewable Energy                                    | \$29,000,000         |
| Clean, Dispatchable Resources                                | \$55,000,000         |
| Grid Modernization                                           | \$27,240,000         |
| Distributed Energy Resource Integration and Load Flexibility | \$86,000,000         |
| Transportation Electrification                               | \$59,000,000         |
| Industrial Decarbonization                                   | \$46,000,000         |
| Building Decarbonization                                     | \$60,000,000         |
| Entrepreneurial Support                                      | \$63,800,000         |
| Scaling Clean Energy Technology                              | \$18,200,000         |
| Climate Resiliency                                           | \$18,000,000         |
| Environmental Sustainability                                 | \$15,000,000         |
| <b>Initiative Subtotal</b>                                   | <b>\$500,240,000</b> |
| CEC Program Administration (15%)                             | \$88,800,000         |
| CPUC Policy and Program Oversight Administration (0.5%)      | 2,960,000            |
| <b>Investment Plan Total</b>                                 | <b>\$592,000,000</b> |

Source: California Energy Commission staff

**Table A-4b: CEC 2021–2025 EPIC 4 Investment Plan (Years 2–5: 2022-2025)  
Encumbered Project Funding by Program Area  
(Cumulative through December 31, 2025)**

| <b>Program Area</b>                     | <b>Encumbered Amount</b> |
|-----------------------------------------|--------------------------|
| Applied Research and Development        | \$90,769,788.00          |
| Technology Demonstration and Deployment | \$196,871,428.00         |
| Market Facilitation                     | \$88,856,363.00          |
| <b>Total</b>                            | <b>\$376,497,579</b>     |

Source: California Energy Commission staff

Table A-5 summarizes the committed project funds and encumbered project funds for each EPIC investment plan. The data in this table are current as of December 31, 2025.

**Table A-5: Committed and Encumbered Project Funding by EPIC Investment Plan  
(Cumulative through December 31, 2025)**

| <b>Investment Plan</b>            | <b>Approved Plan Project Funds</b> | <b>Committed Project Funds</b> | <b>Encumbered Project Funds</b> |
|-----------------------------------|------------------------------------|--------------------------------|---------------------------------|
| 2012–2014 EPIC 1                  | \$331,800,000                      | \$331,800,000                  | \$317,794,955                   |
| 2015–2017 EPIC 2                  | \$365,004,500                      | \$365,004,500                  | \$339,652,843                   |
| 2018–2020 EPIC 3                  | \$397,380,000                      | \$397,380,000                  | \$394,581,422                   |
| 2021–2025 EPIC 4 Interim (Year 1) | \$132,534,000                      | \$132,534,000                  | \$119,745,626                   |
| 2021–2025 EPIC 4 (Years 2–5)      | \$500,240,000                      | \$500,240,000                  | \$376,497,579                   |
| <b>Total</b>                      | <b>\$1,726,958,500</b>             | <b>\$1,726,958,500</b>         | <b>\$1,548,272,425</b>          |

Source: California Energy Commission staff

Table A-6 summarizes the unencumbered project funds for each EPIC investment plan. CEC plans to encumber the balance from the 2021–2025 investment plans by June 30, 2027. Table 4 in Chapter 5 provides a list of anticipated solicitations for 2026.

**Table A-6: Encumbered and Unencumbered Project Funding  
by EPIC Investment Plan (Cumulative through December 31, 2025)**

| <b>Investment Plan</b> | <b>Approved Plan Project Funds</b> | <b>Encumbered Project Funds</b> | <b>Unencumbered Project Funds</b> |
|------------------------|------------------------------------|---------------------------------|-----------------------------------|
| 2012–2014 EPIC 1       | \$331,800,000                      | \$317,794,955                   | \$14,005,045                      |
| 2015–2017 EPIC 2       | \$365,004,500                      | \$339,652,843                   | \$25,351,657                      |
| 2018–2020 EPIC 3       | \$397,380,000                      | \$394,581,422                   | \$2,798,578                       |

| <b>Investment Plan</b>            | <b>Approved Plan Project Funds</b> | <b>Encumbered Project Funds</b> | <b>Unencumbered Project Funds</b> |
|-----------------------------------|------------------------------------|---------------------------------|-----------------------------------|
| 2021—2025 EPIC 4 Interim (Year 1) | \$132,534,000                      | \$119,745,626                   | \$12,788,374                      |
| 2021—2025 EPIC 4 (Years 2-5)      | \$500,240,000                      | \$376,497,579                   | \$123,742,421                     |
| <b>Total</b>                      | <b>\$1,726,958,500</b>             | <b>\$1,548,272,425</b>          | <b>\$178,686,075</b>              |

Source: California Energy Commission staff

Table A-7 summarizes the new projects awarded by solicitation or direct agreement (non-competitive sole source, interagency, or follow-on funding agreements) in 2025.

**Table A-7: New CEC-Approved EPIC Project Awards in 2025**

| <b>Solicitation Number</b>  | <b>Solicitation Title</b>                                                                                              | <b># of Awards</b> | <b>Award Amount</b> |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|
| Direct Agreement EPC-24-053 | Blue Lake Rancheria Nested Community Microgrids                                                                        | 1                  | \$5,000,000         |
| GFO-20-305p3                | The Next EPIC Challenge: Reimagining Affordable Mixed-Use Development in a Carbon-Constrained Future - Phase 3 Build   | 1                  | \$8,000,000         |
| GFO-21-304R2                | RAMP 2022: Realizing Accelerated Manufacturing and Production for Clean Energy Technologies - Round 2                  | 1                  | \$2,991,945         |
| GFO-21-901r8                | Cost Share for Federal Clean Energy-Funding Opportunities - Round 8                                                    | 1                  | \$1,158,129         |
| GFO-22-301r2                | Commercializing Industrial Decarbonization (2022 CID Program) — Round 2                                                | 1                  | \$6,364,788         |
| GFO-23-304                  | Geothermal Energy Operations and Lithium Innovation (GEO/LI)                                                           | 3                  | \$11,363,971        |
| GFO-23-306                  | Grid-Supportive Transportation Electrification                                                                         | 3                  | \$9,319,400         |
| GFO-23-308                  | DC HVAC Nanogrid Module Development and Demonstration                                                                  | 3                  | \$4,176,950         |
| GFO-23-309                  | Virtual Power Plant Approaches for Demand Flexibility (VPP-FLEX)                                                       | 7                  | \$24,116,869        |
| GFO-23-310                  | Non-Energy Impacts and Process Evaluation of Integrated Energy Retrofit Packages in California's Residential Buildings | 1                  | \$2,999,458         |
| GFO-23-315                  | Clean, Dispatchable Generation                                                                                         | 1                  | \$4,000,000         |

| <b>Solicitation Number</b> | <b>Solicitation Title</b>                                                                  | <b># of Awards</b> | <b>Award Amount</b>  |
|----------------------------|--------------------------------------------------------------------------------------------|--------------------|----------------------|
| GFO-23-316                 | Industrial, Agricultural, and Water Flexible Demand Research and Deployment Hub            | 1                  | \$17,000,000         |
| GFO-23-317                 | Energy Storage Innovations to Support Grid Reliability - Phase 2                           | 6                  | \$30,403,122         |
| GFO-23-318                 | Bringing Rapid Innovation Development to Green Energy (BRIDGE) 2024                        | 8                  | \$25,776,915         |
| GFO-24-301                 | Advancing the Environmental Sustainability of the Clean Energy Transition (Enviro-SET)     | 5                  | \$2,887,678          |
| GFO-24-302                 | Enabling Electric Vehicles as Distributed Energy Resources - Phase 2                       | 9                  | \$15,463,742         |
| GFO-24-304                 | California Battery Pilot Manufacturing Line                                                | 1                  | \$28,000,000         |
| GFO-24-306                 | Applications of Open Data to Support Climate Resilience in California's Electricity Sector | 4                  | \$5,400,000          |
| GFO-24-307                 | Advancing Designs and Analysis of HVDC Substations and Environmental Monitoring for FOSW   | 3                  | \$9,243,382          |
| <b>Total</b>               |                                                                                            | <b>60</b>          | <b>\$213,666,349</b> |

Source: California Energy Commission staff

Table A-8 summarizes the cumulative amount of interagency agreements or sole-source awards through 2025 (not including EPIC follow-on funding in Table A-10) and the action of the JLBC.

**Table A-8: EPIC Direct Project Awards (Interagency Agreement or Sole Source)  
(Cumulative through December 31, 2025)**

| <b>Agreement Number</b> | <b>Agreement Title</b>                                                                        | <b>Recipient/ Contractor</b>                        | <b>Project Funds Amount</b> | <b>Joint Legislative Budget Committee Action</b> |
|-------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------|--------------------------------------------------|
| 300-15-004              | Optimizing Hydropower Operations While Sustaining Stream Temperatures and Ecosystem Functions | The Regents of the University of California, Merced | \$650,000                   | Approved                                         |
| 300-15-005              | Improving Hydrologic and Energy Demand Forecasts                                              | The Regents of the University of                    | \$720,000                   | Approved                                         |

| <b>Agreement Number</b> | <b>Agreement Title</b>                                                                                               | <b>Recipient/ Contractor</b>                               | <b>Project Funds Amount</b> | <b>Joint Legislative Budget Committee Action</b> |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------|--------------------------------------------------|
|                         | for Hydropower Operations with Climate Change                                                                        | California, on behalf of the Irvine Campus                 |                             |                                                  |
| 300-15-006              | Optimizing Use of Non-traditional Waters, Drought Proofing the Electricity System, and Improving Snowpack Prediction | The Regents of the University of California, Los Angeles   | \$1,130,000                 | Approved                                         |
| EPC-22-009              | National Offshore Wind Research and Development Consortium — CEC-NOWRDC Offshore Wind Block Grant Program            | National Offshore Wind Research and Development Consortium | \$5,000,000                 | Approved                                         |
| <b>Total</b>            |                                                                                                                      |                                                            | <b>\$7,500,000</b>          |                                                  |

Source: California Energy Commission staff

## EPIC Follow-on Funding Awards

The Budget Act of 2020 (Senate Bill (SB) 115, Committee on Budget and Fiscal Review, Chapter 40, Statutes of 2020) initially allowed the CEC to provide follow-on funding during fiscal year 2020–2021 to a limited number of EPIC agreements that meet the criteria identified in the legislation.<sup>1</sup> SB 115 directed the CEC to identify in the EPIC annual reports for 2020 and 2021, the projects that received this follow-on funding, the amount of follow-on funding each project received, and the method and criteria that were used for their selection.

In 2020, consistent with SB 115, CEC developed two sets of criteria to invite and select proposed follow-on projects (Table A-9): 1) administrative screening; and 2) assessment of commercialization potential and policy impact. At that time, CEC began the process for selecting awards for SB 115 follow-on funding. The Budget Act of 2025 (Senate Bill 127, Committee on Budget, Chapter 15, Statutes of 2025) extended the CEC’s authority to award follow-on funding until January 1, 2028.<sup>2</sup>

Table A-9 provides the statutory criteria that authorize the CEC to award EPIC project funds to follow-on projects and includes the project technical evaluation criteria developed by the CEC. Projects are awarded through an Invitation for Bid method. As part of this method, CEC staff identifies project recipients based on prior project performance, policy impact, and statutory requirements for follow-on funding and invites them to submit a proposal for follow-on funding. A CEC technical evaluation committee reviews and evaluates the proposals and

<sup>1</sup> Item 3360-101-3211 of Section 2.00 of the Budget Act of 2020.

<sup>2</sup> Section 6 of the Budget Act of 2025, codified at Public Resources Code section 25711.5(h)(4).

recommends whether each project merits follow-on funding. If the determination is affirmative, the proposed follow-on agreement is considered for approval at a CEC business meeting.

**Table A-9: EPIC Follow-on Funding Criteria for Administrative Screening and Technical Evaluation**

| Criteria Section                                                | Criteria Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Section 1:<br/>Administrative<br/>Screening<br/>Criteria</b> | <p>Follow-on project proposals must meet all the following to be eligible for funding:</p> <ul style="list-style-type: none"> <li>• The project has a prime recipient that is located in California.</li> <li>• The project will spend a minimum of 80 percent of its funding from the program in California.</li> <li>• The project has received funding for the original project or technology through a competitive bid process from a state or federal agency.</li> <li>• The project has demonstrated significant results under its previous award.</li> <li>• The project has technology breakthrough potential that can enable the state to achieve its statutory energy policy goals ahead of schedule.</li> <li>• The project can address near-term priorities impacting the electricity sector and its customers, such as wildfires and associated power disruptions.</li> <li>• Absent follow-on funding, the project would experience a gap in funding that would likely prevent the technology from achieving significant technological advancement, negatively impact the ability of the project to attract sufficient private investment, or prevent the project's commercialization and associated sales revenue.</li> <li>• The project has not previously received follow-on funding through a non-competitive process.</li> <li>• For Technology Demonstration and Deployment projects, the project has a minimum of 20 percent match share.</li> </ul> |
| <b>Section 2:<br/>Technical<br/>Evaluation<br/>Criteria</b>     | <p>The following criteria are used to assess whether a project merits follow-on funding:</p> <ul style="list-style-type: none"> <li>• The technology has a competitive advantage over existing commercial offerings.</li> <li>• The market adoption potential for the technology in California is compelling.</li> <li>• Quantified and qualitative benefits to electric ratepayers based on a reasonable estimate of market adoption, if applicable, are compelling.</li> <li>• The project has the ability to address near-term priorities impacting the electricity sector and its customers, including the following:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Criteria Section | Criteria Description                                                                                                                                                                                                                                                   |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | <ul style="list-style-type: none"> <li>○ Wildfires and public safety power shutoff-related outages</li> <li>○ Grid and customer service reliability</li> <li>• Performance metrics and technical milestones achieved under the prior project are promising.</li> </ul> |

Source: California Energy Commission staff

Table A-10 summarizes the cumulative amount of direct projects awarded EPIC follow-on funding through 2025.

**Table A-10: EPIC Follow-on Project Awards  
(Cumulative through December 31, 2025)**

| Agreement Number | Agreement Title                                                                                                                         | Recipient/ Contractor                                                    | Follow-on Project Funds Amount |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------|
| 300-15-007       | California Sustainable Energy Entrepreneurial Development                                                                               | (CalSEED) Initiative<br>California Clean Energy Fund dba CalCEF Ventures | \$30,000,000                   |
| EPC-15-030       | San Diego Regional Energy Innovation Cluster                                                                                            | Cleantech San Diego Association                                          | \$5,000,000                    |
| EPC-15-032       | Bay Area Regional Energy Innovation Cluster                                                                                             | Cleantech Activate Global, Inc                                           | \$4,980,000                    |
| EPC-15-038       | BlueTechValley Innovation Cluster                                                                                                       | California State University, Fresno Foundation                           | \$5,000,000                    |
| EPC-16-015       | Los Angeles Regional Energy Innovation Cluster                                                                                          | Los Angeles Cleantech Incubator                                          | \$4,999,247                    |
| EPC-16-059       | Advanced VGI Control to Maximize Battery Life and Use of Second-Life Batteries to Increase Grid Service and Renewable Power Penetration | Lawrence Berkeley National Laboratory                                    | \$1,000,000                    |
| EPC-18-002       | California Test Bed Initiative                                                                                                          | California Clean Energy Fund dba CalCEF Ventures                         | \$10,998,701                   |
| EPC-20-019       | Accelerated Deployment of Irrigation Pumping Demand Flexibility                                                                         | Polaris Energy Services Inc.                                             | \$2,884,912                    |
| EPC-20-034       | Building Resiliency from Within                                                                                                         | OhmConnect, Inc.                                                         | \$3,000,000                    |
| EPC-20-036       | Load Shifting During Critical Summer Hours via Programmable Irrigation                                                                  | AgMonitor Inc.                                                           | \$349,972                      |

| <b>Agreement Number</b> | <b>Agreement Title</b>                                                                                                           | <b>Recipient/ Contractor</b>                    | <b>Follow-on Project Funds Amount</b> |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------|
| EPC-22-003              | Accelerate Development of Smartville Second-Life Battery Repurposing Platform                                                    | Smartville, Inc.                                | \$2,000,000                           |
| EPC-23-010              | Manufacturability of Low-Cost InGaAs Thermophotovoltaic Devices                                                                  | Antora Energy, Inc.                             | \$2,999,695                           |
| EPC-23-024              | Cal-Adapt: Analytics Engine - Scaling up to Enhance Digital Platform, Accelerate Production of Data Products, & Expand User Base | Eagle Rock Analytics, Inc.                      | \$3,500,000                           |
| EPC-24-053              | Blue Lake Rancheria Nested Community Microgrids                                                                                  | Cal Poly Humboldt Sponsored Programs Foundation | \$5,000,000                           |
| <b>Total: 14</b>        |                                                                                                                                  |                                                 | <b>\$81,712,527</b>                   |

Source: California Energy Commission staff

Table A-11 summarizes the EPIC projects completed in 2025. It includes project information, funding amounts, and links to published final project reports.

**Table A-11: EPIC Projects Completed in 2025**

| <b>Agreement Number</b> | <b>Agreement Title</b>                                                      | <b>Recipient/ Contractor</b>              | <b>Project Funds Amount</b> | <b>Final Report Publication Number<sup>3</sup> and Link or Status</b>                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|-----------------------------------------------------------------------------|-------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPC-17-019              | Burney-Hat Creek Bioenergy                                                  | Fall River Resource Conservation District | \$5,000,000                 | Pending                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EPC-17-040              | Mass Deployment of Energy Efficiency Retrofits in Disadvantaged Communities | Rocky Mountain Institute                  | \$7,204,308                 | <a href="https://www.energy.ca.gov/publications/2025/mass-deployment-energy-efficiency-retrofits-multifamily-homes-california">CEC-500-2025-028</a> available at <a href="https://www.energy.ca.gov/publications/2025/mass-deployment-energy-efficiency-retrofits-multifamily-homes-california">https://www.energy.ca.gov/publications/2025/mass-deployment-energy-efficiency-retrofits-multifamily-homes-california</a> |
| EPC-17-055              | Redwood Coast Airport Microgrid                                             | Cal Poly Humboldt Sponsored               | \$5,000,000                 | <a href="https://www.energy.ca.gov/publications/2026/006">CEC-500-2026-006</a> available at <a href="https://www.energy.ca.gov/publications/2026/006">https://www.energy.ca.gov/publications/2026/006</a>                                                                                                                                                                                                                |

<sup>3</sup> [Published final reports](https://www.energy.ca.gov/publications/energy-research-and-development-reports) may be viewed and downloaded at <https://www.energy.ca.gov/publications/energy-research-and-development-reports>.

| <b>Agreement Number</b> | <b>Agreement Title</b>                                                                                     | <b>Recipient/ Contractor</b>                                              | <b>Project Funds Amount</b> | <b>Final Report Publication Number<sup>3</sup> and Link or Status</b>                                                                                                                                                                                                                                                 |
|-------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |                                                                                                            | Programs Foundation                                                       |                             | /publications/2026/redwood-coast-airport-microgrid                                                                                                                                                                                                                                                                    |
| EPC-18-005              | Building Energy Impact Analysis of Low Cost NanoEC™ Electrochromic Window Control Algorithm Optimization   | Heliotrope Technologies, Inc.                                             | \$3,667,104                 | Pending                                                                                                                                                                                                                                                                                                               |
| EPC-18-006              | Radiative Sky Cooling-Enabled Efficiency Improvements on Commercial Cooling Systems                        | SkyCool Systems Inc.                                                      | \$1,770,563                 | <a href="#">CEC-500-2025-002</a> available at <a href="https://www.energy.ca.gov/publications/2025/radiative-sky-cooling-enabled-efficiency-improvements-commercial-cooling-systems">https://www.energy.ca.gov/publications/2025/radiative-sky-cooling-enabled-efficiency-improvements-commercial-cooling-systems</a> |
| EPC-18-008              | Improving Energy Efficiency and Performance of Wastewater Recycling                                        | MicroBio Engineering, Inc.                                                | \$1,550,227                 | <a href="#">CEC-500-2026-007</a> available at <a href="https://www.energy.ca.gov/publications/2026/improving-energy-efficiency-and-performance-wastewater-recycling">https://www.energy.ca.gov/publications/2026/improving-energy-efficiency-and-performance-wastewater-recycling</a>                                 |
| EPC-19-016              | Affordable Near-and Medium-Term Solutions for Integration of Low GWP Heat Pumps in Residential Buildings   | The Regents of the University of California on behalf of the Davis campus | \$1,916,306                 | <a href="#">CEC-500-2025-026</a> available at <a href="https://www.energy.ca.gov/publications/2025/affordable-near-and-medium-term-solutions-integration-low-gwp-heat-pumps">https://www.energy.ca.gov/publications/2025/affordable-near-and-medium-term-solutions-integration-low-gwp-heat-pumps</a>                 |
| EPC-19-023              | Booster Ejector Enhancement of Compressor Refrigeration Facilities Utilizing Industrial Process Waste Heat | Institute of Gas Technology dba GTI Energy                                | \$1,621,556                 | Pending                                                                                                                                                                                                                                                                                                               |
| EPC-19-029              | Improved Silica Removal for Enhanced                                                                       | Hell's Kitchen Geothermal LLC                                             | \$2,999,599                 | <a href="#">CEC-500-2026-002</a> available at <a href="https://www.energy.ca.gov/publications/2026/improved-silica-">https://www.energy.ca.gov/publications/2026/improved-silica-</a>                                                                                                                                 |

| <b>Agreement Number</b> | <b>Agreement Title</b>                                                                | <b>Recipient/ Contractor</b>          | <b>Project Funds Amount</b> | <b>Final Report Publication Number<sup>3</sup> and Link or Status</b>                                                                                                                                                                                                                                                |
|-------------------------|---------------------------------------------------------------------------------------|---------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Geothermal Plant Performance                                                          |                                       |                             | removal-enhanced-geothermal-plant-performance                                                                                                                                                                                                                                                                        |
| EPC-19-032              | Low-GWP Mechanical Modules for Rapid Deployment Project (LG-MM)                       | Association for Energy Affordability  | \$1,499,926                 | <a href="#">CEC-500-2025-029</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/low-gwp-mechanical-modules-rapid-deployment-project">https://www.energy.ca.gov/publications/2025/low-gwp-mechanical-modules-rapid-deployment-project</a>                                                       |
| EPC-19-038              | Low-Cost and Easy-to-Integrate Second-Life Battery HUB                                | Smartville, Inc.                      | \$2,035,787                 | Pending                                                                                                                                                                                                                                                                                                              |
| EPC-19-040              | California Zinc-ion Energy Storage Development and Validation Project                 | Salient Energy Inc.                   | \$1,583,125                 | <a href="#">CEC-500-2025-039</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/california-zn-ion-energy-storage-development-and-validation-project">https://www.energy.ca.gov/publications/2025/california-zn-ion-energy-storage-development-and-validation-project</a>                       |
| EPC-19-041              | Demonstrating an Aqueous Air-Breathing Energy Storage System for Multi-Day Resiliency | Form Energy, Inc.                     | \$1,998,215                 | <a href="#">CEC-500-2025-045</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/demonstrating-aqueous-air-breathing-energy-storage-system-multi-day-resiliency">https://www.energy.ca.gov/publications/2025/demonstrating-aqueous-air-breathing-energy-storage-system-multi-day-resiliency</a> |
| EPC-19-042              | Zinc Batteries for California Electrical Customer Power Backup                        | Zelos Energy LTD                      | \$1,747,721                 | <a href="#">CEC-500-2025-038</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/zelos-zinc-batteries-california-electrical-customer-power-backup">https://www.energy.ca.gov/publications/2025/zelos-zinc-batteries-california-electrical-customer-power-backup</a>                             |
| EPC-20-001              | Energy-Water Desalination Hub                                                         | Lawrence Berkeley National Laboratory | \$3,000,000                 | <a href="#">CEC-500-2026-003</a><br>available at <a href="https://www.energy.ca.gov/publications/2026/energy-water-desalination-hub">https://www.energy.ca.gov/publications/2026/energy-water-desalination-hub</a>                                                                                                   |
| EPC-20-004              | Central Heat Pump Water Heater Load Flexibility                                       | Redwood Energy                        | \$2,043,755                 | Pending                                                                                                                                                                                                                                                                                                              |

| <b>Agreement Number</b> | <b>Agreement Title</b>                                                                                     | <b>Recipient/ Contractor</b>                                      | <b>Project Funds Amount</b> | <b>Final Report Publication Number<sup>3</sup> and Link or Status</b>                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPC-20-009              | Smart Plug Load Controls Integrated with Building Energy Management Systems                                | The Regents of the University of California, San Diego Foundation | \$1,028,125                 | <a href="#">CEC-500-2025-021</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/smart-plug-load-controls-integrated-building-energy-management-systems">https://www.energy.ca.gov/publications/2025/smart-plug-load-controls-integrated-building-energy-management-systems</a>                   |
| EPC-20-012              | Development and Demonstration of Distributed Biomass CHP Microgrid Systems                                 | All Power Labs, Inc.                                              | \$3,287,890                 | <a href="#">CEC-500-2025-022</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/development-and-demonstration-distributed-biomass-chp-microgrid-systems">https://www.energy.ca.gov/publications/2025/development-and-demonstration-distributed-biomass-chp-microgrid-systems</a>                 |
| EPC-20-014              | Rapid Innovation Development of Energy Generating Windows for Zero- and Negative-Carbon Emission Buildings | Next Energy Technologies                                          | \$3,000,000                 | <a href="#">CEC-500-2024-080</a><br>available at <a href="https://www.energy.ca.gov/publications/2024/rapid-innovation-development-energy-generating-windows-zero-and-negative-carbon">https://www.energy.ca.gov/publications/2024/rapid-innovation-development-energy-generating-windows-zero-and-negative-carbon</a> |
| EPC-20-017              | Increasing the Thermal Range and Efficiency of Affordable User-Installable Room Heat Pumps                 | Treau, Inc.                                                       | \$2,761,606                 | Pending                                                                                                                                                                                                                                                                                                                |
| EPC-20-019              | Accelerated Deployment of Irrigation Pumping Demand Flexibility                                            | Polaris Energy Services Inc.                                      | \$2,884,912                 | <a href="#">CEC-500-2025-030</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/accelerated-deployment-irrigation-pumping-demand-flexibility">https://www.energy.ca.gov/publications/2025/accelerated-deployment-irrigation-pumping-demand-flexibility</a>                                       |
| EPC-20-020              | Machine Learning Enhanced Acoustic Inspection to Improve Battery Manufacturing                             | Feasible, Inc.                                                    | \$1,000,000                 | Pending                                                                                                                                                                                                                                                                                                                |
| EPC-20-029              | Manufacturing Scale-up of Record-Breaking                                                                  | Antora Energy, Inc.                                               | \$2,999,695                 | <a href="#">CEC-500-2024-011</a><br>available at <a href="https://www.energy.ca.gov/publications/">https://www.energy.ca.gov/publications/</a>                                                                                                                                                                         |

| Agreement Number | Agreement Title                                                                                                                                      | Recipient/ Contractor                                       | Project Funds Amount | Final Report Publication Number <sup>3</sup> and Link or Status                                                                                                                                                                                                                                                       |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | Solid-State Heat Engine for Deep Decarbonization in California                                                                                       |                                                             |                      | 2024/manufacturing-scale-record-breaking-solid-state-heat-engine-deep-decarbonization                                                                                                                                                                                                                                 |
| EPC-20-032       | Productizing Transparent Solar Windows: Enabling Production of Transparent Renewable Energy Generating Windows                                       | Ubiquitous Energy, Inc.                                     | \$2,997,343          | Pending                                                                                                                                                                                                                                                                                                               |
| EPC-20-033       | Production Scale-Up of Conductive Silicon Carbide Wafer Technology for Electric Vehicle and Charging Infrastructure Power Electronics Cost Reduction | Halo Industries, Inc.                                       | \$3,000,000          | <a href="#">CEC-500-2024-053</a> available at <a href="https://www.energy.ca.gov/publications/2024/laser-based-silicon-carbide-wafer-manufacturing-next-generation-high-efficiency">https://www.energy.ca.gov/publications/2024/laser-based-silicon-carbide-wafer-manufacturing-next-generation-high-efficiency</a>   |
| EPC-20-035       | Low rate production pilot line for CO2 electroreduction Membrane Electrode Assembly fabrication                                                      | Twelve Benefits Corporation (Formerly Opus 12 Incorporated) | \$3,000,000          | <a href="#">CEC-500-2024-102</a> available at <a href="https://www.energy.ca.gov/publications/2024/low-rate-production-pilot-line-co2-electro-reduction-membrane-electrode-assembly">https://www.energy.ca.gov/publications/2024/low-rate-production-pilot-line-co2-electro-reduction-membrane-electrode-assembly</a> |
| EPC-20-037       | Stasis Energy Group Thermal Energy Storage System (TESS) for Packaged HVAC Systems                                                                   | Stasis Energy Group LLC                                     | \$1,634,740          | <a href="#">CEC-500-2025-015</a> available at <a href="https://www.energy.ca.gov/publications/2025/thermal-energy-storage-system-packaged-hvac-systems">https://www.energy.ca.gov/publications/2025/thermal-energy-storage-system-packaged-hvac-systems</a>                                                           |
| EPC-20-044       | Demonstration of Advanced Primary and Secondary Treatment Technologies for Energy and Performance                                                    | Caliskaner Water Technologies, Inc.                         | \$4,000,000          | Pending                                                                                                                                                                                                                                                                                                               |

| <b>Agreement Number</b> | <b>Agreement Title</b>                                                                                      | <b>Recipient/ Contractor</b>         | <b>Project Funds Amount</b> | <b>Final Report Publication Number<sup>3</sup> and Link or Status</b>                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Benefits to Wastewater Treatment                                                                            |                                      |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| EPC-20-047              | Leveraging Artificial Intelligence and Machine Learning to Increase Energy Efficiency in California Dairies | Zira Group Inc (DBA Lightapp)        | \$4,227,648                 | Pending                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EPC-20-048              | Demonstration of Advanced Primary and Secondary Wastewater Treatment Technology                             | Gate 5 Energy Partners, Inc          | \$1,603,779                 | Pending                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EPC-21-001              | Enabling California's Resilient Tribal Communities with Mobile Renewable Power                              | GRID Alternatives                    | \$1,000,000                 | <a href="https://www.energy.ca.gov/publications/2025/enabling-californias-resilient-tribal-communities-mobile-renewable-power">CEC-500-2025-010</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/enabling-californias-resilient-tribal-communities-mobile-renewable-power">https://www.energy.ca.gov/publications/2025/enabling-californias-resilient-tribal-communities-mobile-renewable-power</a>       |
| EPC-21-008              | Development of Efficient and Scalable Direct Recycling Technology for Lithium-Ion Batteries                 | The Regents of California, San Diego | \$1,684,308                 | <a href="https://www.energy.ca.gov/publications/2025/development-efficient-and-scalable-direct-recycling-technology-lithium-ion">CEC-500-2025-044</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/development-efficient-and-scalable-direct-recycling-technology-lithium-ion">https://www.energy.ca.gov/publications/2025/development-efficient-and-scalable-direct-recycling-technology-lithium-ion</a> |
| EPC-21-030              | Harmonized Resilience at Roosevelt Village: A Zero-Emissions Model for Supportive Housing                   | Association for Energy Affordability | \$999,315                   | <a href="https://www.energy.ca.gov/publications/2025/harmonized-resilience-roosevelt-village-model-equitable-replicable-grid">CEC-500-2025-040</a><br>available at <a href="https://www.energy.ca.gov/publications/2025/harmonized-resilience-roosevelt-village-model-equitable-replicable-grid">https://www.energy.ca.gov/publications/2025/harmonized-resilience-roosevelt-village-model-equitable-replicable-grid</a>          |

| <b>Agreement Number</b> | <b>Agreement Title</b>                                                                                           | <b>Recipient/ Contractor</b>                 | <b>Project Funds Amount</b> | <b>Final Report Publication Number<sup>3</sup> and Link or Status</b>                                                                                                                                                                                                                                       |
|-------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPC-21-034              | A Safe, High-Performance, Rechargeable, Recyclable Zinc-Based Battery for Stationary Energy Storage Applications | Enzinc Inc.                                  | \$1,807,600                 | <a href="#">CEC-500-2024-092</a> available at <a href="https://www.energy.ca.gov/publications/2024/safe-high-performance-rechargeable-recyclable-zinc-based-battery-stationary">https://www.energy.ca.gov/publications/2024/safe-high-performance-rechargeable-recyclable-zinc-based-battery-stationary</a> |
| EPC-21-035              | In-Line Quality Control of Lithium-Ion Battery Electrodes through Terahertz Scanning                             | Lookin, Inc.                                 | \$999,947                   | Pending                                                                                                                                                                                                                                                                                                     |
| EPC-21-036              | Electrification of Industrial Processes with Sulfur Electric Thermal Storage                                     | Element 16 Technologies, Inc                 | \$1,000,000                 | Pending                                                                                                                                                                                                                                                                                                     |
| EPC-23-004              | Assessing the Role of Hydrogen in California's Decarbonizing Electric System                                     | RAND Corporation                             | \$798,348                   | Pending                                                                                                                                                                                                                                                                                                     |
| EPC-23-009              | Techno-economic Assessment of Hydrogen as a Decarbonization Measure for California's Electric System             | Energy and Environmental Economics Inc. (E3) | \$798,805                   | Pending                                                                                                                                                                                                                                                                                                     |
| <b>38</b>               |                                                                                                                  |                                              | <b>\$91,152,253</b>         |                                                                                                                                                                                                                                                                                                             |

Source: California Energy Commission staff

Tables A-12 through A-13 summarize the shift of funds for each open EPIC investment plan (EPIC 4 interim and EPIC 4 final, respectively) through December 31, 2025.

**Table A-12: Fund Shifts for the 2021-2025 EPIC 4 Interim Investment Plan (Year 1) (Cumulative through December 31, 2025)**

| <b>Category</b>                                         | <b>Approved Total</b> | <b>Funding Shift from a Program Area</b> | <b>Funding Shift to a Program Area</b> | <b>Current Total</b> |
|---------------------------------------------------------|-----------------------|------------------------------------------|----------------------------------------|----------------------|
| Program Area: Applied Research and Development          | \$41,200,000          | -\$1,200,000                             | \$797,153                              | \$40,797,153         |
| Program Area: Technology Demonstration and Deployment   | \$75,000,000          | -\$797,153                               | \$1,200,000                            | \$75,402,847         |
| Program Area: Market Facilitation                       | \$16,334,000          | \$0                                      | \$0                                    | \$16,334,000         |
| <b>Program Area Subtotal</b>                            | <b>\$132,534,000</b>  | <b>-\$1,997,153</b>                      | <b>\$1,997,153</b>                     | <b>\$132,534,000</b> |
| CEC Administration (10%)                                | \$14,726,000          | \$0                                      | \$0                                    | \$14,726,000         |
| CPUC Policy and Program Oversight Administration (0.5%) | \$740,000             | \$0                                      | \$0                                    | \$740,000            |
| <b>EPIC 4 Interim Investment Plan Total</b>             | <b>\$148,000,000</b>  | <b>-\$1,997,153</b>                      | <b>\$1,997,153</b>                     | <b>\$148,000,000</b> |

Source: California Energy Commission staff

**Table A-13: Fund Shifts for the 2021–2025 EPIC 4 Investment Plan (Years 2–5) (Cumulative through December 31, 2025)**

| <b>Initiative</b>             | <b>Approved Total</b> | <b>Funding Shift from an Initiative</b> | <b>Funding Shift to an Initiative</b> | <b>Current Total</b> |
|-------------------------------|-----------------------|-----------------------------------------|---------------------------------------|----------------------|
| Non-Variable Renewable Energy | \$23,000,000          | -\$3,450,000                            | \$0                                   | \$19,550,000         |
| Variable Renewable Energy     | \$29,000,000          | -\$674,363                              | \$1,809,421                           | \$30,135,058         |
| Clean, Dispatchable Resources | \$55,000,000          | -\$5,086,169                            | \$0                                   | \$49,913,831         |
| Grid Modernization            | \$27,240,000          | \$0                                     | \$6,000,000                           | \$33,240,000         |

| <b>Initiative</b>                                            | <b>Approved Total</b> | <b>Funding Shift from an Initiative</b> | <b>Funding Shift to an Initiative</b> | <b>Current Total</b> |
|--------------------------------------------------------------|-----------------------|-----------------------------------------|---------------------------------------|----------------------|
| Distributed Energy Resource Integration and Load Flexibility | \$86,000,000          | \$0                                     | \$116,869                             | \$86,116,869         |
| Transportation Electrification                               | \$59,000,000          | -\$649,559                              | \$674,363                             | \$59,024,804         |
| Industrial Decarbonization                                   | \$46,000,000          | -\$507,500                              | \$0                                   | \$45,492,500         |
| Building Decarbonization                                     | \$60,000,000          | -\$9,000,000                            | \$0                                   | \$51,000,000         |
| Entrepreneurial Support                                      | \$63,800,000          | -\$1,817,476                            | \$2,200,000                           | \$64,182,524         |
| Scaling Clean Energy Technology                              | \$18,200,000          | \$0                                     | \$9,800,000                           | \$28,000,000         |
| Climate Resiliency                                           | \$18,000,000          | -\$1,010,297                            | \$0                                   | \$16,989,703         |
| Environmental Sustainability                                 | \$15,000,000          | -\$400,000                              | \$1,994,711                           | \$16,594,711         |
| <b>Program Initiative Subtotal</b>                           | <b>\$500,240,000</b>  | <b>-\$22,595,364</b>                    | <b>\$22,595,364</b>                   | <b>\$500,240,000</b> |
| CEC Administration (15%)                                     | \$88,800,000          | \$0                                     | \$0                                   | \$88,800,000         |
| CPUC Policy and Program Oversight Administration (0.5%)      | \$2,960,000           | \$0                                     | \$0                                   | \$2,960,000          |
| <b>Investment Plan Total</b>                                 | <b>\$592,000,000</b>  | <b>-\$22,595,364</b>                    | <b>\$22,595,364</b>                   | <b>\$592,000,000</b> |

Source: California Energy Commission staff

## APPENDIX B:

### CEC EPIC Project Summary Tables by Strategic Objective and Initiative in 2025

Tables B1-B5 summarize the number of 2025 projects and total funding for each strategic objective and initiative, as well as their status. These projects span EPIC investment cycles from 2012 through to the current 2021-2025 EPIC Investment Plan, with each table representing projects from separate investment plans. There are several instances where a single cross-cutting project is funded from multiple investment plans or multiple strategic objectives (SO) and strategic initiatives (SI). Table B-6 provides the number of agreements and total project funding for EPIC projects by agreement status in 2025. Appendix D provides a comprehensive list of the 2025 projects, including the associated investment plan(s), SI, and SO for each project.

**Table B-1: Summary of 2012-2014 EPIC Investment Plan Projects  
by Strategic Objective and Initiative in 2025**

| SO #         | SI #                                          | Strategic Initiative                                                                                                                                                             | Total Number of Projects with Strategic Initiative | Total EPIC Project Funding | Total Number of Initiative Projects by Status <sup>1</sup> |                    |                        |
|--------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|------------------------------------------------------------|--------------------|------------------------|
|              |                                               |                                                                                                                                                                                  |                                                    |                            | Active (Open)                                              | Completed or Ended | Pending Final Approval |
| S10          | S10.1                                         | S10.1 Provide Small Grants to Early-Stage Energy Companies and Entrepreneurs Through Regional Innovation Clusters.                                                               | 1                                                  | \$9,788,043.00             | 1                                                          |                    |                        |
|              | S10.2                                         | S10.2 Support Demonstration Testing and Verification Centers to Accelerate the Deployment of Pre- Commercial Clean Energy Technologies                                           | 3                                                  | \$8,000,000.00             | 3                                                          |                    |                        |
| S13          | S13.1                                         | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies | 1                                                  | \$3,225,773.00             | 1                                                          |                    |                        |
| <b>Total</b> | <b>2012-2014 EPIC 1 Investment Plan Total</b> |                                                                                                                                                                                  | <b>5</b>                                           | <b>\$21,013,816.00</b>     | <b>5</b>                                                   |                    |                        |

Source: CEC Staff

**Table B-2: Summary of 2015-2017 EPIC Investment Plan Projects  
by Strategic Objective and Initiative in 2025**

| SO # | SI #                   | Strategic Initiative                                                                                                                                                                                                                                                                         | Total Number of Projects with Strategic Initiative | Total EPIC Project Funding | Total Number of Initiative Projects by Status <sup>1</sup> |                    |                        |
|------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|------------------------------------------------------------|--------------------|------------------------|
|      |                        |                                                                                                                                                                                                                                                                                              |                                                    |                            | Active (Open)                                              | Completed or Ended | Pending Final Approval |
| S1   | S1.1                   | S1.1 Advance Efficient Solutions for Lower Energy Buildings.                                                                                                                                                                                                                                 | 1                                                  | \$1,770,563.00             |                                                            | 1                  |                        |
|      | S1.1;<br>S1.2;<br>S1.3 | S1.1 Advance Efficient Solutions for Lower Energy Buildings;<br>S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings;<br>S1.3 Apply Advanced Social Science Research Methods to Improve Adoption of Next Generation Energy Efficiency Solutions. | 1                                                  | \$2,401,436.00             |                                                            | 1                  |                        |
|      | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                                                                                                                               | 1                                                  | \$1,550,227.00             |                                                            | 1                  |                        |
| S3   | S3.2                   | S3.2 Develop Integrated and Hybrid Photovoltaic Technologies and Strategies to Reduce Costs and Advance Zero-Net Energy Buildings.                                                                                                                                                           | 1                                                  | \$2,110,657.00             | 1                                                          |                    |                        |
| S7   | S7.1                   | S7.1 Develop Open-Source Electricity System Modeling Tools to Visualize California's Modern Distribution Systems.                                                                                                                                                                            | 1                                                  | \$4,021,416.00             | 1                                                          |                    |                        |
| S9   | S9.2                   | S9.2 Advance Vehicle-Grid Integration Technologies and Methods for Broader Use and Benefit for Residential, Private, and Public Users.                                                                                                                                                       | 1                                                  | \$1,500,000.00             | 1                                                          |                    |                        |
| S10  | S10.1                  | S10.1 Provide Seed-Stage Funding for Disruptive Energy Technologies.                                                                                                                                                                                                                         | 1                                                  | \$20,211,957.00            | 1                                                          |                    |                        |

| SO #         | SI #                                          | Strategic Initiative                                                                                                                                                                                                                                                                                                   | Total Number of Projects with Strategic Initiative | Total EPIC Project Funding | Total Number of Initiative Projects by Status <sup>1</sup> |                    |                        |
|--------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|------------------------------------------------------------|--------------------|------------------------|
|              |                                               |                                                                                                                                                                                                                                                                                                                        |                                                    |                            | Active (Open)                                              | Completed or Ended | Pending Final Approval |
| S12          | S12.1                                         | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                                                                                                                                                                | 2                                                  | \$8,469,976.00             |                                                            | 2                  |                        |
|              | S12.2                                         | S12.2 Demonstrate Large-Scale Deployment of Integrated DemandSide Management and Demand Response Programs in Buildings.                                                                                                                                                                                                | 2                                                  | \$7,478,481.00             | 2                                                          |                    |                        |
| S13          | S13.1                                         | S13.1 Demonstrate and Evaluate Environmentally and Economically Sustainable Biomass-to-Energy Systems for Woody and Other Dry Biomass.                                                                                                                                                                                 | 3                                                  | \$11,739,647.00            | 2                                                          | 1                  |                        |
|              | S13.2                                         | S13.2 Accelerate the Demonstration and Early Deployment of Emerging BioDigester and Integrated Clean Generation to Efficiently Use Agricultural, Municipal, and Other Organic Waste.                                                                                                                                   | 1                                                  | \$2,411,007.00             | 1                                                          |                    |                        |
| S14          | S14.1                                         | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                                                  | 9                                                  | \$44,978,120.00            | 8                                                          | 1                  |                        |
| S15          | S15.1                                         | S15.1 Demonstrate Advanced Energy Storage Interconnection Technologies and Systems in Transmission, Distribution, and CustomerSide Applications to Transition to the Commercial Market.                                                                                                                                | 2                                                  | \$4,830,834.00             | 2                                                          |                    |                        |
| S18          | S18.1                                         | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.                                                                                                                                                                                                            | 3                                                  | \$6,980,000.00             | 3                                                          |                    |                        |
|              | S18.1;<br>S18.2;<br>S18.3                     | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship;<br>S18.2 Integrate Market Insight into the Selection and Management of EPIC Funded Technologies and Strategies;<br>S18.3 Provide Support for Entrepreneurs to Test, Verify, and Certify Their Innovations. | 1                                                  | \$4,999,247.00             | 1                                                          |                    |                        |
|              | S18.3                                         | S18.3 Provide Support for Entrepreneurs to Test, Verify, and Certify Their Innovations.                                                                                                                                                                                                                                | 1                                                  | \$10,999,701.00            | 1                                                          |                    |                        |
| S19          | S19.1                                         | S19.1 Develop Tools and Strategies to Encourage LargeScale Purchasers to Adopt Emerging Energy Technologies.                                                                                                                                                                                                           | 1                                                  | \$10,993,646.00            | 1                                                          |                    |                        |
| <b>Total</b> | <b>2015-2017 EPIC 2 Investment Plan Total</b> |                                                                                                                                                                                                                                                                                                                        | <b>32</b>                                          | <b>\$147,446,915.00</b>    | <b>25</b>                                                  | <b>7</b>           |                        |

Source: CEC Staff

**Table B-3: Summary of 2018-2021 EPIC Investment Plan Projects by Strategic Objective and Initiative in 2025**

| SO # | SI #   | Strategic Initiative                                                                                               | Total Number of Projects with Strategic Initiative | Total EPIC Project Funding | Total Number of Initiative Projects by Status <sup>1</sup> |                    |                        |
|------|--------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|------------------------------------------------------------|--------------------|------------------------|
|      |        |                                                                                                                    |                                                    |                            | Active (Open)                                              | Completed or Ended | Pending Final Approval |
| S1.1 | S1.1.2 | 1.1.2 Test Novel Luminaire Systems Architecture And Form Factors That Leverage The Unique Properties Of LEDS       | 2                                                  | \$503,026.00               | 2                                                          |                    |                        |
| S1.2 | S1.2.1 | 1.2.1 Deploy Next Generation Window and Building Envelope Systems in Existing Residential and Commercial Buildings | 1                                                  | \$1,850,000.00             | 1                                                          |                    |                        |
|      | S1.2.3 | 1.2.3 Multifamily Factory Built Homes Competition for Highly Efficient Building Envelopes                          | 2                                                  | \$3,999,982.00             | 2                                                          |                    |                        |
| S1.3 | S1.3.1 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                      | 5                                                  | \$10,214,907.00            | 3                                                          | 2                  |                        |

| SO # | SI #                         | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Total Number of Projects with Strategic Initiative | Total EPIC Project Funding | Total Number of Initiative Projects by Status <sup>1</sup> |                    |                        |
|------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|------------------------------------------------------------|--------------------|------------------------|
|      |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |                            | Active (Open)                                              | Completed or Ended | Pending Final Approval |
| S1.5 | S1.5.3                       | 1.5.3 Large-Scale Demonstrations of Low Energy Consuming Plug-In Devices with the High Potential for Market Adoption and Penetration                                                                                                                                                                                                                                                                                                                                                                     | 3                                                  | \$8,000,000.00             | 2                                                          | 1                  |                        |
| S1.7 | S1.7.1                       | 1.7.1 Optimize Refrigeration Compressor Efficiency and Test and Evaluate Alternative Refrigerants                                                                                                                                                                                                                                                                                                                                                                                                        | 1                                                  | \$1,621,556.00             |                                                            | 1                  |                        |
|      | S1.7.2                       | 1.7.2 Develop and Deploy Sensors and Software to Optimize Compressed Air and Other Related Systems to Minimize Energy Losses and Maximize Efficiency                                                                                                                                                                                                                                                                                                                                                     | 1                                                  | \$1,529,705.00             | 1                                                          |                    |                        |
|      | S1.7.2;<br>S1.7.4            | 1.7.2 Develop and Deploy Sensors and Software to Optimize Compressed Air and Other Related Systems to Minimize Energy Losses and Maximize Efficiency;<br>1.7.4 Large Scale Deployment of Pre-Commercial Technologies with Demonstrated Potential                                                                                                                                                                                                                                                         | 2                                                  | \$5,866,516.00             | 1                                                          | 1                  |                        |
| S2.1 | S2.1.1                       | 2.1.1 Develop Community Renovation for High Efficiency and Grid Resources                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                                                  | \$9,687,500.00             | 2                                                          |                    |                        |
| S2.3 | S2.3.1                       | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                                 | 29                                                 | \$83,516,890.00            | 25                                                         | 4                  |                        |
| S2.4 | S2.4.1                       | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                                                  | \$17,612,282.00            | 4                                                          | 1                  |                        |
| S3.1 | S3.1.1;<br>S3.1.3            | 3.1.1 Pilot Test for the Next-Generation Demand Response Landscape; 3.1.3 Assess iDERs and Load Management Systems                                                                                                                                                                                                                                                                                                                                                                                       | 1                                                  | \$7,000,000.00             | 1                                                          |                    |                        |
|      | S3.1.2                       | 3.1.2 Assess Performance of Load Control Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                                                  | \$7,581,191.00             | 2                                                          | 1                  |                        |
| S3.2 | S3.2.1                       | 3.2.1 Grid-Friendly PEV Mobility                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                                                  | \$9,511,562.00             | 3                                                          |                    |                        |
|      | S3.2.2                       | 3.2.2 Battery Second Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                                  | \$2,686,115.00             | 1                                                          | 1                  |                        |
| S3.3 | S3.3.3                       | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load                                                                                                                                                                                                                                                                                                                                                                            | 5                                                  | \$7,235,535.00             | 4                                                          | 1                  |                        |
| S4.3 | S4.3.2                       | 4.3.2 Geothermal Energy Advancement for a Reliable Renewable Electricity System                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                                                  | \$2,999,599.00             |                                                            | 1                  |                        |
| S4.4 | S4.4.2                       | 4.4.2 Demonstrating Modular Bioenergy Systems and Feedstock Densifying and Handling Strategies to Improve Conversion of Accessibility- Challenged Forest Biomass Resources                                                                                                                                                                                                                                                                                                                               | 1                                                  | \$4,999,830.00             | 1                                                          |                    |                        |
| S5.1 | S5.1.1                       | 5.1.1 Continue CalSEED Initiative to Provide Early Stage Support for Clean Energy Technology Entrepreneurs                                                                                                                                                                                                                                                                                                                                                                                               | 1                                                  | \$12,000,000.00            | 1                                                          |                    |                        |
|      | S5.1.2                       | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                                                  | \$22,906,402.00            | 5                                                          |                    |                        |
| S5.2 | S5.2.1                       | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                                                                                                                                                                     | 24                                                 | \$49,851,938.00            | 16                                                         | 8                  |                        |
|      | S5.2.2                       | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7                                                  | \$17,841,331.00            | 3                                                          | 4                  |                        |
| S6.1 | S6.1.1;<br>S6.1.2;<br>S6.1.3 | 6.1.1 Develop and Test Novel Energy Efficient Treatment Methods for Conventional and Non-Conventional Sources of Water Supply;<br>6.1.2 Develop and Demonstrate Tools and Strategies to Help Water and Wastewater Agencies Lower Energy Use, Increase Efficiency and Reduce the Carbon Intensity of its Operations<br>6.1.3 Develop and Demonstrate Advanced Energy Efficiency Improvements to Allow for On-Site Wastewater Treatment and Reuse for Industrial Facilities and Water Intensive Industries | 1                                                  | \$3,000,000.00             |                                                            | 1                  |                        |
|      | S6.1.2                       | 6.1.2 Develop and Demonstrate Tools and Strategies to Help Water and Wastewater Agencies Lower Energy Use, Increase Efficiency and Reduce the Carbon Intensity of its Operations                                                                                                                                                                                                                                                                                                                         | 2                                                  | \$5,603,779.00             |                                                            | 2                  |                        |

| SO #         | SI #                                          | Strategic Initiative                                                                                                                                                                                                                                                                                                                                          | Total Number of Projects with Strategic Initiative | Total EPIC Project Funding | Total Number of Initiative Projects by Status <sup>1</sup> |                    |                        |
|--------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|------------------------------------------------------------|--------------------|------------------------|
|              |                                               |                                                                                                                                                                                                                                                                                                                                                               |                                                    |                            | Active (Open)                                              | Completed or Ended | Pending Final Approval |
| S6.2         | S6.2.1                                        | 6.2.1 Demonstrate Advanced Water and/or Energy Efficiency Technologies to Reduce Carbon Intensity of Agriculture                                                                                                                                                                                                                                              | 1                                                  | \$2,884,912.00             |                                                            | 1                  |                        |
| S7.1         | S7.1.1                                        | 7.1.1 Integrated Pathways for Energy Futures: Tools and Science-Based Research for Holistic Energy Decision Making                                                                                                                                                                                                                                            | 2                                                  | \$2,700,000.00             | 2                                                          |                    |                        |
| S7.2         | S7.2.1                                        | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options                                                                                                                                                                                                                                                                     | 2                                                  | \$4,500,000.00             | 2                                                          |                    |                        |
|              | S7.2.1;<br>S7.2.2;<br>S7.2.3                  | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options;<br>7.2.2 Clarify Interactions between Renewable Electricity Systems and Climate Change to Ensure an Effective, Resilient Transition to Low-Carbon Energy in California;<br>7.2.3 Integrate Climate Readiness into Electricity System Operations, Tools, and Models | 2                                                  | \$1,878,584.00             | 2                                                          |                    |                        |
|              | S7.2.1;<br>S7.2.3                             | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options;<br>7.2.3 Integrate Climate Readiness into Electricity System Operations, Tools, and Models                                                                                                                                                                         | 1                                                  | \$3,500,000.00             | 1                                                          |                    |                        |
| S7.3         | S7.3.2                                        | 7.3.2 Enhance Human Health and Safety Associated with the Electricity Sector                                                                                                                                                                                                                                                                                  | 1                                                  | \$4,000,000.00             | 1                                                          |                    |                        |
| <b>Total</b> | <b>2018-2020 EPIC 3 Investment Plan Total</b> |                                                                                                                                                                                                                                                                                                                                                               | <b>118</b>                                         | <b>\$317,083,142.00</b>    | <b>88</b>                                                  | <b>30</b>          |                        |

Source: CEC Staff

**Table B-4: Summary of 2021-2025 EPIC Interim Investment Plan (Year 1) Projects by Strategic Objective and Initiative in 2025**

| SO #         | SI #                                                          | Strategic Initiative                                                                                                       | Total Number of Projects with Strategic Initiative | Total EPIC Project Funding | Total Number of Initiative Projects by Status <sup>1</sup> |                    |                        |
|--------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|------------------------------------------------------------|--------------------|------------------------|
|              |                                                               |                                                                                                                            |                                                    |                            | Active (Open)                                              | Completed or Ended | Pending Final Approval |
| S1           | S1.1                                                          | 1.1 Decarb: Advanced Prefabricated Zero-Carbon Homes                                                                       | 3                                                  | \$10,914,268.00            | 3                                                          |                    |                        |
|              | S1.2                                                          | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage                                | 3                                                  | \$7,497,460.00             | 3                                                          |                    |                        |
|              | S1.2                                                          | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage                                | 1                                                  | \$1,800,000.00             | 1                                                          |                    |                        |
|              | S1.5                                                          | 1.5 Decarb: The Role of Green Hydrogen in a Decarbonized California—A Roadmap and Strategic Plan                           | 2                                                  | \$1,597,153.00             |                                                            | 2                  |                        |
|              | S1.7                                                          | 1.7 Decarb: Vehicle-to-Building for Resilient Back-up Power                                                                | 4                                                  | \$13,199,898.00            | 4                                                          |                    |                        |
|              | S1.8                                                          | 1.8 Decarb: Offshore Wind Energy Technologies                                                                              | 7                                                  | \$16,374,363.00            | 7                                                          |                    |                        |
| S2           | S2.4                                                          | 2.4 R&R: Optimizing Long-Duration Energy Storage to Improve Grid Resiliency and Reliability in Under-resourced Communities | 4                                                  | \$29,202,847.00            | 4                                                          |                    |                        |
|              | S2.6                                                          | 2.6 R&R: Valuation of Investments in Electricity Sector Resilience                                                         | 1                                                  | \$1,950,000.00             | 1                                                          |                    |                        |
|              | S2.7                                                          | 2.7 R&R: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2                                                  | \$4,875,637.00             | 2                                                          |                    |                        |
| S3           | S3.1                                                          | 3.1 Entrepreneurial Ecosystem                                                                                              | 10                                                 | \$32,334,000.00            | 10                                                         |                    |                        |
| <b>Total</b> | <b>2021-2025 EPIC 4 Interim Investment Plan (Year 1)Total</b> |                                                                                                                            | <b>37</b>                                          | <b>\$119,745,626.00</b>    | <b>35</b>                                                  | <b>2</b>           |                        |

Source: CEC Staff

**Table B-5: Summary of 2021-2025 EPIC Investment Plan (Years 2-5) Projects  
by Strategic Objective and Initiative in 2025**

| SO #         | SI #                                                       | Strategic Initiative                                             | Total Number of Projects with Strategic Initiative | Total EPIC Project Funding | Total Number of Initiative Projects by Status <sup>1</sup> |                    |                        |
|--------------|------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------|----------------------------|------------------------------------------------------------|--------------------|------------------------|
|              |                                                            |                                                                  |                                                    |                            | Active (Open)                                              | Completed or Ended | Pending Final Approval |
| S1           | S1.1                                                       | 1.1 Non-Variable Renewable Energy                                | 4                                                  | \$13,824,193.00            | 4                                                          |                    |                        |
|              | S1.2                                                       | 1.2 Variable Renewable Energy                                    | 7                                                  | \$18,639,118.00            | 5                                                          |                    | 2                      |
| S2           | S2.1                                                       | 2.1 Clean, Dispatchable Resources                                | 8                                                  | \$36,897,610.00            | 7                                                          |                    | 1                      |
| S3           | S3.1                                                       | 3.1 Distributed Energy Resource Integration and Load Flexibility | 14                                                 | \$71,829,365.00            | 14                                                         |                    |                        |
|              | S3.2                                                       | 3.2 Transportation Electrification                               | 23                                                 | \$44,518,650.00            | 22                                                         |                    | 1                      |
|              | S5.1                                                       | 5.1 Entrepreneurial Support                                      | 1                                                  | \$8,000,000.00             | 1                                                          |                    |                        |
| S4           | S4.1                                                       | 4.1 Building Decarbonization                                     | 12                                                 | \$29,042,069.00            | 12                                                         |                    |                        |
|              | S4.2                                                       | 4.2 Industrial Decarbonization                                   | 8                                                  | \$45,492,500.00            | 7                                                          |                    | 1                      |
| S5           | S5.1                                                       | 5.1 Entrepreneurial Support                                      | 19                                                 | \$61,982,524.00            | 18                                                         |                    | 1                      |
|              | S5.2                                                       | 5.2 Scaling Clean Energy Technology                              | 1                                                  | \$28,000,000.00            | 1                                                          |                    |                        |
| S6           | S6.1                                                       | 6.1 Climate Resiliency                                           | 6                                                  | \$11,389,703.00            | 4                                                          |                    | 2                      |
|              | S6.2                                                       | 6.2 Environmental Sustainability                                 | 8                                                  | \$6,881,847.00             | 8                                                          |                    |                        |
| <b>Total</b> | <b>2021-2025 EPIC 4 Investment Plan (Years 2- 5) Total</b> |                                                                  | <b>111</b>                                         | <b>\$376,497,579.00</b>    | <b>103</b>                                                 |                    | <b>8</b>               |
| <b>Total</b> | <b>EPIC Investment Plans Projects in 2025</b>              |                                                                  | <b>303</b>                                         | <b>\$981,787,078.00</b>    | <b>256</b>                                                 | <b>39</b>          | <b>8</b>               |

Source: CEC Staff

Table B-6 summarizes the number of 2025 projects by agreement status. There are several instances where a single cross-cutting project is funded from multiple investment plans or multiple strategic objectives and strategic initiatives. The agreement number is only counted once.

**Table B-6: Summary of EPIC Projects  
by Agreement Status in 2025**

| Agreement Status <sup>1</sup> | Number of Agreements | Total EPIC Project Funding |
|-------------------------------|----------------------|----------------------------|
| Active (Open)                 | 222                  | \$859,732,576.00           |
| Pending Final Approval        | 8                    | \$30,902,249.00            |
| Completed or Ended            | 38                   | \$91,152,253.00            |
| <b>Total</b>                  | <b>268</b>           | <b>\$981,787,078.00</b>    |

Source: CEC Staff

<sup>1</sup> Total Number of Initiative Projects by Status and Agreement Status:

Active (Open): Executed agreement end date is open as of 2025.

Ended: Executed agreement end date expired as of 2025.

Completed: Executed agreement end date expired and closing activities completed as of 2025.

Pending Final Approval: Agreement was approved at a CEC business meeting but had yet to receive final approval (was not executed) as of 2025.

APPENDIX C:

EPIC Projects Awarded through 2025 with Fiscal and Diversity Details

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                       | Strategic Objective # | Strategic Objective                                                                                                                                 | Strategic Initiative # | Strategic Initiative                                                                                                              | Investment Plan Program Period                             | Program Area                     | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism                       | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| N/A            | 300-15-004               | 1                                                         | The Regents of the University of California, Merced                              | Optimizing Hydropower Operations While Sustaining Stream Temperatures and Ecosystem Functions                       | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts | S5.3                   | S5.3 Develop Analytical Tools and Technologies to Reduce Energy Stresses on Aquatic Resources and Improve Water-Energy Management | 2012-2014 EPIC Program 1st Investment Plan                 | Applied Research and Development | \$650,000               | \$650,000                  | \$0           | \$114,054                                 | Contract-Interagency agreement (Exempt) | Non-competitive <sup>4</sup>                   | 12/21/2015                                       | Yes; Calif Based Entity                                              | 3/9/2016              | 4/1/2016             | 3/31/2021          | Completed                   |
| N/A            | 300-15-005               | 1                                                         | The Regents of the University of California on behalf of the Irvine Campus       | Improving Hydrologic and Energy Demand Forecasts for Hydropower Operations with Climate Change                      | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System   | 2012-2014 EPIC Program 1st Investment Plan                 | Applied Research and Development | \$720,000               | \$720,000                  | \$0           | \$144,000                                 | Contract-Interagency agreement (Exempt) | Non-competitive <sup>4</sup>                   | 12/21/2015                                       | Yes; Calif Based Entity                                              | 3/9/2016              | 4/1/2016             | 3/31/2021          | Completed                   |
| N/A            | 300-15-006               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | Optimizing Use of Non-traditional Waters, Drought Proofing the Electricity System and Improving Snowpack Prediction | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                     | S1.6                   | S1.6 Advance Strategies to Reduce California Buildings' Impact on the Water-Energy Nexus.                                         | 2015-2017 EPIC Program 2nd Investment Plan                 | Applied Research and Development | \$1,130,000             | \$1,130,000                | \$0           | \$198,000                                 | Contract-Interagency agreement (Exempt) | Non-competitive <sup>4</sup>                   | 12/21/2015                                       | Yes; Calif Based Entity                                              | 3/9/2016              | 4/1/2016             | 3/31/2021          | Completed                   |
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures                                 | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative                                      | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies         | S10.1                  | S10.1 Provide Small Grants to Early-Stage Energy Companies and Entrepreneurs Through Regional Innovation Clusters.                | 2012-2014 EPIC Program 1st Investment Plan                 | Applied Research and Development | \$9,788,043             | \$60,000,000               | \$3,396,223   | \$1,563,250                               | Contract                                | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures                                 | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative                                      | S10                   | S10: Advance the Early Development of Breakthrough Energy Concepts.                                                                                 | S10.1                  | S10.1 Provide Seed-Stage Funding for Disruptive Energy Technologies.                                                              | 2015-2017 EPIC Program 2nd Investment Plan                 | Applied Research and Development | \$20,211,957            |                            |               |                                           | Contract                                | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures                                 | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative                                      | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                                                | S5.1.1                 | 5.1.1 Continue CalSEED Initiative to Provide Early Stage Support for Clean Energy Technology Entrepreneurs                        | 2018-2020 EPIC Program Project 3rd Investment Plan         | Applied Research and Development | \$12,000,000            |                            |               |                                           | Contract                                | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures                                 | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative                                      | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                       | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development | \$2,000,000             |                            |               |                                           | Contract                                | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures                                 | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative                                      | S3                    | 3 Entrepreneurship                                                                                                                                  | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                                                     | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$16,000,000            |                            |               |                                           | Contract                                | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| RFP-15-315     | 300-15-008               | 1                                                         | Itron, Inc., dba IBS                                                             | Research Roadmap for Getting to Zero Net Energy Buildings                                                           | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies         | S10.3                  | S10.3 Conduct Scenario Assessments and Gaps Analyses That Will Be Used to Develop or Update Research Roadmaps                     | 2012-2014 EPIC Program 1st Investment Plan                 | Applied Research and Development | \$999,884               | \$999,884                  | \$0           | \$171,332                                 | Contract                                | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 6/1/2016             | 5/30/2018          | Completed                   |
| RFP-15-304     | 300-15-009               | 1                                                         | Guidehouse Inc.                                                                  | Connecting Emerging Energy Technologies and Strategies to Market Needs and Opportunities                            | S18                   | S18: Guide EPIC Investments through Effective Market Assessment, Program Evaluation, and Stakeholder Outreach                                       | S18.3                  | S18.3 Conduct Technology and Environmental Assessments to Track Progress in the Clean Energy Industry and Identify Future Needs   | 2012-2014 EPIC Program 1st Investment Plan                 | Market Facilitation              | \$6,825,763             | \$6,937,889                | \$0           | \$2,714,986                               | Contract                                | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 6/13/2016            | 5/31/2022          | Ended                       |
| RFP-15-304     | 300-15-009               | 1                                                         | Guidehouse Inc.                                                                  | Connecting Emerging Energy Technologies and Strategies to Market Needs and Opportunities                            | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                                   | S18.2                  | S18.2 Integrate Market Insight into the Selection and Management of EPIC Funded Technologies and Strategies.                      | 2015-2017 EPIC Program 2nd Investment Plan                 | Market Facilitation              | \$112,126               |                            |               |                                           | Contract                                | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 6/13/2016            | 5/31/2022          | Ended                       |
| RFP-15-316     | 300-15-010               | 1                                                         | Energetics Incorporated                                                          | Research Roadmap for Advancing Technologies in California's Industrial, Agricultural, and Water Sectors             | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies         | S10.3                  | S10.3 Conduct Scenario Assessments and Gaps Analyses That Will Be Used to Develop or Update Research Roadmaps                     | 2012-2014 EPIC Program 1st Investment Plan                 | Applied Research and Development | \$647,728               | \$647,728                  | \$29,610      | \$122,646                                 | Contract                                | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/20/2016            | 5/31/2018          | Completed                   |
| RFP-15-319     | 300-15-011               | 1                                                         | ADM Associates, LLC                                                              | California Commercial End-Use Survey                                                                                | S18                   | S18: Guide EPIC Investments through Effective Market Assessment, Program Evaluation, and Stakeholder Outreach                                       | S18.4                  | S18.4 Conduct the IOU Portion of the California End-use Energy Consumption and Saturation Characterization Survey                 | 2012-2014 EPIC Program 1st Investment Plan                 | Market Facilitation              | \$7,990,063             | \$7,990,063                | \$100,893     | \$3,426,324                               | Contract                                | Competitive <sup>3</sup>                       | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 5/17/2016             | 6/15/2016            | 3/31/2022          | Ended                       |
| RFP-15-322     | 300-15-013               | 1                                                         | ADM Associates, LLC                                                              | California Investor-Owned Utility Electricity Load Shapes                                                           | S21                   | S21: Inform Investments and Decision-Making Through Market and Technical Analysis.                                                                  | S21.1                  | S21.1 Conduct Analyses on Different Technology Options and Strategies for the Electricity System.                                 | 2015-2017 EPIC Program 2nd Investment Plan                 | Market Facilitation              | \$1,147,406             | \$1,147,406                | \$58,330      | \$430,673                                 | Contract                                | Competitive <sup>3</sup>                       | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 6/14/2016             | 7/29/2016            | 12/31/2018         | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                                  | Project Title                                                                                                                            | Strategic Objective # | Strategic Objective                                                                                                                                                       | Strategic Initiative # | Strategic Initiative                                                                                                                                                         | Investment Plan Program Period             | Program Area                     | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| RFP-17-306     | 300-17-003               | 1                                                         | Guidehouse Inc.                                                                        | Distributed Energy Resources (DER) Roadmap                                                                                               | S21                   | S21: Inform Investments and Decision-Making Through Market and Technical Analysis.                                                                                        | S21.1                  | S21.1 Conduct Analyses on Different Technology Options and Strategies for the Electricity System.                                                                            | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation              | \$499,065               | \$499,065                  | \$0           | \$242,382                                 | Contract          | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/9/2018              | 6/29/2018            | 9/30/2020          | Completed                   |
| RFP-17-307     | 300-17-004               | 1                                                         | Industrial Economics, Incorporated                                                     | Measuring Innovation Progress to Guide Future Investment: Evaluation of EPIC Benefits Methodology                                        | S21                   | S21: Inform Investments and Decision-Making Through Market and Technical Analysis.                                                                                        | S21.3                  | S21.3 Measure and Verify the Ratepayer Benefits of EPIC-Funded Innovations.                                                                                                  | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation              | \$3,000,000             | \$3,000,000                | \$0           | \$1,716,826                               | Contract          | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 5/9/2018              | 6/29/2018            | 2/16/2021          | Ended                       |
| RFP-17-303     | 300-17-005               | 1                                                         | Energetics Incorporated                                                                | Research Roadmap for Cost and Technology Breakthroughs for Renewable Energy Generation                                                   | S21                   | S21: Inform Investments and Decision-Making Through Market and Technical Analysis.                                                                                        | S21.1                  | S21.1 Conduct Analyses on Different Technology Options and Strategies for the Electricity System.                                                                            | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation              | \$338,059               | \$338,059                  | \$0           | \$86,365                                  | Contract          | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/9/2018              | 6/4/2018             | 5/29/2020          | Completed                   |
| RFP-18-802     | 300-18-001               | 1                                                         | Gladstein, Neandross & Associates, LLC                                                 | Technology Transfer for EPIC Research Projects                                                                                           | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                                                         | S18.1                  | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.                                                                  | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation              | \$3,788,265             | \$3,788,265                | \$1,310,568   | \$881,903                                 | Contract          | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity                              | 4/10/2019             | 5/10/2019            | 3/31/2023          | Ended                       |
| PON-13-303     | EPC-14-001               | 1                                                         | Itron, Inc., dba IBS                                                                   | Improving Solar & Load Forecasts: Reducing the Operational Uncertainty Behind the Duck Chart                                             | S4                    | S4: Develop Emerging Utility Scale Renewable Energy Generation Technologies and Strategies to Improve Power Plant Performance, Reduce Costs, and Expand the Resource Base | S4.2                   | S4.2 Develop Innovative Tools and Strategies to Increase Utility-Scale Renewable Energy Power Plant Performance and Reliability.                                             | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$998,926               | \$998,926                  | \$453,462     | \$268,243                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/10/2014            | 1/15/2015            | 6/29/2018          | Completed                   |
| PON-13-303     | EPC-14-002               | 1                                                         | Geysers Power Company, LLC                                                             | Investigating Flexible Generation Capabilities at the Geysers                                                                            | S4                    | S4: Develop Emerging Utility Scale Renewable Energy Generation Technologies and Strategies to Improve Power Plant Performance, Reduce Costs, and Expand the Resource Base | S4.3                   | S4.3 Develop Advanced Technologies and Strategies to Improve the Cost-Effectiveness of Geothermal Energy Production.                                                         | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$3,000,000             | \$3,000,000                | \$4,362,373   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/10/2014            | 1/5/2015             | 3/31/2019          | Completed                   |
| PON-13-303     | EPC-14-003               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus       | Low- Cost Thermal Energy Storage for Dispatchable CSP                                                                                    | S4                    | S4: Develop Emerging Utility Scale Renewable Energy Generation Technologies and Strategies to Improve Power Plant Performance, Reduce Costs, and Expand the Resource Base | S4.1                   | S4.1 Develop Advanced Utility-Scale Thermal Energy Storage Technologies to Improve Performance of Concentrating Solar Power.                                                 | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$1,497,024             | \$1,497,024                | \$300,000     | \$198,528                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/10/2014            | 1/15/2015            | 3/30/2019          | Completed                   |
| PON-13-303     | EPC-14-004               | 1                                                         | Halotechnics                                                                           | Systems Integration of Containerized Molten Salt Thermal Energy Storage in Novel Cascade Layout                                          | S4                    | S4: Develop Emerging Utility Scale Renewable Energy Generation Technologies and Strategies to Improve Power Plant Performance, Reduce Costs, and Expand the Resource Base | S4.1                   | S4.1 Develop Advanced Utility-Scale Thermal Energy Storage Technologies to Improve Performance of Concentrating Solar Power.                                                 | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$377,870               | \$377,870                  | \$19,038      | \$283,080                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/10/2014            | 1/15/2015            | 1/14/2019          | Terminated                  |
| PON-13-303     | EPC-14-005               | 1                                                         | The Regents of the University of California, San Diego Foundation                      | Solar Forecast Based Optimization of Distributed Energy Resources in the LA Basin and UC San Diego Microgrid                             | S4                    | S4: Develop Emerging Utility Scale Renewable Energy Generation Technologies and Strategies to Improve Power Plant Performance, Reduce Costs, and Expand the Resource Base | S4.2                   | S4.2 Develop Innovative Tools and Strategies to Increase Utility-Scale Renewable Energy Power Plant Performance and Reliability.                                             | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$999,984               | \$999,984                  | \$999,984     | \$157,282                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/10/2014            | 1/15/2015            | 3/15/2018          | Completed                   |
| PON-13-303     | EPC-14-007               | 1                                                         | The Regents of the University of California on behalf of the Davis campus              | Improving Short-Term Wind Power Forecasting through Measurements and Modeling of the Tehachapi Wind Resource Area                        | S4                    | S4: Develop Emerging Utility Scale Renewable Energy Generation Technologies and Strategies to Improve Power Plant Performance, Reduce Costs, and Expand the Resource Base | S4.2                   | S4.2 Develop Innovative Tools and Strategies to Increase Utility-Scale Renewable Energy Power Plant Performance and Reliability.                                             | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$1,000,000             | \$1,000,000                | \$90,325      | \$247,542                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/10/2014            | 1/15/2015            | 12/31/2017         | Completed                   |
| PON-13-303     | EPC-14-008               | 1                                                         | The Regents of the University of California, San Diego Foundation                      | High-Fidelity Solar Power Forecasting Systems for the 392 MW Ivanpah Solar Plant (CSP) and the 250 MW California Valley Solar Ranch (PV) | S4                    | S4: Develop Emerging Utility Scale Renewable Energy Generation Technologies and Strategies to Improve Power Plant Performance, Reduce Costs, and Expand the Resource Base | S4.2                   | S4.2 Develop Innovative Tools and Strategies to Increase Utility-Scale Renewable Energy Power Plant Performance and Reliability.                                             | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$999,898               | \$999,898                  | \$764,019     | \$168,624                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/10/2014            | 1/15/2015            | 1/15/2019          | Completed                   |
| PON-13-301     | EPC-14-009               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus           | Optimizing Radiant Systems for Energy Efficiency and Comfort                                                                             | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                                                                 | S1.2                   | S1.2 Develop, Test Demonstrate, and Integrate Equipment, Systems, and Components that Improve the Advanced heating, Ventilation, Air Conditioning, and Refrigeration Systems | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$2,939,964             | \$2,939,964                | \$299,194     | \$450,466                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/25/2015             | 6/30/2015            | 3/31/2019          | Ended                       |
| PON-13-301     | EPC-14-010               | 1                                                         | Lawrence Berkeley National Laboratory                                                  | Solar-Reflective "Cool" Walls: Benefits, Technologies, and Implementation                                                                | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                                                                 | S1.3                   | S1.3 Develop, test, and demonstrate Advanced Building Envelope Systems, Materials, and Components                                                                            | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$2,500,000             | \$2,500,000                | \$610,800     | \$908,941                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/25/2015             | 3/30/2015            | 6/30/2018          | Ended                       |
| PON-13-301     | EPC-14-011               | 1                                                         | Regents of the University of California, Davis - California Lighting Technology Center | From the Laboratory to the California Marketplace: A New Generation of LED Lighting Solutions                                            | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                                                                 | S1.1                   | S1.1 Develop, Test, and Demonstrate Next-Generation Lighting Systems and Components                                                                                          | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$2,995,187             | \$2,995,187                | \$5,000       | \$557,072                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/25/2015             | 4/1/2015             | 3/19/2019          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                       | Strategic Objective # | Strategic Objective                                                                                                   | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                 | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| PON-13-301     | EPC-14-012               | 1                                                         | Lawrence Berkeley National Laboratory                                        | Comparing Attic Approaches for Zero Net Energy Homes                                                | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector             | S1.2                   | S1.2 Develop, Test Demonstrate, and Integrate Equipment, Systems, and Components that Improve the Advanced heating, Ventilation, Air Conditioning, and Refrigeration Systems                                                                                                                         | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$0           | \$563,439                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/25/2015             | 3/30/2015            | 12/31/2018         | Ended                       |
| PON-13-301     | EPC-14-013               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | Very Low-cost MEMS-based Ultrasonic Anemometer for Use Indoors and in HVAC Ducts                    | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector             | S1.2                   | S1.2 Develop, Test Demonstrate, and Integrate Equipment, Systems, and Components that Improve the Advanced heating, Ventilation, Air Conditioning, and Refrigeration Systems                                                                                                                         | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$2,488,964             | \$2,488,964                | \$249,000     | \$214,202                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/25/2015             | 4/15/2015            | 3/30/2019          | Completed                   |
| PON-13-301     | EPC-14-015               | 1                                                         | Lawrence Berkeley National Laboratory                                        | Direct Current as an Integrating and Enabling Platform                                              | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector             | S1.4; S1.8             | S1.4 Investigate and Improve Understanding of Building occupant Behavior and Related Consumer Choice Motivation to Increase and Sustain Energy Efficiency Improvements in Buildings; S1.8 Develop Cost-Effective Technologies and Approaches to Achieve California's Zero Net Energy Buildings Goals | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$100,000     | \$495,365                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/25/2015             | 4/15/2015            | 6/30/2018          | Ended                       |
| PON-13-301     | EPC-14-016               | 1                                                         | BIRA Energy                                                                  | Cost- and Energy-Efficient Attic Designs for California Homes                                       | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector             | S1.3                   | S1.3 Develop, test, and demonstrate Advanced Building Envelope Systems, Materials, and Components                                                                                                                                                                                                    | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$265,000     | \$228,148                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/25/2015             | 6/29/2015            | 6/30/2018          | Ended                       |
| PON-13-301     | EPC-14-017               | 1                                                         | Lawrence Berkeley National Laboratory                                        | Developing Flexible, Networked Lighting Control Systems That Reliably Save Energy                   | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector             | S1.1                   | S1.1 Develop, Test, and Demonstrate Next-Generation Lighting Systems and Components                                                                                                                                                                                                                  | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,875,000             | \$1,875,000                | \$0           | \$216,162                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/25/2015             | 4/1/2015             | 3/31/2019          | Ended                       |
| PON-13-302     | EPC-14-019               | 1                                                         | Electric Power Research Institute, Inc.                                      | Validated and Transparent Energy Storage Valuation and Optimization Tool                            | S8                    | S8: Integrate Grid Level Energy Storage Technologies and Determine Best Applications That Provide Locational Benefits | S8.1                   | S8.1 Optimize Grid-Level Energy Storage Deployment With Respect to Location, Size, and Type                                                                                                                                                                                                          | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$901,944     | \$482,416                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/11/2015             | 4/11/2015            | 12/30/2016         | Completed                   |
| PON-13-301     | EPC-14-021               | 1                                                         | Electric Power Research Institute, Inc.                                      | Development and Testing of the Next Generation Residential Space Conditioning System for California | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector             | S1.2                   | S1.2 Develop, Test Demonstrate, and Integrate Equipment, Systems, and Components that Improve the Advanced heating, Ventilation, Air Conditioning, and Refrigeration Systems                                                                                                                         | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$2,993,005             | \$2,993,005                | \$322,281     | \$1,072,105                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 6/30/2015            | 4/30/2019          | Completed                   |
| PON-14-305     | EPC-14-022               | 1                                                         | ABEC #3 LLC, dba Lakeview Farms Dairy Biogas                                 | The Lakeview Farms Dairy Biogas - To - Electricity Project                                          | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                 | S13.1                  | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies                                                                                                                     | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$4,500,000   | \$29,498                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/11/2015             | 5/15/2015            | 3/29/2019          | Completed                   |
| PON-13-302     | EPC-14-023               | 1                                                         | Eos Energy Storage, LLC                                                      | Utility Demonstration of Znyth Battery Technology to Characterize Performance and Grid Benefits     | S8                    | S8: Integrate Grid Level Energy Storage Technologies and Determine Best Applications That Provide Locational Benefits | S8.2                   | S8.2 Develop Innovative Utility-Scale and Generation Energy Storage Technologies and Applications to Mitigate Intermittent Renewables and Meet Peak Demand.                                                                                                                                          | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$2,156,704             | \$2,156,704                | \$1,167,607   | \$691,504                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 4/8/2015              | 5/1/2015             | 8/31/2020          | Ended                       |
| PON-14-303     | EPC-14-024               | 1                                                         | West Biofuels, LLC                                                           | Modular Biomass Power Systems to Facilitate Forest Fuel Reduction Treatment                         | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable             | S3.2                   | S3.2 Develop Innovative Technologies, Techniques, and Deployment Strategies to Accelerate the Commercialization of Sustainable Bioenergy Systems                                                                                                                                                     | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$2,000,000             | \$2,000,000                | \$730,148     | \$330,466                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/11/2015             | 4/13/2015            | 3/31/2018          | Completed                   |
| PON-14-303     | EPC-14-025               | 1                                                         | Sunfolding Inc.                                                              | Mass-manufactured, Air Driven Trackers for Low Cost, High Performance Photovoltaic Systems          | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable             | S3.3                   | S3.3 Develop Advanced Distributed Photovoltaic Systems to Reduce the Cost of Energy, Increase Interoperability, and Advance Plug-and-Play Capabilities                                                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$1,171,565   | \$157,497                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/11/2015             | 5/15/2015            | 3/31/2019          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                                                      | Strategic Objective # | Strategic Objective                                                                                                   | Strategic Initiative # | Strategic Initiative                                                                                                                                                             | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| PON-14-306     | EPC-14-026               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus     | Examining the Heterogeneity of Energy Efficiency Adoption and Savings Across Socio-Economic and Ethnic Groups Using a Large Scale Quasi-Experiment | S18                   | S18: Guide EPIC Investments through Effective Market Assessment, Program Evaluation, and Stakeholder Outreach         | S18.5                  | S18.5 Conduct Market Analysis of Innovative Strategies to Facilitate Clean Energy Storage, Demand Response, Electric Vehicles, and Renewable Energy                              | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$360,632               | \$360,632                  | \$150,784     | \$65,406                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/8/2015             | 6/30/2017          | Completed                   |
| PON-13-302     | EPC-14-027               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | High Temperature Hybrid Compressed Air Energy Storage (HTH-CAES)                                                                                   | S8                    | S8: Integrate Grid Level Energy Storage Technologies and Determine Best Applications That Provide Locational Benefits | S8.2                   | S8.2 Develop Innovative Utility-Scale and Generation Energy Storage Technologies and Applications to Mitigate Intermittent Renewables and Meet Peak Demand.                      | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,621,628             | \$1,621,628                | \$0           | \$206,222                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/8/2015             | 11/30/2017         | Ended                       |
| PON-14-303     | EPC-14-028               | 1                                                         | InnoSeptra, LLC                                                                  | Low Cost Biogas Power Generation with Increased Efficiency and Lower Emissions                                                                     | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable             | S3.2                   | S3.2 Develop Innovative Technologies, Techniques, and Deployment Strategies to Accelerate the Commercialization of Sustainable Bioenergy Systems                                 | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,318,940             | \$1,318,940                | \$959,150     | \$105,570                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/11/2015             | 5/1/2015             | 3/29/2019          | Completed                   |
| PON-14-305     | EPC-14-029               | 1                                                         | ABEC #2 LLC, dba West Star North Dairy Biogas                                    | The West Star North Dairy Biogas-to -Electricity Project                                                                                           | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                 | S13.1                  | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$5,000,000   | \$32,107                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/11/2015             | 5/15/2015            | 3/29/2019          | Completed                   |
| PON-14-303     | EPC-14-030               | 1                                                         | Lawrence Berkeley National Laboratory                                            | Paths to Sustainable Distributed Generation Through 2050: Matching Local Waste Biomass Resources with Grid, Industrial, and Community Levels       | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable             | S3.2                   | S3.2 Develop Innovative Technologies, Techniques, and Deployment Strategies to Accelerate the Commercialization of Sustainable Bioenergy Systems                                 | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$282,000     | \$670,276                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/11/2015             | 4/15/2015            | 3/31/2019          | Completed                   |
| PON-14-305     | EPC-14-031               | 1                                                         | The Regents of the University of California on behalf of the Irvine Campus       | Pollution Control and Power Generation for Low Quality Renewable Fuel Streams                                                                      | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                 | S13.1                  | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,499,386             | \$1,499,386                | \$438,345     | \$145,560                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 6/1/2015             | 3/31/2019          | Completed                   |
| PON-14-306     | EPC-14-032               | 1                                                         | Inova Energy Group, LLC                                                          | Capturing Cultural Diversity in California Residential Energy Efficiency Potential: An Energy Ethnography of Hispanic Households                   | S18                   | S18: Guide EPIC Investments through Effective Market Assessment, Program Evaluation, and Stakeholder Outreach         | S18.5                  | S18.5 Conduct Market Analysis of Innovative Strategies to Facilitate Clean Energy Storage, Demand Response, Electric Vehicles, and Renewable Energy                              | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$224,593               | \$224,593                  | \$0           | \$10,681                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/8/2015             | 5/8/2018           | Completed                   |
| PON-14-305     | EPC-14-033               | 1                                                         | The Watershed Research and Training Center                                       | North Fork Community Power Forest Bioenergy Facility Demonstration                                                                                 | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                 | S13.1                  | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$3,225,773             | \$4,965,420                | \$1,361,360   | \$87,680                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/15/2015            | 3/31/2026          | Active (Open)               |
| PON-14-305     | EPC-14-033               | 1                                                         | The Watershed Research and Training Center                                       | North Fork Community Power Forest Bioenergy Facility Demonstration                                                                                 | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.        | S13.1                  | S13.1 Demonstrate and Evaluate Environmentally and Economically Sustainable Biomass-to-Energy Systems for Woody and Other Dry Biomass.                                           | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$1,739,647             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/15/2015            | 3/31/2026          | Active (Open)               |
| PON-14-303     | EPC-14-034               | 1                                                         | Interra Energy, Inc.                                                             | Interra Reciprocating Reactor for Low-Cost & Carbon Negative Bioenergy                                                                             | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable             | S3.2                   | S3.2 Develop Innovative Technologies, Techniques, and Deployment Strategies to Accelerate the Commercialization of Sustainable Bioenergy Systems                                 | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,353,332             | \$1,353,332                | \$4,627,400   | \$264,400                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/15/2015            | 3/31/2019          | Terminated                  |
| PON-14-303     | EPC-14-035               | 1                                                         | Lawrence Berkeley National Laboratory                                            | Demonstration of integrated photovoltaic systems and smart inverter functionality utilizing advanced distribution sensors                          | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable             | S3.3                   | S3.3 Develop Advanced Distributed Photovoltaic Systems to Reduce the Cost of Energy, Increase Interoperability, and Advance Plug-and-Play Capabilities                           | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$25,000      | \$375,000                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/15/2015            | 3/29/2019          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                      | Project Title                                                                                                                                                              | Strategic Objective # | Strategic Objective                                                                                           | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                     | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| PON-14-303     | EPC-14-036               | 1                                                         | SunSpec Alliance                           | Smart Inverter Interoperability Standards and Open Testing Framework to Support High-Penetration Distributed Photovoltaics and Storage                                     | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable     | S3.3                   | S3.3 Develop Advanced Distributed Photovoltaic Systems to Reduce the Cost of Energy, Increase Interoperability, and Advance Plug-and-Play Capabilities                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$2,000,000             | \$2,000,000                | \$2,066,875   | \$162,005                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/15/2015            | 3/29/2019          | Completed                   |
| PON-14-306     | EPC-14-037               | 1                                                         | Center for Sustainable Energy              | Home Energy Efficiency Retrofits in California: An Analysis of Sociocultural Factors Influencing Customer Adoption                                                         | S18                   | S18: Guide EPIC Investments through Effective Market Assessment, Program Evaluation, and Stakeholder Outreach | S18.5                  | S18.5 Conduct Market Analysis of Innovative Strategies to Facilitate Clean Energy Storage, Demand Response, Electric Vehicles, and Renewable Energy                                                                                                                                                      | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$599,924               | \$599,924                  | \$214,000     | \$166,993                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/8/2015             | 3/31/2018          | Completed                   |
| PON-14-306     | EPC-14-038               | 1                                                         | Indicia Consulting                         | Fieldwork to Document Technology Adoption and Behavior Change Across Diverse Geographies and Populations to Inform Energy Efficiency Program Design                        | S18                   | S18: Guide EPIC Investments through Effective Market Assessment, Program Evaluation, and Stakeholder Outreach | S18.5                  | S18.5 Conduct Market Analysis of Innovative Strategies to Facilitate Clean Energy Storage, Demand Response, Electric Vehicles, and Renewable Energy                                                                                                                                                      | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$574,545               | \$574,545                  | \$52,500      | \$40,208                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/8/2015             | 1/31/2019          | Completed                   |
| PON-14-306     | EPC-14-039               | 1                                                         | TRC Engineers, Inc.                        | Cultural Factors in the Energy Use Patterns of Multifamily Tenants                                                                                                         | S18                   | S18: Guide EPIC Investments through Effective Market Assessment, Program Evaluation, and Stakeholder Outreach | S18.5                  | S18.5 Conduct Market Analysis of Innovative Strategies to Facilitate Clean Energy Storage, Demand Response, Electric Vehicles, and Renewable Energy                                                                                                                                                      | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$379,019               | \$379,019                  | \$100,000     | \$107,714                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/8/2015             | 12/22/2017         | Completed                   |
| PON-14-303     | EPC-14-040               | 1                                                         | Glint Photonics, Inc.                      | Self-Tracking Concentrator Photovoltaics for Distributed Generation                                                                                                        | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable     | S3.3                   | S3.3 Develop Advanced Distributed Photovoltaic Systems to Reduce the Cost of Energy, Increase Interoperability, and Advance Plug-and-Play Capabilities                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$999,940               | \$999,940                  | \$2,500,000   | \$282,545                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 5/15/2015            | 3/31/2019          | Completed                   |
| PON-14-305     | EPC-14-041               | 1                                                         | Biogas & Electric, LLC                     | Installation of a Lean Burn Biogas Engine with Emissions Control to Comply with Rule 1110.2 at a Wastewater Treatment Plant in South Coast Air Quality Management District | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies         | S13.1                  | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies                                                                                                                         | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$11,858                | \$11,858                   | \$450,000     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 6/1/2015             | 5/31/2018          | Terminated                  |
| PON-14-305     | EPC-14-044               | 1                                                         | Lawrence Berkeley National Laboratory      | Enabling Anaerobic Digestion Deployment for Municipal Solid Waste-to-Energy                                                                                                | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies         | S13.1                  | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies                                                                                                                         | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$4,300,000             | \$4,300,000                | \$1,500,000   | \$1,497,504                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/15/2015            | 3/30/2019          | Completed                   |
| PON-14-303     | EPC-14-045               | 1                                                         | Taylor Energy                              | Advanced Recycling to 1-MW Municipal Solid Waste of Electricity Generation                                                                                                 | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable     | S3.2                   | S3.2 Develop Innovative Technologies, Techniques, and Deployment Strategies to Accelerate the Commercialization of Sustainable Bioenergy Systems                                                                                                                                                         | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,499,481             | \$1,499,481                | \$46,616      | \$168,742                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Woman Own                                   | 4/8/2015              | 5/15/2015            | 3/29/2019          | Completed                   |
| PON-14-305     | EPC-14-046               | 1                                                         | Kennedy/Jenks Consultants                  | Lowering Food-Waste Co-digestion Costs through an Innovative Combination of a Pre-Sorting Technique and a Strategy for Cake Solids Reduction                               | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies         | S13.1                  | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies                                                                                                                         | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,496,902             | \$1,496,902                | \$2,630,000   | \$323,906                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/15/2015            | 3/29/2019          | Completed                   |
| PON-14-303     | EPC-14-047               | 1                                                         | Southern California Gas Company (SoCalGas) | Dairy Waste-to-Bioenergy via the Integration of Concentrating Solar Power and a High Temperature Conversion Process                                                        | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable     | S3.2; S3.3             | S3.2 Develop Innovative Technologies, Techniques, and Deployment Strategies to Accelerate the Commercialization of Sustainable Bioenergy Systems; S3.3 Develop Advanced Distributed Photovoltaic Systems to Reduce the Cost of Energy, Increase Interoperability, and Advance Plug-and-Play Capabilities | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,494,736             | \$1,494,736                | \$600,000     | \$96,773                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 4/15/2015            | 3/31/2019          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                                          | Strategic Objective # | Strategic Objective                                                                                                                                                                              | Strategic Initiative # | Strategic Initiative                                                                                                                                                             | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| PON-14-301     | EPC-14-050               | 1                                                         | Gridscape Solutions, Inc.                                                        | City of Fremont Fire Stations Microgrid Project                                                                                        | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.2                  | S14.2 Demonstrate Renewable Energy-Based Microgrids Capable Of Sharing Resources Across the Larger Power Grid                                                                    | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,817,925             | \$1,817,925                | \$657,260     | \$73,475                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/8/2015             | 3/29/2019          | Ended                       |
| PON-14-303     | EPC-14-051               | 1                                                         | All Power Labs, Inc.                                                             | Cleaner Air, Cleaner Energy: Converting Forest Fire Management Waste to On Demand Renewable Energy                                     | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable                                                                                        | S3.2                   | S3.2 Develop Innovative Technologies, Techniques, and Deployment Strategies to Accelerate the Commercialization of Sustainable Bioenergy Systems                                 | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,990,071             | \$1,890,125                | \$686,038     | \$311,727                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 4/8/2015              | 5/15/2015            | 3/31/2019          | Completed                   |
| PON-14-303     | EPC-14-051               | 1                                                         | All Power Labs, Inc.                                                             | Cleaner Air, Cleaner Energy: Converting Forest Fire Management Waste to On Demand Renewable Energy                                     | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable                                                                                        | S3.2                   | S3.2 Develop Innovative Technologies, Techniques, and Deployment Strategies to Accelerate the Commercialization of Sustainable Bioenergy Systems                                 | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | -\$99,946               |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 4/8/2015              | 5/15/2015            | 3/31/2019          | Completed                   |
| PON-14-305     | EPC-14-052               | 1                                                         | Organic Energy Solutions, LLC                                                    | Community Scale Digester with Advanced Interconnection to the Electrical Grid                                                          | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                                                                                            | S13.1                  | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$7,775,939   | \$252,977                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 6/1/2015             | 3/31/2020          | Ended                       |
| PON-14-301     | EPC-14-053               | 1                                                         | Robert Bosch LLC                                                                 | A Renewable Based Direct Current Building Scale Microgrid                                                                              | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.2                  | S14.2 Demonstrate Renewable Energy-Based Microgrids Capable Of Sharing Resources Across the Larger Power Grid                                                                    | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$2,817,566             | \$2,817,566                | \$1,797,544   | \$276,825                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 6/30/2015            | 3/29/2019          | Ended                       |
| PON-14-301     | EPC-14-054               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                                  | Demonstrating a renewable based microgrid for a critical facility at the Blue Lake Rancheria                                           | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.2                  | S14.2 Demonstrate Renewable Energy-Based Microgrids Capable Of Sharing Resources Across the Larger Power Grid                                                                    | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$1,318,422   | \$832,908                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 7/6/2015             | 3/30/2018          | Completed                   |
| PON-14-301     | EPC-14-055               | 1                                                         | Chabot-Las Positas Community College District                                    | Las Positas College Microgrid                                                                                                          | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.2                  | S14.2 Demonstrate Renewable Energy-Based Microgrids Capable Of Sharing Resources Across the Larger Power Grid                                                                    | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,522,591             | \$1,522,591                | \$450,000     | \$260,719                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/8/2015             | 3/29/2019          | Completed                   |
| PON-14-301     | EPC-14-056               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | Demonstrating Plug-in Electric Vehicles Smart Charging and Storage Supporting the Grid                                                 | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.3                  | S14.3 Demonstrate Advanced Vehicle-to-Grid Energy Storage Technologies and Second-Use Vehicle Battery Applications                                                               | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,989,432             | \$1,989,432                | \$500,000     | \$358,770                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 6/30/2015            | 3/30/2018          | Completed                   |
| PON-14-301     | EPC-14-057               | 1                                                         | Lawrence Berkeley National Laboratory                                            | Smart Charging of Plug-in Vehicles with Driver Engagement for Demand Management and Participation in Electricity Markets               | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.3                  | S14.3 Demonstrate Advanced Vehicle-to-Grid Energy Storage Technologies and Second-Use Vehicle Battery Applications                                                               | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,993,355             | \$1,993,355                | \$536,761     | \$812,829                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 6/4/2015             | 3/30/2018          | Completed                   |
| PON-14-301     | EPC-14-059               | 1                                                         | Trane U.S., Inc.                                                                 | Laguna Wastewater Treatment Plant Microgrid                                                                                            | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.2                  | S14.2 Demonstrate Renewable Energy-Based Microgrids Capable Of Sharing Resources Across the Larger Power Grid                                                                    | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$4,999,804             | \$4,999,804                | \$2,290,000   | \$187,080                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/8/2015             | 3/30/2019          | Completed                   |
| PON-14-301     | EPC-14-060               | 1                                                         | San Diego Gas & Electric Company                                                 | Demonstrate a utility-owned renewable based community microgrid at Borrego Springs California                                          | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.2                  | S14.2 Demonstrate Renewable Energy-Based Microgrids Capable Of Sharing Resources Across the Larger Power Grid                                                                    | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$4,724,802             | \$4,724,802                | \$1,739,560   | \$923,165                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2015              | 5/1/2015             | 7/31/2018          | Completed                   |
| PON-14-309     | EPC-14-061               | 1                                                         | U.S. Geological Survey                                                           | Learning from Real-World Experience to Understand Renewable Energy Impacts to Wildlife                                                 | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                              | S5.2                   | S5.2 Research on Sensitive Species and Habitats to Inform Renewable Energy Planning and Deployment                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$1,617,177   | \$262,924                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 6/30/2015            | 3/29/2019          | Completed                   |
| PON-14-304     | EPC-14-062               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus    | Energy Efficiency in California's Water Sector Using Customized Energy Management and Supervisory Control and Data Acquisition Systems | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                                        | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                           | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$3,017,034             | \$3,017,034                | \$1,722,732   | \$452,544                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 7/1/2015             | 3/29/2019          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                         | Project Title                                                                                                              | Strategic Objective # | Strategic Objective                                                                                                                                                       | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                          | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| PON-14-304     | EPC-14-063               | 1                                                         | Porifera, Inc.                                                                | Advance Wastewater Treatment Using Forward Osmosis to Produce High Quality Water                                           | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                 | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                                                                                                                                                                                                                                                        | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$3,230,420             | \$3,230,420                | \$646,493     | \$964,131                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/30/2015            | 3/29/2019          | Ended                       |
| PON-14-309     | EPC-14-064               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus | Aerosol Impacts on the Hydrology and Hydropower Generation in California                                                   | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                       | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                                                                                                                                                                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$399,818               | \$399,818                  | \$306,237     | \$92,951                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 5/13/2015            | 6/30/2018          | Completed                   |
| PON-14-304     | EPC-14-065               | 1                                                         | Porifera, Inc.                                                                | Demonstration of Forward Osmosis to Produce Juice Concentrate, Purify and Reuse Wastewater and Reduce Energy Use           | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                 | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                                                                                                                                                                                                                                                        | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$2,499,289             | \$2,499,289                | \$628,568     | \$621,536                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/30/2015            | 3/29/2019          | Ended                       |
| PON-13-301     | EPC-14-066               | 1                                                         | Lawrence Berkeley National Laboratory                                         | High-Performance Integrated Window and Facade Solutions for California Buildings                                           | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                                                                 | S1.3                   | S1.3 Develop, test, and demonstrate Advanced Building Envelope Systems, Materials, and Components                                                                                                                                                                                                                                                                                                             | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$450,000     | \$1,308,929                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/30/2015            | 3/29/2019          | Completed                   |
| PON-14-309     | EPC-14-067               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus  | Improving Hydrological Snowpack Forecasting for Hydropower Generation Using Intelligent Information Systems                | S4                    | S4: Develop Emerging Utility Scale Renewable Energy Generation Technologies and Strategies to Improve Power Plant Performance, Reduce Costs, and Expand the Resource Base | S4.2                   | S4.2 Develop Innovative Tools and Strategies to Increase Utility-Scale Renewable Energy Power Plant Performance and Reliability.                                                                                                                                                                                                                                                                              | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,100,000             | \$1,100,000                | \$236,263     | \$205,897                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 5/13/2015            | 8/30/2019          | Completed                   |
| PON-14-309     | EPC-14-068               | 1                                                         | Maulbetsch Consulting                                                         | Evaluation of Cost, Performance and Water Conserving Capability of Hybrid Cooling                                          | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                       | S5.3                   | S5.3 Develop Analytical Tools and Technologies to Reduce Energy Stresses on Aquatic Resources and Improve Water-Energy Management                                                                                                                                                                                                                                                                             | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$581,580               | \$581,580                  | \$0           | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 5/13/2015            | 1/31/2018          | Completed                   |
| PON-14-309     | EPC-14-069               | 1                                                         | Energy & Environmental Economics, Inc.                                        | Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                       | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                                                                                                                                                                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$700,000               | \$700,000                  | \$0           | \$286,936                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 5/13/2015            | 1/31/2018          | Completed                   |
| PON-14-304     | EPC-14-070               | 1                                                         | Wexus Technologies, Incorporated                                              | Wexus Energy and Water Management Mobile Software for the Agricultural Industry                                            | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                 | S12.1; S12.2           | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs; S12.2 Demonstrate Integrated Demand Side Management Programs – Using Emerging Efficiency, Demand Response, Distributed Generation, Metering and Other Grid-Related Technologies – For the Residential, Commercial, Industrial and Agriculture Sectors | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$1,000,000   | \$571,397                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/30/2015            | 3/29/2019          | Ended                       |
| PON-14-309     | EPC-14-071               | 1                                                         | Frontier Wind                                                                 | Rotor-Mounted Bat Impact Deterrence System Design and Testing                                                              | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                       | S5.2                   | S5.2 Research on Sensitive Species and Habitats to Inform Renewable Energy Planning and Deployment                                                                                                                                                                                                                                                                                                            | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$862,875               | \$862,875                  | \$36,313      | \$31,238                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/30/2015            | 3/29/2019          | Completed                   |
| PON-14-309     | EPC-14-072               | 1                                                         | Lawrence Berkeley National Laboratory                                         | Building a Healthier and More Robust Future: 2050 Low Carbon Energy Scenarios for California                               | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                       | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                                                                                                                                                                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$700,000               | \$700,000                  | \$65,000      | \$236,701                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/30/2015            | 12/30/2017         | Completed                   |
| PON-14-309     | EPC-14-073               | 1                                                         | Lawrence Berkeley National Laboratory                                         | Monitoring the Urban Heat Island Effect and the Efficiency of Future Countermeasures                                       | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                       | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                                                                                                                                                                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$500,000               | \$500,000                  | \$4,000       | \$116,818                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/29/2015            | 12/31/2018         | Completed                   |
| PON-14-309     | EPC-14-074               | 1                                                         | The Regents of the University of California on behalf of the Irvine Campus    | Building a Climate Change Resilient Electricity System for Meeting California's Energy and Environmental Goals             | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                       | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                                                                                                                                                                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$698,792               | \$698,792                  | \$300,000     | \$181,613                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/30/2015            | 7/2/2018           | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                                              | Strategic Objective # | Strategic Objective                                                                                                                                                                              | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                          | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| PON-14-304     | EPC-14-075               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | Unlocking Industrial Energy Efficiency Through Optimized Energy Management Systems                                         | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                                        | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                                                                                                                                                                                                                                                        | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$4,981,729             | \$4,981,729                | \$1,530,590   | \$451,253                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/15/2015            | 3/29/2019          | Completed                   |
| PON-14-304     | EPC-14-076               | 1                                                         | Kennedy/Jenks Consultants                                                    | Raw Wastewater Filtration to Increase Organic Removal Efficiency and Achieve Significant Electrical Savings                | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                                        | S12.1; S12.2           | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs; S12.2 Demonstrate Integrated Demand Side Management Programs – Using Emerging Efficiency, Demand Response, Distributed Generation, Metering and Other Grid-Related Technologies – For the Residential, Commercial, Industrial and Agriculture Sectors | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$3,476,085             | \$3,476,085                | \$1,288,340   | \$1,184,735                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2015             | 6/30/2015            | 3/29/2019          | Ended                       |
| PON-14-310     | EPC-14-077               | 1                                                         | Center for Sustainable Energy                                                | Enable Standardized Vehicle-Grid Integration through Development of Universal Standard                                     | S9                    | S9: Advance Technologies and Strategies That Optimize the Benefits of Plug in Electric Vehicles to the Electricity System                                                                        | S9.1                   | S9.1 Investigate Smart and Efficient Charging Technologies and Approaches to Integrate Plug- In Electric Vehicles Into the Power Grid.                                                                                                                                                                                                                                                                        | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$356,872               | \$356,872                  | \$162,474     | \$193,033                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 6/30/2015            | 6/30/2018          | Terminated                  |
| PON-14-310     | EPC-14-078               | 1                                                         | ChargePoint, Inc.                                                            | Next-Generation Grid Communication for Residential PEVs                                                                    | S9                    | S9: Advance Technologies and Strategies That Optimize the Benefits of Plug in Electric Vehicles to the Electricity System                                                                        | S9.1                   | S9.1 Investigate Smart and Efficient Charging Technologies and Approaches to Integrate Plug- In Electric Vehicles Into the Power Grid.                                                                                                                                                                                                                                                                        | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$142,500     | \$139,418                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 6/30/2015            | 6/30/2018          | Completed                   |
| PON-14-303     | EPC-14-079               | 1                                                         | Electric Power Research Institute, Inc.                                      | Assessing the Ability of Smart Inverters and Smart Consumer Devices to Enable more Residential Solar Energy                | S3                    | S3: Develop Innovative Technologies, Tools, and Strategies to Make Distributed Generation More Affordable                                                                                        | S3.3                   | S3.3 Develop Advanced Distributed Photovoltaic Systems to Reduce the Cost of Energy, Increase Interoperability, and Advance Plug-and-Play Capabilities                                                                                                                                                                                                                                                        | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,705,478             | \$1,705,478                | \$891,414     | \$400,537                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 6/30/2015            | 3/31/2021          | Completed                   |
| PON-14-301     | EPC-14-080               | 1                                                         | Charge Bliss, Inc.                                                           | Renewable Microgrid for a Medical Center                                                                                   | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.2                  | S14.2 Demonstrate Renewable Energy-Based Microgrids Capable Of Sharing Resources Across the Larger Power Grid                                                                                                                                                                                                                                                                                                 | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$4,776,171             | \$4,776,171                | \$2,095,835   | \$729,842                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Micro Business, Calif Based Entity                              | 6/10/2015             | 6/8/2015             | 12/28/2018         | Completed                   |
| PON-14-304     | EPC-14-081               | 1                                                         | AgMonitor Inc.                                                               | Irrigation Optimization and Well Pump Monitoring to Reduce Energy and Water Consumption                                    | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                                        | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                                                                                                                                                                                                                                                        | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$2,292,829             | \$2,292,829                | \$535,568     | \$332,162                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity                              | 6/10/2015             | 6/15/2015            | 4/1/2018           | Completed                   |
| PON-14-307     | EPC-14-082               | 1                                                         | Sierra Institute for Community and Environment                               | Advancing Biomass Combined Heat and Power Technology to Support Rural California, the Environment, and the Electrical Grid | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                                                                                            | S13.2                  | S13.2 Demonstrate and Deploy Pre-Commercial Technologies and Strategies for Combined Heat and Power Applications                                                                                                                                                                                                                                                                                              | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$2,603,228             | \$2,385,261                | \$593,316     | \$262,813                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 7/10/2015            | 12/31/2019         | Completed                   |
| PON-14-307     | EPC-14-082               | 1                                                         | Sierra Institute for Community and Environment                               | Advancing Biomass Combined Heat and Power Technology to Support Rural California, the Environment, and the Electrical Grid | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                                                                                            | S13.2                  | S13.2 Demonstrate and Deploy Pre-Commercial Technologies and Strategies for Combined Heat and Power Applications                                                                                                                                                                                                                                                                                              | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | -\$217,967              |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 7/10/2015            | 12/31/2019         | Completed                   |
| PON-14-307     | EPC-14-083               | 1                                                         | Prospect Silicon Valley                                                      | College of San Mateo Internet of Energy                                                                                    | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                                                                                            | S13.3                  | S13.3 Demonstrate Technologies and Strategies to Facilitate the Integration of Intermittent Renewable Energy                                                                                                                                                                                                                                                                                                  | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$402,626               | \$402,626                  | \$1,235,000   | \$411,350                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 6/29/2015            | 9/30/2018          | Terminated                  |
| PON-14-307     | EPC-14-084               | 1                                                         | ABEC #4 LLC CE&S Dairy Biogas                                                | ABEC #4 Renewable Combined Heat and Power Project                                                                          | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                                                                                            | S13.2                  | S13.2 Demonstrate and Deploy Pre-Commercial Technologies and Strategies for Combined Heat and Power Applications                                                                                                                                                                                                                                                                                              | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$3,000,000             | \$3,000,000                | \$4,983,619   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 6/30/2015            | 3/29/2019          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                                                                                                                                                              | Strategic Objective # | Strategic Objective                                                                                                                                       | Strategic Initiative # | Strategic Initiative                                                                                                                                                         | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| PON-14-307     | EPC-14-085               | 1                                                         | The Regents of the University of California on behalf of the Davis campus        | Demonstration of Community Scale Low Cost Highly Efficient PV and Energy Management System                                                                                                                                                                 | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                                                     | S13.3                  | S13.3 Demonstrate Technologies and Strategies to Facilitate the Integration of Intermittent Renewable Energy                                                                 | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,238,491             | \$1,238,491                | \$739,726     | \$124,883                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 6/30/2015            | 3/31/2021          | Completed                   |
| PON-14-310     | EPC-14-086               | 1                                                         | Electric Power Research Institute, Inc.                                          | Distribution System Aware Vehicle to Grid Services for Improved Grid Stability and Reliability                                                                                                                                                             | S9                    | S9: Advance Technologies and Strategies That Optimize the Benefits of Plug in Electric Vehicles to the Electricity System                                 | S9.2                   | S9.2 Develop Grid Communication Interfaces for Plug-In Electric Vehicle Charging to Support Vehicle-to-Grid Services                                                         | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,499,977             | \$1,499,977                | \$795,754     | \$666,988                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 6/30/2015            | 6/30/2018          | Completed                   |
| PON-14-304     | EPC-14-088               | 1                                                         | Asetek USA, Inc.                                                                 | Demonstration of Low-Cost Liquid Cooling Technology for Data Centers                                                                                                                                                                                       | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                       | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$3,552,678             | \$3,552,678                | \$1,519,738   | \$1,038,931                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2015             | 6/13/2015            | 3/29/2019          | Ended                       |
| PON-14-307     | EPC-15-003               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus    | Demonstration of Community Scale Generation System at the Chemehuevi Community Center                                                                                                                                                                      | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                                                     | S13.3                  | S13.3 Demonstrate Technologies and Strategies to Facilitate the Integration of Intermittent Renewable Energy                                                                 | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$2,588,906             | \$2,588,906                | \$802,478     | \$525,157                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/14/2015            | 10/29/2015           | 6/30/2021          | Completed                   |
| PON-13-301     | EPC-15-004               | 1                                                         | Electric Power Research Institute, Inc.                                          | Climate appropriate HVAC Systems for Commercial Buildings to Reduce Energy Use and Demand                                                                                                                                                                  | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                                                 | S1.2                   | S1.2 Develop, Test Demonstrate, and Integrate Equipment, Systems, and Components that Improve the Advanced heating, Ventilation, Air Conditioning, and Refrigeration Systems | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$2,834,721             | \$2,834,721                | \$440,509     | \$1,088,673                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2015              | 8/3/2015             | 6/30/2020          | Ended                       |
| GFO-15-303     | EPC-15-005               | 1                                                         | ICF Incorporated, L.L.C.                                                         | Potential Impacts and Adaptation Options for the Electricity System from Sea Level Rise in the San Diego Area.                                                                                                                                             | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts       | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                              | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$499,929               | \$499,929                  | \$166,200     | \$240,425                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/14/2015            | 12/4/2015            | 5/30/2018          | Completed                   |
| GFO-15-303     | EPC-15-006               | 1                                                         | Lawrence Berkeley National Laboratory                                            | Modeling the Impact of Wildfires on California's Transmission and Distribution Grid                                                                                                                                                                        | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts       | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                              | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$500,000               | \$500,000                  | \$17,157      | \$169,786                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/14/2015            | 11/1/2015            | 6/1/2018           | Completed                   |
| GFO-15-303     | EPC-15-007               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | Climate Change in Los Angeles County: Grid Vulnerability to Extreme Heat                                                                                                                                                                                   | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts       | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                              | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$500,000               | \$500,000                  | \$183,753     | \$84,000                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/14/2015            | 12/1/2015            | 9/30/2018          | Completed                   |
| GFO-15-303     | EPC-15-008               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus     | Visualizing Climate-Related Risks to the Electricity System using Cal-Adapt                                                                                                                                                                                | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts       | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                              | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$400,000               | \$400,000                  | \$0           | \$74,324                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/12/2015            | 11/16/2015           | 6/28/2019          | Completed                   |
| GFO-15-302     | EPC-15-009               | 1                                                         | California Homebuilding Foundation (CHF)                                         | Workforce Instruction for Standards and Efficiency (WISE)                                                                                                                                                                                                  | S17                   | S17: Strengthen the Clean Energy Workforce by Creating Tools and Resources that Connect the Clean Energy Industry to the Labor Market                     | S17.1                  | S17.1 Provide Grants to Develop and Enhance Training and Apprenticeship Programs to Support Clean Energy Deployment Programs in IOU Service Territories                      | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$4,431,918             | \$4,431,918                | \$15,685,075  | \$1,667,291                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/12/2015            | 11/30/2015           | 6/30/2020          | Ended                       |
| GFO-15-302     | EPC-15-010               | 1                                                         | Center for Sustainable Energy                                                    | Expanding Energy-Related Career Pathways in the Electrical Industry: Increasing Workforce Development Opportunities in Disadvantaged Communities and Delivering Training on Automated Demand Response Communication Equipment to Inside Wireman Apprentice | S17                   | S17: Strengthen the Clean Energy Workforce by Creating Tools and Resources that Connect the Clean Energy Industry to the Labor Market                     | S17.1                  | S17.1 Provide Grants to Develop and Enhance Training and Apprenticeship Programs to Support Clean Energy Deployment Programs in IOU Service Territories                      | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$4,476,189             | \$4,476,189                | \$16,165,080  | \$863,874                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/12/2015            | 12/8/2015            | 6/30/2020          | Ended                       |
| PON-14-304     | EPC-15-012               | 1                                                         | Kennedy/Jenks Consultants                                                        | Improving Membrane Treatment Energy Efficiency through Monitoring the Removal of Colloidal Particle Foulants                                                                                                                                               | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                       | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,167,034             | \$1,167,034                | \$336,000     | \$429,784                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/9/2015             | 1/30/2016            | 3/29/2019          | Ended                       |
| PON-14-310     | EPC-15-013               | 1                                                         | The Regents of the University of California                                      | Open Source Platform For Plug-in Electric Vehicle Smart Charging in California                                                                                                                                                                             | S9                    | S9: Advance Technologies and Strategies That Optimize the Benefits of Plug in Electric Vehicles to the Electricity System                                 | S9.1                   | S9.1 Investigate Smart and Efficient Charging Technologies and                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$90,000      | \$262,826                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/10/2016             | 2/1/2016             | 1/31/2019          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                      | Project Title                                                                                                                                                 | Strategic Objective # | Strategic Objective                                                                                                       | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                  | Investment Plan Program Period             | Program Area                     | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
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|                |                          |                                                           | on behalf of its Berkeley campus                                           |                                                                                                                                                               |                       |                                                                                                                           |                        | Approaches to Integrate Plug- In Electric Vehicles Into the Power Grid.                                                                                                                                                                                                                                                                                                                               |                                            |                                  |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
| PON-14-310     | EPC-15-015               | 1                                                         | Andromeda Power, LLC                                                       | Grid Communication Interface for Smart Electric Vehicle Services Research and Development                                                                     | S9                    | S9: Advance Technologies and Strategies That Optimize the Benefits of Plug in Electric Vehicles to the Electricity System | S9.2                   | S9.2 Develop Grid Communication Interfaces for Plug-In Electric Vehicle Charging to Support Vehicle-to-Grid Services                                                                                                                                                                                                                                                                                  | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$681,693               | \$681,693                  | \$465,000     | \$223,081                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/13/2016             | 2/1/2016             | 1/30/2019          | Completed                   |
| PON-13-302     | EPC-15-016               | 1                                                         | Amber Kinetics, Inc.                                                       | A Transformative Flywheel R&D Project                                                                                                                         | S8                    | S8: Integrate Grid Level Energy Storage Technologies and Determine Best Applications That Provide Locational Benefits     | S8.2                   | S8.2 Develop Innovative Utility-Scale and Generation Energy Storage Technologies and Applications to Mitigate Intermittent Renewables and Meet Peak Demand.                                                                                                                                                                                                                                           | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$2,000,000             | \$2,000,000                | \$7,500,000   | \$388,000                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/13/2016             | 1/27/2016            | 3/30/2018          | Completed                   |
| PON-13-302     | EPC-15-018               | 1                                                         | Eos Energy Storage, LLC                                                    | Pilot Testing of Eos' Znyth Battery Technology in Distributed Energy Storage Systems                                                                          | S8                    | S8: Integrate Grid Level Energy Storage Technologies and Determine Best Applications That Provide Locational Benefits     | S8.2                   | S8.2 Develop Innovative Utility-Scale and Generation Energy Storage Technologies and Applications to Mitigate Intermittent Renewables and Meet Peak Demand.                                                                                                                                                                                                                                           | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$1,894,866             | \$1,894,866                | \$1,436,801   | \$218,866                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 1/13/2016             | 1/15/2016            | 3/31/2021          | Ended                       |
| PON-13-301     | EPC-15-019               | 1                                                         | Regents of the University of California, Davis                             | Low Cost, Large Diameter, Shallow Ground Loops for Ground-Coupled Heat Pumps                                                                                  | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                 | S1.2; S1.7; S1.8       | S1.2 Develop, Test Demonstrate, and Integrate Equipment, Systems, and Components that Improve the Advanced heating, Ventilation, Air Conditioning, and Refrigeration Systems; S1.7 Develop and Evaluate Ideal Strategies to Improve Indoor Air Quality in Energy-Efficient Buildings; S1.8 Develop Cost-Effective Technologies and Approaches to Achieve California's Zero Net Energy Buildings Goals | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$1,212,186             | \$1,212,186                | \$18,826      | \$338,049                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 2/15/2016            | 3/31/2020          | Completed                   |
| PON-13-301     | EPC-15-020               | 1                                                         | Electric Power Research Institute, Inc.                                    | Intelligent HVAC Controls for Low Income Households: A Low Cost Non-connected Device that Understands Consumer Preferences and Performs Adaptive Optimization | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                 | S1.2; S1.4             | S1.2 Develop, Test Demonstrate, and Integrate Equipment, Systems, and Components that Improve the Advanced heating, Ventilation, Air Conditioning, and Refrigeration Systems; S1.4 Investigate and Improve Understanding of Building occupant Behavior and Related Consumer Choice Motivation to Increase and Sustain Energy Efficiency Improvements in Buildings                                     | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$2,705,759             | \$2,705,759                | \$427,072     | \$903,766                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/10/2016             | 3/1/2016             | 3/31/2020          | Completed                   |
| GFO-15-310     | EPC-15-021               | 1                                                         | AGGIOS, Inc                                                                | Mobile Efficiency for Plug Load Devices                                                                                                                       | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                 | S1.6                   | S1.6 Reduce the Energy Use of Plug-Load Devices Through the Development of Products, Systems, and Controls, and Evaluation of Consumer Behavior That Affects Energy Use.                                                                                                                                                                                                                              | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$1,996,999             | \$1,996,999                | \$6,030,450   | \$136,800                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Micro Business, Calif Based Entity                              | 3/9/2016              | 5/1/2016             | 12/31/2018         | Completed                   |
| GFO-15-310     | EPC-15-022               | 1                                                         | The Regents of the University of California on behalf of the Irvine Campus | Power Management User Interface                                                                                                                               | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                 | S1.6                   | S1.6 Reduce the Energy Use of Plug-Load Devices Through the Development of Products, Systems, and Controls, and Evaluation of Consumer Behavior That Affects Energy Use.                                                                                                                                                                                                                              | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$785,124               | \$785,124                  | \$0           | \$300,159                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 4/1/2016             | 4/30/2019          | Ended                       |
| GFO-15-310     | EPC-15-023               | 1                                                         | Lawrence Berkeley National Laboratory                                      | Gaming System Energy Efficiency without Performance Compromises                                                                                               | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                 | S1.6                   | S1.6 Reduce the Energy Use of Plug-Load Devices Through the Development of Products, Systems, and Controls, and Evaluation of Consumer Behavior That Affects Energy Use.                                                                                                                                                                                                                              | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$1,386,530             | \$1,386,530                | \$0           | \$658,250                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 6/1/2016             | 12/31/2018         | Completed                   |
| GFO-15-310     | EPC-15-024               | 1                                                         | Lawrence Berkeley National Laboratory                                      | Efficient and ZNE-Ready Plug Loads                                                                                                                            | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                 | S1.6                   | S1.6 Reduce the Energy Use of Plug-Load Devices Through the Development                                                                                                                                                                                                                                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$1,600,000             | \$1,600,000                | \$495,000     | \$634,531                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 4/1/2016             | 4/30/2019          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                   | Project Title                                                                                                                               | Strategic Objective # | Strategic Objective                                                                                                                                 | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                     | Investment Plan Program Period                     | Program Area                     | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                         |                                                                                                                                             |                       |                                                                                                                                                     |                        | of Products, Systems, and Controls, and Evaluation of Consumer Behavior That Affects Energy Use.                                                                                                                                                                                                         |                                                    |                                  |                         |                            |               |                                           |                   |                                                |                                                  |                                                                      |                       |                      |                    |                             |
| GFO-15-310     | EPC-15-025               | 1                                                         | Home Energy Analytics                   | Plug Load Reduction App:RYPL                                                                                                                | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                                           | S1.6                   | S1.6 Reduce the Energy Use of Plug-Load Devices Through the Development of Products, Systems, and Controls, and Evaluation of Consumer Behavior That Affects Energy Use.                                                                                                                                 | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development | \$884,100               | \$884,100                  | \$350,000     | \$634,531                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity, Woman Own   | 3/9/2016              | 4/11/2016            | 12/31/2019         | Ended                       |
| GFO-15-310     | EPC-15-026               | 1                                                         | Lawrence Berkeley National Laboratory   | Unlocking Plug Load Energy Savings through Energy Reporting                                                                                 | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                                           | S1.6                   | S1.6 Reduce the Energy Use of Plug-Load Devices Through the Development of Products, Systems, and Controls, and Evaluation of Consumer Behavior That Affects Energy Use.                                                                                                                                 | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development | \$1,630,699             | \$1,630,699                | \$494,318     | \$123,700                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2016              | 5/1/2016             | 4/30/2019          | Ended                       |
| GFO-15-310     | EPC-15-027               | 1                                                         | Fisher-Nickel, Inc.                     | Electric Plug Load Savings Potential of Commercial Foodservice Equipment                                                                    | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                                           | S1.6                   | S1.6 Reduce the Energy Use of Plug-Load Devices Through the Development of Products, Systems, and Controls, and Evaluation of Consumer Behavior That Affects Energy Use.                                                                                                                                 | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development | \$937,469               | \$937,469                  | \$202,450     | \$392,763                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/16/2016            | 6/30/2020          | Ended                       |
| GFO-15-309     | EPC-15-028               | 1                                                         | Electric Power Research Institute, Inc. | Real World Electrification Options of Energy Services and Environmental Justice (EJ) Considerations                                         | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts | S5.1; S5.4             | S5.1 Conduct Air Quality Research to Address Environmental and Public Health Effects of Conventional and Renewable Energy and to Facilitate Renewable Energy Deployment; S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development | \$799,444               | \$799,444                  | \$759,213     | \$234,351                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/13/2016            | 5/13/2019          | Completed                   |
| GFO-15-309     | EPC-15-029               | 1                                                         | Black & Veatch Corporation              | Distributed Generation Environmental Planner                                                                                                | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts | S5.2                   | S5.2 Research on Sensitive Species and Habitats to Inform Renewable Energy Planning and Deployment                                                                                                                                                                                                       | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development | \$199,976               | \$199,976                  | \$0           | \$44,350                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 6/1/2016             | 1/31/2018          | Completed                   |
| GFO-15-306     | EPC-15-030               | 1                                                         | Cleantech San Diego Association         | San Diego Regional Energy Innovation Cluster                                                                                                | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies         | S10.2                  | S10.2 Support Demonstration Testing and Verification Centers to Accelerate the Deployment of Pre- Commercial Clean Energy Technologies                                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development | \$3,000,000             | \$10,000,000               | \$4,668,434   | \$880,681                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/1/2016             | 3/31/2027          | Active (Open)               |
| GFO-15-306     | EPC-15-030               | 1                                                         | Cleantech San Diego Association         | San Diego Regional Energy Innovation Cluster                                                                                                | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                                   | S18.1                  | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.                                                                                                                                                                                              | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation              | \$2,000,000             |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/1/2016             | 3/31/2027          | Active (Open)               |
| GFO-15-306     | EPC-15-030               | 1                                                         | Cleantech San Diego Association         | San Diego Regional Energy Innovation Cluster                                                                                                | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                                                | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                                                                                                                                                                                                                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation              | \$5,000,000             |                            |               |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/1/2016             | 3/31/2027          | Active (Open)               |
| GFO-15-310     | EPC-15-031               | 1                                                         | Electric Power Research Institute, Inc. | Flexible Control Strategies for Plug Loads with Context-Aware Smart Power Outlets to Mitigate Electricity Waste and Support Demand Response | S1                    | S1: Develop Next-Generation End-Use Energy Efficiency Technologies and Strategies for the Building Sector                                           | S1.6                   | S1.6 Reduce the Energy Use of Plug-Load Devices Through the Development of Products, Systems, and Controls, and Evaluation of Consumer Behavior That Affects Energy Use.                                                                                                                                 | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development | \$1,050,022             | \$1,050,022                | \$335,120     | \$366,082                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/2/2016             | 3/31/2021          | Completed                   |
| GFO-15-306     | EPC-15-032               | 1                                                         | Activate Global, Inc                    | Bay Area Regional Energy Innovation Cluster                                                                                                 | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies         | S10.2                  | S10.2 Support Demonstration Testing and Verification Centers to Accelerate the Deployment of Pre- Commercial Clean Energy Technologies                                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development | \$2,000,000             | \$9,960,000                | \$10,245,061  | \$282,411                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/12/2016            | 3/31/2026          | Active (Open)               |
| GFO-15-306     | EPC-15-032               | 1                                                         | Activate Global, Inc                    | Bay Area Regional Energy Innovation Cluster                                                                                                 | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                                   | S18.1                  | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.                                                                                                                                                                                              | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation              | \$2,980,000             |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/12/2016            | 3/31/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                                                                           | Strategic Objective # | Strategic Objective                                                                                                                                                                              | Strategic Initiative # | Strategic Initiative                                                                                                                                                     | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-15-306     | EPC-15-032               | 1                                                         | Activate Global, Inc                                                         | Bay Area Regional Energy Innovation Cluster                                                                                                             | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                                                                                             | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                                                                                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$4,980,000             |                            |               |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/12/2016            | 3/31/2026          | Active (Open)               |
| GFO-15-309     | EPC-15-033               | 1                                                         | Regents of the University of California, Davis                               | Ventilation Solutions for Energy Efficient California Schools: Improving Indoor Air Quality through Advanced, High Performance HVAC                     | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                              | S5.1                   | S5.1 Conduct Air Quality Research to Address Environmental and Public Health Effects of Conventional and Renewable Energy and to Facilitate Renewable Energy Deployment. | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$0           | \$439,287                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 6/1/2016             | 9/30/2019          | Completed                   |
| GFO-15-309     | EPC-15-034               | 1                                                         | Public Health Institute                                                      | Emerging Energy Public Health Research Roadmap                                                                                                          | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                              | S5.1                   | S5.1 Conduct Air Quality Research to Address Environmental and Public Health Effects of Conventional and Renewable Energy and to Facilitate Renewable Energy Deployment. | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development        | \$151,000               | \$151,000                  | \$0           | \$21,163                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 6/1/2016             | 7/31/2017          | Completed                   |
| GFO-15-309     | EPC-15-035               | 1                                                         | Lawrence Berkeley National Laboratory                                        | Clarifying and Quantifying Current and Near-Term Groundwater Pumping Energy Use and Costs in California to Improve Energy and Water Systems Reliability | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                              | S5.3                   | S5.3 Develop Analytical Tools and Technologies to Reduce Energy Stresses on Aquatic Resources and Improve Water-Energy Management                                        | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development        | \$625,000               | \$625,000                  | \$22,550      | \$260,000                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 6/1/2016             | 6/30/2019          | Completed                   |
| GFO-15-309     | EPC-15-036               | 1                                                         | Eagle Rock Analytics, Inc.                                                   | Probabilistic Seasonal and Decadal Forecasts for the Electricity System Using Linear Inverse Modeling                                                   | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                              | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                          | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development        | \$400,000               | \$400,000                  | \$0           | \$26,898                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 4/13/2016             | 5/13/2016            | 9/30/2019          | Completed                   |
| GFO-15-309     | EPC-15-037               | 1                                                         | Lawrence Berkeley National Laboratory                                        | Smart Ventilation for Advanced California Homes                                                                                                         | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                              | S5.1                   | S5.1 Conduct Air Quality Research to Address Environmental and Public Health Effects of Conventional and Renewable Energy and to Facilitate Renewable Energy Deployment. | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$1,300,000   | \$649,037                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/13/2016            | 1/30/2020          | Completed                   |
| GFO-15-306     | EPC-15-038               | 1                                                         | California State University, Fresno Foundation                               | BlueTechValley Innovation Cluster                                                                                                                       | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies                                                      | S10.2                  | S10.2 Support Demonstration Testing and Verification Centers to Accelerate the Deployment of Pre- Commercial Clean Energy Technologies                                   | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development        | \$3,000,000             | \$10,000,000               | \$2,655,684   | \$718,347                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/16/2016            | 3/31/2027          | Active (Open)               |
| GFO-15-306     | EPC-15-038               | 1                                                         | California State University, Fresno Foundation                               | BlueTechValley Innovation Cluster                                                                                                                       | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                                                                                | S18.1                  | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.                                                              | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation                     | \$2,000,000             |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/16/2016            | 3/31/2027          | Active (Open)               |
| GFO-15-306     | EPC-15-038               | 1                                                         | California State University, Fresno Foundation                               | BlueTechValley Innovation Cluster                                                                                                                       | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                                                                                             | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                                                                                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$5,000,000             |                            |               |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/16/2016            | 3/31/2027          | Active (Open)               |
| GFO-15-309     | EPC-15-039               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | Carbon Balance with Renewable Energy: Effects of Solar Installations on Desert Soil Carbon Cycle                                                        | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                              | S5.2                   | S5.2 Research on Sensitive Species and Habitats to Inform Renewable Energy Planning and Deployment                                                                       | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development        | \$499,181               | \$499,181                  | \$72,000      | \$80,312                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 6/1/2016             | 2/28/2020          | Completed                   |
| GFO-15-309     | EPC-15-040               | 1                                                         | Zoological Society of San Diego dba San Diego Zoo Wildlife Alliance          | Assessing California's Mitigation Guidelines for Burrowing Owls Impacted by Renewable Energy                                                            | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                              | S5.2                   | S5.2 Research on Sensitive Species and Habitats to Inform Renewable Energy Planning and Deployment                                                                       | 2012-2014 EPIC Program 1st Investment Plan         | Applied Research and Development        | \$598,671               | \$598,671                  | \$602,936     | \$54,425                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 9/2/2019           | Completed                   |
| GFO-15-308     | EPC-15-041               | 1                                                         | Prospect Silicon Valley                                                      | MarketZero: Taking an existing grocery store to scalable near-ZNE                                                                                       | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                                        | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                   | 2012-2014 EPIC Program 1st Investment Plan         | Technology Demonstration and Deployment | \$2,999,591             | \$2,999,591                | \$650,000     | \$846,723                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 5/1/2016             | 6/30/2020          | Ended                       |
| GFO-15-308     | EPC-15-042               | 1                                                         | California Homebuilding Foundation (CHF)                                     | Zero Energy Residential Optimization - Community Achievement (ZERO-CA)                                                                                  | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.1                  | S14.1 Demonstrate Zero-Net Energy Buildings and Communities                                                                                                              | 2012-2014 EPIC Program 1st Investment Plan         | Technology Demonstration and Deployment | \$4,819,805             | \$4,819,805                | \$2,611,014   | \$1,488,701                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/1/2016             | 3/31/2021          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                                                       | Strategic Objective # | Strategic Objective                                                                                                                                       | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
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| GFO-15-309     | EPC-15-043               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | Development of a Genoscape Framework for Assessing Population-Level Impacts of Renewable Energy Development on Migratory Bird Species in California | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts       | S5.2                   | S5.2 Research on Sensitive Species and Habitats to Inform Renewable Energy Planning and Deployment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$599,236               | \$599,236                  | \$888,250     | \$114,848                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/13/2016             | 6/1/2016             | 9/30/2019          | Completed                   |
| GFO-15-313     | EPC-15-044               | 1                                                         | Electric Power Research Institute, Inc.                                          | Certified Open-Source Software to Support the Interconnection Compliance of Distributed Energy Resources                                            | S7                    | S7: Develop Operational Tools, Models, and Simulations to Improve Grid Resource Planning                                                                  | S7.4                   | S7.4 Develop Interoperability Test Tools and Procedures to Validate New Subsystem Integration into the Grid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$816,539               | \$816,539                  | \$243,722     | \$203,973                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/18/2016            | 3/29/2019          | Completed                   |
| GFO-15-311     | EPC-15-045               | 1                                                         | Electric Power Research Institute, Inc.                                          | Transactive Incentive Signals to Manage Electricity Consumption for Demand Response                                                                 | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                       | S2.1; S2.2; S2.3; S2.4 | S2.1 Develop Cost-Effective Metering and Telemetry to Allow Customers With Demand Response, Distributed Generation, Plug-in Electric Vehicles, and Energy Storage to Participate in California ISO Markets and/or Provide Grid Services.; S2.2 Develop Demand Response Technologies and Strategies to Allow Customers to Participate in Ancillary Service Markets and/or in Dynamic Price and Reliability-Based DR Programs and Market Transactions in Retail and Wholesale Markets; S2.3 Demonstrate and Evaluate the Integration of Distributed Energy Resources, Including Storage and Demand Response, at the Community Scale and in Microgrids; S2.4 Develop and Test Novel Technologies, Strategies, and Applications That Improve the Business Case for Customer-Side Dispatchable Distributed Resources and/or Expansion of Demand Response Capabilities. | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$498,054               | \$498,054                  | \$110,450     | \$190,201                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/18/2016            | 6/30/2020          | Completed                   |
| GFO-15-313     | EPC-15-046               | 1                                                         | Siemens Corporation, Corporate Technology                                        | Developing a Distribution Substation Management System                                                                                              | S6                    | S6: Develop Technologies, Tools, and Strategies to Enable the Smart Grid of 2020                                                                          | S6.2                   | S6.2 Develop Controls and Equipment to Expand Distribution Automation Capabilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$500,000               | \$500,000                  | \$455,000     | \$171,526                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/24/2016            | 3/29/2019          | Completed                   |
| GFO-15-313     | EPC-15-047               | 1                                                         | SLAC National Accelerator Laboratory                                             | Powernet - A Cloud Based Method for Managing Distribution Resources                                                                                 | S6                    | S6: Develop Technologies, Tools, and Strategies to Enable the Smart Grid of 2020                                                                          | S6.2                   | S6.2 Develop Controls and Equipment to Expand Distribution Automation Capabilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$2,210,720             | \$2,210,720                | \$0           | \$865,939                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/18/2016            | 3/31/2020          | Completed                   |
| GFO-15-311     | EPC-15-048               | 1                                                         | Alternative Energy Systems Consulting, Inc.                                      | Residential Intelligent Energy Management Solution: Advanced Intelligence to Enable Integration of Distributed Energy Resources                     | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                       | S2.4                   | S2.4 Develop and Test Novel Technologies, Strategies, and Applications That Improve the Business Case for Customer-Side Dispatchable Distributed Resources and/or Expansion of Demand Response Capabilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$3,996,560             | \$3,996,560                | \$0           | \$637,870                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/30/2016            | 3/31/2020          | Completed                   |
| GFO-15-309     | EPC-15-049               | 1                                                         | Antelope Valley Water Storage, LLC                                               | Electricity Pumped Storage Systems Using Underground Reservoirs: A Feasibility Study for the Antelope Valley Water Storage System                   | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts       | S5.3                   | S5.3 Develop Analytical Tools and Technologies to Reduce Energy Stresses on Aquatic Resources and Improve Water-Energy Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$197,300               | \$197,300                  | \$199,353     | \$15,276                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 9/29/2017          | Completed                   |
| GFO-15-317     | EPC-15-050               | 1                                                         | Regents of the University of California, Davis                                   | Winery Water and Energy Savings                                                                                                                     | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,989,201             | \$1,989,201                | \$404,625     | \$157,088                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/30/2016            | 3/31/2020          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                           | Strategic Objective # | Strategic Objective                                                                                                                                                                                                                                                                      | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                  | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-15-311     | EPC-15-051               | 1                                                         | Lawrence Berkeley National Laboratory                                            | The Value Proposition for Cost-Effective, DR-Enabling, Nonresidential Lighting System Retrofits in California Buildings | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                                                                                                                                                      | S2.4                   | S2.4 Develop and Test Novel Technologies, Strategies, and Applications That Improve the Business Case for Customer-Side Dispatchable Distributed Resources and/or Expansion of Demand Response Capabilities.                                          | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$500,000               | \$500,000                  | \$138,648     | \$130,529                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 6/30/2018          | Ended                       |
| GFO-15-308     | EPC-15-053               | 1                                                         | Electric Power Research Institute, Inc.                                          | Customer-Centric Approach to Scaling IDSM Retrofits                                                                     | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                                                                                                                                | S12.2                  | S12.2 Demonstrate Integrated Demand Side Management Programs – Using Emerging Efficiency, Demand Response, Distributed Generation, Metering and Other Grid-Related Technologies – For the Residential, Commercial, Industrial and Agriculture Sectors | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$3,894,721             | \$3,894,721                | \$799,559     | \$1,382,796                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/30/2016            | 6/30/2021          | Completed                   |
| GFO-15-311     | EPC-15-054               | 1                                                         | Universal Devices, Inc.                                                          | Complete and Low Cost Retail Automated Transactive Energy System (RATES)                                                | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                                                                                                                                                      | S2.2                   | S2.2 Develop Demand Response Technologies and Strategies to Allow Customers to Participate in Ancillary Service Markets and/or in Dynamic Price and Reliability-Based DR Programs and Market Transactions in Retail and Wholesale Markets             | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$3,187,370             | \$3,187,370                | \$1,087,710   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity                              | 5/17/2016             | 6/30/2016            | 3/29/2019          | Ended                       |
| GFO-15-312     | EPC-15-055               | 1                                                         | Charge Bliss, Inc.                                                               | The Charge Bliss Advanced Renewable Energy Community for a Disadvantaged Southern California Community                  | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local Government Land Use Planning                                                                                 | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,500,000             | \$1,500,000                | \$96,937      | \$197,815                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Micro Business, Calif Based Entity                              | 5/17/2016             | 6/1/2016             | 3/30/2018          | Completed                   |
| GFO-15-312     | EPC-15-056               | 1                                                         | Natural Capitalism Solutions, dba Clean Coalition                                | Peninsula Advanced Energy Community (PAEC)                                                                              | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local Government Land Use Planning                                                                                 | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,318,997             | \$1,318,997                | \$330,000     | \$312,711                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/27/2016            | 6/30/2018          | Completed                   |
| GFO-15-311     | EPC-15-057               | 1                                                         | The Regents of the University of California (CIEE)                               | Customer-controlled, Price-mediated, Automated Demand Response for Commercial Buildings                                 | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                                                                                                                                                      | S2.2                   | S2.2 Develop Demand Response Technologies and Strategies to Allow Customers to Participate in Ancillary Service Markets and/or in Dynamic Price and Reliability-Based DR Programs and Market Transactions in Retail and Wholesale Markets             | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$4,000,000             | \$4,000,000                | \$424,000     | \$1,373,762                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/30/2016            | 9/30/2019          | Ended                       |
| GFO-15-312     | EPC-15-058               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus     | The Oakland EcoBlock - A Zero Net Energy, Low Water Use Retrofit Neighborhood Demonstration Project                     | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local Government Land Use Planning                                                                                 | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,500,000             | \$1,500,000                | \$769,846     | \$117,432                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/27/2016            | 3/23/2018          | Completed                   |
| GFO-15-313     | EPC-15-059               | 1                                                         | Onset, Inc.                                                                      | UniGen Smart System for Renewable Integration                                                                           | S6                    | S6: Develop Technologies, Tools, and Strategies to Enable the Smart Grid of 2020                                                                                                                                                                                                         | S6.4                   | S6.4 Develop Grid Operation Practices and Applications that Use Renewable Availability Data.                                                                                                                                                          | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$638,993               | \$638,993                  | \$0           | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/24/2016            | 3/29/2019          | Ended                       |
| GFO-15-309     | EPC-15-060               | 1                                                         | Regents of the University of California, Davis                                   | Optimizing Solar Facility Configuration Effects on Habitat, Managed Plants, and Essential Species Interactions          | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                                                                                                                      | S5.2                   | S5.2 Research on Sensitive Species and Habitats to Inform Renewable Energy Planning and Deployment                                                                                                                                                    | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$597,865               | \$597,865                  | \$103,297     | \$99,801                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 9/30/2019          | Completed                   |
| GFO-15-312     | EPC-15-061               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | Using Data-Driven Approaches to Design Advanced Energy Communities for Existing Buildings                               | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local                                                                                                              | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,497,996             | \$1,497,996                | \$381,074     | \$449,666                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/13/2016            | 3/30/2018          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                           | Strategic Objective # | Strategic Objective                                                                                                                                                                                                                                                                      | Strategic Initiative # | Strategic Initiative                                                                                                                                                     | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                                  |                                                                                                         |                       |                                                                                                                                                                                                                                                                                          |                        | Government Land Use Planning                                                                                                                                             |                                            |                                         |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
| GFO-15-309     | EPC-15-062               | 1                                                         | The Regents of the University of California on behalf of the Irvine Campus       | Robust, Low-Cost, Real-Time, NOx Sensor for Optimization of Dispatchable Distributed Generation Systems | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                                                                                                                      | S5.1                   | S5.1 Conduct Air Quality Research to Address Environmental and Public Health Effects of Conventional and Renewable Energy and to Facilitate Renewable Energy Deployment. | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$200,000               | \$200,000                  | \$0           | \$53,531                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 4/18/2019          | Completed                   |
| GFO-15-308     | EPC-15-064               | 1                                                         | Prospect Silicon Valley                                                          | Innovative Net Zero: ZNE Demonstration in Existing Low-Income Mixed-Use Housing                         | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                                                                                                                                | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                   | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$290,859               | \$290,859                  | \$800,000     | \$408,130                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/30/2016            | 3/31/2020          | Terminated                  |
| GFO-15-312     | EPC-15-065               | 1                                                         | Office of Energy and Sustainable Development, City of Berkeley                   | Berkeley Energy Assurance Transformation (BEAT) Project                                                 | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local Government Land Use Planning    | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,499,214             | \$1,499,214                | \$250,121     | \$500,070                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/31/2016            | 6/30/2018          | Completed                   |
| GFO-15-312     | EPC-15-066               | 1                                                         | Groundwork San Diego-Chollas Creek                                               | Developing an Advanced Energy Master Plan for the Encanto Neighborhood in San Diego                     | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local Government Land Use Planning    | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,500,000             | \$1,500,000                | \$520,000     | \$129,898                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 3/30/2018          | Completed                   |
| GFO-15-312     | EPC-15-067               | 1                                                         | Local Government Commission                                                      | Integrated Community Resource Marketplace                                                               | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local Government Land Use Planning    | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,500,000             | \$1,500,000                | \$12,445      | \$432,890                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 3/30/2018          | Completed                   |
| GFO-15-309     | EPC-15-068               | 1                                                         | Lawrence Berkeley National Laboratory                                            | Understanding and Mitigating Barriers to Wind Energy Expansion in California                            | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                                                                                                                      | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                          | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$200,000               | \$200,000                  | \$70,000      | \$74,830                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/30/2016            | 3/30/2018          | Completed                   |
| GFO-15-312     | EPC-15-069               | 1                                                         | Zero Net Energy (ZNE) Alliance                                                   | Lancaster Advanced Energy Community (AEC) Project                                                       | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local Government Land Use Planning    | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,469,779             | \$1,469,779                | \$1,500,000   | \$507,982                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 7/13/2016            | 3/30/2018          | Completed                   |
| GFO-15-309     | EPC-15-070               | 1                                                         | Altostratus, Inc.                                                                | Intra-urban Enhancements to Probabilistic Climate Forecasting for the Electric System                   | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                                                                                                                      | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                          | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$193,326               | \$193,326                  | \$5,000       | \$14,035                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity                              | 5/17/2016             | 6/1/2016             | 5/30/2019          | Completed                   |
| GFO-15-312     | EPC-15-071               | 1                                                         | Biodico, Inc.                                                                    | Zero Net Energy Farms                                                                                   | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local Government Land Use Planning    | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,175,919             | \$1,175,919                | \$1,140,419   | \$122,540                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/1/2016             | 3/31/2018          | Completed                   |
| GFO-15-309     | EPC-15-072               | 1                                                         | Regents of the University of California, Davis                                   | New Chemical Compounds for Cost-Effective Carbon Capture                                                | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                                                                                                                      | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                          | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$200,000               | \$200,000                  | \$0           | \$40,000                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/30/2016            | 6/30/2020          | Completed                   |
| GFO-15-311     | EPC-15-073               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | Identifying Effective Demand Response Program Designs to Increase Residential Customer Participation    | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                                                                                                                                                      | S2.4                   | S2.4 Develop and Test Novel Technologies, Strategies, and Applications That Improve the Business Case for Customer-Side Dispatchable Distributed                         | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$2,007,875             | \$2,007,875                | \$562,633     | \$203,115                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/30/2016            | 3/31/2019          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                   | Project Title                                                                                                                                      | Strategic Objective # | Strategic Objective                                                                                                                                                                                                                 | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Investment Plan Program Period             | Program Area                     | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
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|                |                          |                                                           |                                         |                                                                                                                                                    |                       |                                                                                                                                                                                                                                     |                        | Resources and/or Expansion of Demand Response Capabilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                  |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
| GFO-15-311     | EPC-15-074               | 1                                                         | Center for Sustainable Energy           | Meeting Customer and Supply-side Market Needs with Electrical and Thermal Storage, Solar, Energy Efficiency and Integrated Load Management Systems | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                                                                                                 | S2.1; S2.2; S2.3; S2.4 | S2.1 Develop Cost-Effective Metering and Telemetry to Allow Customers With Demand Response, Distributed Generation, Plug-in Electric Vehicles, and Energy Storage to Participate in California ISO Markets and/or Provide Grid Services.; S2.2 Develop Demand Response Technologies and Strategies to Allow Customers to Participate in Ancillary Service Markets and/or in Dynamic Price and Reliability-Based DR Programs and Market Transactions in Retail and Wholesale Markets; S2.3 Demonstrate and Evaluate the Integration of Distributed Energy Resources, Including Storage and Demand Response, at the Community Scale and in Microgrids; S2.4 Develop and Test Novel Technologies, Strategies, and Applications That Improve the Business Case for Customer-Side Dispatchable Distributed Resources and/or Expansion of Demand Response Capabilities. | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$3,960,805             | \$3,960,805                | \$1,981,262   | \$746,794                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 4/1/2016             | 6/30/2020          | Ended                       |
| GFO-15-311     | EPC-15-075               | 1                                                         | Electric Power Research Institute, Inc. | Customer-centric Demand Management using Load Aggregation and Data Analytics                                                                       | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                                                                                                 | S2.1; S2.2; S2.3; S2.4 | S2.1 Develop Cost-Effective Metering and Telemetry to Allow Customers With Demand Response, Distributed Generation, Plug-in Electric Vehicles, and Energy Storage to Participate in California ISO Markets and/or Provide Grid Services.; S2.2 Develop Demand Response Technologies and Strategies to Allow Customers to Participate in Ancillary Service Markets and/or in Dynamic Price and Reliability-Based DR Programs and Market Transactions in Retail and Wholesale Markets; S2.3 Demonstrate and Evaluate the Integration of Distributed Energy Resources, Including Storage and Demand Response, at the Community Scale and in Microgrids; S2.4 Develop and Test Novel Technologies, Strategies, and Applications That Improve the Business Case for Customer-Side Dispatchable Distributed Resources and/or Expansion of Demand Response Capabilities. | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development | \$3,998,587             | \$3,998,587                | \$1,270,312   | \$1,163,894                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/18/2016            | 6/30/2020          | Completed                   |
| GFO-15-312     | EPC-15-076               | 1                                                         | Zero Net Energy (ZNE) Alliance          | Richmond Advanced Energy Community Project                                                                                                         | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation              | \$1,480,111             | \$1,480,111                | \$2,590,134   | \$370,990                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 3/30/2018          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                                                                                                    | Strategic Objective # | Strategic Objective                                                                                                                                                                                                                                                                      | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                              |                                                                                                                                                                                  |                       | Widespread Deployment of Clean Energy Infrastructure                                                                                                                                                                                                                                     |                        | Government Land Use Planning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                                         |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
| GFO-15-312     | EPC-15-077               | 1                                                         | The Regents of the University of California on behalf of the Irvine Campus   | Huntington Beach Advanced Energy Community Blueprint                                                                                                                             | S16                   | S16: Collaborate With Local Jurisdictions and Stakeholder Groups in IOU Territories to Establish Strategies for Enhancing Current Regulatory Assistance and Permit Streamlining Efforts That Facilitate Coordinated Investments and Widespread Deployment of Clean Energy Infrastructure | S16.2                  | S16.2 Provide Planning Grants to Cities and Counties to Incorporate Clean Energy Technology Planning and Permitting Processes into Local Government Land Use Planning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2012-2014 EPIC Program 1st Investment Plan | Market Facilitation                     | \$1,500,000             | \$1,500,000                | \$810,998     | \$508,226                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/15/2016            | 7/31/2018          | Completed                   |
| GFO-15-309     | EPC-15-078               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | Risk Modeling and Cognitive Science Characterization of Barriers to Climate Change Adaptation in California Electricity Sector                                                   | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                                                                                                                      | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$350,000               | \$350,000                  | \$0           | \$48,887                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/30/2016            | 3/29/2019          | Completed                   |
| GFO-15-317     | EPC-15-079               | 1                                                         | Victor Valley Wastewater Reclamation Authority (VWWRA)                       | Advanced Renewable Energy Storage and Recycled Water Project                                                                                                                     | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                                                                                                                                | S12.2                  | S12.2 Demonstrate Integrated Demand Side Management Programs – Using Emerging Efficiency, Demand Response, Distributed Generation, Metering and Other Grid-Related Technologies – For the Residential, Commercial, Industrial and Agriculture Sectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,734,059             | \$1,734,059                | \$902,215     | \$220,423                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/13/2016            | 3/31/2021          | Completed                   |
| GFO-15-309     | EPC-15-080               | 1                                                         | Thalassa Research & Consulting, LLC                                          | Interdependencies of Electric Grid and Critical Lifelines: Identifying Climate Exposure and Adaptation Strategies                                                                | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                                                                                                                      | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$128,188               | \$128,188                  | \$0           | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 1/17/2018          | Completed                   |
| GFO-15-309     | EPC-15-081               | 1                                                         | Ghoulem Research                                                             | Historical Insights for Electricity Transition Scenarios in California and Flexible Energy Demand Modeling for Residential Air Conditioning with Improved Behavioral Specificity | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                                                                                                                      | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$400,000               | \$400,000                  | \$0           | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Woman Own                                   | 5/17/2016             | 6/13/2016            | 6/28/2019          | Completed                   |
| GFO-15-309     | EPC-15-082               | 1                                                         | The Regents of the University of California, Merced                          | Low-Temperature Microplasma-Assisted Hydrogen Production from Biogas for Electricity Generation                                                                                  | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts                                                                                                                                      | S5.4                   | S5.4 Develop Analytical Tools and Technologies to Plan for and Minimize the Impacts of Climate Change on the Electricity System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$200,000               | \$200,000                  | \$47,199      | \$35,171                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/1/2016             | 6/24/2019          | Completed                   |
| GFO-15-311     | EPC-15-083               | 1                                                         | OhmConnect, Inc.                                                             | Empowering Proactive Consumers to Participate in Demand Response Programs                                                                                                        | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                                                                                                                                                      | S2.1; S2.2; S2.3; S2.4 | S2.1 Develop Cost-Effective Metering and Telemetry to Allow Customers With Demand Response, Distributed Generation, Plug-in Electric Vehicles, and Energy Storage to Participate in California ISO Markets and/or Provide Grid Services.; S2.2 Develop Demand Response Technologies and Strategies to Allow Customers to Participate in Ancillary Service Markets and/or in Dynamic Price and Reliability-Based DR Programs and Market Transactions in Retail and Wholesale Markets; S2.3 Demonstrate and Evaluate the Integration of Distributed Energy Resources, Including Storage and Demand Response, at the Community Scale and in Microgrids; S2.4 Develop and Test Novel Technologies, Strategies, and Applications That Improve the Business Case for Customer-Side Dispatchable Distributed Resources and/or Expansion of Demand Response Capabilities. | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$3,995,028             | \$3,995,028                | \$1,877,378   | \$245,265                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 5/18/2016            | 6/28/2019          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                         | Project Title                                                                                   | Strategic Objective # | Strategic Objective                                                                                                                                       | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                  | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-15-311     | EPC-15-084               | 1                                                         | BMW of North America, LLC                                                     | Total Charge Management: Advanced Charge Management for Renewable Integration                   | S2                    | S2: Develop New Technologies and Applications that Enable Cost-Beneficial Customer-side-of-the-Meter Energy Choices                                       | S2.1                   | S2.1 Develop Cost-Effective Metering and Telemetry to Allow Customers With Demand Response, Distributed Generation, Plug-in Electric Vehicles, and Energy Storage to Participate in California ISO Markets and/or Provide Grid Services.              | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$3,999,900             | \$3,999,900                | \$444,931     | \$330,779                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/17/2016             | 6/30/2016            | 6/30/2020          | Completed                   |
| GFO-15-308     | EPC-15-085               | 1                                                         | Center for Sustainable Energy                                                 | San Diego Libraries Zero Net Energy and Integrated Demand Side Management Demonstration Project | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies | S12.2                  | S12.2 Demonstrate Integrated Demand Side Management Programs – Using Emerging Efficiency, Demand Response, Distributed Generation, Metering and Other Grid-Related Technologies – For the Residential, Commercial, Industrial and Agriculture Sectors | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$2,715,516             | \$2,715,516                | \$544,312     | \$725,052                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 6/30/2016            | 3/31/2021          | Completed                   |
| GFO-15-313     | EPC-15-086               | 1                                                         | Advanced Power and Energy Program (APEP) - University of California, Irvine   | Substation Automation and Optimization of Distribution Circuit Operations                       | S6                    | S6: Develop Technologies, Tools, and Strategies to Enable the Smart Grid of 2020                                                                          | S6.2                   | S6.2 Develop Controls and Equipment to Expand Distribution Automation Capabilities.                                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$932,718               | \$932,718                  | \$112,281     | \$124,021                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 6/22/2016            | 3/29/2019          | Completed                   |
| GFO-15-317     | EPC-15-087               | 1                                                         | Electric Power Research Institute, Inc.                                       | Cooling Tower Water Treatment using Vortex Process Technology for Energy and Water Savings      | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization And Utility Rebate Programs                                                                                                | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,999,995             | \$1,999,995                | \$449,990     | \$485,121                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 6/30/2016            | 6/30/2020          | Completed                   |
| GFO-15-317     | EPC-15-088               | 1                                                         | Kennedy/Jenks Consultants                                                     | Biofiltration as an Advanced Primary Treatment Method to Achieve Substantial Energy Savings     | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies | S12.2                  | S12.2 Demonstrate Integrated Demand Side Management Programs – Using Emerging Efficiency, Demand Response, Distributed Generation, Metering and Other Grid-Related Technologies – For the Residential, Commercial, Industrial and Agriculture Sectors | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,306,185             | \$1,306,185                | \$271,750     | \$442,698                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 6/30/2016            | 3/31/2020          | Ended                       |
| GFO-15-313     | EPC-15-089               | 1                                                         | Electric Power Research Institute, Inc.                                       | Expanding Standards and Developing Tools to Enable DNP3 Support of Energy Storage Use Cases     | S7                    | S7: Develop Operational Tools, Models, and Simulations to Improve Grid Resource Planning                                                                  | S7.4                   | S7.4 Develop Interoperability Test Tools and Procedures to Validate New Subsystem Integration into the Grid                                                                                                                                           | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$873,516               | \$873,516                  | \$360,828     | \$187,517                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 6/22/2016            | 3/29/2019          | Completed                   |
| GFO-15-313     | EPC-15-090               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus | Integrated Distributed Energy Resources Management System (iDERMS)                              | S6                    | S6: Develop Technologies, Tools, and Strategies to Enable the Smart Grid of 2020                                                                          | S6.2                   | S6.2 Develop Controls and Equipment to Expand Distribution Automation Capabilities.                                                                                                                                                                   | 2012-2014 EPIC Program 1st Investment Plan | Applied Research and Development        | \$1,119,437             | \$1,119,437                | \$530,392     | \$97,356                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 6/22/2016            | 1/31/2020          | Ended                       |
| GFO-15-317     | EPC-15-091               | 1                                                         | Electric Power Research Institute, Inc.                                       | Energy Efficiency and Water Savings in Agriculture by Innovative Plant-Aware Irrigation System  | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies | S12.2                  | S12.2 Demonstrate Integrated Demand Side Management Programs – Using Emerging Efficiency, Demand Response, Distributed Generation, Metering and Other Grid-Related Technologies – For the Residential, Commercial, Industrial and Agriculture Sectors | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,097,990             | \$1,097,990                | \$331,000     | \$220,794                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 6/30/2016            | 12/30/2019         | Completed                   |
| GFO-15-317     | EPC-15-092               | 1                                                         | Tomorrow Water dba BKT United                                                 | Low Energy Biofiltration System with Low Backwash Rate for Groundwater Contaminant Removal      | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies | S12.2                  | S12.2 Demonstrate Integrated Demand Side Management Programs – Using Emerging Efficiency, Demand Response, Distributed Generation, Metering and Other Grid-Related Technologies – For the Residential, Commercial, Industrial and Agriculture Sectors | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,722,072             | \$1,722,072                | \$417,497     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Minority Owned                              | 6/14/2016             | 6/30/2016            | 3/31/2020          | Completed                   |
| GFO-15-317     | EPC-15-093               | 1                                                         | Water Energy Innovations, Inc.                                                | Accelerating Drought Resilience Through Innovative Technologies                                 | S20                   | S20: Accelerate the Deployment of Energy Technologies in IOU Territories Through Innovative Local Planning and Permitting Approaches.                     | S20.1                  | S20.1 Develop Innovative Approaches to Integrate Utility and Local Government Planning for                                                                                                                                                            | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$5,000       | \$178,824                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity,                             | 6/14/2016             | 7/13/2016            | 10/31/2018         | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                                  | Project Title                                                                                                                                                          | Strategic Objective # | Strategic Objective                                                                                                                                                                              | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                               | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                                        |                                                                                                                                                                        |                       |                                                                                                                                                                                                  |                        | Emerging Technology Deployment.                                                                                                                                                                                                                                    |                                            |                                         |                         |                            |               |                                           |                   |                          |                                                  | Minority Owned, Woman Own                                            |                       |                      |                    |                             |
| GFO-15-308     | EPC-15-094               | 1                                                         | Electric Power Research Institute, Inc.                                                | Demonstration of Affordable, Comfortable, Grid Integrated Zero Net Energy Communities                                                                                  | S14                   | S14: Demonstrate the Reliable Integration of Energy Efficient Demand-side Resources, Distributed Clean Energy Generation, and Smart Grid Components to Enable Energy Smart Community Development | S14.1                  | S14.1 Demonstrate Zero-Net Energy Buildings and Communities                                                                                                                                                                                                        | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$3,207,432             | \$4,942,809                | \$1,109,482   | \$1,460,838                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 6/15/2016            | 3/30/2023          | Ended                       |
| GFO-15-308     | EPC-15-094               | 1                                                         | Electric Power Research Institute, Inc.                                                | Demonstration of Affordable, Comfortable, Grid Integrated Zero Net Energy Communities                                                                                  | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings.                                                  | S12.2                  | S12.2 Demonstrate Large-Scale Deployment of Integrated Demand-Side Management and Demand Response Programs in Buildings.                                                                                                                                           | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$1,735,377             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 6/15/2016            | 3/30/2023          | Ended                       |
| GFO-15-317     | EPC-15-096               | 1                                                         | American Water Works Company, Inc.                                                     | Demonstrating Innovative Leakage Reduction Strategies: Correlating Continuous Acoustic Monitoring, Satellite Imagery and Flow Sensitive Pressure Reducing Valve System | S12                   | S12: Demonstrate and Evaluate the Technical and Economic Performance of Emerging Energy Efficiency and Demand-Side Management Technologies and Strategies                                        | S12.2                  | S12.2 Demonstrate Integrated Demand Side Management Programs – Using Emerging Efficiency, Demand Response, Distributed Generation, Metering and Other Grid-Related Technologies – For the Residential, Commercial, Industrial and Agriculture Sectors              | 2012-2014 EPIC Program 1st Investment Plan | Technology Demonstration and Deployment | \$1,517,780             | \$1,517,780                | \$391,461     | \$222,664                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 6/14/2016             | 6/30/2016            | 3/30/2020          | Ended                       |
| GFO-15-308     | EPC-15-097               | 1                                                         | Franklin Energy Services, LLC                                                          | Achieving Zero Net Energy in Multi-family Buildings                                                                                                                    | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                                                  | S1.2                   | S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.                                                                                                                                                                  | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,955,811             | \$1,955,811                | \$290,090     | \$180,555                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2016             | 7/1/2016             | 3/30/2021          | Ended                       |
| GFO-15-308     | EPC-16-001               | 1                                                         | Institute of Gas Technology dba GTI Energy                                             | Measure Results from Affordable Zero Net Energy Homes                                                                                                                  | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                                                  | S1.1; S1.2             | S1.1 Advance Efficient Solutions for Lower Energy Buildings.; S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$168,500     | \$325,815                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/13/2016             | 7/30/2016            | 6/30/2023          | Completed                   |
| GFO-15-308     | EPC-16-002               | 1                                                         | Lawrence Berkeley National Laboratory                                                  | Pathways to More Cost-Effective ZNE Homes                                                                                                                              | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                                                  | S1.1; S1.2             | S1.1 Advance Efficient Solutions for Lower Energy Buildings.; S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$50,000      | \$436,541                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/13/2016             | 9/1/2016             | 6/30/2019          | Completed                   |
| GFO-15-308     | EPC-16-003               | 1                                                         | Regents of the University of California, Davis - California Lighting Technology Center | Pilot-Scale Evaluation of an Integrated Building Control Retrofit Package                                                                                              | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                                                  | S1.1; S1.2; S1.4       | S1.1 Advance Efficient Solutions for Lower Energy Buildings.; S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.; S1.4 Develop and Evaluate Strategies to Improve Indoor Air Quality in Energy-Efficient Buildings. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,999,089             | \$1,999,089                | \$267,363     | \$349,266                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/13/2016             | 7/18/2016            | 3/31/2021          | Completed                   |
| GFO-15-308     | EPC-16-004               | 1                                                         | Lawrence Berkeley National Laboratory                                                  | Integrated Whole-Building Zero Net Energy Retrofits for Small Commercial Offices                                                                                       | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                                                  | S1.1; S1.2             | S1.1 Advance Efficient Solutions for Lower Energy Buildings.; S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,000,000             | \$2,000,000                | \$2,000,000   | \$781,092                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/13/2016             | 7/30/2016            | 3/31/2023          | Completed                   |
| GFO-15-308     | EPC-16-005               | 1                                                         | Regents of the University of California, Davis                                         | Energy Efficient HVAC Packages for Existing Residential Buildings                                                                                                      | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                                                  | S1.1                   | S1.1 Advance Efficient Solutions for Lower Energy Buildings.                                                                                                                                                                                                       | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,200,000             | \$1,200,000                | \$0           | \$366,421                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/13/2016             | 8/1/2016             | 3/31/2021          | Completed                   |
| GFO-15-317     | EPC-16-006               | 1                                                         | ES Engineering Services, LLC                                                           | Low Energy, Zero Liquid Discharge Adsorption Technology to Remove Contaminants and Recover Source Water                                                                | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                                                  | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$986,262               | \$986,262                  | \$194,904     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/13/2016             | 7/28/2016            | 3/23/2020          | Ended                       |
| GFO-15-308     | EPC-16-007               | 1                                                         | Regents of the University of California, Davis                                         | Optimization of Energy Efficiency to Achieve Zero-Net Energy in Multifamily and Commercial Buildings                                                                   | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                                                  | S1.2                   | S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.                                                                                                                                                                  | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$105,000     | \$151,821                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/13/2016             | 8/1/2016             | 3/30/2022          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                                            | Strategic Objective # | Strategic Objective                                                                                                                             | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                               | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-15-312     | EPC-16-008               | 1                                                         | City of Santa Monica                                                         | Santa Monica Advanced Energy District                                                                                    | S20                   | S20: Accelerate the Deployment of Energy Technologies in IOU Territories Through Innovative Local Planning and Permitting Approaches.           | S20.1                  | S20.1 Develop Innovative Approaches to Integrate Utility and Local Government Planning for Emerging Technology Deployment.                                                                                                                                                                                         | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation                     | \$1,487,609             | \$1,487,609                | \$253,030     | \$570,347                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2016             | 9/15/2016            | 12/31/2018         | Completed                   |
| GFO-15-317     | EPC-16-009               | 1                                                         | Porifera, Inc.                                                               | Testing a Low-Energy Water Treatment System for Fail-Safe Direct Potable Reuse                                           | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.5; S1.6             | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.; S1.6 Advance Strategies to Reduce California Buildings' Impact on the Water-Energy Nexus.                                                                          | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$999,795               | \$999,795                  | \$144,784     | \$248,634                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2016             | 8/31/2016            | 8/30/2019          | Ended                       |
| GFO-15-317     | EPC-16-010               | 1                                                         | Regents of the University of California, Davis                               | Improving Water and Energy Efficiency in California's Dairy Industry                                                     | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.6                   | S1.6 Advance Strategies to Reduce California Buildings' Impact on the Water-Energy Nexus.                                                                                                                                                                                                                          | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$164,710     | \$191,936                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2016             | 10/1/2016            | 3/31/2021          | Completed                   |
| GFO-15-317     | EPC-16-011               | 1                                                         | Kennedy/Jenks Consultants                                                    | Novel Membrane Technology to Improve Energy Efficiency and Water Savings in Wastewater Treatment Operations              | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.5; S1.6             | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.; S1.6 Advance Strategies to Reduce California Buildings' Impact on the Water-Energy Nexus.                                                                          | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$882,430               | \$882,430                  | \$98,600      | \$304,611                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2016             | 9/1/2016             | 4/30/2019          | Ended                       |
| GFO-15-317     | EPC-16-012               | 1                                                         | Altex Technologies Corporation                                               | Power and Water Saving Advanced Hybrid Air/Wet Cooling System                                                            | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.1; S1.6             | S1.1 Advance Efficient Solutions for Lower Energy Buildings.; S1.6 Advance Strategies to Reduce California Buildings' Impact on the Water-Energy Nexus.                                                                                                                                                            | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$999,994               | \$999,994                  | \$187,207     | \$529,685                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2016             | 9/12/2016            | 9/30/2019          | Completed                   |
| GFO-15-308     | EPC-16-013               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | Integrating Smart Ceiling Fans and Communicating Thermostats to Provide Energy-Efficient Comfort                         | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.2                   | S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.                                                                                                                                                                                                                  | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,888,683             | \$1,888,683                | \$315,926     | \$188,176                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2016             | 9/8/2016             | 3/30/2020          | Ended                       |
| GFO-15-317     | EPC-16-014               | 1                                                         | Lawrence Livermore National Laboratory                                       | A New Solution to California's Energy and Water Challenges: Reducing the Cost of Desalination and Increasing Water Reuse | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$999,040               | \$999,040                  | \$0           | \$448,176                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2016             | 9/1/2016             | 12/31/2021         | Ended                       |
| GFO-15-321     | EPC-16-015               | 1                                                         | Los Angeles Cleantech Incubator                                              | Los Angeles Regional Energy Innovation Cluster                                                                           | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                               | S18.1; S18.2; S18.3    | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.; S18.2 Integrate Market Insight into the Selection and Management of EPIC Funded Technologies and Strategies.; S18.3 Provide Support for Entrepreneurs to Test, Verify, and Certify Their Innovations. | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation                     | \$4,999,247             | \$9,998,494                | \$3,658,099   | \$541,645                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2016             | 8/17/2016            | 3/31/2026          | Active (Open)               |
| GFO-15-321     | EPC-16-015               | 1                                                         | Los Angeles Cleantech Incubator                                              | Los Angeles Regional Energy Innovation Cluster                                                                           | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                                            | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                                                                                                                                                                                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$4,999,247             |                            |               |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2016             | 8/17/2016            | 3/31/2026          | Active (Open)               |
| PON-14-308     | EPC-16-016               | 1                                                         | Hyperlight Energy                                                            | Commercializing a Disruptively Low Cost Solar Collector                                                                  | S11                   | S11: Provide Federal Cost Share for Applied Research Awards.                                                                                    | S11.1                  | S11.1 Provide Federal Cost Share for Applied Research Awards.                                                                                                                                                                                                                                                      | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$750,000               | \$750,000                  | \$0           | \$177,896                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 10/19/2016            | 10/14/2016           | 3/31/2019          | Completed                   |
| GFO-15-323     | EPC-16-017               | 1                                                         | Silicon Valley Clean Water                                                   | Maximizing Energy Efficiency and Reducing Bio-solids Waste from New Anaerobic Wastewater Treatment Technology            | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                                                                                                                                                            | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$1,999,962             | \$1,999,962                | \$1,219,943   | \$327,386                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 10/19/2016            | 11/10/2016           | 3/15/2022          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                         | Project Title                                                                                                                     | Strategic Objective # | Strategic Objective                                                                                                                                            | Strategic Initiative # | Strategic Initiative                                                                                                                           | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-15-323     | EPC-16-018               | 1                                                         | BDP Technologies                                                              | Biological Double-Efficiency Process as an Advanced Wastewater Treatment Method to Achieve Substantial Energy and Water Savings   | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings.                | S12.2                  | S12.2 Demonstrate Large-Scale Deployment of Integrated Demand-Side Management and Demand Response Programs in Buildings.                       | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$1,565,400             | \$1,565,400                | \$330,904     | \$15,486                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/9/2016             | 11/21/2016           | 6/30/2024          | Ended                       |
| GFO-16-301     | EPC-16-019               | 1                                                         | Regents of the University of California, Davis                                | 21st Century Solutions for 20th Century Wind Projects                                                                             | S4                    | S4: Improve Power Plant Performance, Reduce Cost, and Accelerate Market Acceptance of Existing and Emerging Utility-Scale Renewable Energy Generation Systems. | S4.4                   | S4.4 Upgrade California's Aging Wind Turbines: Design, Cost, and Development Improvements That Meet Local Needs.                               | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$810,438               | \$810,438                  | \$124,916     | \$322,793                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/8/2017              | 2/13/2017            | 5/30/2019          | Completed                   |
| GFO-16-301     | EPC-16-020               | 1                                                         | SRI International                                                             | Recovery of Lithium from Geothermal Brines                                                                                        | S4                    | S4: Improve Power Plant Performance, Reduce Cost, and Accelerate Market Acceptance of Existing and Emerging Utility-Scale Renewable Energy Generation Systems. | S4.3                   | S4.3 Develop Advanced Technologies and Strategies to Improve the Cost-Effectiveness of Geothermal Energy Production.                           | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$873,387               | \$873,387                  | \$0           | \$452,445                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/14/2016            | 1/16/2017            | 8/12/2019          | Completed                   |
| GFO-16-301     | EPC-16-021               | 1                                                         | Lawrence Berkeley National Laboratory                                         | High-Resolution Imaging of Geothermal Flow Paths Using a Cost Effective Dense Seismic Network                                     | S4                    | S4: Improve Power Plant Performance, Reduce Cost, and Accelerate Market Acceptance of Existing and Emerging Utility-Scale Renewable Energy Generation Systems. | S4.3                   | S4.3 Develop Advanced Technologies and Strategies to Improve the Cost-Effectiveness of Geothermal Energy Production.                           | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,672,639             | \$1,672,639                | \$50,000      | \$678,255                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/14/2016            | 2/13/2017            | 12/31/2020         | Completed                   |
| GFO-16-301     | EPC-16-022               | 1                                                         | Lawrence Berkeley National Laboratory                                         | Comprehensive Physical-Chemical Modeling to Reduce Risks and Costs of Flexible Geothermal Energy Production                       | S4                    | S4: Improve Power Plant Performance, Reduce Cost, and Accelerate Market Acceptance of Existing and Emerging Utility-Scale Renewable Energy Generation Systems. | S4.3                   | S4.3 Develop Advanced Technologies and Strategies to Improve the Cost-Effectiveness of Geothermal Energy Production.                           | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$999,032               | \$999,032                  | \$0           | \$480,995                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/14/2016            | 2/13/2017            | 12/31/2021         | Completed                   |
| GFO-16-301     | EPC-16-024               | 1                                                         | San Gabriel Valley Water Company                                              | San Gabriel Valley Water Company "Plug and Play" In-Conduit Hydropower Development Project (SGVWC Project)                        | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                          | S3.3                   | S3.3 Generate Electricity While Moving Water: Developing Solutions to Expand California's Use of In-Conduit Hydrokinetic Power.                | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$500,000               | \$500,000                  | \$782,000     | \$13,082                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/25/2017             | 3/1/2017             | 12/31/2019         | Completed                   |
| GFO-16-301     | EPC-16-025               | 1                                                         | Stantec Consulting Services Inc.                                              | Comprehensive Assessment, Tools and Resources for Advancing In-Conduit Hydropower in California                                   | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                          | S3.3                   | S3.3 Generate Electricity While Moving Water: Developing Solutions to Expand California's Use of In-Conduit Hydrokinetic Power.                | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$400,000               | \$400,000                  | \$83,018      | \$121,338                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/25/2017             | 2/13/2017            | 10/31/2019         | Completed                   |
| GFO-16-305     | EPC-16-026               | 1                                                         | Electric Power Research Institute, Inc.                                       | Develop and Pilot Test Flexible Demand Response Control Strategies for Water Pumping Stations and Industrial Refrigeration Plants | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$465,000     | \$888,920                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 6/15/2017            | 3/31/2022          | Ended                       |
| GFO-16-305     | EPC-16-027               | 1                                                         | Irrigation for the Future, Inc.                                               | Facilitating On-farm Participation in Energy Demand Management Programs                                                           | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,588,872             | \$1,588,872                | \$126,663     | \$153,035                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/8/2017              | 4/3/2017             | 3/31/2022          | Ended                       |
| GFO-16-305     | EPC-16-028               | 1                                                         | Advanced Microgrid Solutions, Inc.                                            | Irvine Ranch Water District Load Shifting and Demand Response Pilot Project                                                       | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,403,465             | \$1,403,465                | \$760,427     | \$832,615                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Woman Own                                   | 3/8/2017              | 4/7/2017             | 12/31/2020         | Ended                       |
| GFO-16-305     | EPC-16-029               | 1                                                         | Antelope Valley Water Storage, LLC                                            | Water/Energy Bank Proof-of-Concept                                                                                                | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$225,000     | \$150,000                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/8/2017              | 4/13/2017            | 7/31/2019          | Completed                   |
| GFO-16-305     | EPC-16-030               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus | Enabling Energy Efficient Data Centers in Smart Power Distribution Systems                                                        | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                                | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,783,118             | \$1,783,118                | \$297,064     | \$306,631                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/8/2017              | 4/8/2017             | 6/30/2021          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                      | Project Title                                                                                                                           | Strategic Objective # | Strategic Objective                                                                                                                                  | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                              | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
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| PON-14-308     | EPC-16-031               | 1                                                         | SLAC National Accelerator Laboratory                                       | VOLTTRON Testing Tool Kit                                                                                                               | S11                   | S11: Provide Federal Cost Share for Applied Research Awards.                                                                                         | S11.1                  | S11.1 Provide Federal Cost Share for Applied Research Awards.                                                                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$70,000                | \$70,000                   | \$0           | \$28,501                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/8/2017              | 3/31/2017            | 3/29/2019          | Ended                       |
| GFO-16-304     | EPC-16-032               | 1                                                         | New Buildings Institute, Inc.                                              | Leading in Los Angeles: Demonstrating Scalable Emerging Energy Efficient Technologies for Integrated Facade, Lighting and Plug Loads    | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings.      | S12.2                  | S12.2 Demonstrate Large-Scale Deployment of Integrated Demand-Side Management and Demand Response Programs in Buildings.                                                                                                                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$4,981,000             | \$4,981,000                | \$1,725,500   | \$1,767,847                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/8/2017              | 5/15/2017            | 6/30/2021          | Ended                       |
| GFO-16-304     | EPC-16-033               | 1                                                         | California State University, Long Beach Research Foundation                | Internet of Things and Ubiquitous Sensing in University Building Energy Management: Design Optimization and Technology Demonstration    | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings.      | S12.1; S12.2           | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.; S12.2 Demonstrate Large-Scale Deployment of Integrated Demand-Side Management and Demand Response Programs in Buildings. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$2,509,946             | \$2,509,946                | \$1,072,958   | \$78,271                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/8/2017              | 4/30/2017            | 5/31/2021          | Ended                       |
| GFO-16-304     | EPC-16-034               | 1                                                         | Zero Net Energy (ZNE) Alliance                                             | Automated Cloud-Based Continuously Optimizing Building Energy Management System                                                         | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings.      | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                                                                                                                           | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$2,500,000             | \$2,500,000                | \$1,184,891   | \$552,488                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/8/2017              | 4/1/2017             | 1/3/2022           | Ended                       |
| PON-14-308     | EPC-16-035               | 1                                                         | Sunpreme, Inc.                                                             | High-Performance Cu-Plating for Heterojunction Silicon Cells, Based on Ultra-Low-Cost Printed Circuit Board (PCB) Technology (Stage II) | S11                   | S11: Provide Federal Cost Share for Applied Research Awards.                                                                                         | S11.1                  | S11.1 Provide Federal Cost Share for Applied Research Awards.                                                                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,430,000             | \$2,430,000                | \$0           | \$730,620                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 4/12/2017            | 12/31/2019         | Completed                   |
| GFO-16-302     | EPC-16-036               | 1                                                         | AltaRock Energy, Inc.                                                      | Thermoelectric Generator Application and Pilot Test in a Geothermal Field                                                               | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                | S3.4                   | S3.4 Advance Breakthroughs in Renewable Energy Technologies to Dramatically Increase Efficiencies Reduce Costs, and Enable Additional Renewable Resources.                                                                                                                        | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,280,000             | \$1,280,000                | \$118,095     | \$310,473                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 4/12/2017             | 5/15/2017            | 12/31/2021         | Completed                   |
| GFO-16-301     | EPC-16-037               | 1                                                         | Amador Water Agency                                                        | The Amador Water Agency In-Conduit Hydropower Development Project (AWA Project)                                                         | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                | S3.3                   | S3.3 Generate Electricity While Moving Water: Developing Solutions to Expand California's Use of In-Conduit Hydrokinetic Power.                                                                                                                                                   | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$750,000               | \$750,000                  | \$1,115,000   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/15/2017            | 3/31/2022          | Completed                   |
| GFO-16-306     | EPC-16-038               | 1                                                         | Regents of the University of California, Davis                             | Use of Indoor Rearing for Head-Starting Desert Tortoises                                                                                | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.2                   | S5.2 Develop Environmental Tools and Information for Future Renewable Energy Conservation Plans.                                                                                                                                                                                  | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$493,089               | \$493,089                  | \$61,119      | \$106,461                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/8/2017             | 3/31/2021          | Completed                   |
| GFO-16-306     | EPC-16-039               | 1                                                         | The Regents of the University of California on behalf of the Irvine Campus | A Life Cycle Assessment of the Environmental and Human Health Impacts of Emerging Energy Storage Technology Deployment                  | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.2                   | S5.2 Develop Environmental Tools and Information for Future Renewable Energy Conservation Plans.                                                                                                                                                                                  | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$600,000               | \$600,000                  | \$186,219     | \$98,142                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/8/2017             | 8/31/2020          | Completed                   |
| GFO-16-306     | EPC-16-040               | 1                                                         | Regents of the University of California, Davis                             | Assessing Cooling Tower PM2.5 and PM10 Emissions using Advanced Instrumentation, Plume Transects, and Plume Modeling                    | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.3                   | S5.3 Improve Science for Water Management in Power Generation: Hydropower Forecasting and Alternative Sources of Cooling Water                                                                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$700,000               | \$700,000                  | \$0           | \$108,004                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 6/8/2017             | 3/31/2021          | Completed                   |
| GFO-16-306     | EPC-16-041               | 1                                                         | Lawrence Berkeley National Laboratory                                      | Benefits and Challenges in Deployment of Low GWP A3 Refrigerants in Residential and Commercial Cooling Equipment                        | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.1                   | S1.1 Advance Efficient Solutions for Lower Energy Buildings.                                                                                                                                                                                                                      | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$500,000               | \$500,000                  | \$500,000     | \$221,625                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/8/2017             | 8/31/2021          | Ended                       |
| GFO-16-302     | EPC-16-042               | 1                                                         | Lawrence Berkeley National Laboratory                                      | Low-Cost High-Reliability Thermoelectrics for Waste Heat Conversion                                                                     | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                | S3.4                   | S3.4 Advance Breakthroughs in Renewable Energy Technologies to Dramatically Increase Efficiencies Reduce Costs, and Enable Additional Renewable Resources.                                                                                                                        | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,000,000             | \$2,000,000                | \$516,502     | \$734,342                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/15/2017            | 3/31/2023          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                               | Project Title                                                                                                                               | Strategic Objective # | Strategic Objective                                                                                                                                  | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                                               | Investment Plan Program Period             | Program Area                     | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-16-301     | EPC-16-043               | 1                                                         | Natel Energy                                        | Cost-Effective and Climate Resilient In-Conduit Hydropower and Civil Works Innovation                                                       | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                | S3.3                   | S3.3 Generate Electricity While Moving Water: Developing Solutions to Expand California's Use of In-Conduit Hydrokinetic Power.                                                                                                                                                                                                                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$97,010                | \$97,010                   | \$954,715     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 4/12/2017            | 3/30/2020          | Terminated                  |
| GFO-16-305     | EPC-16-044               | 1                                                         | Terzo Power Systems, LLC.                           | Hyper Efficient Pump Motor Unit with Fully Integrated Permanent Magnet Motor and Motor Controls with Combined Liquid Cooling                | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                                                                                                                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$2,311,050             | \$2,311,050                | \$145,689     | \$99,350                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/1/2017             | 12/31/2020         | Completed                   |
| GFO-16-305     | EPC-16-045               | 1                                                         | Polaris Energy Services Inc.                        | Development of New Technologies for Agricultural Loads to Participate in Renewables Integration, RTP Programs, and/or New Time of Use Rates | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                                                                                                                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$2,884,912             | \$2,884,912                | \$649,485     | \$415,408                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/1/2017             | 12/31/2020         | Completed                   |
| GFO-16-305     | EPC-16-046               | 1                                                         | Institute of Gas Technology dba GTI Energy          | Pilot Testing of Isothermal Compression                                                                                                     | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                                                                                                                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$2,570,946             | \$2,570,946                | \$238,700     | \$628,022                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 4/12/2017            | 3/31/2022          | Completed                   |
| GFO-16-306     | EPC-16-047               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation     | California Biopower Impact Project                                                                                                          | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.2                   | S5.2 Develop Environmental Tools and Information for Future Renewable Energy Conservation Plans.                                                                                                                                                                                                                                                                                                                                   | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$1,000,000             | \$1,000,000                | \$131,575     | \$247,784                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/10/2017            | 7/30/2021          | Completed                   |
| GFO-16-305     | EPC-16-048               | 1                                                         | Electric Power Research Institute, Inc.             | Development and Testing of an Energy Efficient Ultra-low Charge Ammonia Refrigeration System in a Food Processing Plant                     | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                                                                                                                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$2,406,054             | \$2,406,054                | \$605,000     | \$804,238                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 6/5/2017             | 12/30/2022         | Ended                       |
| GFO-16-302     | EPC-16-049               | 1                                                         | The Regents of the University of California, Merced | Ultra-High Power Density Roadway Piezoelectric Energy Harvesting System                                                                     | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                | S3.4                   | S3.4 Advance Breakthroughs in Renewable Energy Technologies to Dramatically Increase Efficiencies Reduce Costs, and Enable Additional Renewable Resources.                                                                                                                                                                                                                                                                         | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$1,270,000             | \$1,270,000                | \$0           | \$310,100                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/15/2017            | 12/31/2021         | Completed                   |
| GFO-16-302     | EPC-16-050               | 1                                                         | The Regents of California, San Diego                | Scaling Reliable, Next-Generation Perovskite Solar Cell Modules                                                                             | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                | S3.2; S3.4; S3.5       | S3.2 Develop Integrated and Hybrid Photovoltaic Technologies and Strategies to Reduce Costs and Advance Zero-Net Energy Buildings.; S3.4 Advance Breakthroughs in Renewable Energy Technologies to Dramatically Increase Efficiencies Reduce Costs, and Enable Additional Renewable Resources.; S3.5 Develop Piezoelectric-Based Systems for Harvesting Energy to Maximize Efficient Use of Emerging Energy Sources in California. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$1,450,000             | \$1,450,000                | \$146,050     | \$184,540                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/16/2017             | 5/15/2017            | 1/31/2022          | Completed                   |
| GFO-16-305     | EPC-16-051               | 1                                                         | AgMonitor Inc.                                      | Increased Energy Efficiency via Programmable Irrigation and Fertigation                                                                     | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                                                                                                                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$2,992,660             | \$2,992,660                | \$350,547     | \$341,285                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity                              | 4/12/2017             | 4/12/2017            | 12/31/2020         | Ended                       |
| GFO-16-302     | EPC-16-052               | 1                                                         | Pyro-E, LLC                                         | Force Multiplier Actuated Piezoelectric Energy Harvester for Roadway Energy Recovery                                                        | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                | S3.5                   | S3.5 Develop Piezoelectric-Based Systems for Harvesting Energy to Maximize Efficient Use of Emerging Energy Sources in California.                                                                                                                                                                                                                                                                                                 | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development | \$1,000,000             | \$1,000,000                | \$100,007     | \$234,596                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2017             | 5/15/2017            | 12/31/2021         | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                                             | Project Title                                                                                                                                  | Strategic Objective # | Strategic Objective                                                                                                                                  | Strategic Initiative # | Strategic Initiative                                                                                                                           | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-16-306     | EPC-16-053               | 1                                                         | Zoological Society of San Diego dba San Diego Zoo Wildlife Alliance                               | Habitat Influences on Desert Tortoise Translocation Success                                                                                    | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.2                   | S5.2 Develop Environmental Tools and Information for Future Renewable Energy Conservation Plans.                                               | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$499,605               | \$499,605                  | \$390,528     | \$32,237                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/27/2017             | 6/1/2017             | 3/31/2022          | Completed                   |
| GFO-16-303     | EPC-16-054               | 1                                                         | Electric Power Research Institute, Inc.                                                           | Open Vehicle to Building/Microgrid Integration Enabling ZNE and Improved Distribution Grid Services                                            | S9                    | S9: Advance Electric Vehicle Infrastructure to Provide Electricity System Benefits.                                                                  | S9.2                   | S9.2 Advance Vehicle-Grid Integration Technologies and Methods for Broader Use and Benefit for Residential, Private, and Public Users.         | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$2,341,001   | \$540,024                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/27/2017             | 6/30/2017            | 9/30/2021          | Completed                   |
| GFO-16-303     | EPC-16-055               | 1                                                         | Zeco Systems, Inc. dba Greenlots                                                                  | Improving Commercial Viability of Fast Charging by Providing Renewable Integration and Grid Services with Integrated Multiple DC Fast Chargers | S9                    | S9: Advance Electric Vehicle Infrastructure to Provide Electricity System Benefits.                                                                  | S9.1                   | S9.1 Advance Electric Vehicle Charging to Increase Renewable Energy Levels and Improve Grid Reliability.                                       | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$826,250               | \$826,250                  | \$302,008     | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/27/2017             | 6/30/2017            | 9/30/2021          | Completed                   |
| PON-14-308     | EPC-16-056               | 1                                                         | Lawrence Berkeley National Laboratory                                                             | Open Building Control-Performance Evolution, Specification and Verification of Building Control Sequences                                      | S11                   | S11: Provide Federal Cost Share for Applied Research Awards.                                                                                         | S11.1                  | S11.1 Provide Federal Cost Share for Applied Research Awards.                                                                                  | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$0           | \$473,633                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 6/10/2017            | 12/30/2020         | Completed                   |
| GFO-16-303     | EPC-16-057               | 1                                                         | Board of Trustees of the Leland Stanford Junior University (SLAC National Accelerator Laboratory) | Development of Smart Charging Infrastructure Planning Tool (SCRIPT)                                                                            | S9                    | S9: Advance Electric Vehicle Infrastructure to Provide Electricity System Benefits.                                                                  | S9.1                   | S9.1 Advance Electric Vehicle Charging to Increase Renewable Energy Levels and Improve Grid Reliability.                                       | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$94,153      | \$328,945                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 6/30/2017            | 11/30/2020         | Ended                       |
| GFO-16-303     | EPC-16-058               | 1                                                         | Prospect Silicon Valley                                                                           | Advanced Transit Bus VGI Project                                                                                                               | S16                   | S16: Expand Smart Charging and Vehicle-to-Grid Power Transfer for Electric Vehicles.                                                                 | S16.1                  | S16.1 Demonstrate the Ability of Electric Vehicles To Provide Advanced Grid Services.                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$1,899,199             | \$1,675,417                | \$1,064,569   | \$412,909                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 5/15/2017            | 6/30/2021          | Completed                   |
| GFO-16-303     | EPC-16-058               | 1                                                         | Prospect Silicon Valley                                                                           | Advanced Transit Bus VGI Project                                                                                                               | S16                   | S16: Expand Smart Charging and Vehicle-to-Grid Power Transfer for Electric Vehicles.                                                                 | S16.1                  | S16.1 Demonstrate the Ability of Electric Vehicles To Provide Advanced Grid Services.                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | -\$223,782              |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 5/15/2017            | 6/30/2021          | Completed                   |
| GFO-16-303     | EPC-16-059               | 1                                                         | Lawrence Berkeley National Laboratory                                                             | Advanced VGI Control to Maximize Battery Life and Use of Second-Life Batteries to Increase Grid Service and Renewable Power Penetration        | S9                    | S9: Advance Electric Vehicle Infrastructure to Provide Electricity System Benefits.                                                                  | S9.2                   | S9.2 Advance Vehicle-Grid Integration Technologies and Methods for Broader Use and Benefit for Residential, Private, and Public Users.         | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,500,000             | \$2,500,000                | \$0           | \$407,071                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 6/16/2017            | 3/31/2027          | Active (Open)               |
| GFO-16-303     | EPC-16-059               | 1                                                         | Lawrence Berkeley National Laboratory                                                             | Advanced VGI Control to Maximize Battery Life and Use of Second-Life Batteries to Increase Grid Service and Renewable Power Penetration        | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                                           | S3.2                   | 3.2 Transportation Electrification                                                                                                             | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$1,000,000             |                            |               |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 6/16/2017            | 3/31/2027          | Active (Open)               |
| GFO-16-303     | EPC-16-061               | 1                                                         | Nuvve Holding Corp.                                                                               | Intelligent Electric Vehicle Integration (INVENT)                                                                                              | S16                   | S16: Expand Smart Charging and Vehicle-to-Grid Power Transfer for Electric Vehicles.                                                                 | S16.1                  | S16.1 Demonstrate the Ability of Electric Vehicles To Provide Advanced Grid Services.                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$4,200,000             | \$3,967,165                | \$3,697,744   | \$212,026                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2017             | 7/3/2017             | 6/30/2021          | Completed                   |
| GFO-16-303     | EPC-16-061               | 1                                                         | Nuvve Holding Corp.                                                                               | Intelligent Electric Vehicle Integration (INVENT)                                                                                              | S16                   | S16: Expand Smart Charging and Vehicle-to-Grid Power Transfer for Electric Vehicles.                                                                 | S16.1                  | S16.1 Demonstrate the Ability of Electric Vehicles To Provide Advanced Grid Services.                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | -\$232,835              |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2017             | 7/3/2017             | 6/30/2021          | Completed                   |
| GFO-16-305     | EPC-16-062               | 1                                                         | Regents of the University of California, Davis                                                    | Advancing Demand Response in the Water Sector                                                                                                  | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,984,983             | \$2,984,983                | \$90,865      | \$295,427                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 6/5/2017             | 3/31/2022          | Ended                       |
| GFO-16-306     | EPC-16-063               | 1                                                         | The Regents of California, San Diego                                                              | Advanced Statistical-Dynamical Downscaling Methods and Products for California Electricity System Climate Planning                             | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.4                   | S5.4 Provide Tools and Information for Regional Climate Change Adaptation Measures for the Electricity Sector.                                 | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,399,888             | \$1,399,888                | \$0           | \$192,928                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/27/2017             | 6/30/2017            | 8/30/2021          | Completed                   |
| GFO-16-306     | EPC-16-064               | 1                                                         | U.S. Geological Survey                                                                            | Investigating Avian Attraction to Solar Energy Facilities Through a Lake Effect                                                                | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.2                   | S5.2 Develop Environmental Tools and Information for Future Renewable Energy Conservation Plans.                                               | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$499,785               | \$499,785                  | \$739,757     | \$200,240                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 6/8/2017             | 3/31/2022          | Completed                   |
| GFO-16-303     | EPC-16-065               | 1                                                         | Zero Net Energy (ZNE) Alliance                                                                    | California E-Bus to Grid Integration Project                                                                                                   | S16                   | S16: Expand Smart Charging and Vehicle-to-Grid Power Transfer for Electric Vehicles.                                                                 | S16.1                  | S16.1 Demonstrate the Ability of Electric Vehicles To Provide Advanced Grid Services.                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$3,327,953             | \$2,633,670                | \$2,900,097   | \$658,112                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 6/30/2017            | 12/31/2020         | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                         | Project Title                                                                                                                   | Strategic Objective # | Strategic Objective                                                                                                                                                  | Strategic Initiative # | Strategic Initiative                                                                                                                                                                     | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-16-303     | EPC-16-065               | 1                                                         | Zero Net Energy (ZNE) Alliance                                                | California E-Bus to Grid Integration Project                                                                                    | S16                   | S16: Expand Smart Charging and Vehicle-to-Grid Power Transfer for Electric Vehicles.                                                                                 | S16.1                  | S16.1 Demonstrate the Ability of Electric Vehicles To Provide Advanced Grid Services.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | -\$694,283              |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2017             | 6/30/2017            | 12/31/2020         | Completed                   |
| PON-14-308     | EPC-16-067               | 1                                                         | Lawrence Berkeley National Laboratory                                         | Robust Super Insulation at a Competitive Price                                                                                  | S11                   | S11: Provide Federal Cost Share for Applied Research Awards.                                                                                                         | S11.1                  | S11.1 Provide Federal Cost Share for Applied Research Awards.                                                                                                                            | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$100,000               | \$100,000                  | \$0           | \$42,679                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2017             | 6/30/2017            | 12/2/2020          | Completed                   |
| GFO-16-309     | EPC-16-068               | 1                                                         | Electric Power Research Institute, Inc.                                       | Integrated Community-Level Solutions for Resource Management for a Grid and Customer Benefits                                   | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                                | S3.2                   | S3.2 Develop Integrated and Hybrid Photovoltaic Technologies and Strategies to Reduce Costs and Advance Zero-Net Energy Buildings.                                                       | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,976,991             | \$2,976,991                | \$1,030,166   | \$864,761                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2017             | 6/30/2017            | 3/31/2022          | Completed                   |
| GFO-16-309     | EPC-16-070               | 1                                                         | Electric Power Research Institute, Inc.                                       | Integrating Front-of-the-Meter Energy Storage with Smart PV Inverters and Solar Forecasting                                     | S15                   | S15: Demonstrate Advanced Energy Storage Interconnection Systems to Lower Costs, Facilitate Market and Improve Grid Reliability.                                     | S15.1                  | S15.1 Demonstrate Advanced Energy Storage Interconnection Technologies and Systems in Transmission, Distribution, and Customer-Side Applications to Transition to the Commercial Market. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$1,832,770             | \$1,832,770                | \$591,438     | \$604,973                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2017             | 6/30/2017            | 3/31/2027          | Active (Open)               |
| GFO-16-309     | EPC-16-073               | 1                                                         | Natural Capitalism Solutions, dba Clean Coalition                             | Valencia Gardens Energy Storage                                                                                                 | S15                   | S15: Demonstrate Advanced Energy Storage Interconnection Systems to Lower Costs, Facilitate Market and Improve Grid Reliability.                                     | S15.1                  | S15.1 Demonstrate Advanced Energy Storage Interconnection Technologies and Systems in Transmission, Distribution, and Customer-Side Applications to Transition to the Commercial Market. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$1,994,687             | \$1,994,687                | \$620,470     | \$251,310                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2017             | 9/1/2017             | 3/31/2023          | Ended                       |
| GFO-16-309     | EPC-16-077               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus | Solar+ Storage Integrated Energy Management Demonstration in a Supportive Housing Facility                                      | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                                | S3.2                   | S3.2 Develop Integrated and Hybrid Photovoltaic Technologies and Strategies to Reduce Costs and Advance Zero-Net Energy Buildings.                                                       | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,110,657             | \$2,110,657                | \$569,209     | \$291,355                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2017             | 6/30/2017            | 3/31/2027          | Active (Open)               |
| GFO-16-309     | EPC-16-079               | 1                                                         | Electric Power Research Institute, Inc.                                       | Impact Assessment & Secure Implementation of California Rule 21 Phase 3 Smart Inverter Functions to Support High PV Penetration | S6                    | S6: Advance the Use of Smart Inverters as a Tool to Manage Areas with High Penetrations of PV.                                                                       | S6.1                   | S6.1 Develop Smart Inverter Capabilities to Improve Grid Operations.                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,935,822             | \$2,935,822                | \$1,659,077   | \$601,394                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/14/2017             | 6/30/2017            | 9/30/2020          | Completed                   |
| GFO-16-304     | EPC-17-001               | 1                                                         | Taylor Engineering                                                            | Best-in-Class: Demonstrating Scalable Operational Efficiency through Optimized Controls Sequences and Plug-and-Play Solutions   | S12                   | S12: Overcome Barriers to Emerging Energy Scalable Operational Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                                  | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$2,966,716             | \$2,966,716                | \$2,773,750   | \$934,507                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity                              | 7/12/2017             | 7/3/2017             | 12/31/2021         | Completed                   |
| GFO-16-309     | EPC-17-002               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                               | Scaling Solar+ for Small and Medium Commercial Buildings                                                                        | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                                | S3.2                   | S3.2 Develop Integrated and Hybrid Photovoltaic Technologies and Strategies to Reduce Costs and Advance Zero-Net Energy Buildings.                                                       | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$354,959     | \$413,443                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/12/2017             | 7/12/2017            | 12/31/2021         | Completed                   |
| GFO-16-309     | EPC-17-003               | 1                                                         | Clean Power Research, L.L.C.                                                  | Developing a Comprehensive, System-Wide Forecasting to Support High-Penetration Solar                                           | S4                    | S4: Improve Power Plant Performance, Reduce Cost, and Accelerate Market Acceptance of Existing and Emerging Utility-Scale Renewable Energy Generation Systems.       | S4.2                   | S4.2 Develop Innovative Tools and Strategies to Increase Predictability and Reliability of Wind and Solar Energy Generation.                                                             | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$750,000               | \$750,000                  | \$320,000     | \$261,080                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/12/2017             | 7/1/2017             | 6/30/2020          | Completed                   |
| GFO-16-309     | EPC-17-004               | 1                                                         | Energy & Environmental Economics, Inc.                                        | Enhanced Modeling Tools to Maximize Solar + Storage Benefits                                                                    | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                                | S3.2                   | S3.2 Develop Integrated and Hybrid Photovoltaic Technologies and Strategies to Reduce Costs and Advance Zero-Net Energy Buildings.                                                       | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$987,379               | \$987,379                  | \$115,463     | \$457,030                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/12/2017             | 7/31/2017            | 3/31/2020          | Completed                   |
| GFO-16-309     | EPC-17-005               | 1                                                         | Electric Power Research Institute, Inc.                                       | Integrating Building-Scale Solar + Storage Advanced Technologies Maximizing Value to Customer and the Distribution Grid         | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                                | S3.2                   | S3.2 Develop Integrated and Hybrid Photovoltaic Technologies and Strategies to Reduce Costs and Advance Zero-Net Energy Buildings.                                                       | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,491,764             | \$1,491,764                | \$271,090     | \$360,079                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/12/2017             | 7/1/2017             | 12/31/2023         | Ended                       |
| GFO-16-309     | EPC-17-006               | 1                                                         | Electric Power Research Institute, Inc.                                       | Assessing the Ability of Smart Inverters and Smart Consumer Devices to Enable more Residential Solar Energy                     | S4                    | S4: Improve Power Plant Performance, Reduce Cost, and Accelerate Market Acceptance of Existing and Emerging Utility-Scale Renewable Energy Generation Systems.       | S4.2                   | S4.2 Develop Innovative Tools and Strategies to Increase Predictability and Reliability of Wind and Solar Energy Generation.                                                             | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$749,740               | \$749,740                  | \$324,830     | \$365,395                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/12/2017             | 7/1/2017             | 3/31/2021          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                               | Strategic Objective # | Strategic Objective                                                                                                                             | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                              | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-16-309     | EPC-17-007               | 1                                                         | Center for Sustainable Energy                                             | Integrated Community Solar and Storage at a Low-Income Mobile Home Park                     | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                           | S3.2                   | S3.2 Develop Integrated and Hybrid Photovoltaic Technologies and Strategies to Reduce Costs and Advance Zero-Net Energy Buildings.                                                                                                                                                | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$28,528                | \$28,528                   | \$340,905     | \$499,016                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/12/2017             | 7/1/2017             | 12/31/2021         | Terminated                  |
| GFO-16-304     | EPC-17-008               | 1                                                         | Center for Sustainable Energy                                             | Empowering Energy Efficiency in Existing Big-Box Retail/ Grocery Stores                     | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1; S12.2           | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.; S12.2 Demonstrate Large-Scale Deployment of Integrated Demand-Side Management and Demand Response Programs in Buildings. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$2,824,685             | \$2,824,685                | \$759,984     | \$544,329                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/12/2017             | 8/1/2017             | 1/31/2022          | Ended                       |
| GFO-16-304     | EPC-17-009               | 1                                                         | Willdan Energy Solutions                                                  | Bundle-Based Energy Efficiency Technology Solutions for California (BEETS for California)   | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1; S12.2           | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.; S12.2 Demonstrate Large-Scale Deployment of Integrated Demand-Side Management and Demand Response Programs in Buildings. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$3,994,256             | \$3,994,256                | \$2,382,225   | \$875,037                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/12/2017             | 8/1/2017             | 3/31/2022          | Completed                   |
| PON-14-308     | EPC-17-010               | 1                                                         | Lawrence Berkeley National Laboratory                                     | Integrated Heat and Moisture Calculation Tool for Building Envelopes                        | S11                   | S11: Provide Federal Cost Share for Applied Research Awards.                                                                                    | S11.1                  | S11.1 Provide Federal Cost Share for Applied Research Awards.                                                                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$125,000               | \$125,000                  | \$0           | \$59,209                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/9/2017              | 7/14/2017            | 12/1/2020          | Completed                   |
| GFO-15-325     | EPC-17-011               | 1                                                         | H2IU Kompogas SLO Inc.                                                    | Demonstration of an Innovative, Community-Scale, Organic Waste-to-Energy Facility           | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.                                  | S13.2                  | S13.2 Accelerate the Demonstration and Early Deployment of Emerging BioDigester and Integrated Clean Generation to Efficiently Use Agricultural, Municipal, and Other Organic Waste.                                                                                              | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$5,278,373   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 8/9/2017              | 7/12/2017            | 9/30/2020          | Completed                   |
| GFO-15-325     | EPC-17-012               | 1                                                         | Taylor Energy                                                             | Biomass-to-Electricity: Pilot-Scale Testing of Baseload Compared to Flexible Power          | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                           | S3.1                   | S3.1 Efficient, Sustainable and Lower-Cost Bioenergy: Innovations to Improve Biomass-to-Energy Systems in California.                                                                                                                                                             | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,499,000             | \$1,499,000                | \$0           | \$254,980                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Woman Own                                   | 7/12/2017             | 8/1/2017             | 12/31/2021         | Completed                   |
| GFO-15-325     | EPC-17-013               | 1                                                         | Altex Technologies Corporation                                            | Small Scale Forest Waste Power System                                                       | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                           | S3.1                   | S3.1 Efficient, Sustainable and Lower-Cost Bioenergy: Innovations to Improve Biomass-to-Energy Systems in California.                                                                                                                                                             | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,499,994             | \$1,499,994                | \$161,728     | \$768,611                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/12/2017             | 9/1/2017             | 3/31/2021          | Completed                   |
| GFO-16-304     | EPC-17-014               | 1                                                         | Newcomb Anderson McCormick, Inc.                                          | Advanced Plug Load Controls and Management in the Educational Environment                   | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                                                                                                                           | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$1,264,296                | \$625,486     | \$181,505                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/9/2017              | 9/1/2017             | 3/31/2021          | Completed                   |
| GFO-16-304     | EPC-17-014               | 1                                                         | Newcomb Anderson McCormick, Inc.                                          | Advanced Plug Load Controls and Management in the Educational Environment                   | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                                                                                                                           | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | -\$3,735,704            |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/9/2017              | 9/1/2017             | 3/31/2021          | Completed                   |
| PON-14-308     | EPC-17-015               | 1                                                         | Nevados Engineering, Inc.                                                 | Installation and Soft Cost Reduction for Horizontal Single Axis Trackers (Stage II)         | S17                   | S17: Provide Federal Cost Share for Technology Demonstration and Deployment Awards.                                                             | S17.1                  | S17.1 Provide Federal Cost Share for Technology Demonstration and Deployment Awards.                                                                                                                                                                                              | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$999,822               | \$999,822                  | \$0           | \$76,846                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/8/2017              | 8/21/2017            | 12/31/2019         | Completed                   |
| GFO-15-325     | EPC-17-016               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | An Online Siting Tool Application for Woody Biomass-to-Electricity Facilities in California | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                           | S3.1                   | S3.1 Efficient, Sustainable and Lower-Cost Bioenergy: Innovations to Improve Biomass-to-Energy Systems in California.                                                                                                                                                             | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,222,284             | \$1,222,284                | \$28,523      | \$204,632                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/9/2017              | 9/1/2017             | 12/31/2023         | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                                             | Project Title                                                                                                                                                                     | Strategic Objective # | Strategic Objective                                                                                                                                            | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                             | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-15-325     | EPC-17-017               | 1                                                         | All Power Labs, Inc.                                                                              | The Nexus of Clean Energy, Healthy Forests, and a Stable Climate: Innovative Biomass Gasification for Sustainable Forest Management                                               | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.                                          | S3.1                   | S3.1 Efficient, Sustainable and Lower-Cost Bioenergy: Innovations to Improve Biomass-to-Energy Systems in California.                                                                                            | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$750,000     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 10/11/2017            | 10/27/2017           | 9/29/2023          | Completed                   |
| GFO-15-325     | EPC-17-018               | 1                                                         | The Regents of the University of California on behalf of the Davis campus                         | Demonstrating the Potential for On-Site Electricity Generation from Food Waste Using Containerized Anaerobic Digestion Units                                                      | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.                                                 | S13.2                  | S13.2 Accelerate the Demonstration and Early Deployment of Emerging BioDigester and Integrated Clean Generation to Efficiently Use Agricultural, Municipal, and Other Organic Waste.                             | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$2,411,007             | \$2,411,007                | \$735,333     | \$171,649                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/13/2017             | 10/18/2017           | 3/31/2026          | Active (Open)               |
| GFO-15-325     | EPC-17-019               | 1                                                         | Fall River Resource Conservation District                                                         | Burney-Hat Creek Bioenergy                                                                                                                                                        | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.                                                 | S13.1                  | S13.1 Demonstrate and Evaluate Environmentally and Economically Sustainable Biomass-to-Energy Systems for Woody and Other Dry Biomass.                                                                           | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$5,000,000   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/13/2017             | 10/18/2017           | 3/31/2025          | Ended                       |
| GFO-16-303     | EPC-17-020               | 1                                                         | Board of Trustees of the Leland Stanford Junior University (SLAC National Accelerator Laboratory) | Demonstration of Vehicle-Grid Integration under Non-residential Scenarios                                                                                                         | S16                   | S16: Expand Smart Charging and Vehicle-to-Grid Power Transfer for Electric Vehicles.                                                                           | S16.1                  | S16.1 Demonstrate the Ability of Electric Vehicles To Provide Advanced Grid Services.                                                                                                                            | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$2,340,000             | \$2,340,000                | \$597,593     | \$741,146                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/13/2017             | 10/10/2017           | 12/31/2022         | Completed                   |
| GFO-15-325     | EPC-17-021               | 1                                                         | Mariposa County Resource Conservation District (MCRCD)                                            | Mariposa Biomass Project                                                                                                                                                          | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.                                                 | S13.1                  | S13.1 Demonstrate and Evaluate Environmentally and Economically Sustainable Biomass-to-Energy Systems for Woody and Other Dry Biomass.                                                                           | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$12,797,062  | \$8,842                                   | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 10/18/2017           | 3/31/2027          | Active (Open)               |
| GFO-15-325     | EPC-17-022               | 1                                                         | Lystek International Limited                                                                      | Skid Mounted Mobile Pilot/Education Unit for Source Separated Organics Processing with Cogeneration Capabilities                                                                  | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.                                                 | S13.2                  | S13.2 Accelerate the Demonstration and Early Deployment of Emerging BioDigester and Integrated Clean Generation to Efficiently Use Agricultural, Municipal, and Other Organic Waste.                             | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$1,589,163             | \$1,589,163                | \$493,075     | \$19,396                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/8/2017             | 11/28/2017           | 11/29/2021         | Completed                   |
| GFO-16-310     | EPC-17-023               | 1                                                         | RCAM Technologies                                                                                 | High Performance, Ultra-Tall, Low Cost Concrete Wind Turbine Towers Additively Manufactured On-Site                                                                               | S4                    | S4: Improve Power Plant Performance, Reduce Cost, and Accelerate Market Acceptance of Existing and Emerging Utility-Scale Renewable Energy Generation Systems. | S4.4                   | S4.4 Upgrade California's Aging Wind Turbines: Design, Cost, and Development Improvements That Meet Local Needs.                                                                                                 | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,249,982             | \$1,249,982                | \$62,558      | \$164,368                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/8/2017             | 12/26/2017           | 6/30/2022          | Ended                       |
| PON-14-308     | EPC-17-024               | 1                                                         | Southern California Edison                                                                        | Electric Access System Enhancement (EASE)                                                                                                                                         | S17                   | S17: Provide Federal Cost Share for Technology Demonstration and Deployment Awards.                                                                            | S17.1                  | S17.1 Provide Federal Cost Share for Technology Demonstration and Deployment Awards.                                                                                                                             | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$2,000,000             | \$2,000,000                | \$8,008,123   | \$108,565                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/17/2018             | 5/1/2019             | 12/31/2021         | Completed                   |
| GFO-17-301     | EPC-17-025               | 1                                                         | Cohen Ventures, Inc. dba Energy Solutions                                                         | TradePro Connect Product and Service Procurement Project                                                                                                                          | S19                   | S19: Facilitate Inclusion of Emerging Clean Energy Technologies into Large-Scale Procurement Processes.                                                        | S19.1; S19.2           | S19.1 Develop Tools and Strategies to Encourage Large-Scale Purchasers to Adopt Emerging Energy Technologies.; S19.2 Facilitate Innovative Procurement Strategies to Reduce Costs for Clean Energy Technologies. | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation                     | \$991,110               | \$991,110                  | \$994,084     | \$159,260                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity                              | 3/21/2018             | 3/22/2018            | 1/31/2022          | Ended                       |
| GFO-17-301     | EPC-17-026               | 1                                                         | Lawrence Berkeley National Laboratory                                                             | Accelerating the Adoption of EVs as DERs through Fleet Procurement                                                                                                                | S19                   | S19: Facilitate Inclusion of Emerging Clean Energy Technologies into Large-Scale Procurement Processes.                                                        | S19.1; S19.2           | S19.1 Develop Tools and Strategies to Encourage Large-Scale Purchasers to Adopt Emerging Energy Technologies.; S19.2 Facilitate Innovative Procurement Strategies to Reduce Costs for Clean Energy Technologies. | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$1,779,718   | \$115,875                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 4/16/2018            | 12/31/2021         | Completed                   |
| GFO-16-311     | EPC-17-027               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus                      | The Distributional Electricity Impacts of Climate Change on California's Residential Communities                                                                                  | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts.           | S5.4                   | S5.4 Provide Tools and Information for Regional Climate Change Adaptation Measures for the Electricity Sector.                                                                                                   | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$200,000               | \$200,000                  | \$0           | \$36,240                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 4/1/2016             | 6/30/2020          | Completed                   |
| GFO-16-311     | EPC-17-028               | 1                                                         | Lawrence Berkeley National Laboratory                                                             | High Resolution Source Importance Mapping to Minimize Impacts of Waste Biomass Distributed Generation on Ozone Air Quality in Disadvantaged Communities in the San Joaquin Valley | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts.           | S5.2                   | S5.2 Develop Environmental Tools and Information for Future Renewable Energy Conservation Plans.                                                                                                                 | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$200,000               | \$200,000                  | \$0           | \$89,052                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 5/1/2018             | 3/31/2022          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                                    | Strategic Objective # | Strategic Objective                                                                                                                                  | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                     | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-16-311     | EPC-17-029               | 1                                                         | Cal Poly Corporation                                                         | Lowering Costs of Underwater Biological Surveys to Inform Offshore Renewable Energy                              | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.2                   | S5.2 Develop Environmental Tools and Information for Future Renewable Energy Conservation Plans.                                                                                                                                                                                         | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$199,978               | \$199,978                  | \$0           | \$29,057                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 4/4/2018             | 7/31/2020          | Completed                   |
| GFO-17-301     | EPC-17-030               | 1                                                         | Prospect Silicon Valley                                                      | California Opportunities for Procurement to Accelerate Clean Energy (Cal-OP ACE)                                 | S19                   | S19: Facilitate Inclusion of Emerging Clean Energy Technologies into Large-Scale Procurement Processes.                                              | S19.1; S19.2           | S19.1 Develop Tools and Strategies to Encourage Large-Scale Purchasers to Adopt Emerging Energy Technologies.; S19.2 Facilitate Innovative Procurement Strategies to Reduce Costs for Clean Energy Technologies.                                                                         | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation                     | \$3,998,715             | \$3,998,715                | \$1,244,450   | \$128,875                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 4/2/2018             | 12/31/2023         | Ended                       |
| GFO-17-302     | EPC-17-031               | 1                                                         | City of Long Beach                                                           | Port of Long Beach Microgrid - Resilience for Critical Facilities                                                | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                             | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$8,057,587   | \$95,909                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 4/23/2018            | 3/31/2026          | Active (Open)               |
| GFO-17-302     | EPC-17-032               | 1                                                         | The Regents of California, San Diego                                         | Miramar Microgrid - Flight Line Resilience through Landfill Gas and Energy Storage                               | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                             | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$6,002,320   | \$425,962                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 4/23/2018            | 7/31/2026          | Active (Open)               |
| GFO-16-311     | EPC-17-033               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | Building on the Cal-Adapt Platform to Deliver Actionable Information in Support of Electricity Sector Resilience | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.4                   | S5.4 Provide Tools and Information for Regional Climate Change Adaptation Measures for the Electricity Sector.                                                                                                                                                                           | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$900,000               | \$900,000                  | \$0           | \$172,916                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 4/20/2018            | 3/31/2022          | Completed                   |
| GFO-17-301     | EPC-17-034               | 1                                                         | The Regents of the University of California on behalf of the Davis campus    | California Energy Product Evaluation Hub                                                                         | S19                   | S19: Facilitate Inclusion of Emerging Clean Energy Technologies into Large-Scale Procurement Processes.                                              | S19.1                  | S19.1 Develop Tools and Strategies to Encourage Large-Scale Purchasers to Adopt Emerging Energy Technologies.                                                                                                                                                                            | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation                     | \$10,993,646            | \$10,993,646               | \$2,347,629   | \$3,915,128                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 4/23/2018            | 6/30/2027          | Active (Open)               |
| GFO-16-311     | EPC-17-035               | 1                                                         | Lawrence Berkeley National Laboratory                                        | Building Healthier and More Energy-Efficient Communities in Fresno and the Central Valley                        | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.1; S1.3; S1.4       | S1.1 Advance Efficient Solutions for Lower Energy Buildings.; S1.3 Apply Advanced Social Science Research Methods to Improve Adoption of Next Generation Energy Efficiency Solutions.; S1.4 Develop and Evaluate Strategies to Improve Indoor Air Quality in Energy-Efficient Buildings. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,100,000             | \$1,100,000                | \$0           | \$401,103                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/11/2018             | 5/1/2018             | 7/29/2022          | Completed                   |
| GFO-17-302     | EPC-17-038               | 1                                                         | Lawrence Berkeley National Laboratory                                        | Camp Parks Army Microgrid - A Blueprint for Nested, Modular Design                                               | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                             | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$11,410,900  | \$817,221                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/21/2018             | 4/23/2018            | 3/31/2027          | Active (Open)               |
| GFO-17-305     | EPC-17-039               | 1                                                         | Electric Power Research Institute, Inc.                                      | Validated, Transparent, and Accessible Microgrid Valuation and Optimization Tool (DER-VET)                       | S7                    | S7: Develop Advanced Distribution Modeling Tools for the Future Smart Grid.                                                                          | S7.1                   | S7.1 Develop Open-Source Electricity System Modeling Tools to Visualize California's Modern Distribution Systems.                                                                                                                                                                        | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,000,000             | \$2,000,000                | \$568,110     | \$530,067                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/9/2018              | 5/11/2018            | 3/31/2024          | Completed                   |
| GFO-17-304     | EPC-17-040               | 1                                                         | Rocky Mountain Institute                                                     | Mass Deployment of Energy Efficiency Retrofits in Disadvantaged Communities                                      | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.1; S1.2; S1.3       | S1.1 Advance Efficient Solutions for Lower Energy Buildings.; S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.; S1.3 Apply Advanced Social Science Research Methods to Improve Adoption of Next Generation Energy Efficiency Solutions. | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,401,436             | \$7,204,308                | \$6,705,308   | \$1,555,647                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/13/2018             | 5/1/2018             | 1/2/2025           | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                                   | Strategic Objective # | Strategic Objective                                                                                                                                  | Strategic Initiative # | Strategic Initiative                                                                                                                                                                  | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-17-304     | EPC-17-040               | 1                                                         | Rocky Mountain Institute                                                         | Mass Deployment of Energy Efficiency Retrofits in Disadvantaged Communities                                                     | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings.      | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                               | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$4,802,872             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/13/2018             | 5/1/2018             | 1/2/2025           | Ended                       |
| GFO-17-304     | EPC-17-041               | 1                                                         | Sonoma Clean Power Authority                                                     | Lead Locally                                                                                                                    | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.1; S1.2             | S1.1 Advance Efficient Solutions for Lower Energy Buildings; S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.                        | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$3,271,532             | \$9,814,596                | \$3,335,500   | \$4,687,705                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/11/2018             | 5/1/2018             | 3/31/2024          | Ended                       |
| GFO-17-304     | EPC-17-041               | 1                                                         | Sonoma Clean Power Authority                                                     | Lead Locally                                                                                                                    | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings.      | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                               | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$6,543,064             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/11/2018             | 5/1/2018             | 3/31/2024          | Ended                       |
| GFO-15-325     | EPC-17-042               | 1                                                         | Camptonville Community Partnership                                               | Camptonville Biomass-to-Energy Project                                                                                          | S4.4                  | 4.4 Improve the Value Proposition of Bioenergy                                                                                                       | S4.4.2                 | 4.4.2 Demonstrating Modular Bioenergy Systems and Feedstock Densifying and Handling Strategies to Improve Conversion of Accessibility-Challenged Forest Biomass Resources             | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,999,830             | \$4,999,830                | \$13,030,225  | \$203,204                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/22/2020             | 4/20/2018            | 3/31/2026          | Active (Open)               |
| GFO-17-305     | EPC-17-043               | 1                                                         | Hitachi America LTD                                                              | GLOW: A User-friendly Interface for GridLAB-D                                                                                   | S7                    | S7: Develop Advanced Distribution Modeling Tools for the Future Smart Grid.                                                                          | S7.1                   | S7.1 Develop Open-Source Electricity System Modeling Tools to Visualize California's Modern Distribution Systems.                                                                     | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$2,999,699             | \$2,999,699                | \$1,255,060   | \$193,906                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/9/2018              | 5/11/2018            | 9/29/2023          | Ended                       |
| GFO-17-304     | EPC-17-044               | 1                                                         | InTech Energy, Inc.                                                              | Researching, Developing, Demonstrating the Commoditization of Building Energy Efficiency Retrofits in Southern California       | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                      | S1.1                   | S1.1 Advance Efficient Solutions for Lower Energy Buildings.                                                                                                                          | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$829,261               | \$829,261                  | \$2,600,274   | \$2,139,730                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/13/2018             | 6/13/2018            | 3/31/2022          | Terminated                  |
| GFO-16-311     | EPC-17-045               | 1                                                         | The Regents of the University of California on behalf of the Irvine Campus       | Oak View Microgrid: Using Microgrid Technologies to Simultaneously Improve Quality of Life and Electric Grid Operations         | S7                    | S7: Develop Advanced Distribution Modeling Tools for the Future Smart Grid.                                                                          | S7.1                   | S7.1 Develop Open-Source Electricity System Modeling Tools to Visualize California's Modern Distribution Systems.                                                                     | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,099,760             | \$1,099,760                | \$367,804     | \$157,594                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/11/2018             | 5/16/2018            | 10/31/2024         | Ended                       |
| GFO-17-305     | EPC-17-046               | 1                                                         | SLAC National Accelerator Laboratory                                             | HiPAS GridLAB-D: A High-Performance Agent-based Simulation using GridLAB-D                                                      | S7                    | S7: Develop Advanced Distribution Modeling Tools for the Future Smart Grid.                                                                          | S7.1                   | S7.1 Develop Open-Source Electricity System Modeling Tools to Visualize California's Modern Distribution Systems.                                                                     | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$3,068,781             | \$3,068,781                | \$300,000     | \$1,149,270                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/9/2018              | 5/11/2018            | 9/29/2023          | Ended                       |
| GFO-17-305     | EPC-17-047               | 1                                                         | SLAC National Accelerator Laboratory                                             | OpenFIDO: An Open-source Framework for Integrated Data Operations                                                               | S7                    | S7: Develop Advanced Distribution Modeling Tools for the Future Smart Grid.                                                                          | S7.1                   | S7.1 Develop Open-Source Electricity System Modeling Tools to Visualize California's Modern Distribution Systems.                                                                     | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$30,000      | \$367,282                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/9/2018              | 5/11/2018            | 9/29/2023          | Ended                       |
| GFO-16-311     | EPC-17-048               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus     | Engaging Communities in the Design of Sustainable Energy and Localized Futures (SELF) Models in California's San Joaquin Valley | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.4                   | S5.4 Provide Tools and Information for Regional Climate Change Adaptation Measures for the Electricity Sector.                                                                        | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,100,000             | \$1,100,000                | \$0           | \$228,397                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/11/2018             | 4/16/2018            | 6/30/2022          | Completed                   |
| GFO-17-302     | EPC-17-049               | 1                                                         | San Diego Unified Port District (Port of San Diego)                              | Port of San Diego Microgrid - Resiliency in Terminal Operations                                                                 | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                             | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs. | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$4,985,272             | \$4,985,272                | \$4,629,936   | \$528,929                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/9/2018              | 6/13/2018            | 6/13/2026          | Active (Open)               |
| GFO-16-311     | EPC-17-050               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | Using Big Data to Holistically Assess Benefits from Building Energy System Transition Pathways in Disadvantaged Communities     | S5                    | S5: Reduce the Environmental and Public Health Impacts of Electricity Generation and Make the Electricity System Less Vulnerable to Climate Impacts. | S5.4                   | S5.4 Provide Tools and Information for Regional Climate Change Adaptation Measures for the Electricity Sector.                                                                        | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,098,662             | \$1,098,662                | \$54,740      | \$233,968                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/11/2018             | 7/11/2018            | 12/31/2021         | Completed                   |
| PON-14-308     | EPC-17-051               | 1                                                         | The Regents of California, San Diego                                             | LEED: A Lightwave Energy-Efficient Datacenter                                                                                   | S11                   | S11: Provide Federal Cost Share for Applied Research Awards.                                                                                         | S11.1                  | S11.1 Provide Federal Cost Share for Applied Research Awards.                                                                                                                         | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$475,000               | \$475,000                  | \$0           | \$78,440                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/9/2018              | 6/18/2018            | 1/31/2020          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                            | Project Title                                                                                           | Strategic Objective # | Strategic Objective                                                                                                                             | Strategic Initiative # | Strategic Initiative                                                                                                                                                                  | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-17-302     | EPC-17-052               | 1                                                         | Gridscape Solutions, Inc.                                        | Urban Microgrids for Grid Resiliency and Disaster Readiness                                             | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$4,995,498             | \$4,995,498                | \$4,154,902   | \$581,490                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/9/2018              | 7/18/2018            | 3/31/2028          | Active (Open)               |
| GFO-17-302     | EPC-17-053               | 1                                                         | Sonoma County Junior College District/ Santa Rosa Junior College | Santa Rosa Junior College Urban Microgrid Project                                                       | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$4,999,005             | \$4,999,005                | \$8,689,759   | \$359,118                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 6/13/2018             | 6/30/2018            | 3/31/2026          | Active (Open)               |
| GFO-17-302     | EPC-17-054               | 1                                                         | Rialto Bioenergy Facility LLC                                    | Rialto Resilient Clean Power Microgrid                                                                  | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$6,515,000   | \$627,582                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/11/2018             | 7/18/2018            | 3/31/2026          | Active (Open)               |
| GFO-17-302     | EPC-17-055               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                  | Redwood Coast Airport Microgrid                                                                         | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$6,322,728   | \$551,455                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 6/13/2018             | 6/30/2018            | 9/30/2025          | Ended                       |
| GFO-17-302     | EPC-18-001               | 1                                                         | Electric Power Research Institute, Inc.                          | Port Hueneme Navy Data Center Microgrid                                                                 | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs. | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$4,998,345             | \$4,998,345                | \$3,502,754   | \$848,609                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 9/21/2018             | 11/1/2018            | 3/31/2026          | Active (Open)               |
| GFO-17-301     | EPC-18-002               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures                 | California Test Bed Initiative                                                                          | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                               | S18.3                  | S18.3 Provide Support for Entrepreneurs to Test, Verify, and Certify Their Innovations.                                                                                               | 2015-2017 EPIC Program 2nd Investment Plan | Market Facilitation                     | \$10,999,701            | \$21,998,402               | \$916,095     | \$566,364                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 12/10/2018            | 4/2/2018             | 3/31/2028          | Active (Open)               |
| GFO-17-301     | EPC-18-002               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures                 | California Test Bed Initiative                                                                          | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                             | S5.1                   | 5.1 Entrepreneurial Support                                                                                                                                                           | 2021-2025 EPIC Program 4th Investment Plan | Market Facilitation                     | \$10,998,701            |                            |               |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/10/2018            | 4/2/2018             | 3/31/2028          | Active (Open)               |
| GFO-17-308     | EPC-18-003               | 1                                                         | Lucent Optics, Inc.                                              | Ultra-thin Flexible LED Lighting Panels                                                                 | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.1                   | S1.1 Advance Efficient Solutions for Lower Energy Buildings.                                                                                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,692,069             | \$1,692,069                | \$169,207     | \$516,434                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 1/9/2019              | 1/23/2019            | 3/31/2023          | Completed                   |
| GFO-17-308     | EPC-18-004               | 1                                                         | Ubiquitous Energy, Inc.                                          | Accelerating Commercialization of Advanced Energy Efficient Windows                                     | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.1                   | S1.1 Advance Efficient Solutions for Lower Energy Buildings.                                                                                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$2,998,055             | \$2,998,055                | \$4,310,659   | \$407,192                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 1/9/2019              | 2/8/2019             | 12/12/2022         | Ended                       |
| GFO-17-308     | EPC-18-005               | 1                                                         | Heliotrope Technologies, Inc.                                    | Building Energy Impact Analysis of Low Cost NanoEC Electrochromic Window Control Algorithm Optimization | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                               | 2015-2017 EPIC Program 2nd Investment Plan | Technology Demonstration and Deployment | \$3,667,104             | \$3,667,104                | \$952,276     | \$1,182,911                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 1/9/2019              | 1/16/2019            | 3/31/2025          | Ended                       |
| GFO-17-308     | EPC-18-006               | 1                                                         | SkyCool Systems Inc.                                             | Radiative Sky Cooling-Enabled Efficiency Improvements on Commercial Cooling Systems                     | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.1                   | S1.1 Advance Efficient Solutions for Lower Energy Buildings.                                                                                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,770,563             | \$1,770,563                | \$304,288     | \$332,658                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 2/20/2019             | 2/9/2019             | 3/30/2025          | Completed                   |
| GFO-17-308     | EPC-18-007               | 1                                                         | Glint Photonics, Inc.                                            | High Efficiency Dynamic Lighting Systems                                                                | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.1                   | S1.1 Advance Efficient Solutions for Lower Energy Buildings.                                                                                                                          | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,999,990             | \$1,999,990                | \$200,064     | \$43,764                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 1/9/2019              | 2/18/2019            | 12/1/2021          | Completed                   |
| GFO-17-308     | EPC-18-008               | 1                                                         | MicroBio Engineering, Inc.                                       | Improving Energy Efficiency and Performance of Wastewater Recycling                                     | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                        | 2015-2017 EPIC Program 2nd Investment Plan | Applied Research and Development        | \$1,550,227             | \$1,550,227                | \$160,000     | \$548,356                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 2/20/2019             | 3/6/2019             | 3/31/2025          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                    | Strategic Objective # | Strategic Objective                                                                                                                             | Strategic Initiative # | Strategic Initiative                                                                                                                                    | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-17-308     | EPC-18-009               | 1                                                         | Porifera, Inc.                                                               | Energy Savings Through Osmotic Concentration for the Food and Beverage Processing Industry       | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs. | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$2,800,687             | \$2,800,687                | \$605,073     | \$908,606                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/12/2019             | 4/1/2019             | 8/1/2023           | Completed                   |
| GFO-17-308     | EPC-18-010               | 1                                                         | Porifera, Inc.                                                               | Energy and Water Savings in Food and Beverage Wastewater Reuse                                   | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.          | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,777,132             | \$1,777,132                | \$195,000     | \$480,430                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/12/2019             | 4/1/2019             | 8/1/2023           | Completed                   |
| GFO-15-312p2   | EPC-18-011               | 1                                                         | Zero Net Energy (ZNE) Alliance                                               | Lancaster Advanced Energy Community (AEC) Project                                                | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.2                  | S12.2 Demonstrate Large-Scale Deployment of Integrated Demand-Side Management and Demand Response Programs in Buildings.                                | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$3,738,300             | \$4,999,060                | \$5,674,720   | \$809,583                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/15/2019             | 6/1/2019             | 3/31/2026          | Active (Open)               |
| GFO-15-312p2   | EPC-18-011               | 1                                                         | Zero Net Energy (ZNE) Alliance                                               | Lancaster Advanced Energy Community (AEC) Project                                                | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                                                   | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,260,760             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/15/2019             | 6/1/2019             | 3/31/2026          | Active (Open)               |
| GFO-15-312p2   | EPC-18-013               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | The Oakland EcoBlock, Phase II: A Zero Net Energy, Low Water-Use Retrofit Neighborhood           | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.2                  | S12.2 Demonstrate Large-Scale Deployment of Integrated Demand-Side Management and Demand Response Programs in Buildings.                                | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$3,740,181             | \$5,000,000                | \$3,491,600   | \$700,249                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 11/30/2026         | Active (Open)               |
| GFO-15-312p2   | EPC-18-013               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | The Oakland EcoBlock, Phase II: A Zero Net Energy, Low Water-Use Retrofit Neighborhood           | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                                                   | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,259,819             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 11/30/2026         | Active (Open)               |
| GFO-18-302     | EPC-18-014               | 1                                                         | Spark Thermionics, Inc.                                                      | Production Scale-Up of Thermionic Energy Harvesters                                              | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                                            | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,349,933             | \$1,349,933                | \$270,000     | \$382,031                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 12/31/2024         | Ended                       |
| GFO-18-302     | EPC-18-015               | 1                                                         | Cuberg, Inc.                                                                 | Improved Batteries for California's Zero-Emissions Vehicle Future                                | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                                            | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,566,639             | \$1,566,639                | \$316,200     | \$229,783                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 6/30/2023          | Ended                       |
| GFO-18-302     | EPC-18-016               | 1                                                         | Halo Industries, Inc.                                                        | Production Scale-Up of Advanced Wafer Technology for Drastic Solar Photovoltaics Cost Reduction  | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                                            | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$4,000,000             | \$4,000,000                | \$1,250,000   | \$584,267                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 3/31/2024          | Ended                       |
| GFO-18-302     | EPC-18-017               | 1                                                         | Seption Technologies, Inc.                                                   | Scaling Up Pilot Production of Nanoporous Membranes for Battery Storage Technologies             | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                                            | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$2,675,793             | \$2,675,793                | \$2,489,417   | \$382,307                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 3/29/2024          | Ended                       |
| GFO-18-302     | EPC-18-018               | 1                                                         | Caban Systems, Inc.                                                          | Prototype to Production: Modular Battery Platform Project for California Critical Infrastructure | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                                            | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,878,760             | \$1,878,760                | \$1,396,943   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 12/31/2024         | Ended                       |
| GFO-18-302     | EPC-18-019               | 1                                                         | Treau, Inc.                                                                  | Treau: Low-GWP, High-Efficiency Heat Pump and Air Conditioner                                    | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                                            | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$2,805,907             | \$2,805,907                | \$1,901,907   | \$834,152                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 1/31/2024          | Completed                   |
| GFO-18-302     | EPC-18-020               | 1                                                         | Glint Photonics, Inc.                                                        | Production Scale-Up of High Efficiency Adjustable Lighting Products                              | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                                            | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,998,922             | \$1,998,922                | \$399,831     | \$619,177                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 3/29/2024          | Completed                   |
| GFO-18-302     | EPC-18-021               | 1                                                         | South 8 Technologies                                                         | Production Scale-Up for Next Generation Batteries Using Liquefied Gas Electrolytes               | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                               | S18.3                  | S18.3 Provide Support for Entrepreneurs to Test, Verify, and Certify Their Innovations.                                                                 | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation                     | \$231,451               | \$1,028,059                | \$466,416     | \$230,205                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 3/31/2024          | Ended                       |
| GFO-18-302     | EPC-18-021               | 1                                                         | South 8 Technologies                                                         | Production Scale-Up for Next Generation Batteries Using Liquefied Gas Electrolytes               | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                                            | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$796,608               |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 3/31/2024          | Ended                       |
| GFO-18-304     | EPC-18-022               | 1                                                         | Natron Energy, Inc.                                                          | Advanced Energy Storage for Electric Vehicle Charging Support                                    | S15                   | S15: Demonstrate Advanced Energy Storage Interconnection Systems to Lower Costs, Facilitate Market and Improve Grid Reliability.                | S15.1                  | S15.1 Demonstrate Advanced Energy Storage Interconnection Technologies and Systems                                                                      | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$2,998,064             | \$2,998,064                | \$1,445,706   | \$96,753                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 6/30/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                                                     | Strategic Objective # | Strategic Objective                                                                                                              | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                    | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
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|                |                          |                                                           |                                                                                  |                                                                                                                                                   |                       |                                                                                                                                  |                        | in Transmission, Distribution, and Customer-Side Applications to Transition to the Commercial Market.                                                                                                                                                                                                                                                   |                                                    |                                         |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
| GFO-18-304     | EPC-18-023               | 1                                                         | Eos Energy Storage, LLC                                                          | Utility Demonstration of Non-Flammable, Aqueous-Zinc Battery Storage: Innovation Scale-Up to Alleviate T&D Congestion and Mitigate Wildfire Risks | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                     | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,986,110             | \$2,986,110                | \$4,010,876   | \$356,447                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 6/12/2019             | 6/28/2019            | 12/30/2023         | Completed                   |
| GFO-18-304     | EPC-18-024               | 1                                                         | Element 16 Technologies, Inc                                                     | Large-Scale Sulfur Thermal Battery Demonstration for Enhanced Grid Flexibility and Increased Renewable Penetration                                | S15                   | S15: Demonstrate Advanced Energy Storage Interconnection Systems to Lower Costs, Facilitate Market and Improve Grid Reliability. | S15.1                  | S15.1 Demonstrate Advanced Energy Storage Interconnection Technologies and Systems in Transmission, Distribution, and Customer-Side Applications to Transition to the Commercial Market.                                                                                                                                                                | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$262,119               | \$3,000,000                | \$640,000     | \$430,000                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 3/31/2024          | Completed                   |
| GFO-18-304     | EPC-18-024               | 1                                                         | Element 16 Technologies, Inc                                                     | Large-Scale Sulfur Thermal Battery Demonstration for Enhanced Grid Flexibility and Increased Renewable Penetration                                | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                     | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,737,881             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 3/31/2024          | Completed                   |
| GFO-18-302     | EPC-18-025               | 1                                                         | General Engineering & Research, L.L.C.                                           | Scale-up of Magnetocaloric Materials for High Efficiency Magnetic Refrigeration                                                                   | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                             | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                                                                                                                                                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,088,188             | \$1,088,188                | \$306,791     | \$409,462                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity, Woman Own                   | 6/12/2019             | 6/28/2019            | 3/31/2024          | Ended                       |
| GFO-18-301     | EPC-18-026               | 1                                                         | Spatial Informatics Group, LLC                                                   | Comprehensive Open Source Development of Next Generation Wildfire Models for Grid Resiliency                                                      | S7                    | S7: Develop Advanced Distribution Modeling Tools for the Future Smart Grid.                                                      | S7.1                   | S7.1 Develop Open-Source Electricity System Modeling Tools to Visualize California's Modern Distribution Systems.                                                                                                                                                                                                                                       | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$4,021,416             | \$5,000,000                | \$2,031,314   | \$546,431                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Micro Business, Calif Based Entity                              | 6/12/2019             | 6/28/2019            | 6/30/2026          | Active (Open)               |
| GFO-18-301     | EPC-18-026               | 1                                                         | Spatial Informatics Group, LLC                                                   | Comprehensive Open Source Development of Next Generation Wildfire Models for Grid Resiliency                                                      | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events                               | S7.2.1; S7.2.2; S7.2.3 | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options; 7.2.2 Clarify Interactions between Renewable Electricity Systems and Climate Change to Ensure an Effective, Resilient Transition to Low-Carbon Energy in California; 7.2.3 Integrate Climate Readiness into Electricity System Operations, Tools, and Models | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$978,584               |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Micro Business, Calif Based Entity                              | 6/12/2019             | 6/28/2019            | 6/30/2026          | Active (Open)               |
| GFO-18-303     | EPC-19-002               | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | "Smart Greenhouse": Integrated Photovoltaics/Photosynthesis for Energy and Food                                                                   | S4.1                  | 4.1 Advance Emerging Thin-film PV Technologies for High Value Applications                                                       | S4.1.1                 | 4.1.1 Advance the Material Science, Manufacturing Process, and In-Situ Maintenance of Thin-film PV Technologies                                                                                                                                                                                                                                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$600,000               | \$600,000                  | \$60,000      | \$121,348                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/11/2019             | 10/1/2019            | 12/31/2023         | Completed                   |
| GFO-18-303     | EPC-19-003               | 1                                                         | Tandem PV, Inc.                                                                  | Processing and Architecture Design to Develop and Demonstrate Stable and Efficient Perovskite + Silicon Tandem Modules                            | S4.1                  | 4.1 Advance Emerging Thin-film PV Technologies for High Value Applications                                                       | S4.1.1                 | 4.1.1 Advance the Material Science, Manufacturing Process, and In-Situ Maintenance of Thin-film PV Technologies                                                                                                                                                                                                                                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$999,802               | \$999,802                  | \$999,986     | \$161,295                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/11/2019             | 10/1/2019            | 3/31/2023          | Completed                   |
| GFO-18-303     | EPC-19-004               | 1                                                         | The Regents of the University of California, San Diego Foundation                | High-Efficiency Perovskite Tandem Modules with Resilient Interfaces                                                                               | S4.1                  | 4.1 Advance Emerging Thin-film PV Technologies for High Value Applications                                                       | S4.1.1                 | 4.1.1 Advance the Material Science, Manufacturing Process, and In-Situ Maintenance of Thin-film PV Technologies                                                                                                                                                                                                                                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$993,458               | \$993,458                  | \$659,295     | \$103,945                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/11/2019             | 10/1/2019            | 3/31/2024          | Ended                       |
| GFO-15-312p3   | EPC-19-005               | 1                                                         | Zero Net Energy (ZNE) Alliance                                                   | Richmond Advanced Energy Community (AEC) Phase II Project                                                                                         | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                                    | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,998,555             | \$4,998,555                | \$2,813,454   | \$1,092,030                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/11/2020             | 3/2/2020             | 3/31/2026          | Active (Open)               |
| GFO-15-312p3   | EPC-19-006               | 1                                                         | The Energy Coalition                                                             | Basset-Avocado Advanced Energy Community                                                                                                          | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                                    | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$9,093,833             | \$9,093,833                | \$5,459,863   | \$1,487,220                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 5/1/2020             | 6/30/2026          | Active (Open)               |
| GFO-19-302     | EPC-19-007               | 1                                                         | RCAM Technologies                                                                | On-site 3D Concrete Printing for Next-Generation Low-Cost Wind Plants                                                                             | S4.2                  | 4.2 Develop Technologies that Enable Increased Wind Capacity in California                                                       | S4.2.1                 | 4.2.1 Advanced Manufacturing and Installation Approach for Utility-Scale Land-Based Wind Turbine Components                                                                                                                                                                                                                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,999,979             | \$2,999,979                | \$302,000     | \$507,530                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2020              | 5/1/2020             | 12/31/2024         | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                                                                                             | Strategic Objective # | Strategic Objective                                                                                                                   | Strategic Initiative # | Strategic Initiative                                                                                              | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-19-302     | EPC-19-008               | 1                                                         | Aker Offshore Wind USA LLC                                                | NextWind Real-time Monitoring System                                                                                                                      | S4.2                  | 4.2 Develop Technologies that Enable Increased Wind Capacity in California                                                            | S4.2.2                 | 4.2.2 Real-Time Remote Monitoring System for Offshore and Land-Based Wind Technologies                            | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,586,914             | \$1,586,914                | \$201,775     | \$503,271                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 4/8/2020              | 5/13/2020            | 3/31/2023          | Ended                       |
| GFO-19-302     | EPC-19-009               | 1                                                         | Integral Consulting Inc.                                                  | A Risk Assessment Framework to Evaluate Effects of Offshore Wind Farms on the California Upwelling Ecosystem                                              | S7.3                  | 7.3 Evaluate Strategies to Mitigate the Impacts of the Electricity System on the Environment and Public Health and Safety             | S7.3.1                 | 7.3.1 Find Environmental and Land Use Solutions to Facilitate the Transition to a Decarbonized Electricity System | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$500,000               | \$500,000                  | \$152,821     | \$174,739                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2020              | 5/1/2020             | 12/31/2023         | Completed                   |
| GFO-19-302     | EPC-19-010               | 1                                                         | Lawrence Berkeley National Laboratory                                     | Integrated Distributed Fiber Optic Sensing for Real-Time Monitoring of OWT Gearbox and Tower Operation and Marine Animal Activities                       | S4.2                  | 4.2 Develop Technologies that Enable Increased Wind Capacity in California                                                            | S4.2.2                 | 4.2.2 Real-Time Remote Monitoring System for Offshore and Land-Based Wind Technologies                            | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,000,000             | \$2,000,000                | \$520,000     | \$684,912                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2020              | 5/1/2020             | 12/31/2024         | Ended                       |
| GFO-19-302     | EPC-19-011               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                           | Seabird 3D Distribution and Relative Risk from California Offshore Wind Turbines                                                                          | S7.3                  | 7.3 Evaluate Strategies to Mitigate the Impacts of the Electricity System on the Environment and Public Health and Safety             | S7.3.1                 | 7.3.1 Find Environmental and Land Use Solutions to Facilitate the Transition to a Decarbonized Electricity System | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$500,000               | \$500,000                  | \$20,046      | \$123,126                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/8/2020              | 5/1/2020             | 6/28/2024          | Ended                       |
| GFO-19-301     | EPC-19-012               | 1                                                         | Franklin Energy Services, LLC                                             | Affordable Space Conditioning and Domestic Hot Water Systems with Low Emissions and High Performance                                                      | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,499,925             | \$1,499,925                | \$163,150     | \$305,761                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 5/20/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-301     | EPC-19-013               | 1                                                         | Lawrence Berkeley National Laboratory                                     | HP-Flex: Next Generation Heat Pump Load Flexibility                                                                                                       | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services              | S3.1.2                 | 3.1.2 Assess Performance of Load Control Systems                                                                  | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$386,500     | \$989,122                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/15/2020            | 6/30/2026          | Active (Open)               |
| GFO-19-301     | EPC-19-014               | 1                                                         | Electric Power Research Institute, Inc.                                   | A zero GWP heat pump and distribution system for all-electric heating and cooling in California                                                           | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,498,557             | \$2,498,557                | \$440,000     | \$648,140                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/1/2020             | 3/31/2026          | Active (Open)               |
| GFO-19-301     | EPC-19-015               | 1                                                         | Western Cooling Efficiency Center - UC Davis                              | Optimizing Heat Pump Load Flexibility for Cost, Comfort, and Carbon Emissions                                                                             | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services              | S3.1.2                 | 3.1.2 Assess Performance of Load Control Systems                                                                  | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,537,436             | \$2,537,436                | \$256,701     | \$570,955                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/15/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-301     | EPC-19-016               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | Affordable Near- and Medium-Term Solutions for Integration of Low GWP Heat Pumps in Residential Buildings                                                 | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,916,306             | \$1,916,306                | \$200,000     | \$455,123                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 5/13/2020            | 1/2/2025           | Ended                       |
| GFO-19-303     | EPC-19-017               | 1                                                         | Materials Research LLC                                                    | Pilot Scale Recovery of Lithium from Geothermal Brines                                                                                                    | S4.3                  | 4.3 Increase the Strategic Value of Flexible CSP and Geothermal to the Electricity System                                             | S4.3.2                 | 4.3.2 Geothermal Energy Advancement for a Reliable Renewable Electricity System                                   | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,878,634             | \$1,878,634                | \$0           | \$25,000                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Minority Owned                              | 5/13/2020             | 6/1/2020             | 12/15/2023         | Completed                   |
| GFO-19-303     | EPC-19-018               | 1                                                         | Hell's Kitchen Geothermal LLC                                             | Hell's Kitchen Geothermal Lithium Extraction Pilot                                                                                                        | S4.3                  | 4.3 Increase the Strategic Value of Flexible CSP and Geothermal to the Electricity System                                             | S4.3.2                 | 4.3.2 Geothermal Energy Advancement for a Reliable Renewable Electricity System                                   | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$64,400                | \$64,400                   | \$480,000     | \$117,874                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/1/2020             | 3/1/2023           | Terminated                  |
| GFO-19-303     | EPC-19-019               | 1                                                         | Lawrence Berkeley National Laboratory                                     | Joint Time-Lapse Acquisition and Inversion of Passive Seismic and Magnetotelluric Data for Monitoring Reservoir Processes at the Geysers Geothermal Field | S4.3                  | 4.3 Increase the Strategic Value of Flexible CSP and Geothermal to the Electricity System                                             | S4.3.2                 | 4.3.2 Geothermal Energy Advancement for a Reliable Renewable Electricity System                                   | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,661,032             | \$1,661,032                | \$247,611     | \$720,023                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/1/2020             | 3/29/2024          | Completed                   |
| GFO-19-303     | EPC-19-020               | 1                                                         | BHER Minerals, LLC                                                        | Salton Sea Geothermal Lithium Recovery Demonstration Project                                                                                              | S4.3                  | 4.3 Increase the Strategic Value of Flexible CSP and Geothermal to the Electricity System                                             | S4.3.2                 | 4.3.2 Geothermal Energy Advancement for a Reliable Renewable Electricity System                                   | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$6,000,000             | \$6,000,000                | \$4,025,000   | \$107,508                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/1/2020             | 3/31/2024          | Completed                   |
| GFO-19-304     | EPC-19-021               | 1                                                         | General Engineering & Research, L.L.C.                                    | High Efficiency Magnetic Refrigeration for Industrial Cryogenic Applications                                                                              | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                                          | S1.7.1                 | 1.7.1 Optimize Refrigeration Compressor Efficiency and Test and Evaluate Alternative Refrigerants                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,699,066             | \$1,699,066                | \$545,658     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity, Woman Own                   | 5/13/2020             | 6/15/2020            | 3/31/2024          | Ended                       |
| GFO-19-304     | EPC-19-022               | 1                                                         | The Regents of the University of California, Merced                       | Stirling cycle heat pumps for industrial heat recovery                                                                                                    | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                                          | S1.7.1                 | 1.7.1 Optimize Refrigeration Compressor Efficiency and Test and Evaluate Alternative Refrigerants                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$656,630               | \$656,630                  | \$135,927     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/15/2020            | 12/31/2024         | Ended                       |
| GFO-19-304     | EPC-19-023               | 1                                                         | Institute of Gas Technology dba GTI Energy                                | Booster Ejector Enhancement of Compressor Refrigeration Facilities Utilizing Industrial Process Waste Heat                                                | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                                          | S1.7.1                 | 1.7.1 Optimize Refrigeration Compressor Efficiency and Test and                                                   | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,621,556             | \$1,621,556                | \$173,707     | \$404,995                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/15/2020            | 12/31/2025         | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                   | Project Title                                                                                                                | Strategic Objective # | Strategic Objective                                                                                                                   | Strategic Initiative # | Strategic Initiative                                                                                               | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                         |                                                                                                                              |                       |                                                                                                                                       |                        | Evaluate Alternative Refrigerants                                                                                  |                                                    |                                         |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
| GFO-19-304     | EPC-19-024               | 1                                                         | Electric Power Research Institute, Inc. | Development of an Advanced High Temperature Heat Pump for the Efficient Recovery of Low-Grade Industrial Waste Heat          | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                                          | S1.7.1                 | 1.7.1 Optimize Refrigeration Compressor Efficiency and Test and Evaluate Alternative Refrigerants                  | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,999,483             | \$1,999,483                | \$405,848     | \$458,916                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/15/2020            | 3/31/2024          | Ended                       |
| GFO-19-304     | EPC-19-025               | 1                                                         | Nelumbo Inc.                            | Advanced Heat Exchanger Coatings to Improve Energy Efficiency of Industrial Refrigeration System                             | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                                          | S1.7.1                 | 1.7.1 Optimize Refrigeration Compressor Efficiency and Test and Evaluate Alternative Refrigerants                  | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,997,411             | \$1,997,411                | \$925,500     | \$59,837                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/15/2020            | 11/29/2024         | Ended                       |
| GFO-18-305     | EPC-19-026               | 1                                                         | Center for Sustainable Energy           | Developing Lessons Learned, Best Practices, Training Materials, and Guidebooks for Customer Side of the Meter Energy Storage | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                          | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$244,000     | \$349,527                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/13/2020             | 6/1/2020             | 3/31/2027          | Active (Open)               |
| GFO-19-303     | EPC-19-029               | 1                                                         | Hell's Kitchen Geothermal LLC           | Improved Silica Removal for Enhanced Geothermal Plant Performance                                                            | S4.3                  | 4.3 Increase the Strategic Value of Flexible CSP and Geothermal to the Electricity System                                             | S4.3.2                 | 4.3.2 Geothermal Energy Advancement for a Reliable Renewable Electricity System                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,999,599             | \$2,999,599                | \$55,833      | \$1,055,530                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/1/2020             | 6/30/2025          | Ended                       |
| GFO-19-301     | EPC-19-030               | 1                                                         | Association for Energy Affordability    | Large Capacity CO2 Central Heat Pump Water Heating Technology Evaluation and Demonstration                                   | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,800,193             | \$2,800,193                | \$1,227,128   | \$422,709                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/17/2020            | 6/30/2026          | Active (Open)               |
| GFO-19-305     | EPC-19-031               | 1                                                         | Antora Energy, Inc.                     | Solid-state Long Duration Energy Storage for Industrial Applications                                                         | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                          | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,999,787             | \$1,999,787                | \$2,071,313   | \$99,176                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-301     | EPC-19-032               | 1                                                         | Association for Energy Affordability    | Low-GWP Mechanical Modules for Rapid Deployment Project (LG-MM)                                                              | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,499,926             | \$1,499,926                | \$58,520      | \$104,657                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2025          | Ended                       |
| GFO-19-307     | EPC-19-033               | 1                                                         | Lawrence Berkeley National Laboratory   | Demonstrating Benefits of Highly Insulating Thin-Triple Window Retrofits in California                                       | S1.2                  | 1.2 Showcase Benefits of Advanced Window and Building Envelope Systems                                                                | S1.2.1                 | 1.2.1 Deploy Next Generation Window and Building Envelope Systems in Existing Residential and Commercial Buildings | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,850,000             | \$1,850,000                | \$630,000     | \$465,885                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-305     | EPC-19-034               | 1                                                         | e-Zinc Inc                              | Commercialization of Lowest-Cost, Long Duration Energy Storage Systems                                                       | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                          | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,286,777             | \$1,286,777                | \$411,010     | \$73,640                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 6/10/2020             | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-307     | EPC-19-035               | 1                                                         | Electric Power Research Institute, Inc. | Advancing Energy Efficiency in Manufactured Homes Through High Performance Envelope                                          | S1.2                  | 1.2 Showcase Benefits of Advanced Window and Building Envelope Systems                                                                | S1.2.3                 | 1.2.3 Multifamily Factory Built Homes Competition for Highly Efficient Building Envelopes                          | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,999,982             | \$1,999,982                | \$402,998     | \$457,245                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 8/31/2026          | Active (Open)               |
| GFO-19-307     | EPC-19-036               | 1                                                         | Rocky Mountain Institute                | Varieties of Prefabricated Envelope Solutions for CA Low-Rise Buildings                                                      | S1.2                  | 1.2 Showcase Benefits of Advanced Window and Building Envelope Systems                                                                | S1.2.2                 | 1.2.2 Builder Competition for Best Residential Envelopes                                                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,917,967             | \$1,917,967                | \$170,624     | \$269,494                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2024          | Ended                       |
| GFO-19-305     | EPC-19-037               | 1                                                         | Dash2energy LLC                         | Demand Based Renewable Hydrogen Power-to-Power Project                                                                       | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                          | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,275,475             | \$1,275,475                | \$275,000     | \$53,523                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Minority Owned                              | 6/10/2020             | 6/30/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-310     | EPC-19-038               | 1                                                         | Smartville, Inc.                        | Low-Cost and Easy-to-Integrate Second-Life Battery HUB                                                                       | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                          | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,035,787             | \$2,035,787                | \$955,256     | \$79,875                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2025          | Ended                       |
| GFO-19-310     | EPC-19-039               | 1                                                         | RePurpose Energy, Inc.                  | Reuse of Electric Vehicle Batteries for Solar Energy Storage                                                                 | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                          | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$1,042,541   | \$210,998                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 6/29/2027          | Active (Open)               |
| GFO-19-305     | EPC-19-040               | 1                                                         | Salient Energy Inc.                     | California Zinc-ion Energy Storage Development and Validation Project                                                        | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                          | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,583,125             | \$1,583,125                | \$1,598,812   | \$64,904                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 6/10/2020             | 6/30/2020            | 3/31/2025          | Completed                   |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                      | Project Title                                                                                                    | Strategic Objective # | Strategic Objective                                                                                                                                                             | Strategic Initiative # | Strategic Initiative                                                                                     | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-19-305     | EPC-19-041               | 1                                                         | Form Energy, Inc.                          | Demonstrating an Aqueous Air-Breathing Energy Storage System for Multi-Day Resiliency                            | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,998,215             | \$1,998,215                | \$1,603,078   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 6/10/2020             | 6/30/2020            | 12/31/2025         | Ended                       |
| GFO-19-305     | EPC-19-042               | 1                                                         | Zelos Energy LTD                           | Zinc Batteries for California Electrical Customer Power Backup                                                   | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,747,721             | \$1,747,721                | \$621,870     | \$355,461                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2025          | Completed                   |
| GFO-19-307     | EPC-19-043               | 1                                                         | Institute of Gas Technology dba GTI Energy | Advanced Energy-efficient and Fire-resistive Envelope Systems Utilizing Vacuum Insulation for Manufactured Homes | S1.2                  | 1.2 Showcase Benefits of Advanced Window and Building Envelope Systems                                                                                                          | S1.2.3                 | 1.2.3 Multifamily Factory Built Homes Competition for Highly Efficient Building Envelopes                | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,000,000             | \$2,000,000                | \$801,557     | \$658,603                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 6/30/2026          | Active (Open)               |
| GFO-19-305     | EPC-19-044               | 1                                                         | T2M Global LLC                             | Ultra-high Efficiency, Lower-Cost, Green Electrolytic H2 for Microgrids in California                            | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$995,250               | \$995,250                  | \$300,433     | \$117,500                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/29/2024          | Completed                   |
| GFO-19-306     | EPC-19-045               | 1                                                         | GRID Alternatives                          | Critical Resilience for Fire and Emergency Facilities with the Soboba Band of Luiseno                            | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,710,494             | \$1,710,494                | \$472,610     | \$298,664                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Woman Own                                   | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-306     | EPC-19-046               | 1                                                         | Indian Energy LLC                          | Demonstrating a Long-duration Flywheel Energy Storage System                                                     | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,218,374             | \$1,218,374                | \$1,344,305   | \$32,360                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 12/31/2026         | Active (Open)               |
| GFO-19-306     | EPC-19-047               | 1                                                         | BoxPower Inc.                              | CATAPULT: "California Title 24 Advanced Power Utilization Technology"                                            | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$999,099               | \$999,099                  | \$253,095     | \$287,885                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Micro Business, Calif Based Entity                              | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-306     | EPC-19-050               | 1                                                         | Rincon Band of Luiseno Indians             | Rincon Long Duration Energy Storage Solar Microgrid                                                              | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$7,282,496             | \$6,618,744                | \$8,634,550   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-306     | EPC-19-050               | 1                                                         | Rincon Band of Luiseno Indians             | Rincon Long Duration Energy Storage Solar Microgrid                                                              | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | -\$663,752              |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-306     | EPC-19-051               | 1                                                         | Indian Energy LLC                          | Hybrid Modular Storage System (HMSS) as a long-duration energy storage technology Demonstration                  | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$5,002,334             | \$5,002,334                | \$10,806,410  | \$401,225                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-310     | EPC-19-053               | 1                                                         | San Diego State University Foundation      | Cost-Effective Integration of Second-life EV Batteries with Solar PV Systems for Commercial Buildings            | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,837,672             | \$2,837,672                | \$835,375     | \$407,945                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 12/31/2026         | Active (Open)               |
| GFO-19-306     | EPC-19-054               | 1                                                         | Electric Power Research Institute, Inc.    | Demonstrating Code-compliant Energy Storage Systems and Their Capabilities for Grid Harmonization                | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$999,841               | \$999,841                  | \$200,017     | \$344,172                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-310     | EPC-19-055               | 1                                                         | ReJoule Incorporated                       | Enabling EV Battery Circular Economy                                                                             | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,970,774             | \$2,970,774                | \$411,219     | \$178,609                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 12/31/2026         | Active (Open)               |
| GFO-19-308     | EPC-19-056               | 1                                                         | Energy & Environmental Economics, Inc.     | Assessing Long-duration Energy Storage Deployment Scenarios to Meet California's Energy Goals                    | S3.4                  | 3.4 Define and Demonstrating the Locational Benefit and Best Configuration of Grid-Level Energy Storage as the California Grid Transitions to More Distributed Energy Resources | S3.4.1                 | 3.4.1 Assessment and Simulation Study of California Grid with Optimized Grid-Level Energy Storage        | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$315,322     | \$540,062                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 8/17/2020            | 3/31/2024          | Ended                       |
| GFO-19-306     | EPC-19-058               | 1                                                         | Antelope Valley Water Storage, LLC         | Long Duration 50 kW Energy Storage with Aquifer Pumped Hydro                                                     | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,000,000             | \$2,000,000                | \$500,000     | \$12,402                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                         | Project Title                                                                                                                              | Strategic Objective # | Strategic Objective                                                                                                                                                             | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-19-306     | EPC-19-059               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus | Residential Solar+Storage Control Unit for Providing Grid Services and Demand Side Management                                              | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$939,232               | \$939,232                  | \$362,250     | \$147,600                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 7/1/2020             | 3/31/2028          | Active (Open)               |
| GFO-19-308     | EPC-19-060               | 1                                                         | The Regents of the University of California, Merced                           | Modeling of Long-Duration Storage for Decarbonization of California Energy System                                                          | S3.4                  | 3.4 Define and Demonstrating the Locational Benefit and Best Configuration of Grid-Level Energy Storage as the California Grid Transitions to More Distributed Energy Resources | S3.4.1                 | 3.4.1 Assessment and Simulation Study of California Grid with Optimized Grid-Level Energy Storage                                                                                                                                                                                                                                                                                                                                                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,254,955             | \$1,254,955                | \$505,826     | \$188,843                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2024          | Completed                   |
| GFO-18-902     | EPC-20-001               | 1                                                         | Lawrence Berkeley National Laboratory                                         | Energy-Water Desalination Hub                                                                                                              | S6.1                  | 6.1 Reduce the Energy Intensity Required to Supply and Treat Water                                                                                                              | S6.1.1; S6.1.2; S6.1.3 | 6.1.1 Develop and Test Novel Energy Efficient Treatment Methods for Conventional and Non-Conventional Sources of Water Supply ; 6.1.2 Develop and Demonstrate Tools and Strategies to Help Water and Wastewater Agencies Lower Energy Use, Increase Efficiency and Reduce the Carbon Intensity of its Operations ; 6.1.3 Develop and Demonstrate Advanced Energy Efficiency Improvements to Allow for On-Site Wastewater Treatment and Reuse for Industrial Facilities and Water Intensive Industries | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$0           | \$1,493,597                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/12/2020             | 8/30/2020            | 3/31/2025          | Ended                       |
| GFO-19-306     | EPC-20-002               | 1                                                         | Charge Bliss, Inc.                                                            | Essential Power Support for the Kaiser Permanente Ontario Medical Center using Long Duration Batteries within a Renewable Energy Microgrid | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$8,351,000             | \$8,351,000                | \$7,549,000   | \$142,698                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Micro Business, Calif Based Entity                              | 9/9/2020              | 6/30/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-301     | EPC-20-004               | 1                                                         | Redwood Energy                                                                | Central Heat Pump Water Heater Load Flexibility                                                                                            | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services                                                        | S3.1.2                 | 3.1.2 Assess Performance of Load Control Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,043,755             | \$2,043,755                | \$48,200      | \$119,460                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/25/2021             | 1/3/2021             | 12/31/2025         | Ended                       |
| GFO-19-305     | EPC-20-005               | 1                                                         | Technology & Investment Solutions, LLC                                        | Hy2green - Electrolytic Hydrogen Energy Storage Using Novel Metal Hydrides                                                                 | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,766,775             | \$1,766,775                | \$167,450     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 3/31/2027          | Active (Open)               |
| GFO-19-311     | EPC-20-006               | 1                                                         | The Regents of California, San Diego                                          | Development of Climate Projections for California and Identification of Priority Projections                                               | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events                                                                              | S7.2.1                 | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options                                                                                                                                                                                                                                                                                                                                                                                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$116,955     | \$289,305                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/25/2021             | 1/30/2021            | 3/31/2026          | Active (Open)               |
| GFO-19-311     | EPC-20-007               | 1                                                         | Eagle Rock Analytics, Inc.                                                    | A Co-Produced Climate Data and Analytics Platform to Support California's Electricity Resilience Investments                               | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events                                                                              | S7.2.1; S7.2.3         | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options; 7.2.3 Integrate Climate Readiness into Electricity System Operations, Tools, and Models                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,500,000             | \$3,500,000                | \$339,500     | \$690,361                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 1/25/2021             | 1/13/2021            | 3/31/2026          | Active (Open)               |
| GFO-19-306     | EPC-20-008               | 1                                                         | Antelope Valley Water Storage, LLC                                            | Long Duration 200 kW Energy Storage with Aquifer Pumped Hydro                                                                              | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                                                                    | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$6,406,950             | \$6,406,950                | \$3,200,000   | \$70,470                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2021             | 2/15/2021            | 6/28/2026          | Active (Open)               |
| GFO-20-303     | EPC-20-009               | 1                                                         | The Regents of the University of California, San Diego Foundation             | Smart Plug Load Controls Integrated with Building Energy Management Systems                                                                | S1.5                  | 1.5 Increase Plug Loads and Consumer Electronics Efficiency                                                                                                                     | S1.5.3                 | 1.5.3 Large-Scale Demonstrations of Low Energy Consuming Plug-In Devices with the High Potential for Market Adoption and Penetration                                                                                                                                                                                                                                                                                                                                                                  | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,028,125             | \$1,028,125                | \$370,125     | \$73,078                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/10/2021             | 3/1/2021             | 1/31/2025          | Ended                       |
| GFO-20-303     | EPC-20-010               | 1                                                         | California Energy Alliance                                                    | Energy and Appliance Standards for Plug Loads: Assessing Current Needs and Future Opportunities                                            | S1.1                  | 1.1 Accelerate Product Development and Market Acceptance of Solid-state Lighting Technologies and Designs                                                                       | S1.1.2                 | 1.1.2 Test Novel Luminaire Systems Architecture And Form Factors That Leverage The Unique Properties Of LEDs                                                                                                                                                                                                                                                                                                                                                                                          | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$996,974               | \$996,974                  | \$19,580      | \$198,525                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/10/2021             | 3/1/2021             | 9/30/2024          | Ended                       |
| GFO-20-301     | EPC-20-011               | 1                                                         | EnergyHub, Inc.                                                               | Increasing Access to Smart and Affordable Energy for Customers and Resource Adequacy for the California Grid                               | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                                                                            | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,000,000             | \$1,863,275                | \$1,333,815   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 3/17/2021             | 4/16/2021            | 6/30/2027          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                 | Project Title                                                                                                                           | Strategic Objective # | Strategic Objective                                                                                                      | Strategic Initiative # | Strategic Initiative                                                                                                                       | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-20-301     | EPC-20-011               | 1                                                         | EnergyHub, Inc.                       | Increasing Access to Smart and Affordable Energy for Customers and Resource Adequacy for the California Grid                            | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | -\$136,725              |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 3/17/2021             | 4/16/2021            | 6/30/2027          | Active (Open)               |
| GFO-20-301     | EPC-20-012               | 1                                                         | All Power Labs, Inc.                  | Development and Demonstration of Distributed Biomass CHP Microgrid Systems                                                              | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$3,287,890             | \$3,287,890                | \$1,988,074   | \$496,500                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 4/14/2021             | 4/19/2021            | 3/31/2025          | Ended                       |
| GFO-20-301     | EPC-20-013               | 1                                                         | Noon Energy Inc.                      | Pilot Demo of Ultra Low Cost, Long-Duration Energy Storage Coupled to Solar Power                                                       | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,166,000             | \$2,166,000                | \$1,950,000   | \$438,095                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2021             | 4/15/2021            | 9/30/2026          | Active (Open)               |
| GFO-20-301     | EPC-20-014               | 1                                                         | Next Energy Technologies              | Rapid Innovation Development of Energy Generating Windows for Zero- and Negative-Carbon Emission Buildings                              | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$2,500,133   | \$923,875                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2021             | 4/16/2021            | 3/31/2025          | Completed                   |
| GFO-20-301     | EPC-20-015               | 1                                                         | Seption Technologies, Inc.            | Hybrid Lithium-Metal Batteries for Low-Cost and Long-Range Electric Vehicles                                                            | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,400,000             | \$1,400,000                | \$1,299,897   | \$260,994                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2021             | 4/1/2021             | 3/31/2024          | Ended                       |
| GFO-20-301     | EPC-20-016               | 1                                                         | South 8 Technologies                  | Advanced Li-ion Chemistry for Safer and Greener Electric Vehicle and Energy Storage Systems                                             | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,010,227             | \$1,010,227                | \$876,122     | \$296,525                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2021             | 4/1/2021             | 8/1/2024           | Ended                       |
| GFO-20-301     | EPC-20-017               | 1                                                         | Treau, Inc.                           | Increasing the Thermal Range and Efficiency of Affordable User-Installable Room Heat Pumps                                              | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,761,606             | \$2,761,606                | \$1,669,742   | \$789,624                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2021             | 4/1/2021             | 3/31/2025          | Ended                       |
| GFO-20-301     | EPC-20-018               | 1                                                         | Skyven Technologies, Inc.             | Transforming the techno-economics of decarbonization in California's bespoke industrial sector with a scalable front-end engineering AI | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,110,500             | \$1,110,500                | \$1,001,100   | \$157,000                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 3/17/2021             | 4/1/2021             | 10/30/2024         | Ended                       |
| N/A            | EPC-20-019               | 1                                                         | Polaris Energy Services Inc.          | Accelerated Deployment of Irrigation Pumping Demand Flexibility                                                                         | S6.2                  | 6.2 Increase the Energy and Water Efficiency of California's Food and Agricultural Sector                                | S6.2.1                 | 6.2.1 Demonstrate Advanced Water and/or Energy Efficiency Technologies to Reduce Carbon Intensity of Agriculture                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,884,912             | \$2,884,912                | \$576,982     | \$466,190                                 | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 3/31/2021            | 3/31/2025          | Completed                   |
| GFO-20-301     | EPC-20-020               | 1                                                         | Feasible, Inc.                        | Machine Learning Enhanced Acoustic Inspection to Improve Battery Manufacturing                                                          | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$901,500     | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2021             | 3/24/2021            | 6/30/2025          | Ended                       |
| PON-14-308     | EPC-20-021               | 1                                                         | The Regents of California, San Diego  | LEED: A Lightwave Energy-Efficient Datacenter Phase 2                                                                                   | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                             | S1.7.3                 | 1.7.3 Develop Strategies and Tools For Maximizing Cost Effective Energy Efficiency Strategies For Decarbonization of the Industrial Sector | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$425,000               | \$425,000                  | \$0           | \$137,496                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2021             | 3/1/2021             | 3/29/2024          | Ended                       |
| GFO-20-301     | EPC-20-022               | 1                                                         | OptiGrid, LLC                         | OptiGrid Gen 1 Development and Demonstration Project                                                                                    | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$3,468,490             | \$3,468,490                | \$4,895,578   | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Small Business, Calif Based Entity                              | 4/14/2021             | 4/21/2021            | 6/30/2029          | Active (Open)               |
| GFO-18-902     | EPC-20-023               | 1                                                         | Rocky Mountain Institute              | Scaling Industrialized Zero Emissions Retrofits in California and Beyond                                                                | S2.1                  | 2.1 Achieve Cost-Effective and Sustainable Retrofits to Highly Energy Efficient Buildings and Communities                | S2.1.1                 | 2.1.1 Develop Community Renovation for High Efficiency and Grid Resources                                                                  | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$687,500               | \$1,312,500                | \$0           | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 4/15/2021            | 4/30/2027          | Active (Open)               |
| GFO-18-902     | EPC-20-023               | 1                                                         | Rocky Mountain Institute              | Scaling Industrialized Zero Emissions Retrofits in California and Beyond                                                                | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                          | S4.1                   | 4.1 Building Decarbonization                                                                                                               | 2021-2025 EPIC Program 4th Investment Plan         | Applied Research and Development        | \$625,000               |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 4/15/2021            | 4/30/2027          | Active (Open)               |
| GFO-19-309     | EPC-20-025               | 1                                                         | Lawrence Berkeley National Laboratory | Achieving Integrated and Equitable Decarbonized Loads with CalFlexHub                                                                   | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services | S3.1.1; S3.1.3         | 3.1.1 Pilot Test for the Next-Generation Demand Response Landscape; 3.1.3 Assess iDERs and Load Management Systems                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$7,000,000             | \$16,000,000               | \$3,362,000   | \$4,213,091                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 9/30/2026          | Active (Open)               |
| GFO-19-309     | EPC-20-025               | 1                                                         | Lawrence Berkeley National Laboratory | Achieving Integrated and Equitable Decarbonized Loads with CalFlexHub                                                                   | S2.1                  | 2.1 Achieve Cost-Effective and Sustainable Retrofits to Highly Energy Efficient Buildings and Communities                | S2.1.1                 | 2.1.1 Develop Community Renovation for High Efficiency and Grid Resources                                                                  | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$9,000,000             |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 9/30/2026          | Active (Open)               |
| GFO-20-301     | EPC-20-026               | 1                                                         | Caban Systems, Inc.                   | Advanced Energy Storage for California's Critical Infrastructure Project                                                                | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                       | 2018-2020 EPIC Program Project                     | Applied Research and Development        | \$1,095,264             | \$1,095,264                | \$987,764     | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 4/14/2021            | 3/31/2029          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                       | Project Title                                                                                                                                        | Strategic Objective # | Strategic Objective                                                                                                      | Strategic Initiative # | Strategic Initiative                                                                                                                 | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                             |                                                                                                                                                      |                       |                                                                                                                          |                        |                                                                                                                                      | 3rd Investment Plan                                |                                         |                         |                            |               |                                           |                   |                                                |                                                  |                                                                      |                       |                      |                    |                             |
| GFO-20-301     | EPC-20-027               | 1                                                         | Cuberg, Inc.                                                | High-Performance Battery Systems to Power the Rise of Electric Mobility                                                                              | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$3,499,525             | \$3,499,525                | \$3,322,300   | \$1,124,175                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 3/30/2024          | Ended                       |
| GFO-20-301     | EPC-20-028               | 1                                                         | Nextech Batteries, Inc.                                     | Bringing Lithium Sulfur Technology to Market                                                                                                         | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,996,782             | \$2,996,782                | \$1,500,000   | \$279,928                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 4/14/2021             | 5/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-302     | EPC-20-029               | 1                                                         | Antora Energy, Inc.                                         | Manufacturing Scale-up of Record-Breaking Solid-State Heat Engine for Deep Decarbonization in California                                             | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$2,999,695             | \$2,999,695                | \$2,745,457   | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 3/31/2025          | Ended                       |
| GFO-20-303     | EPC-20-030               | 1                                                         | Electric Power Research Institute, Inc.                     | Smart, Hybrid, Grid-Connected Exterior Lighting Systems.                                                                                             | S1.1                  | 1.1 Accelerate Product Development and Market Acceptance of Solid-state Lighting Technologies and Designs                | S1.1.2                 | 1.1.2 Test Novel Luminaire Systems Architecture And Form Factors That Leverage The Unique Properties Of LEDS                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$500,000               | \$3,308,595                | \$983,000     | \$790,343                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 6/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-303     | EPC-20-030               | 1                                                         | Electric Power Research Institute, Inc.                     | Smart, Hybrid, Grid-Connected Exterior Lighting Systems.                                                                                             | S1.5                  | 1.5 Increase Plug Loads and Consumer Electronics Efficiency                                                              | S1.5.3                 | 1.5.3 Large-Scale Demonstrations of Low Energy Consuming Plug-In Devices with the High Potential for Market Adoption and Penetration | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,808,595             |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 6/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-303     | EPC-20-031               | 1                                                         | Regents of the University of California, Davis              | Renewable Energy & Advanced Lighting Systems for Exterior Applications                                                                               | S1.1                  | 1.1 Accelerate Product Development and Market Acceptance of Solid-state Lighting Technologies and Designs                | S1.1.2                 | 1.1.2 Test Novel Luminaire Systems Architecture And Form Factors That Leverage The Unique Properties Of LEDS                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,026                 | \$4,166,306                | \$1,250,000   | \$506,771                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 6/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-303     | EPC-20-031               | 1                                                         | Regents of the University of California, Davis              | Renewable Energy & Advanced Lighting Systems for Exterior Applications                                                                               | S1.5                  | 1.5 Increase Plug Loads and Consumer Electronics Efficiency                                                              | S1.5.3                 | 1.5.3 Large-Scale Demonstrations of Low Energy Consuming Plug-In Devices with the High Potential for Market Adoption and Penetration | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,163,280             |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 6/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-302     | EPC-20-032               | 1                                                         | Ubiquitous Energy, Inc.                                     | Productizing Transparent Solar Windows: Enabling Production of Transparent Renewable Energy Generating Windows                                       | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$2,997,343             | \$2,997,343                | \$5,181,615   | \$50,976                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 5/14/2021            | 3/31/2025          | Ended                       |
| GFO-20-302     | EPC-20-033               | 1                                                         | Halo Industries, Inc.                                       | Production Scale-Up of Conductive Silicon Carbide Wafer Technology for Electric Vehicle and Charging Infrastructure Power Electronics Cost Reduction | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$3,000,000             | \$3,000,000                | \$2,700,000   | \$419,800                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 3/31/2025          | Ended                       |
| N/A            | EPC-20-034               | 1                                                         | OhmConnect, Inc.                                            | Building Resiliency from Within                                                                                                                      | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services | S3.1.2                 | 3.1.2 Assess Performance of Load Control Systems                                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$3,000,000             | \$3,000,000                | \$600,000     | \$0                                       | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 6/1/2021             | 6/30/2024          | Completed                   |
| GFO-20-302     | EPC-20-035               | 1                                                         | Twelve Benefits Corporation (Formerly Opus 12 Incorporated) | Low rate production pilot line for CO2 electroreduction Membrane Electrode Assembly fabrication                                                      | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$3,000,000             | \$3,000,000                | \$1,811,065   | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/14/2021             | 4/14/2021            | 3/31/2025          | Completed                   |
| N/A            | EPC-20-036               | 1                                                         | AgMonitor Inc.                                              | Load Shifting During Critical Summer Hours via Programmable Irrigation                                                                               | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services | S3.1.2                 | 3.1.2 Assess Performance of Load Control Systems                                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$349,972               | \$349,972                  | \$87,368      | \$59,400                                  | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Small Business, Calif Based Entity                              | 5/12/2021             | 5/15/2021            | 6/30/2023          | Ended                       |
| GFO-20-301     | EPC-20-037               | 1                                                         | Stasis Energy Group LLC                                     | Stasis Energy Group Thermal Energy Storage System (TESS) for Packaged HVAC Systems                                                                   | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,634,740             | \$1,634,740                | \$1,169,571   | \$148,613                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/12/2021             | 6/1/2021             | 3/31/2025          | Completed                   |
| GFO-20-304     | EPC-20-038               | 1                                                         | MOEV Inc.                                                   | Artificial Intelligence Based Heavy-Duty Fleet Charging to enable Distributed Energy Resource Integration                                            | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                                        | S3.2.1                 | 3.2.1 Grid-Friendly PEV Mobility                                                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$3,319,387             | \$3,319,387                | \$3,000,000   | \$794,793                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/12/2021             | 6/1/2021             | 5/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-20-039               | 1                                                         | EPC Power Corp.                                             | Solid-State DC-DC Power Electronics for Grid-Scale Lithium EV Battery Pack Integration                                                               | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,499,532             | \$3,499,532                | \$1,750,246   | \$784,760                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/12/2021             | 1/12/2022            | 3/31/2026          | Active (Open)               |
| GFO-20-304     | EPC-20-040               | 1                                                         | Lawrence Berkeley National Laboratory                       | Innovative School Bus Charging for Resilient Communities                                                                                             | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                                        | S3.2.1                 | 3.2.1 Grid-Friendly PEV Mobility                                                                                                     | 2018-2020 EPIC Program Project                     | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$1,285,822   | \$782,042                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/12/2021             | 6/1/2021             | 3/31/2027          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                          | Project Title                                                                                                                      | Strategic Objective # | Strategic Objective                                                                                               | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                          | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                |                                                                                                                                    |                       |                                                                                                                   |                        |                                                                                                                                                                                                                                               | 3rd Investment Plan                                |                                         |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
| GFO-20-304     | EPC-20-042               | 1                                                         | TA Operating LLC                               | TAking Charge: TravelCenters of America Ultra-Fast En-Route Charging                                                               | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                      | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$1,232,123   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 6/9/2021              | 7/26/2021            | 9/30/2027          | Active (Open)               |
| GFO-20-309     | EPC-20-043               | 1                                                         | Regents of the University of California, Davis | Optimized Controls for Cooling California Dairy Cows                                                                               | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                      | S1.7.2                 | 1.7.2 Develop and Deploy Sensors and Software to Optimize Compressed Air and Other Related Systems to Minimize Energy Losses and Maximize Efficiency                                                                                          | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,529,705             | \$1,529,705                | \$306,451     | \$246,762                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/9/2021              | 6/30/2021            | 3/31/2026          | Active (Open)               |
| GFO-20-309     | EPC-20-044               | 1                                                         | Caliskaner Water Technologies, Inc.            | Demonstration of Advanced Primary and Secondary Treatment Technologies for Energy and Performance Benefits to Wastewater Treatment | S6.1                  | 6.1 Reduce the Energy Intensity Required to Supply and Treat Water                                                | S6.1.2                 | 6.1.2 Develop and Demonstrate Tools and Strategies to Help Water and Wastewater Agencies Lower Energy Use, Increase Efficiency and Reduce the Carbon Intensity of its Operations                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$2,669,214   | \$1,289,918                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/9/2021              | 6/21/2021            | 3/31/2025          | Ended                       |
| GFO-20-309     | EPC-20-045               | 1                                                         | Empowered Solutions, LLC                       | Artificial Intelligence for Energy Efficiency Optimization in California Dairy Operations                                          | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                      | S1.7.2; S1.7.4         | 1.7.2 Develop and Deploy Sensors and Software to Optimize Compressed Air and Other Related Systems to Minimize Energy Losses and Maximize Efficiency; 1.7.4 Large Scale Deployment of Pre-Commercial Technologies with Demonstrated Potential | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,638,868             | \$1,638,868                | \$445,798     | \$169,163                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/9/2021              | 6/30/2021            | 12/31/2026         | Active (Open)               |
| GFO-20-304     | EPC-20-046               | 1                                                         | Sysco Riverside, Inc.                          | Distributed Resources for Diversified Renewable Energy Project                                                                     | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                      | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$17,934,535  | \$298,396                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 6/9/2021              | 7/1/2021             | 3/31/2027          | Active (Open)               |
| GFO-20-309     | EPC-20-047               | 1                                                         | Zira Group Inc (DBA Lightapp)                  | Leveraging Artificial Intelligence and Machine Learning to Increase Energy Efficiency in California Dairies                        | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                      | S1.7.2; S1.7.4         | 1.7.2 Develop and Deploy Sensors and Software to Optimize Compressed Air and Other Related Systems to Minimize Energy Losses and Maximize Efficiency; 1.7.4 Large Scale Deployment of Pre-Commercial Technologies with Demonstrated Potential | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,227,648             | \$4,227,648                | \$1,665,912   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/9/2021              | 7/1/2021             | 3/31/2025          | Ended                       |
| GFO-20-309     | EPC-20-048               | 1                                                         | Gate 5 Energy Partners, Inc                    | Demonstration of Advanced Primary and Secondary Wastewater Treatment Technology                                                    | S6.1                  | 6.1 Reduce the Energy Intensity Required to Supply and Treat Water                                                | S6.1.2                 | 6.1.2 Develop and Demonstrate Tools and Strategies to Help Water and Wastewater Agencies Lower Energy Use, Increase Efficiency and Reduce the Carbon Intensity of its Operations                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,603,779             | \$1,603,779                | \$332,920     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/9/2021              | 6/30/2021            | 6/30/2025          | Ended                       |
| GFO-20-310     | EPC-21-001               | 1                                                         | GRID Alternatives                              | Enabling California's Resilient Tribal Communities with Mobile Renewable Power                                                     | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load                                                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,000,000             | \$1,000,000                | \$200,157     | \$51,319                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Woman Own                                   | 7/15/2021             | 7/15/2021            | 3/31/2025          | Ended                       |
| GFO-20-310     | EPC-21-002               | 1                                                         | One-Cycle Control, Inc.                        | Demonstration of 15 kW Silicon-Carbide enabled OCC-MORBUGs                                                                         | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load                                                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,971,467             | \$1,971,467                | \$394,901     | \$638,792                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/15/2021             | 9/30/2021            | 3/31/2027          | Active (Open)               |
| GFO-20-310     | EPC-21-003               | 1                                                         | Electric Power Research Institute, Inc.        | Mobile Hydrogen Fuel Cell Generation System                                                                                        | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load                                                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,999,953             | \$1,999,953                | \$1,003,503   | \$349,290                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/15/2021             | 7/16/2021            | 3/31/2028          | Active (Open)               |
| GFO-20-310     | EPC-21-004               | 1                                                         | Uprise Energy, LLC                             | Demonstrating Mobile Renewable Back-up generation with Uprise Energy's Mobile Power Station                                        | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,589,012             | \$1,589,012                | \$663,598     | \$348,637                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/15/2021             | 8/1/2021             | 3/30/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                   | Project Title                                                                                                   | Strategic Objective # | Strategic Objective                                                                                | Strategic Initiative # | Strategic Initiative                                                                                     | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                         |                                                                                                                 |                       |                                                                                                    |                        | Effects of DER on Gross Load                                                                             |                                                    |                                         |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
| GFO-20-304     | EPC-21-006               | 1                                                         | WattEV, Inc.                            | 21st Century Truck Stop: 1st MD/HD eTruckStop in California                                                     | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage       | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$6,758,594   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/8/2021              | 6/1/2021             | 7/31/2026          | Active (Open)               |
| GFO-20-304     | EPC-21-007               | 1                                                         | eIQ Mobility                            | Building a Scalable and Repeatable School Bus Electrification Business (BuSy Bees)                              | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                  | S3.2.1                 | 3.2.1 Grid-Friendly PEV Mobility                                                                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,192,175             | \$2,192,175                | \$238,121     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 10/13/2021            | 10/22/2021           | 9/30/2026          | Active (Open)               |
| GFO-20-308     | EPC-21-008               | 1                                                         | The Regents of California, San Diego    | Development of Efficient and Scalable Direct Recycling Technology for Lithium-Ion Batteries                     | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                  | S3.2.2                 | 3.2.2 Battery Second Use                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,684,308             | \$1,684,308                | \$1,364,060   | \$141,867                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/11/2021             | 8/30/2021            | 9/30/2025          | Ended                       |
| GFO-20-308     | EPC-21-009               | 1                                                         | OnTo Technology LLC                     | Cathode-Healing for Recycling and Manufacturing of Lithium-ion Batteries                                        | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                  | S3.2.2                 | 3.2.2 Battery Second Use                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,001,807             | \$1,001,807                | \$972,651     | \$282,761                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 8/11/2021             | 8/30/2021            | 3/31/2026          | Active (Open)               |
| GFO-20-306     | EPC-21-010               | 1                                                         | Electric Power Research Institute, Inc. | Electric Truck Research and Utilization Center (eTRUC) for RHETTA                                               | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage       | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$4,999,155             | \$12,999,155               | \$6,327,619   | \$4,408,794                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/13/2021            | 11/1/2021            | 6/30/2027          | Active (Open)               |
| GFO-20-306     | EPC-21-010               | 1                                                         | Electric Power Research Institute, Inc. | Electric Truck Research and Utilization Center (eTRUC) for RHETTA                                               | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage       | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$8,000,000             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/13/2021            | 11/1/2021            | 6/30/2027          | Active (Open)               |
| GFO-20-301     | EPC-21-012               | 1                                                         | Swift Solar Inc.                        | High Efficiency Perovskite Tandems for Solar Electric Vehicles                                                  | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry               | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,995,200             | \$2,995,200                | \$1,760,000   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/26/2022             | 1/26/2022            | 8/31/2027          | Active (Open)               |
| GFO-20-301     | EPC-21-013               | 1                                                         | Yotta Energy, Inc.                      | Demonstrating Distributed Solar Plus Storage with Battery Backup Capability for Grid Resilience and Reliability | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry               | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,229,174             | \$1,229,174                | \$861,650     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 2/16/2022             | 2/1/2022             | 1/26/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-014               | 1                                                         | Intertie Incorporated                   | Advanced Power Electronics to Enable Fast Charging While Avoiding Grid Upgrades                                 | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry               | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,000,000             | \$2,000,000                | \$1,108,996   | \$205,625                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/26/2022             | 1/30/2022            | 3/31/2027          | Active (Open)               |
| GFO-20-301     | EPC-21-015               | 1                                                         | GreenFire Energy, Inc.                  | Steam Dominated GreenLoop: Proof of Concept at The Geysers, California                                          | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry               | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,705,228             | \$2,705,228                | \$1,486,008   | \$123,584                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/16/2022             | 1/26/2022            | 3/31/2027          | Active (Open)               |
| GFO-20-301     | EPC-21-016               | 1                                                         | Icarus RT, Inc.                         | R3A08: Icarus Hybrid Photovoltaic/Thermal Solar Plus Storage Cogeneration System                                | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry               | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,087,588             | \$1,087,588                | \$346,253     | \$21,048                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/26/2022             | 2/4/2022             | 3/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-017               | 1                                                         | Carnot Compression Inc.                 | R3A05: Carnot Compressor Field Testing                                                                          | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry               | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,028,350             | \$2,028,350                | \$510,000     | \$183,032                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/26/2022             | 1/26/2022            | 3/31/2027          | Active (Open)               |
| GFO-20-310     | EPC-21-018               | 1                                                         | RockeTruck, Inc.                        | Development and Demonstration of a Mobile Fuel Cell Generator (MFCG)                                            | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events | S7.2.1                 | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options                | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$1,210,567   | \$753,877                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/16/2022             | 2/16/2022            | 12/31/2027         | Active (Open)               |
| GFO-20-302     | EPC-21-019               | 1                                                         | Porifera, Inc.                          | Manufacturing of Large Format Osmotic Membrane Module                                                           | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry               | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$2,980,226             | \$2,980,226                | \$2,100,365   | \$772,651                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2022              | 4/8/2022             | 3/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-020               | 1                                                         | SPARKZ, Inc.                            | Ultra-High Energy Lithium Metal Battery System Based on Solid Electrolyte and Cobalt Free Cathode               | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry               | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,676,670             | \$2,676,670                | \$1,142,346   | \$726,751                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/9/2022              | 3/10/2022            | 3/31/2026          | Active (Open)               |
| GFO-20-305     | EPC-21-021               | 1                                                         | ConSol                                  | Reimagining Affordable Mixed-Use Development in a Carbon-Constrained Future                                     | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                      | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$999,936               | \$999,936                  | \$180,338     | \$204,546                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Calif Based Entity                              | 4/26/2022             | 5/15/2022            | 6/30/2024          | Completed                   |
| GFO-20-305     | EPC-21-022               | 1                                                         | Innovative Housing Opportunities, Inc.  | Santa Ana Environmental Justice Innovation Zone                                                                 | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                      | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                     | 2018-2020 EPIC Program Project                     | Market Facilitation                     | \$998,630               | \$998,630                  | \$800,000     | \$178,659                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Minority                                    | 4/26/2022             | 5/16/2022            | 3/29/2024          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                          | Project Title                                                                                                         | Strategic Objective # | Strategic Objective                                                                                                       | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                    | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                |                                                                                                                       |                       |                                                                                                                           |                        |                                                                                                                                                                                                                                                                                                                                                         | 3rd Investment Plan                                |                                         |                         |                            |               |                                           |                   |                          |                                                  | Owned, Woman Own                                                     |                       |                      |                    |                             |
| GFO-20-305     | EPC-21-023               | 1                                                         | National Community Renaissance                                 | Zero Emission Affordable Housing Design: Palm City Village                                                            | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$447,990     | \$320,548                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/26/2022             | 5/15/2022            | 12/31/2024         | Ended                       |
| GFO-20-305     | EPC-21-024               | 1                                                         | Communities for Global Sustainability LLC (C4GS-ZEDlife - DBA) | The Zero Energy Live/Learn Residential Ecovillage                                                                     | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$146,309     | \$110,583                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/26/2022             | 4/27/2022            | 6/30/2024          | Ended                       |
| GFO-20-305     | EPC-21-025               | 1                                                         | Family Health Centers of San Diego, Inc.                       | The Newton Avenue Project                                                                                             | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$18,199                | \$18,199                   | \$0           | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/26/2022             | 5/2/2022             | 6/30/2024          | Terminated                  |
| GFO-20-305     | EPC-21-026               | 1                                                         | Jamboree Housing Corporation                                   | Paseo Adelanto: City Hall and Zero-Emission Affordable Housing Design                                                 | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$443,025     | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/26/2022             | 5/15/2022            | 6/30/2024          | Ended                       |
| GFO-20-305     | EPC-21-027               | 1                                                         | Mutual Housing California                                      | Mutual Housing at Fairview Terrace                                                                                    | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$232,237     | \$340,913                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/26/2022             | 5/15/2022            | 6/30/2024          | Completed                   |
| GFO-20-305     | EPC-21-028               | 1                                                         | Electric Power Research Institute, Inc.                        | Net Positive Resilient All-Electric Affordable Housing at the Corona Station Residence in Petaluma                    | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$97,356      | \$254,644                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/26/2022             | 5/16/2022            | 6/30/2024          | Ended                       |
| GFO-20-305     | EPC-21-029               | 1                                                         | The Northern California Land Trust, Inc.                       | Berkeley Efficient & Resilient Mixed-Use Showcase (BERMUS)                                                            | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1;                | 2.4.1 EPIC Challenge;                                                                                                                                                                                                                                                                                                                                   | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$999,595               | \$999,595                  | \$2,884,104   | \$71,945                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/26/2022             | 5/16/2022            | 6/30/2024          | Ended                       |
| GFO-20-305     | EPC-21-030               | 1                                                         | Association for Energy Affordability                           | Harmonized Resilience at Roosevelt Village: A zero-emissions model for supportive housing                             | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$999,315               | \$999,315                  | \$1,047,802   | \$55,286                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/11/2022             | 5/15/2022            | 6/30/2025          | Ended                       |
| GFO-20-305     | EPC-21-031               | 1                                                         | Self-Help Enterprises                                          | Colegio ZNE Village                                                                                                   | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$586,600     | \$416,512                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/11/2022             | 6/1/2022             | 6/30/2024          | Completed                   |
| GFO-20-305     | EPC-21-032               | 1                                                         | SoLa Impact Opportunity Zone Fund, LP                          | Making Green Accessible                                                                                               | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,000,000             | \$1,000,000                | \$0           | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Minority Owned                              | 5/11/2022             | 6/13/2022            | 6/30/2024          | Ended                       |
| GFO-21-301     | EPC-21-033               | 1                                                         | Lawrence Berkeley National Laboratory                          | Cooking Energy and Ventilation Impacts on Children's Asthma (CEVICA)                                                  | S7.3                  | 7.3 Evaluate Strategies to Mitigate the Impacts of the Electricity System on the Environment and Public Health and Safety | S7.3.2                 | 7.3.2 Enhance Human Health and Safety Associated with the Electricity Sector                                                                                                                                                                                                                                                                            | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$4,000,000             | \$4,000,000                | \$409,280     | \$717,899                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/11/2022             | 5/30/2022            | 3/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-034               | 1                                                         | Enzinc Inc.                                                    | A Safe, High-Performance, Rechargeable, Recyclable Zinc-Based Battery for Stationary Energy Storage Applications      | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,807,600             | \$1,807,600                | \$1,183,308   | \$232,521                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/8/2022              | 6/29/2022            | 3/31/2025          | Completed                   |
| GFO-20-301     | EPC-21-035               | 1                                                         | Lookin, Inc.                                                   | In-Line Quality Control of Lithium-Ion Battery Electrodes through Terahertz Scanning                                  | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$999,947               | \$999,947                  | \$424,857     | \$147,659                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/8/2022              | 6/29/2022            | 12/31/2025         | Ended                       |
| GFO-20-301     | EPC-21-036               | 1                                                         | Element 16 Technologies, Inc                                   | Electrification of Industrial Processes with Sulfur Electric Thermal Storage                                          | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$690,000     | \$170,390                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/8/2022              | 7/1/2022             | 6/30/2025          | Ended                       |
| GFO-21-302     | EPC-21-037               | 1                                                         | Eagle Rock Analytics, Inc.                                     | Climate-Informed Generation Capacity Modeling to Support a Climate Resilient Transition to a Clean Electricity System | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events                        | S7.2.1; S7.2.2; S7.2.3 | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options; 7.2.2 Clarify Interactions between Renewable Electricity Systems and Climate Change to Ensure an Effective, Resilient Transition to Low-Carbon Energy in California; 7.2.3 Integrate Climate Readiness into Electricity System Operations, Tools, and Models | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$900,000               | \$900,000                  | \$81,001      | \$229,460                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 6/8/2022              | 6/15/2022            | 9/30/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                                                             | Strategic Objective # | Strategic Objective                                                                                               | Strategic Initiative # | Strategic Initiative                                                                                                          | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-21-302     | EPC-21-038               | 1                                                         | Eagle Rock Analytics, Inc.                                                | Climate-Informed Energy Sector Adaptation Planning Web Application via Cal-Adapt                                          | S7.1                  | 7.1 Identify Pathways for Achieving California's Energy and Climate Goals                                         | S7.1.1                 | 7.1.1 Integrated Pathways for Energy Futures: Tools and Science-Based Research for Holistic Energy Decision Making            | 2018-2020 EPIC Program Project 3rd Investment Plan         | Applied Research and Development        | \$750,000               | \$750,000                  | \$67,501      | \$167,816                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 6/8/2022              | 6/30/2022            | 7/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-039               | 1                                                         | Solid Energies Inc.                                                       | High Safety, Wide-operation-temperature, Low-cost All Solid-state Li-ion Battery Energy Storage Systems                   | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                              | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                          | 2018-2020 EPIC Program Project 3rd Investment Plan         | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$1,810,080   | \$173,585                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 6/8/2022              | 7/15/2022            | 3/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-040               | 1                                                         | The Candide Group LLC                                                     | Residential Water Bill Reduction with Self-powered Diagnostics & Services                                                 | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                              | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                          | 2018-2020 EPIC Program Project 3rd Investment Plan         | Technology Demonstration and Deployment | \$1,548,602             | \$1,548,602                | \$795,311     | \$282,333                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 6/8/2022              | 6/30/2022            | 6/30/2027          | Active (Open)               |
| GFO-21-302     | EPC-21-041               | 1                                                         | Energy & Environmental Economics, Inc.                                    | Climate-Informed Load Forecasting & Electric Grid Modeling to Support a Climate Resilient Transition to Zero-Carbon Goals | S7.1                  | 7.1 Identify Pathways for Achieving California's Energy and Climate Goals                                         | S7.1.1                 | 7.1.1 Integrated Pathways for Energy Futures: Tools and Science-Based Research for Holistic Energy Decision Making            | 2018-2020 EPIC Program Project 3rd Investment Plan         | Applied Research and Development        | \$1,950,000             | \$1,950,000                | \$97,500      | \$1,069,682                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 6/8/2022              | 6/15/2022            | 3/31/2026          | Active (Open)               |
| GFO-21-302     | EPC-22-001               | 1                                                         | Lumen Energy Strategy, LLC                                                | Advancing California's Electricity Resource Planning Tools to Assess and Improve Climate Resilience                       | S2                    | 2 Resilience and Reliability                                                                                      | S2.6                   | 2.6 R&R: Valuation of Investments in Electricity Sector Resilience                                                            | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$1,950,000             | \$1,950,000                | \$195,000     | \$27,500                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity, Minority Owned, Woman Own                   | 7/13/2022             | 7/14/2022            | 3/31/2026          | Active (Open)               |
| GFO-21-303     | EPC-22-002               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | Heavy-Duty Vehicle Electrification and its Potential as a Clean Energy Alternative for Critical Operations                | S1                    | 1 Decarbonization                                                                                                 | S1.7                   | 1.7 Decarb: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$3,000,362             | \$3,000,362                | \$2,027,631   | \$339,391                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2022             | 8/30/2022            | 2/1/2027           | Active (Open)               |
| N/A            | EPC-22-003               | 1                                                         | Smartville, Inc.                                                          | Accelerate Development of Smartville Second-Life Battery Repurposing Platform                                             | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                      | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                      | 2018-2020 EPIC Program Project 3rd Investment Plan         | Technology Demonstration and Deployment | \$769,559               | \$2,000,000                | \$0           | \$72,000                                  | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2022             | 9/9/2022             | 3/31/2026          | Active (Open)               |
| N/A            | EPC-22-003               | 1                                                         | Smartville, Inc.                                                          | Accelerate Development of Smartville Second-Life Battery Repurposing Platform                                             | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                        | S3.2                   | 3.2 Transportation Electrification                                                                                            | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,230,441             |                            |               |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2022             | 9/9/2022             | 3/31/2026          | Active (Open)               |
| GFO-21-303     | EPC-22-004               | 1                                                         | Gridtractor, Inc.                                                         | Electric Farm Vehicles as Reliable Grid Assets                                                                            | S1                    | 1 Decarbonization                                                                                                 | S1.7                   | 1.7 Decarb: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,999,567             | \$2,999,567                | \$1,071,244   | \$222,172                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2022             | 8/31/2022            | 3/31/2027          | Active (Open)               |
| GFO-21-303     | EPC-22-005               | 1                                                         | Gridscope Solutions, Inc.                                                 | Scalable, Resilient V2B Multi-Vehicle DC Platform (MVP DC) Demonstration at Public Buildings in California                | S1                    | 1 Decarbonization                                                                                                 | S1.7                   | 1.7 Decarb: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$1,071,162   | \$274,978                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/10/2022             | 8/15/2022            | 1/31/2026          | Active (Open)               |
| GFO-21-303     | EPC-22-006               | 1                                                         | Center for Transportation and the Environment, Inc.                       | "V2B Oakland"                                                                                                             | S1                    | 1 Decarbonization                                                                                                 | S1.7                   | 1.7 Decarb: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$3,199,969             | \$3,199,969                | \$368,806     | \$477,109                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 9/14/2022             | 9/30/2022            | 6/30/2027          | Active (Open)               |
| GFO-21-303     | EPC-22-007               | 1                                                         | Andromeda Power, LLC                                                      | Integrated Powertrain System - Motor/Transformer                                                                          | S2                    | 2 Resilience and Reliability                                                                                      | S2.7                   | 2.7 R&R: Vehicle-to-Building for Resilient Back-up Power                                                                      | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$3,675,637             | \$3,675,637                | \$1,066,500   | \$1,123,111                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 9/14/2022             | 10/14/2022           | 3/31/2027          | Active (Open)               |
| GFO-20-310     | EPC-22-008               | 1                                                         | The Latino Equity Advocacy & Policy Institute, The LEAP Institute         | LEAP MORBUG                                                                                                               | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load | 2018-2020 EPIC Program Project 3rd Investment Plan         | Technology Demonstration and Deployment | \$675,103               | \$675,103                  | \$168,647     | \$77,119                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity, Minority Owned                              | 10/12/2022            | 10/14/2022           | 3/31/2026          | Active (Open)               |
| N/A            | EPC-22-009               | 1                                                         | National Offshore Wind Research and Development Consortium                | National Offshore Wind Research and Development Consortium - CEC-NOWRDC Offshore Wind Block Grant Program                 | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                    | S1.2                   | 1.2 Variable Renewable Energy                                                                                                 | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$4,000,000             |                            |               |                                           | Grant             | Non-competitive <sup>4</sup>                   | 12/8/2022                                        | None                                                                 | 3/6/2023              | 3/23/2023            | 9/30/2027          | Active (Open)               |
| N/A            | EPC-22-009               | 1                                                         | National Offshore Wind Research and Development Consortium                | National Offshore Wind Research and Development Consortium - CEC-NOWRDC Offshore Wind Block Grant Program                 | S1                    | 1 Decarbonization                                                                                                 | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                                                 | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$1,000,000             | \$5,000,000                | \$1,050,656   | none                                      | Grant             | Non-competitive <sup>4</sup>                   | 12/8/2022                                        | None                                                                 | 3/6/2023              | 3/23/2023            | 9/30/2027          | Active (Open)               |
| GFO-21-304     | EPC-22-010               | 1                                                         | Liminal Insights Inc                                                      | Scaling up Production of Ultrasound-based Battery Inspection System                                                       | S3                    | 3 Entrepreneurship                                                                                                | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                                                 | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation                     | \$2,750,000             | \$2,750,000                | \$2,800,000   | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2023             | 4/13/2023            | 12/31/2026         | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                             | Project Title                                                                                                                                    | Strategic Objective # | Strategic Objective                                                                  | Strategic Initiative # | Strategic Initiative                                                                             | Investment Plan Program Period                             | Program Area                     | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-21-304     | EPC-22-011               | 1                                                         | Next Energy Technologies                                          | Accelerating the Manufacturing of Energy Generating Windows for Zero-Emission Buildings Leveraging Pilot Scale Innovations                       | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$2,997,395             | \$2,997,395                | \$2,534,530   | \$923,073                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 4/12/2023             | 5/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-21-304     | EPC-22-012               | 1                                                         | Skyven Technologies, Inc.                                         | Electrification of Industrial Heat with High-Temperature Steam-Generating Heat Pumps                                                             | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                         | 2018-2020 EPIC Program Project 3rd Investment Plan         | Market Facilitation              | \$72,845                | \$2,971,730                | \$2,975,500   | \$339,000                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 4/12/2023             | 5/15/2023            | 3/31/2027          | Active (Open)               |
| GFO-21-304     | EPC-22-012               | 1                                                         | Skyven Technologies, Inc.                                         | Electrification of Industrial Heat with High-Temperature Steam-Generating Heat Pumps                                                             | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$2,898,885             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 4/12/2023             | 5/15/2023            | 3/31/2027          | Active (Open)               |
| GFO-21-304     | EPC-22-013               | 1                                                         | TS Conductor Corp                                                 | FutureWire Manufacturing Facility                                                                                                                | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$3,000,000             | \$3,000,000                | \$5,409,458   | \$272,727                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Minority Owned                              | 4/12/2023             | 4/17/2023            | 8/31/2026          | Active (Open)               |
| GFO-21-304     | EPC-22-014               | 1                                                         | American Lithium Energy Corp.                                     | Advanced High Silicone Anode Prismatic Battery Production in California                                                                          | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                 | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                   | 2018-2020 EPIC Program Project 3rd Investment Plan         | Market Facilitation              | \$2,927,155             | \$2,997,617                | \$3,000,227   | \$314,567                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2023             | 4/24/2023            | 3/31/2028          | Active (Open)               |
| GFO-21-304     | EPC-22-014               | 1                                                         | American Lithium Energy Corp.                                     | Advanced High Silicone Anode Prismatic Battery Production in California                                                                          | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$70,462                |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2023             | 4/24/2023            | 3/31/2028          | Active (Open)               |
| GFO-21-304     | EPC-22-015               | 1                                                         | ElectricFish Energy Inc.                                          | Low Rate of Initial Production of a modular EV charger with extreme-fast vehicle charging capability                                             | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$1,690,103             | \$1,690,103                | \$2,050,000   | \$537,630                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 5/10/2023             | 5/10/2023            | 3/31/2028          | Active (Open)               |
| GFO-21-304     | EPC-22-016               | 1                                                         | LiCAP Technologies Inc.                                           | California-made Sustainable and Cost-effective Activated Dry Electrode (CASCADE)                                                                 | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                         | 2018-2020 EPIC Program Project 3rd Investment Plan         | Market Facilitation              | \$2,791,222             | \$2,927,155                | \$4,172,105   | \$189,187                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/16/2023             | 6/16/2023            | 3/31/2027          | Active (Open)               |
| GFO-21-304     | EPC-22-016               | 1                                                         | LiCAP Technologies Inc.                                           | California-made Sustainable and Cost-effective Activated Dry Electrode (CASCADE)                                                                 | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$135,933               |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/16/2023             | 6/16/2023            | 3/31/2027          | Active (Open)               |
| GFO-22-401     | EPC-23-001               | 1                                                         | Integral Consulting Inc.                                          | Integrated, Real-Time, Multi-Scale System for Monitoring Seabird Interactions with Floating Offshore Wind Technologies                           | S1                    | 1 Decarbonization                                                                    | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$3,400,868             | \$3,400,868                | \$820,070     | \$1,200,676                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-401     | EPC-23-002               | 1                                                         | Lawrence Berkeley National Laboratory                             | Integrated Monitoring of Cetacean and Ocean Environmental Impacts from Floating Offshore Wind Development on the Pacific Coast                   | S1                    | 1 Decarbonization                                                                    | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$3,500,000             | \$3,500,000                | \$609,906     | \$980,925                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-402     | EPC-23-003               | 1                                                         | RCAM Technologies                                                 | Low-Cost, Environmentally-Friendly, Concrete Anchors Made In California                                                                          | S1                    | 1 Decarbonization                                                                    | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$3,699,424             | \$3,699,424                | \$742,000     | \$508,577                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-304     | EPC-23-004               | 1                                                         | RAND Corporation                                                  | Assessing the Role of Hydrogen in California's Decarbonizing Electric System                                                                     | S1                    | 1 Decarbonization                                                                    | S1.5                   | 1.5 Decarb: The Role of Green Hydrogen in a Decarbonized California—A Roadmap and Strategic Plan | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$798,348               | \$798,348                  | \$80,000      | \$373,759                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 7/31/2025          | Ended                       |
| GFO-22-402     | EPC-23-005               | 1                                                         | University of Maine System acting through the University of Maine | Design, Validation, and Certification of a Synthetic Mooring Line System for a 15+ MW Floating Wind Turbine in the Humboldt Bay Wind Energy Area | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                       | S1.2                   | 1.2 Variable Renewable Energy                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development | \$2,162,676             | \$2,162,676                | \$240,975     | \$690,148                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-401     | EPC-23-006               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                   | Integrated Monitoring Approach to Reduce Entanglement Hazards for Floating Offshore Wind Developments                                            | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                       | S1.2                   | 1.2 Variable Renewable Energy                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development | \$1,226,505             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-401     | EPC-23-006               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                   | Integrated Monitoring Approach to Reduce Entanglement Hazards for Floating Offshore Wind Developments                                            | S1                    | 1 Decarbonization                                                                    | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$773,495               | \$2,000,000                | \$334,568     | \$394,342                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                                                                                                                                        | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                                                             | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-22-402     | EPC-23-007               | 1                                                         | Triton Anchor LLC                                                         | Advanced Anchoring System for California Floating Offshore Wind                                                                                                                                      | S1                    | 1 Decarbonization                                                                                                                   | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$3,447,131             | \$3,447,131                | \$2,533,616   | \$1,041,600                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 8/9/2023              | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-402     | EPC-23-008               | 1                                                         | Alliance for Sustainable Energy, LLC                                      | Comprehensive Shared-Mooring Solutions to Minimize the Cost, Risk, and Footprint of GW-Scale Floating Wind Farms                                                                                     | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.2                   | 1.2 Variable Renewable Energy                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,006,555             |                            |               |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-402     | EPC-23-008               | 1                                                         | Alliance for Sustainable Energy, LLC                                      | Comprehensive Shared-Mooring Solutions to Minimize the Cost, Risk, and Footprint of GW-Scale Floating Wind Farms                                                                                     | S1                    | 1 Decarbonization                                                                                                                   | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$553,445               | \$2,560,000                | \$314,442     | \$970,362                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-304     | EPC-23-009               | 1                                                         | Energy and Environmental Economics Inc. (E3)                              | Techno-economic Assessment of Hydrogen as a Decarbonization Measure for California's Electric System                                                                                                 | S1                    | 1 Decarbonization                                                                                                                   | S1.5                   | 1.5 Decarb: The Role of Green Hydrogen in a Decarbonized California—A Roadmap and Strategic Plan | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$798,805               | \$798,805                  | \$102,400     | \$314,027                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/26/2023             | 8/15/2023            | 12/15/2025         | Ended                       |
| N/A            | EPC-23-010               | 1                                                         | Antora Energy, Inc.                                                       | Manufacturability of Low-Cost InGaAs Thermophotovoltaic Devices                                                                                                                                      | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$2,999,695             | \$2,999,695                | \$1,547,445   | none                                      | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/9/2023              | 8/23/2023            | 7/31/2026          | Active (Open)               |
| GFO-22-301     | EPC-23-011               | 1                                                         | Porifera, Inc.                                                            | Low-Energy, High Recovery Treatment of Pulp and Paper Wastewater                                                                                                                                     | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$4,998,521             | \$4,998,521                | \$5,048,662   | \$999,704                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 9/13/2023             | 8/16/2023            | 3/31/2028          | Active (Open)               |
| GFO-22-301     | EPC-23-012               | 1                                                         | Element 16 Technologies, Inc                                              | Demonstration of Sulfur Electric Thermal Storage for Industrial Electrification and Decarbonization                                                                                                  | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,000,000             | \$3,000,000                | \$661,000     | \$635,580                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 9/13/2023             | 9/30/2023            | 3/31/2028          | Active (Open)               |
| GFO-22-301     | EPC-23-013               | 1                                                         | Caliskaner Water Technologies, Inc.                                       | Demonstration of Advanced Sludge Separation Treatment Technologies for Decarbonization of Wastewater Treatment Plants                                                                                | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$7,190,593             | \$7,190,593                | \$1,968,829   | \$1,097,651                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 9/13/2023             | 9/30/2023            | 3/31/2028          | Active (Open)               |
| GFO-22-301     | EPC-23-014               | 1                                                         | Capture6 Corp                                                             | Project Monarch                                                                                                                                                                                      | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$8,153,623             | \$8,153,623                | \$1,692,742   | \$91,418                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 9/13/2023             | 9/14/2023            | 3/31/2028          | Active (Open)               |
| GFO-22-301     | EPC-23-015               | 1                                                         | Twelve Benefit Corporation                                                | Long Duration CO2 Storage via CO2-derived Cement Additives                                                                                                                                           | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,792,088             | \$2,792,088                | \$2,975,970   | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 10/18/2023            | 11/1/2023            | 3/31/2028          | Active (Open)               |
| GFO-21-901     | EPC-23-016               | 1                                                         | Smartville, Inc.                                                          | Low-Cost and Scalable Second Use Battery Demonstration in Central California for Equitable United States Based Manufacturing and Job Growth                                                          | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,499,995             | \$1,499,995                | \$10,519,485  | \$271,990                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 10/18/2023            | 11/15/2023           | 11/16/2026         | Active (Open)               |
| GFO-22-305     | EPC-23-018               | 1                                                         | Institute of Gas Technology dba GTI Energy                                | Energy-efficient and Grid-interactive Zero Carbon Manufactured Homes                                                                                                                                 | S1                    | 1 Decarbonization                                                                                                                   | S1.1                   | 1.1 Decarb: Advanced Prefabricated Zero-Carbon Homes                                             | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,946,660             | \$2,946,660                | \$150,000     | \$950,780                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 11/8/2023             | 12/25/2023           | 4/28/2028          | Active (Open)               |
| GFO-22-305     | EPC-23-019               | 1                                                         | Lawrence Berkeley National Laboratory                                     | UPscaling Grid-friendly, Resilient, Affordable, and Efficient modular housing                                                                                                                        | S1                    | 1 Decarbonization                                                                                                                   | S1.1                   | 1.1 Decarb: Advanced Prefabricated Zero-Carbon Homes                                             | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$2,379,823   | \$1,503,323                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 11/8/2023             | 12/25/2023           | 4/28/2028          | Active (Open)               |
| GFO-22-305     | EPC-23-020               | 1                                                         | ReMo Homes                                                                | ReMo Habitats                                                                                                                                                                                        | S1                    | 1 Decarbonization                                                                                                                   | S1.1                   | 1.1 Decarb: Advanced Prefabricated Zero-Carbon Homes                                             | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,967,608             | \$2,967,608                | \$958,200     | \$255,360                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Minority Owned                                                  | 11/8/2023             | 11/15/2023           | 4/28/2028          | Active (Open)               |
| GFO-22-306     | EPC-23-021               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | The California Environmental Flows Framework: A Holistic Functional Flows Approach to Instream Flow Determinations for the FERC Hydropower Relicensing Process                                       | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                                                 | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$494,711               | \$494,711                  | \$27,029      | \$76,580                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 1/24/2024             | 3/15/2024            | 3/15/2027          | Active (Open)               |
| GFO-22-306     | EPC-23-022               | 1                                                         | The Regents of the University of California, Merced                       | Balancing Ecological and Energy Needs in California's Water Resources through FlowPywr: A Decision Support System for Integrating Hydropower Operations and Environmental Flows under Climate Change | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                                                 | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$500,000               | \$500,000                  | \$50,000      | \$26,087                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 1/24/2024             | 2/24/2024            | 2/25/2028          | Active (Open)               |
| GFO-21-901     | EPC-23-023               | 1                                                         | The Regents of the University of California, San Diego Foundation         | Purification and Regeneration Integrated Materials Engineering ("PRIME") Process                                                                                                                     | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,200,000             | \$1,200,000                | \$11,300,000  | \$188,222                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/13/2024             | 4/15/2024            | 9/30/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                                        | Project Title                                                                                                                    | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                                                                                       | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                                              | for Direct Recycling and Upcycling of Lithium Cathode Materials                                                                  |                       |                                                                                                                                     |                        |                                                                                                                            |                                                            |                                         |                         |                            |               |                                           |                   |                                                |                                                  |                                                                      |                       |                      |                    |                             |
| N/A            | EPC-23-024               | 1                                                         | Eagle Rock Analytics, Inc.                                                                   | Cal-Adapt: Analytics Engine - Scaling up to Enhance Digital Platform, Accelerate Production of Data Products, & Expand User Base | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                                                                                     | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,500,000             | \$3,500,000                | \$1,723,000   | \$470,588                                 | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 3/13/2024             | 5/1/2024             | 3/31/2028          | Active (Open)               |
| GFO-20-305p3   | EPC-23-025               | 1                                                         | Mutual Housing California                                                                    | Mutual Housing at Fairview Terrace                                                                                               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                                                           | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$9,000,000             | \$9,000,000                | \$0           | \$2,914,712                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/13/2024             | 4/1/2024             | 6/30/2028          | Active (Open)               |
| GFO-20-305p3   | EPC-23-026               | 1                                                         | Electric Power Research Institute, Inc.                                                      | Minimal Unidirectional Zero-Net Energy Community through a Stand-by Grid Connection                                              | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                                                           | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$8,000,000             | \$8,000,000                | \$702,644     | \$1,447,300                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 3/13/2024             | 4/30/2024            | 5/31/2028          | Active (Open)               |
| GFO-22-307     | EPC-23-027               | 1                                                         | RedoxBlox Inc.                                                                               | Thermochemical Energy Storage for Disadvantaged Communities                                                                      | S2                    | 2 Resilience and Reliability                                                                                                        | S2.4                   | 2.4 R&R: Optimizing Long-Duration Energy Storage to Improve Grid Resiliency and Reliability in Under-resourced Communities | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$8,936,778             | \$8,936,778                | \$3,605,486   | \$333,589                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2024             | 6/26/2024            | 9/30/2028          | Active (Open)               |
| GFO-22-308     | EPC-23-028               | 1                                                         | Electric Power Research Institute, Inc.                                                      | Natural refrigerants based High Performance Heat Pump System for Commercial Applications                                         | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,000,000             | \$2,000,000                | \$560,000     | \$577,301                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/8/2024              | 5/29/2024            | 5/30/2028          | Active (Open)               |
| GFO-22-308     | EPC-23-030               | 1                                                         | Calion Technologies                                                                          | Ionocaloric Heat Pumps for Zero-GWP Heating                                                                                      | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$750,000     | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/8/2024              | 6/10/2024            | 9/30/2026          | Active (Open)               |
| GFO-22-308     | EPC-23-031               | 1                                                         | Prospect Silicon Valley                                                                      | Advanced R744 Heat Pump for simultaneous heating and cooling with advanced energy optimization and defrost strategies.           | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,998,949             | \$1,998,949                | \$600,620     | \$190,442                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/8/2024              | 6/3/2024             | 3/31/2028          | Active (Open)               |
| GFO-22-308     | EPC-23-032               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus                 | Decarbonizing large commercial buildings through heat recovery                                                                   | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$5,999,540             | \$5,999,540                | \$2,441,850   | \$1,594,174                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/8/2024              | 6/3/2024             | 6/30/2029          | Active (Open)               |
| GFO-22-308     | EPC-23-033               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus                 | Mainstreaming Personal Comfort Devices: Enabling Modular Personal Controls for a Wide Range of Energy and Comfort Applications   | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,991,640             | \$1,991,640                | \$915,852     | \$661,818                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/8/2024              | 6/3/2024             | 3/31/2029          | Active (Open)               |
| GFO-22-308     | EPC-23-034               | 1                                                         | Lawrence Berkeley National Laboratory                                                        | Market-leading Adoption of Scalable Low GWP Refrigerant Heat Pump in a Retrofit Application                                      | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$5,899,990             | \$5,899,990                | \$1,200,000   | \$1,460,434                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/8/2024              | 6/3/2024             | 3/31/2028          | Active (Open)               |
| GFO-20-305p3   | EPC-23-035               | 1                                                         | National Community Renaissance                                                               | Zero Emission Affordable Housing Design: Palm City Transit Village                                                               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                                                           | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$8,000,000             | \$8,000,000                | \$552,010     | none                                      | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/8/2024              | 6/12/2024            | 3/31/2027          | Active (Open)               |
| GFO-22-307     | EPC-23-036               | 1                                                         | Noon Energy Inc.                                                                             | Scale-up of Ultra Low Cost Long-Duration Battery for Fully Reliable Renewable Power                                              | S2                    | 2 Resilience and Reliability                                                                                                        | S2.4                   | 2.4 R&R: Optimizing Long-Duration Energy Storage to Improve Grid Resiliency and Reliability in Under-resourced Communities | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$8,760,557             | \$8,760,557                | \$4,978,027   | \$303,866                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 6/12/2024             | 6/26/2024            | 6/30/2028          | Active (Open)               |
| GFO-22-307     | EPC-23-037               | 1                                                         | Barona Group of Capitan Grande Band of Mission Indians of the Barona Reservation, California | Barona Community LDES Project                                                                                                    | S2                    | 2 Resilience and Reliability                                                                                                        | S2.4                   | 2.4 R&R: Optimizing Long-Duration Energy Storage to Improve Grid Resiliency and Reliability in Under-resourced Communities | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$9,000,000             | \$9,000,000                | \$4,105,418   | \$41,391                                  | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 6/12/2024             | 6/26/2024            | 6/30/2028          | Active (Open)               |
| GFO-21-304R2   | EPC-24-001               | 1                                                         | Swift Solar Inc.                                                                             | Scaling Solar Cell to Module Conversion for High Efficiency Perovskite Tandems                                                   | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$2,999,880             | \$2,999,880                | \$4,046,000   | none                                      | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-002               | 1                                                         | Stasis Energy Group LLC                                                                      | Accelerating production of commercial HVAC supply-duct thermal storage system                                                    | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$1,878,583             | \$1,878,583                | \$1,188,688   | none                                      | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2024             | 7/10/2024            | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-003               | 1                                                         | Rincell Corporation                                                                          | Accelerating the Manufacturing Capacity of High Capacity, Long Life Silicon-Based Lithium Batteries in California                | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$2,999,528             | \$2,999,528                | \$3,683,201   | \$372,966                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-004               | 1                                                         | Sonocharge Energy, Inc.                                                                      | Pilot Production of High-Performance Lithium-Ion Battery Packs                                                                   | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$6,000,000   | \$539,072                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                             | Project Title                                                                                                                                                    | Strategic Objective # | Strategic Objective                                                                             | Strategic Initiative # | Strategic Initiative                                                                          | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-23-303     | EPC-24-005               | 1                                                         | Build It Green                                                    | A Decision Tool to Electrify Homes with Limited Electrical Panel Capacity                                                                                        | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                  | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$4,775,000             | \$4,775,000                | \$2,515,848   | \$1,543,131                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2024             | 8/1/2024             | 1/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-006               | 1                                                         | Harvest Thermal, Inc.                                             | Manufacturing Scale-Up for Combined Heating and Hot Water Thermal Battery System                                                                                 | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,658,385             | \$1,658,385                | \$1,492,586   | \$297,797                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 7/10/2024             | 8/13/2024            | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-007               | 1                                                         | Sylvatex, Inc.                                                    | Innovative Manufacturing Process Enabling California-based Cathode Actives with Breakthrough Leading Economics (IMPECCABLE)                                      | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,690,861             | \$2,290,685                | \$4,131,424   | \$81,750                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Woman Own                                   | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-007               | 1                                                         | Sylvatex, Inc.                                                    | Innovative Manufacturing Process Enabling California-based Cathode Actives with Breakthrough Leading Economics (IMPECCABLE)                                      | S3                    | 3 Entrepreneurship                                                                              | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                 | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation                     | \$599,824               |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Woman Own                                   | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-008               | 1                                                         | BoxPower Inc.                                                     | Elevating Microgrid Production to Optimize Widespread Energy Resilience (E.M.P.O.W.E.R)                                                                          | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$2,988,031             | \$2,988,031                | \$2,992,809   | \$178,753                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Micro Business, Calif Based Entity                              | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-009               | 1                                                         | Current Ways, Inc.                                                | Accelerating the Low-rate Initial Production Of CWUBIC, Current Ways' Next Generation Bidirectional OBC                                                          | S3                    | 3 Entrepreneurship                                                                              | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                 | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation                     | \$2,191,398             | \$2,191,398                | \$3,280,945   | \$283,581                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2024             | 7/30/2024            | 3/31/2029          | Active (Open)               |
| GFO-21-901     | EPC-24-011               | 1                                                         | The Regents of the University of California, San Diego Foundation | Optimized Commercial Control Technology Of Plug-loads & Lighting (OCCTOPi)                                                                                       | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                  | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$75,000                | \$75,000                   | \$546,967     | \$15,000                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/14/2024             | 9/2/2024             | 3/31/2026          | Active (Open)               |
| GFO-23-301     | EPC-24-012               | 1                                                         | The Regents of the University of California, Santa Barbara        | Harnessing the Potential of AI in Industrial Refrigeration Systems                                                                                               | S1                    | 1 Decarbonization                                                                               | S1.2                   | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,420,982             | \$2,420,982                | \$1,945,777   | \$413,032                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/14/2024             | 8/15/2024            | 3/31/2027          | Active (Open)               |
| GFO-23-301     | EPC-24-013               | 1                                                         | Electric Power Research Institute, Inc.                           | IndFlex                                                                                                                                                          | S1                    | 1 Decarbonization                                                                               | S1.2                   | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,165,928             | \$2,165,928                | \$438,222     | \$445,978                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/14/2024             | 8/26/2024            | 3/31/2027          | Active (Open)               |
| GFO-23-301     | EPC-24-014               | 1                                                         | Nelumbo Inc.                                                      | Demonstration & Deployment of Nelumbo's Ice-Nein Evaporator Coating                                                                                              | S1                    | 1 Decarbonization                                                                               | S1.2                   | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,910,550             | \$2,910,550                | \$670,000     | \$560,000                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/14/2024             | 8/1/2024             | 3/31/2027          | Active (Open)               |
| GFO-23-301     | EPC-24-015               | 1                                                         | Prospect Silicon Valley                                           | Dynamic, Grid-Flexible Cold Storage Refrigeration Featuring Advanced CO2 Heat Pump, Thermal Storage, and Defrost Controls                                        | S1                    | 1 Decarbonization                                                                               | S1.2;                  | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage ; | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$1,800,000             | \$1,800,000                | \$462,238     | \$170,166                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/14/2024             | 8/1/2024             | 3/31/2027          | Active (Open)               |
| GFO-23-302     | EPC-24-016               | 1                                                         | NeWorld Energy                                                    | Energy Quarterback Development and Demonstration Project                                                                                                         | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                              | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,000,000             | \$2,000,000                | \$725,203     | \$336,499                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 9/11/2024             | 10/14/2024           | 3/31/2027          | Active (Open)               |
| GFO-23-302     | EPC-24-017               | 1                                                         | Prospect Silicon Valley                                           | Enhancing Building Resilience and Affordability through Distributed Smart Home Panels with Portable Batteries: Packaged Solutions for Electrification Challenges | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                              | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,712,504             | \$1,712,504                | \$680,800     | \$535,103                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/11/2024             | 10/1/2024            | 3/31/2027          | Active (Open)               |
| GFO-23-302     | EPC-24-018               | 1                                                         | Zimeno, Inc.                                                      | Monarch Electrical Load Distribution (MELD)                                                                                                                      | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                              | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,999,992             | \$1,999,992                | \$736,810     | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/11/2024             | 10/1/2024            | 3/31/2027          | Active (Open)               |
| GFO-22-301r2   | EPC-24-019               | 1                                                         | Caliskaner Water Technologies, Inc.                               | Demonstration of Cost and Energy Efficient Novel Separation Technologies for Decarbonization of Water Reclamation Systems                                        | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.2                   | 4.2 Industrial Decarbonization                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$4,492,887             | \$4,492,887                | \$1,841,832   | \$740,447                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/3/2024             | 11/18/2024           | 3/31/2029          | Active (Open)               |
| GFO-22-301r2   | EPC-24-020               | 1                                                         | C-Crete Technologies                                              | Scale-up Manufacturing of Next-Generation Cementitious Binders Using Non-Carbonate Rocks                                                                         | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.2                   | 4.2 Industrial Decarbonization                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$8,500,000             | \$8,500,000                | \$3,400,000   | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/3/2024             | 11/1/2024            | 3/31/2029          | Active (Open)               |
| GFO-22-301r2   | EPC-24-021               | 1                                                         | Heirloom Carbon Technologies, Inc.                                | Demonstration of a Pre-Commercial, Electrified Thermal Reactor with Integrated Lime Hydration for use in Direct Air Capture                                      | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.2                   | 4.2 Industrial Decarbonization                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$6,364,788             | \$6,364,788                | \$10,923,135  | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2025             | 12/1/2025            | 3/30/2029          | Pending Final Approval      |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                                                                        | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                             | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-23-306     | EPC-24-022               | 1                                                         | NeoCharge Incorporated                                                       | NeoCharge Home: Enabling Equitable EV Adoption through Dynamic Load Management                                                                       | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,650,024             | \$1,650,024                | \$552,095     | \$117,665                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/13/2024            | 12/2/2024            | 12/31/2027         | Active (Open)               |
| GFO-23-306     | EPC-24-023               | 1                                                         | Weave Grid, Inc.                                                             | Residential EV Deferred Distribution Upgrade Project (REVDDUP)                                                                                       | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,455,187             | \$2,455,187                | \$825,000     | \$353,087                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/11/2024            | 12/2/2024            | 12/31/2027         | Active (Open)               |
| GFO-23-306     | EPC-24-024               | 1                                                         | Intertie Incorporated                                                        | Deployment and Demonstration of a Novel DC-Coupled Fast Charging Technology with Low Grid Impact in the Central Valley                               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,120,879             | \$2,120,879                | \$1,055,385   | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/13/2024            | 11/18/2024           | 12/31/2027         | Active (Open)               |
| GFO-23-306     | EPC-24-025               | 1                                                         | RockeTruck, Inc.                                                             | Electric Vehicle Direct-Current Hub (EVDCH)                                                                                                          | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$1,078,021   | \$1,755,190                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/13/2024            | 12/2/2024            | 12/31/2027         | Active (Open)               |
| GFO-23-306     | EPC-24-026               | 1                                                         | GoPowerEV Inc.                                                               | Transformer-Level Automated Load Management for EV Charging in Multi Unit Dwellings                                                                  | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,448,792             | \$2,448,792                | \$578,920     | \$575,672                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/13/2024            | 12/2/2024            | 12/31/2027         | Active (Open)               |
| GFO-23-311     | EPC-24-027               | 1                                                         | The Regents of the University of California on behalf of the Davis campus    | Evaluation and Optimization of Orographic Cloud Seeding to Enhance Precipitation in California                                                       | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                           | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$2,489,703             | \$2,489,703                | \$125,013     | \$655,947                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/13/2024            | 12/2/2024            | 6/30/2027          | Active (Open)               |
| GFO-23-304     | EPC-24-028               | 1                                                         | DNV GL USA, Inc.                                                             | Integrated Smart Brine Management Approach to Reduce Geothermal Plant Operating Costs and Improve Mineral Recovery                                   | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.1                   | 1.1 Non-Variable Renewable Energy                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$2,460,222             | \$2,460,222                | \$368,634     | \$1,029,312                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 12/11/2024            | 1/1/2025             | 10/8/2027          | Active (Open)               |
| GFO-23-306     | EPC-24-029               | 1                                                         | Bidirectional Energy                                                         | Grid Supportive Bidirectional V2X Residential EV VPP                                                                                                 | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,172,061             | \$2,172,061                | \$1,524,881   | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Minority Owned, Woman Own                                       | 12/11/2024            | 1/1/2025             | 1/31/2028          | Active (Open)               |
| GFO-23-309     | EPC-24-030               | 1                                                         | Electric Power Research Institute, Inc.                                      | SUPPLIES – Scaling Up Virtual Power Plants through Interoperable Energy Management Systems in K-12 Schools                                           | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,000,000             | \$2,000,000                | \$660,000     | \$501,374                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/12/2025             | 2/24/2025            | 3/29/2030          | Active (Open)               |
| GFO-23-306     | EPC-24-031               | 1                                                         | The Regents of the University of California, San Diego Foundation            | Green Construct Charge (GCC): Grid-Supportive Mobile Charging Stations for the Electrification and Decarbonization of Construction Electric Vehicles | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,820,083             | \$2,820,083                | \$510,071     | \$461,927                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 1/21/2025             | 3/1/2025             | 2/29/2028          | Active (Open)               |
| GFO-23-306     | EPC-24-032               | 1                                                         | IXP, LLC                                                                     | Mobile EV Charging Site (MEVCS): An innovative opportunity charging solution for PEV load shifting and challenging duty cycles                       | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$3,999,317             | \$3,999,317                | \$550,001     | \$272,360                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity, Minority Owned                              | 1/21/2025             | 2/3/2025             | 12/31/2027         | Active (Open)               |
| GFO-23-308     | EPC-24-033               | 1                                                         | Lincus, Incorporated                                                         | DC Nanogrid for Non-Residential HVAC Application                                                                                                     | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                     | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,758,800             | \$1,758,800                | \$844,037     | \$386,839                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Woman Own                                                       | 1/21/2025             | 2/21/2025            | 3/30/2029          | Active (Open)               |
| GFO-23-309     | EPC-24-034               | 1                                                         | The Regents of the University of California on behalf of the Davis campus    | Powering Yolo Forward: A Collaborative VPP Project for Demand Flexibility & Community Engagement                                                     | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$1,006,559   | \$1,218,590                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/12/2025             | 2/24/2025            | 3/29/2030          | Active (Open)               |
| GFO-23-309     | EPC-24-035               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | Super-GX: Scale Grid-responsive Supervisory Control for Multiple Commercial Buildings and EV Charging                                                | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,999,999             | \$1,999,999                | \$1,650,000   | \$751,799                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/12/2025             | 3/3/2025             | 3/30/2029          | Active (Open)               |
| GFO-23-308     | EPC-24-036               | 1                                                         | Enersion Inc.                                                                | 0 GWP Cooling and Heating by Compressor-less DC HVAC Nanogrid Module                                                                                 | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                     | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,017,250             | \$1,017,250                | \$362,000     | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/12/2025             | 1/21/2025            | 5/31/2028          | Active (Open)               |
| GFO-23-308     | EPC-24-038               | 1                                                         | Intertie Incorporated                                                        | Deployment and Demonstration of a Novel DC-Coupled HVAC Technology in the Central Valley                                                             | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                     | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,400,900             | \$1,400,900                | \$650,948     |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/12/2025             | 3/3/2025             | 12/29/2028         | Active (Open)               |
| GFO-23-309     | EPC-24-039               | 1                                                         | Sonoma Clean Power Authority                                                 | Expansion of a Virtual Power Plant using Automated Devices in Low-Income and Disadvantaged Communities                                               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$4,995,640             | \$4,995,640                | \$1,091,000   | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/12/2025             | 4/1/2025             | 3/30/2029          | Active (Open)               |
| GFO-23-309     | EPC-24-040               | 1                                                         | Marin Clean Energy dba MCE                                                   | MCE's Virtual Power Plant: Valuing People Power (VPP 2X) project                                                                                     | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$5,000,000   | \$356,364                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 3/17/2025             | 4/1/2025             | 3/30/2029          | Active (Open)               |
| GFO-23-309     | EPC-24-041               | 1                                                         | Lawrence Berkeley National Laboratory                                        | OBC-FLEX: Enabling Interoperable Demand Flexibility in Commercial Buildings                                                                          | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,999,917             | \$1,999,917                | \$710,000     | \$567,694                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 2/12/2025             | 4/1/2025             | 3/30/2029          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                                                                                                                           | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                             | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-23-310     | EPC-24-042               | 1                                                         | County of Ventura                                                         | Tri-County Benefits of Electrification for Air Quality, Comfort, and Health (3C-BEACH)                                                                                                  | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$2,999,458             | \$2,999,458                | \$270,000     | none                                      | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 3/17/2025             | 4/14/2025            | 3/30/2029          | Active (Open)               |
| GFO-23-304     | EPC-24-043               | 1                                                         | Materials Research LLC                                                    | Geothermal Brine Pretreatment and Metal Recovery                                                                                                                                        | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.1                   | 1.1 Non-Variable Renewable Energy                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$3,683,950             | \$3,683,950                | \$752,212     | \$313,558                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity, Minority Owned                              | 3/17/2025             | 4/1/2025             | 4/1/2029           | Active (Open)               |
| GFO-23-304     | EPC-24-044               | 1                                                         | Barr Engineering Co.                                                      | Preventing Scaling and Corrosion in Geothermal Facilities with Novel Lubricant-Infused Barrier Coating                                                                                  | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.1                   | 1.1 Non-Variable Renewable Energy                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$3,252,000             | \$3,252,000                | \$1,077,000   | \$1,272,085                               | Grant             | Competitive <sup>3</sup>                       | N/A                                              | None                                                                 | 5/8/2025              | 5/15/2025            | 11/1/2029          | Active (Open)               |
| GFO-23-316     | EPC-24-045               | 1                                                         | Build Momentum (d.b.a. Momentum)                                          | Industrial FlexHub: Advancing Demand Load Flexible Technologies in Industrial, Agriculture, and Water                                                                                   | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$17,000,000            | \$17,000,000               | \$5,241,093   |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 4/10/2025             | 5/12/2025            | 3/31/2031          | Active (Open)               |
| GFO-23-306     | EPC-24-046               | 1                                                         | Current Trucking LLC                                                      | Valley Charging Center for Flexible Transport Electrification                                                                                                                           | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,500,000             | \$2,500,000                | \$2,374,503   | \$194,929                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/10/2025             | 5/1/2025             | 12/31/2027         | Pending Final Approval      |
| GFO-21-304R2   | EPC-24-047               | 1                                                         | UNIGRID Inc.                                                              | Advanced Sodium-ion Battery Production in California                                                                                                                                    | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan | Market Facilitation                     | \$2,991,945             | \$2,991,945                | \$2,983,181   |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Small Business, Calif Based Entity                              | 4/10/2025             | 4/16/2025            | 3/31/2030          | Active (Open)               |
| GFO-23-304     | EPC-24-048               | 1                                                         | Power Environmental Energy Research Institute                             | High-Efficiency Mineral Recovery System with Reduced Waste Output                                                                                                                       | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.1                   | 1.1 Non-Variable Renewable Energy                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$4,428,021             | \$4,428,021                | \$1,481,395   | \$704,663                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity, Minority Owned                              | 4/10/2025             | 5/1/2025             | 12/31/2028         | Active (Open)               |
| GFO-21-901r8   | EPC-24-049               | 1                                                         | ReJoule Incorporated                                                      | Communities Accessing Resilient Energy Storage (CARES)                                                                                                                                  | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,158,129             | \$1,158,129                | \$5,582,866   | none                                      | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 4/10/2025             | 4/10/2025            | 7/1/2031           | Active (Open)               |
| GFO-20-305p3   | EPC-24-051               | 1                                                         | Northern California Land Trust, Inc.                                      | Woolsey Gardens                                                                                                                                                                         | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan | Market Facilitation                     | \$8,000,000             | \$8,000,000                | \$8,000,000   | \$182,745                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 5/8/2025              | 5/16/2025            | 5/31/2029          | Active (Open)               |
| N/A            | EPC-24-053               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                           | Blue Lake Rancheria Nested Community Microgrids                                                                                                                                         | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$5,000,000             | \$5,000,000                | \$1,000,000   |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A                                              | Yes; Calif Based Entity                                              | 6/11/2025             | 7/16/2025            | 3/29/2030          | Active (Open)               |
| GFO-23-315     | EPC-25-001               | 1                                                         | Silicon Valley Clean Water                                                | Biogas Microgrid for Clean Dispatchable Electricity for Linear Generators                                                                                                               | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$4,000,000             | \$4,000,000                | \$3,337,687   | \$209,195                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2025             | 5/12/2025            | 5/1/2028           | Active (Open)               |
| GFO-24-301     | EPC-25-002               | 1                                                         | Lawrence Berkeley National Laboratory                                     | Testing Bird-Friendly Windows for Decarbonized Buildings                                                                                                                                | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$600,000               | \$600,000                  | \$22,000      |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2025             | 8/14/2025            | 12/14/2028         | Active (Open)               |
| GFO-24-301     | EPC-25-003               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | Stacking Ecological and Technological Benefits at Large, Ground-Mounted Photovoltaic Solar Parks: Enhancing Soil Carbon Sequestration, Biodiversity, and Photovoltaic Panel Performance | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$599,812               | \$599,812                  | \$142,500     |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2025             | 8/14/2025            | 12/14/2028         | Active (Open)               |
| GFO-24-301     | EPC-25-004               | 1                                                         | The Regents of the University of California, Merced                       | Environmental cost-benefit valuation of solar-over-water deployment in California                                                                                                       | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$589,265               | \$589,265                  | \$0           |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2025             | 8/13/2025            | 12/13/2028         | Active (Open)               |
| GFO-24-301     | EPC-25-005               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | BALANCE: Biologically Appropriate Lighting Aligning Nature Conservation and Energy Efficiency                                                                                           | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$498,601               | \$498,601                  | \$191,029     |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2025             | 8/14/2025            | 12/14/2028         | Active (Open)               |
| GFO-24-301     | EPC-25-006               | 1                                                         | Mohave Ground Squirrel Conservation Council                               | Adaptively Managed Translocation and Propagation of Mohave Ground Squirrels                                                                                                             | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$600,000               | \$600,000                  | \$220,000     |                                           | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 7/10/2025             | 8/14/2025            | 12/14/2028         | Active (Open)               |
| GFO-23-317     | EPC-25-007               | 1                                                         | Enzinc Inc.                                                               | Advanced Zn electrode to enable rechargeable alkaline zinc batteries for a more resilient grid                                                                                          | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$1,619,248             | \$1,619,248                | \$523,766     | \$187,680                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/13/2025             | 9/1/2025             | 12/22/2028         | Active (Open)               |
| GFO-23-317     | EPC-25-008               | 1                                                         | DarmokTech                                                                | Next-Generation Solid State Sodium Polymer Batteries for Stationary Storage Applications with a Recyclable Design                                                                       | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$2,000,000             | \$2,000,000                | \$1,650,000   | \$573,435                                 | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/13/2025             | 9/1/2025             | 8/30/2028          | Active (Open)               |
| GFO-23-317     | EPC-25-009               | 1                                                         | Renewell Energy Inc                                                       | Rigs to Renewables: Demonstrated Application of Networked, Gravity-based Multi-Duration Energy Storage in Idle Oil and Gas Wells                                                        | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$5,004,537             | \$5,004,537                | \$2,508,823   | none                                      | Grant             | Competitive <sup>3</sup>                       | N/A                                              | Yes; Calif Based Entity                                              | 8/13/2025             | 9/1/2025             | 12/31/2029         | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                         | Project Title                                                                                                        | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                             | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-23-317     | EPC-25-010               | 1                                                         | Long Hill Energy Partners, LLC                                                | Storage Technology and New Energy Resiliency Demonstration (STANDERD)                                                | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$9,995,463             | \$9,995,463                | \$6,483,638   | \$608,827                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 8/13/2025             | 9/15/2025            | 12/31/2029         | Pending Final Approval      |
| GFO-24-304     | EPC-25-011               | 1                                                         | Electrochemistry Foundry, Inc.                                                | The Electrochemistry Foundry: California Battery Innovation Hub                                                      | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.2                   | 5.2 Scaling Clean Energy Technology                              | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$28,000,000            | \$28,000,000               | \$7,039,215   | \$9,227,465                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              |                       | 10/7/2025            | 3/31/2029          | Active (Open)               |
| GFO-24-302     | EPC-25-012               | 1                                                         | Rivian Automotive, LLC                                                        | Low-Cost Interoperable AC Bidirectional Charging Solution                                                            | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$944,780               |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 3/31/2029          | Active (Open)               |
| GFO-24-302     | EPC-25-012               | 1                                                         | Rivian Automotive, LLC                                                        | Low-Cost Interoperable AC Bidirectional Charging Solution                                                            | S2                    | 2 Resilience and Reliability                                                                                                        | S2.7                   | 2.7 R&R: Vehicle-to-Building for Resilient Back-up Power         | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$1,200,000             | \$2,144,780                | \$528,160     | \$279,754                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 3/31/2029          | Active (Open)               |
| GFO-24-302     | EPC-25-013               | 1                                                         | Lucid Group, Inc.                                                             | Next gen LEAP (Lucid Electric Advanced Platform)-V2X                                                                 | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,699,520             | \$2,699,520                | \$864,570     | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 9/15/2025            | 3/31/2029          | Active (Open)               |
| GFO-24-302     | EPC-25-014               | 1                                                         | NeoCharge Incorporated                                                        | Fully Unified EV Submetering & Intelligent Optimization Nexus (FUSION)                                               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,598,747             | \$1,598,747                | \$353,753     |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 9/15/2025            | 3/31/2029          | Active (Open)               |
| GFO-24-302     | EPC-25-015               | 1                                                         | San Diego Community Power                                                     | Charging Harmonization and Analysis for Resilient, Grid-Efficient Utilization and Planning (CHARGE UP)               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$693,611               | \$693,611                  | \$0           | \$350,902                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 8/31/2027          | Active (Open)               |
| GFO-24-302     | EPC-25-016               | 1                                                         | The Regents of the University of California on behalf of the Davis campus     | Demonstrating Electric Vehicle Sub-Metering Solutions (DEVS)                                                         | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,188,796             | \$2,188,796                | \$270,856     | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 6/30/2028          | Active (Open)               |
| GFO-24-302     | EPC-25-017               | 1                                                         | Electric Power Research Institute, Inc.                                       | Assessing VGI in California: Techno-Economic Merit and Implementation Strategies                                     | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$800,000               | \$800,000                  | \$0           | \$301,119                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 6/30/2027          | Active (Open)               |
| GFO-23-317     | EPC-25-018               | 1                                                         | Inlyte Energy, Inc.                                                           | Iron and Sodium Next Generation Battery for Long Duration Energy Storage                                             | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,783,874             | \$1,783,874                | \$539,960     | \$162,170                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 12/31/2028         | Active (Open)               |
| GFO-24-302     | EPC-25-019               | 1                                                         | It's Electric Incorporated                                                    | Urban Resilience with Curbside Bidirectional Electric Vehicle Charging                                               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,004,198             | \$1,004,198                | \$483,275     | \$402,067                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 9/10/2025             | 10/1/2025            | 10/4/2028          | Active (Open)               |
| GFO-24-302     | EPC-25-020               | 1                                                         | Nuvve Holding Corp.                                                           | Bidirectional Residential Integration for Dispatchable Grid Energy (BRIDGE)                                          | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,834,090             | \$2,834,090                | \$1,495,363   | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 4/30/2028          | Active (Open)               |
| GFO-24-302     | EPC-25-021               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus | V2X Cost Reduction in Electric Trucks                                                                                | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,500,000             | \$1,500,000                | \$939,762     | \$230,073                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 9/10/2025             | 9/15/2025            | 3/28/2028          | Active (Open)               |
| GFO-23-318     | EPC-25-022               | 1                                                         | Tandem PV, Inc.                                                               | Establishing Technical Bankability of Perovskite/Silicon Tandem Panels through Comprehensive Durability Testing      | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,975,954             | \$3,975,954                | \$3,230,660   | \$50,000                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 10/1/2025            | 3/31/2030          | Active (Open)               |
| GFO-23-318     | EPC-25-023               | 1                                                         | Community Energy Labs, Inc.                                                   | Smart Control Automation and Learning for Energy (SCALE)                                                             | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,662,421             | \$1,662,421                | \$1,900,773   | \$383,636                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 10/8/2025             | 10/8/2025            | 3/31/2030          | Active (Open)               |
| GFO-24-306     | EPC-25-024               | 1                                                         | Lawrence Livermore National Security, LLC                                     | Rapid AI Predictions for Informed Decisions of Fire Spread (RAPID-FIRE)                                              | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                           | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$800,000               | \$800,000                  | \$0           |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 10/30/2025           | 3/30/2029          | Pending Final Approval      |
| GFO-24-306     | EPC-25-025               | 1                                                         | Spatial Informatics Group, LLC                                                | Science Integration and Enhancement of PyreCast: An Open-source Near-Term Wildfire Modeling and Forecasting Platform | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                           | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,000,000             | \$1,000,000                | \$582,057     | \$60,000                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Micro Business, Calif Based Entity                              | 10/8/2025             | 10/30/2025           | 3/30/2029          | Pending Final Approval      |
| GFO-23-318     | EPC-25-026               | 1                                                         | Verne Inc.                                                                    | Bringing Rapid Innovation to Distributed Green Energy with Cryo-Compressed Hydrogen                                  | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,998,616             | \$3,998,616                | \$1,987,695   | \$1,191,915                               | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 11/21/2025           | 2/10/2030          | Pending Final Approval      |
| GFO-23-309     | EPC-25-027               | 1                                                         | Lawrence Berkeley National Laboratory                                         | California Campus Load Flexibility: CC-FLEX                                                                          | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,121,313             | \$3,121,313                | \$799,124     | \$408,668                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 10/22/2025           | 2/28/2030          | Active (Open)               |
| GFO-23-318     | EPC-25-028               | 1                                                         | Tyfast Energy Corp.                                                           | High Performance Battery Packs Using Domestic Materials for Compact Off-Highway Machines                             | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,959,011             | \$1,959,011                | \$545,299     | \$615,833                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 10/29/2025           | 8/31/2028          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup>   | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                                                     | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                                                                                       | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | Joint Legislative Budget Committee (JLBC) Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|----------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|---------------|-------------------------------------------|-------------------|--------------------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-23-318     | EPC-25-029                 | 1                                                         | Indian Energy LLC                                                                | Resilient Decarbonized Microgrids Through Optimal Control of Distributed Energy Resources and Loads                                               | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,789,986             | \$3,789,986                | \$443,000     | \$716,742                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 10/31/2025           | 8/31/2028          | Active (Open)               |
| GFO-23-318     | EPC-25-030                 | 1                                                         | SirenOpt Inc.                                                                    | Cold Atmospheric Plasma-Based Inspection & Real-Time Process Control of Electrode Materials to Enable High-Performance Battery Manufacturing      | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,395,317             | \$2,395,317                | \$815,713     | \$594,336                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 10/8/2025            | 3/31/2030          | Active (Open)               |
| GFO-23-318     | EPC-25-031                 | 1                                                         | The SolarAPP Foundation                                                          | SolarAPP+ Expansion: Integrating Solar and Storage Virtual Inspections and Automating Residential EV Charger Permitting and Plan Review           | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,999,937             | \$3,999,937                | \$1,000,000   | \$463,035                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 10/27/2025           | 3/31/2030          | Active (Open)               |
| GFO-24-306     | EPC-25-032                 | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | Wildfire Planning Tool for Bidirectional Long-Term Risk Quantification and Management                                                             | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                                                                                     | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$800,000               | \$800,000                  | \$142,503     | \$88,116                                  | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 11/5/2025            | 3/31/2029          | Active (Open)               |
| GFO-23-318     | EPC-25-033                 | 1                                                         | Coreshell Technologies, Incorporated                                             | Advanced metallurgical Silicon and LMFP lithium-ion batteries that deliver low cost, high range, and superior safety with 100% domestic materials | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,995,673             | \$3,995,673                | \$5,003,148   | none                                      | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 10/8/2025             | 10/25/2025           | 5/31/2028          | Active (Open)               |
| GFO-24-306     | EPC-25-034                 | 1                                                         | Eagle Rock Analytics, Inc.                                                       | Cal-Adapt: Data Explorer - Supporting California's Ambitious Energy Transformation                                                                | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                                                                                     | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,800,000             | \$2,800,000                | \$986,624     | \$222,727                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Small Business, Micro Business, Calif Based Entity              | 10/8/2025             | 11/3/2025            | 3/30/2029          | Active (Open)               |
| GFO-24-307     | EPC-25-035                 | 1                                                         | Alliance for Sustainable Energy, LLC                                             | A Reference Floating HVDC Substation Design for California                                                                                        | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.2                   | 1.2 Variable Renewable Energy                                                                                              | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,249,955             | \$3,249,955                | \$1,782,378   | \$1,828,482                               | Grant             | Competitive <sup>3</sup> | N/A                                              | None                                                                 | 11/12/2025            | 10/31/2025           | 3/31/2029          | Pending Final Approval      |
| GFO-23-317     | EPC-25-036                 | 1                                                         | Gridscope Solutions, Inc.                                                        | Innovative Hybrid Battery Energy Storage Solution for Value Stacked Grid Services                                                                 | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                                                                          | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$7,494,488             | \$10,000,000               | \$4,056,000   | \$555,220                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/12/2025            | 12/1/2025            | 12/31/2029         | Active (Open)               |
| GFO-23-317     | EPC-25-036                 | 1                                                         | Gridscope Solutions, Inc.                                                        | Innovative Hybrid Battery Energy Storage Solution for Value Stacked Grid Services                                                                 | S2                    | 2 Resilience and Reliability                                                                                                        | S2.4                   | 2.4 R&R: Optimizing Long-Duration Energy Storage to Improve Grid Resiliency and Reliability in Under-resourced Communities | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,505,512             |                            |               |                                           | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/12/2025            | 12/1/2025            | 12/31/2029         | Active (Open)               |
| GFO-24-307     | EPC-25-037                 | 1                                                         | Integral Consulting Inc.                                                         | Development of an autonomous detection and mitigation framework for entanglements around offshore wind farms                                      | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.2                   | 1.2 Variable Renewable Energy                                                                                              | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,000,000             | \$3,000,000                | \$1,210,395   | \$450,292                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/12/2025            | 11/28/2025           | 12/31/2029         | Active (Open)               |
| GFO-24-307     | EPC-25-038                 | 1                                                         | Sofar Ocean Technologies, Inc.                                                   | SEA-Scan: Structural and Environmental Algorithms for Sensing of Offshore Systems                                                                 | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.2                   | 1.2 Variable Renewable Energy                                                                                              | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,993,427             | \$2,993,427                | \$749,895     | \$952,878                                 | Grant             | Competitive <sup>3</sup> | N/A                                              | Yes; Calif Based Entity                                              | 11/12/2025            | 12/1/2025            | 12/1/2029          | Pending Final Approval      |
|                | Total Number of Agreements | Total Number of Projects with Strategic Initiative        | Total EPIC Project Funding                                                       | Total Project Administrative and Overhead Costs                                                                                                   | Total Match Funding   |                                                                                                                                     |                        |                                                                                                                            |                                                            |                                         |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
|                |                            |                                                           |                                                                                  |                                                                                                                                                   |                       |                                                                                                                                     |                        |                                                                                                                            |                                                            |                                         |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |
|                | 602                        | 648                                                       | \$1,548,272,425                                                                  | \$256,514,386                                                                                                                                     | \$829,976,932         |                                                                                                                                     |                        |                                                                                                                            |                                                            |                                         |                         |                            |               |                                           |                   |                          |                                                  |                                                                      |                       |                      |                    |                             |

1 Agreement Number may be repeated if it includes funding from multiple investment plans/program areas and/or strategic objectives/initiatives. Agreement Number will be counted only once.

2 Number of Projects with Strategic Initiative represents the number of projects funded pursuant to a certain strategic objective and initiative under an investment plan. Several agreements are funded under multiple strategic objectives, initiatives, and investment plans.

3 Competitive bid projects are awarded EPIC funds to passing proposals in scoring rank order.

4 For EPIC project awards made through interagency agreement or sole source method, Joint Legislative Budget Committee (JLBC) authorization is automatic 60 days following notification.

5 EPIC projects awarded follow-on funding are exempt from the sole source process. The CEC may award, through a non-competitive method, follow-on funding for projects that meet all of the requirements per SB 115 and California Public Resources Code Section 25711.5. SB 127 extends authority to January 1, 2028.

6 Identification of project award recipients/contractors who are a CBE, Small Business, Micro Business, Woman-Owned Business, Minority-Owned Business, or Disabled Veteran Business Enterprise.

7 Project Status:

Active (Open): Executed agreement end date is open as of 2025.

Ended: Executed agreement end date expired as of 2025.

Completed: Executed agreement end date expired and closing activities completed as of 2025.

Terminated: Executed agreement terminated as of 2025.

Pending Final Approval: Agreement was approved at a CEC business meeting but had yet to receive final approval (was not executed) as of 2025.

APPENDIX D:

2025 EPIC Projects by Agreement Number with Strategic Initiative Details

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                            | Project Title                                                                  | Strategic Objective # | Strategic Objective                                                                                                                         | Strategic Initiative # | Strategic Initiative                                                                                                                                                             | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding   | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|-----------------|-------------------------------------------|-------------------|------------------------------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies | S10.1                  | S10.1 Provide Small Grants to Early-Stage Energy Companies and Entrepreneurs Through Regional Innovation Clusters.                                                               | 2012-2014 EPIC Program 1st Investment Plan                 | Applied Research and Development        | \$9,788,043.00          | \$60,000,000.00            | \$3,396,223.00  | \$1,563,250                               | Contract          | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative | S10                   | S10: Advance the Early Development of Breakthrough Energy Concepts.                                                                         | S10.1                  | S10.1 Provide Seed-Stage Funding for Disruptive Energy Technologies.                                                                                                             | 2015-2017 EPIC Program 2nd Investment Plan                 | Applied Research and Development        | \$20,211,957.00         |                            |                 |                                           | Contract          | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                                        | S5.1.1                 | 5.1.1 Continue CalSEED Initiative to Provide Early Stage Support for Clean Energy Technology Entrepreneurs                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan         | Applied Research and Development        | \$12,000,000.00         |                            |                 |                                           | Contract          | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                         | S5.1                   | 5.1 Entrepreneurial Support                                                                                                                                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,000,000.00          |                            |                 |                                           | Contract          | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| RFP-15-305     | 300-15-007               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures | California Sustainable Energy Entrepreneurial Development (CalSEED) Initiative | S3                    | 3 Entrepreneurship                                                                                                                          | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                                                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$16,000,000.00         |                            |                 |                                           | Contract          | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 3/9/2016              | 4/20/2016            | 3/31/2027          | Active (Open)               |
| PON-14-305     | EPC-14-033               | 1                                                         | The Watershed Research and Training Center       | North Fork Community Power Forest Bioenergy Facility Demonstration             | S13                   | S13: Demonstrate and Evaluate Emerging Clean Energy Generation Technologies and Deployment Strategies                                       | S13.1                  | S13.1 Demonstrate and Appraise the Operational and Performance Characteristics of Pre-Commercial Biomass Conversion Technologies, Generation Systems, and Development Strategies | 2012-2014 EPIC Program 1st Investment Plan                 | Technology Demonstration and Deployment | \$3,225,773.00          | \$4,965,420.00             | \$1,361,360.00  | \$87,680                                  | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/8/2015              | 5/15/2015            | 3/31/2026          | Active (Open)               |
| PON-14-305     | EPC-14-033               | 1                                                         | The Watershed Research and Training Center       | North Fork Community Power Forest Bioenergy Facility Demonstration             | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.                              | S13.1                  | S13.1 Demonstrate and Evaluate Environmentally and Economically Sustainable Biomass-to-Energy Systems for Woody and Other Dry Biomass.                                           | 2015-2017 EPIC Program 2nd Investment Plan                 | Technology Demonstration and Deployment | \$1,739,647.00          |                            |                 |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/8/2015              | 5/15/2015            | 3/31/2026          | Active (Open)               |
| GFO-15-306     | EPC-15-030               | 1                                                         | Cleantech San Diego Association                  | San Diego Regional Energy Innovation Cluster                                   | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies | S10.2                  | S10.2 Support Demonstration Testing and Verification Centers to Accelerate the Deployment of Pre- Commercial Clean Energy Technologies                                           | 2012-2014 EPIC Program 1st Investment Plan                 | Applied Research and Development        | \$3,000,000.00          | \$10,000,000.00            | \$4,668,434.00  | \$880,681                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/13/2016             | 5/1/2016             | 3/31/2027          | Active (Open)               |
| GFO-15-306     | EPC-15-030               | 1                                                         | Cleantech San Diego Association                  | San Diego Regional Energy Innovation Cluster                                   | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                           | S18.1                  | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.                                                                      | 2015-2017 EPIC Program 2nd Investment Plan                 | Market Facilitation                     | \$2,000,000.00          |                            |                 |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/13/2016             | 5/1/2016             | 3/31/2027          | Active (Open)               |
| GFO-15-306     | EPC-15-030               | 1                                                         | Cleantech San Diego Association                  | San Diego Regional Energy Innovation Cluster                                   | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                                        | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                                                                                                   | 2018-2020 EPIC Program Project 3rd Investment Plan         | Market Facilitation                     | \$5,000,000.00          |                            |                 |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 4/13/2016             | 5/1/2016             | 3/31/2027          | Active (Open)               |
| GFO-15-306     | EPC-15-032               | 1                                                         | Activate Global, Inc                             | Bay Area Regional Energy Innovation Cluster                                    | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies | S10.2                  | S10.2 Support Demonstration Testing and Verification Centers to Accelerate the Deployment of Pre- Commercial Clean Energy Technologies                                           | 2012-2014 EPIC Program 1st Investment Plan                 | Applied Research and Development        | \$2,000,000.00          | \$9,960,000.00             | \$10,245,061.00 | \$282,411                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/13/2016             | 5/12/2016            | 3/31/2026          | Active (Open)               |
| GFO-15-306     | EPC-15-032               | 1                                                         | Activate Global, Inc                             | Bay Area Regional Energy Innovation Cluster                                    | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                           | S18.1                  | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.                                                                      | 2015-2017 EPIC Program 2nd Investment Plan                 | Market Facilitation                     | \$2,980,000.00          |                            |                 |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/13/2016             | 5/12/2016            | 3/31/2026          | Active (Open)               |
| GFO-15-306     | EPC-15-032               | 1                                                         | Activate Global, Inc                             | Bay Area Regional Energy Innovation Cluster                                    | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                                        | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                                                                                                   | 2018-2020 EPIC Program Project 3rd Investment Plan         | Market Facilitation                     | \$4,980,000.00          |                            |                 |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 4/13/2016             | 5/12/2016            | 3/31/2026          | Active (Open)               |
| GFO-15-306     | EPC-15-038               | 1                                                         | California State University, Fresno Foundation   | BlueTechValley Innovation Cluster                                              | S10                   | S10: Leverage California's Regional Innovation Clusters to Accelerate the Deployment of Early Stage Clean Energy Technologies and Companies | S10.2                  | S10.2 Support Demonstration Testing and Verification Centers to Accelerate the Deployment of Pre- Commercial Clean Energy Technologies                                           | 2012-2014 EPIC Program 1st Investment Plan                 | Applied Research and Development        | \$3,000,000.00          | \$10,000,000.00            | \$2,655,684.00  | \$718,347                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/13/2016             | 5/16/2016            | 3/31/2027          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                         | Project Title                                                                                                                           | Strategic Objective # | Strategic Objective                                                                                                              | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                               | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding   | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|-----------------|-------------------------------------------|-------------------|------------------------------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-15-306     | EPC-15-038               | 1                                                         | California State University, Fresno Foundation                                | BlueTechValley Innovation Cluster                                                                                                       | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                | S18.1                  | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.                                                                                                                                                                                                        | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation                     | \$2,000,000.00          |                            |                 |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/13/2016             | 5/16/2016            | 3/31/2027          | Active (Open)               |
| GFO-15-306     | EPC-15-038               | 1                                                         | California State University, Fresno Foundation                                | BlueTechValley Innovation Cluster                                                                                                       | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                             | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                                                                                                                                                                                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$5,000,000.00          |                            |                 |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 4/13/2016             | 5/16/2016            | 3/31/2027          | Active (Open)               |
| GFO-15-321     | EPC-16-015               | 1                                                         | Los Angeles Cleantech Incubator                                               | Los Angeles Regional Energy Innovation Cluster                                                                                          | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                | S18.1; S18.2; S18.3    | S18.1 Facilitate a Commercialization Assistance Network to Foster Successful Clean Energy Entrepreneurship.; S18.2 Integrate Market Insight into the Selection and Management of EPIC Funded Technologies and Strategies.; S18.3 Provide Support for Entrepreneurs to Test, Verify, and Certify Their Innovations. | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation                     | \$4,999,247.00          | \$9,998,494.00             | \$3,658,099.00  | \$541,645                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 8/10/2016             | 8/17/2016            | 3/31/2026          | Active (Open)               |
| GFO-15-321     | EPC-16-015               | 1                                                         | Los Angeles Cleantech Incubator                                               | Los Angeles Regional Energy Innovation Cluster                                                                                          | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                                                             | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                                                                                                                                                                                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$4,999,247.00          |                            |                 |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 8/10/2016             | 8/17/2016            | 3/31/2026          | Active (Open)               |
| GFO-16-303     | EPC-16-059               | 1                                                         | Lawrence Berkeley National Laboratory                                         | Advanced VGI Control to Maximize Battery Life and Use of Second-Life Batteries to Increase Grid Service and Renewable Power Penetration | S9                    | S9: Advance Electric Vehicle Infrastructure to Provide Electricity System Benefits.                                              | S9.2                   | S9.2 Advance Vehicle-Grid Integration Technologies and Methods for Broader Use and Benefit for Residential, Private, and Public Users.                                                                                                                                                                             | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,500,000.00          | \$2,500,000.00             | \$0.00          | \$407,071                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 5/10/2017             | 6/16/2017            | 3/31/2027          | Active (Open)               |
| GFO-16-303     | EPC-16-059               | 1                                                         | Lawrence Berkeley National Laboratory                                         | Advanced VGI Control to Maximize Battery Life and Use of Second-Life Batteries to Increase Grid Service and Renewable Power Penetration | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                       | S3.2                   | 3.2 Transportation Electrification                                                                                                                                                                                                                                                                                 | 2021-2025 EPIC Program 4th Investment Plan         | Applied Research and Development        | \$1,000,000.00          |                            |                 |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 5/10/2017             | 6/16/2017            | 3/31/2027          | Active (Open)               |
| GFO-16-309     | EPC-16-070               | 1                                                         | Electric Power Research Institute, Inc.                                       | Integrating Front-of-the-Meter Energy Storage with Smart PV Inverters and Solar Forecasting                                             | S15                   | S15: Demonstrate Advanced Energy Storage Interconnection Systems to Lower Costs, Facilitate Market and Improve Grid Reliability. | S15.1                  | S15.1 Demonstrate Advanced Energy Storage Interconnection Technologies and Systems in Transmission, Distribution, and CustomerSide Applications to Transition to the Commercial Market.                                                                                                                            | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$1,832,770.00          | \$1,832,770.00             | \$591,438.00    | \$604,973                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 6/14/2017             | 6/30/2017            | 3/31/2027          | Active (Open)               |
| GFO-16-309     | EPC-16-077               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus | Solar+ Storage Integrated Energy Management Demonstration in a Supportive Housing Facility                                              | S3                    | S3: Develop Innovative Solutions to Increase the Market Penetration of Distributed Renewable and Advanced Generation.            | S3.2                   | S3.2 Develop Integrated and Hybrid Photovoltaic Technologies and Strategies to Reduce Costs and Advance Zero-Net Energy Buildings.                                                                                                                                                                                 | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$2,110,657.00          | \$2,110,657.00             | \$569,209.00    | \$291,355                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 6/14/2017             | 6/30/2017            | 3/31/2027          | Active (Open)               |
| GFO-15-325     | EPC-17-018               | 1                                                         | The Regents of the University of California on behalf of the Davis campus     | Demonstrating the Potential for On-Site Electricity Generation from Food Waste Using Containerized Anaerobic Digestion Units            | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.                   | S13.2                  | S13.2 Accelerate the Demonstration and Early Deployment of Emerging BioDigester and Integrated Clean Generation to Efficiently Use Agricultural, Municipal, and Other Organic Waste.                                                                                                                               | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$2,411,007.00          | \$2,411,007.00             | \$735,333.00    | \$171,649                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 9/13/2017             | 10/18/2017           | 3/31/2026          | Active (Open)               |
| GFO-15-325     | EPC-17-019               | 1                                                         | Fall River Resource Conservation District                                     | Burney-Hat Creek Bioenergy                                                                                                              | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.                   | S13.1                  | S13.1 Demonstrate and Evaluate Environmentally and Economically Sustainable Biomass-to-Energy Systems for Woody and Other Dry Biomass.                                                                                                                                                                             | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$5,000,000.00  | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 9/13/2017             | 10/18/2017           | 3/31/2025          | Ended                       |
| GFO-15-325     | EPC-17-021               | 1                                                         | Mariposa County Resource Conservation District (MCRCD)                        | Mariposa Biomass Project                                                                                                                | S13                   | S13: Demonstrate and Evaluate Biomass-to-Energy Conversion Systems, Enabling Tools, and Deployment Strategies.                   | S13.1                  | S13.1 Demonstrate and Evaluate Environmentally and Economically Sustainable Biomass-to-Energy Systems for Woody and Other Dry Biomass.                                                                                                                                                                             | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$12,797,062.00 | \$8,842                                   | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 3/21/2018             | 10/18/2017           | 3/31/2027          | Active (Open)               |
| GFO-17-302     | EPC-17-031               | 1                                                         | City of Long Beach                                                            | Port of Long Beach Microgrid - Resilience for Critical Facilities                                                                       | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                         | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost                                                                                                                                                                                | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$8,057,587.00  | \$95,909                                  | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 3/21/2018             | 4/23/2018            | 3/31/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                      | Strategic Objective # | Strategic Objective                                                                                                                             | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                     | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding   | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|-----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                           |                                                                                    |                       |                                                                                                                                                 |                        | Configuration to Meet the Customers Energy Needs.                                                                                                                                                                                                                                        |                                                    |                                         |                         |                            |                 |                                           |                   |                          |             |                                                                      |                       |                      |                    |                             |
| GFO-17-302     | EPC-17-032               | 1                                                         | The Regents of California, San Diego                                      | Miramar Microgrid - Flight Line Resilience through Landfill Gas and Energy Storage | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$6,002,320.00  | \$425,962                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 3/21/2018             | 4/23/2018            | 7/31/2026          | Active (Open)               |
| GFO-17-301     | EPC-17-034               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | California Energy Product Evaluation Hub                                           | S19                   | S19: Facilitate Inclusion of Emerging Clean Energy Technologies into Large-Scale Procurement Processes.                                         | S19.1                  | S19.1 Develop Tools and Strategies to Encourage LargeScale Purchasers to Adopt Emerging Energy Technologies.                                                                                                                                                                             | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation                     | \$10,993,646.00         | \$10,993,646.00            | \$2,347,629.00  | \$3,915,128                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 3/21/2018             | 4/23/2018            | 6/30/2027          | Active (Open)               |
| GFO-17-302     | EPC-17-038               | 1                                                         | Lawrence Berkeley National Laboratory                                     | Camp Parks Army Microgrid - A Blueprint for Nested, Modular Design                 | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$11,410,900.00 | \$817,221                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 3/21/2018             | 4/23/2018            | 3/31/2027          | Active (Open)               |
| GFO-17-304     | EPC-17-040               | 1                                                         | Rocky Mountain Institute                                                  | Mass Deployment of Energy Efficiency Retrofits in Disadvantaged Communities        | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.1; S1.2; S1.3       | S1.1 Advance Efficient Solutions for Lower Energy Buildings.; S1.2 Develop Model Designs and Strategies for Cost-Effective Zero Net Energy Homes and Buildings.; S1.3 Apply Advanced Social Science Research Methods to Improve Adoption of Next Generation Energy Efficiency Solutions. | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$2,401,436.00          | \$7,204,308.00             | \$6,705,308.00  | \$1,555,647                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/13/2018             | 5/1/2018             | 1/2/2025           | Ended                       |
| GFO-17-304     | EPC-17-040               | 1                                                         | Rocky Mountain Institute                                                  | Mass Deployment of Energy Efficiency Retrofits in Disadvantaged Communities        | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                                                                                                                                  | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$4,802,872.00          |                            |                 |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/13/2018             | 5/1/2018             | 1/2/2025           | Ended                       |
| GFO-15-325     | EPC-17-042               | 1                                                         | Camptonville Community Partnership                                        | Camptonville Biomass-to-Energy Project                                             | S4.4                  | 4.4 Improve the Value Proposition of Bioenergy                                                                                                  | S4.4.2                 | 4.4.2 Demonstrating Modular Bioenergy Systems and Feedstock Densifying and Handling Strategies to Improve Conversion of Accessibility-Challenged Forest Biomass Resources                                                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,999,830.00          | \$4,999,830.00             | \$13,030,225.00 | \$203,204                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 1/22/2020             | 4/20/2018            | 3/31/2026          | Active (Open)               |
| GFO-17-302     | EPC-17-049               | 1                                                         | San Diego Unified Port District (Port of San Diego)                       | Port of San Diego Microgrid - Resiliency in Terminal Operations                    | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$4,985,272.00          | \$4,985,272.00             | \$4,629,936.00  | \$528,929                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/9/2018              | 6/13/2018            | 6/13/2026          | Active (Open)               |
| GFO-17-302     | EPC-17-052               | 1                                                         | Gridscape Solutions, Inc.                                                 | Urban Microgrids for Grid Resiliency and Disaster Readiness                        | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$4,995,498.00          | \$4,995,498.00             | \$4,154,902.00  | \$581,490                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/9/2018              | 7/18/2018            | 3/31/2028          | Active (Open)               |
| GFO-17-302     | EPC-17-053               | 1                                                         | Sonoma County Junior College District/ Santa Rosa Junior College          | Santa Rosa Junior College Urban Microgrid Project                                  | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                    | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$4,999,005.00          | \$4,999,005.00             | \$8,689,759.00  | \$359,118                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/13/2018             | 6/30/2018            | 3/31/2026          | Active (Open)               |
| GFO-17-302     | EPC-17-054               | 1                                                         | Rialto Bioenergy Facility LLC                                             | Rialto Resilient Clean Power Microgrid                                             | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance                                                                                                                                                                     | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$6,515,000.00  | \$627,582                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/11/2018             | 7/18/2018            | 3/31/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                           | Strategic Objective # | Strategic Objective                                                                                                                             | Strategic Initiative # | Strategic Initiative                                                                                                                                                                    | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|------------------------------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                              |                                                                                                         |                       |                                                                                                                                                 |                        | and Least Cost Configuration to Meet the Customers Energy Needs.                                                                                                                        |                                                    |                                         |                         |                            |                |                                           |                   |                                                |             |                                                                      |                       |                      |                    |                             |
| GFO-17-302     | EPC-17-055               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                              | Redwood Coast Airport Microgrid                                                                         | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.   | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$6,322,728.00 | \$551,455                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 6/13/2018             | 6/30/2018            | 9/30/2025          | Ended                       |
| GFO-17-302     | EPC-18-001               | 1                                                         | Electric Power Research Institute, Inc.                                      | Port Hueneme Navy Data Center Microgrid                                                                 | S14                   | S14: Take Microgrids to the Next Level: Maximize the Value to Customers.                                                                        | S14.1                  | S14.1 Use Microgrids to Evaluate a Combination of Emerging Technologies to Determine the Best Integrated Performance and Least Cost Configuration to Meet the Customers Energy Needs.   | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$4,998,345.00          | \$4,998,345.00             | \$3,502,754.00 | \$848,609                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 9/21/2018             | 11/1/2018            | 3/31/2026          | Active (Open)               |
| GFO-17-301     | EPC-18-002               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures                             | California Test Bed Initiative                                                                          | S18                   | S18: Foster the Development of the Most Promising Energy Technologies into Successful Businesses.                                               | S18.3                  | S18.3 Provide Support for Entrepreneurs to Test, Verify, and Certify Their Innovations.                                                                                                 | 2015-2017 EPIC Program 2nd Investment Plan         | Market Facilitation                     | \$10,999,701.00         | \$21,998,402.00            | \$916,095.00   | \$566,364                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 12/10/2018            | 4/2/2018             | 3/31/2028          | Active (Open)               |
| GFO-17-301     | EPC-18-002               | 1                                                         | California Clean Energy Fund dba CalCEF Ventures                             | California Test Bed Initiative                                                                          | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                             | S5.1                   | 5.1 Entrepreneurial Support                                                                                                                                                             | 2021-2025 EPIC Program 4th Investment Plan         | Market Facilitation                     | \$10,998,701.00         |                            |                |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 12/10/2018            | 4/2/2018             | 3/31/2028          | Active (Open)               |
| GFO-17-308     | EPC-18-005               | 1                                                         | Heliotrope Technologies, Inc.                                                | Building Energy Impact Analysis of Low Cost NanoEC Electrochromic Window Control Algorithm Optimization | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.1                  | S12.1 Identify and Demonstrate Promising Energy Efficiency and Demand Response Technologies Suitable for Commercialization and Utility Rebate Programs.                                 | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$3,667,104.00          | \$3,667,104.00             | \$952,276.00   | \$1,182,911                               | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 1/9/2019              | 1/16/2019            | 3/31/2025          | Ended                       |
| GFO-17-308     | EPC-18-006               | 1                                                         | SkyCool Systems Inc.                                                         | Radiative Sky Cooling-Enabled Efficiency Improvements on Commercial Cooling Systems                     | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.1                   | S1.1 Advance Efficient Solutions for Lower Energy Buildings.                                                                                                                            | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,770,563.00          | \$1,770,563.00             | \$304,288.00   | \$332,658                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 2/20/2019             | 2/9/2019             | 3/30/2025          | Completed                   |
| GFO-17-308     | EPC-18-008               | 1                                                         | MicroBio Engineering, Inc.                                                   | Improving Energy Efficiency and Performance of Wastewater Recycling                                     | S1                    | S1: Improve Energy Efficiency Technologies and Strategies in California's Building, Industrial, Agriculture, and Water Sectors.                 | S1.5                   | S1.5 Develop and Test Advanced Industrial, Agricultural, Water and Demand Response Technologies and Strategies to Reduce Energy Use and Costs.                                          | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$1,550,227.00          | \$1,550,227.00             | \$160,000.00   | \$548,356                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 2/20/2019             | 3/6/2019             | 3/31/2025          | Ended                       |
| GFO-15-312p2   | EPC-18-011               | 1                                                         | Zero Net Energy (ZNE) Alliance                                               | Lancaster Advanced Energy Community (AEC) Project                                                       | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.2                  | S12.2 Demonstrate Large-Scale Deployment of Integrated DemandSide Management and Demand Response Programs in Buildings.                                                                 | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$3,738,300.00          | \$4,999,060.00             | \$5,674,720.00 | \$809,583                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 5/15/2019             | 6/1/2019             | 3/31/2026          | Active (Open)               |
| GFO-15-312p2   | EPC-18-011               | 1                                                         | Zero Net Energy (ZNE) Alliance                                               | Lancaster Advanced Energy Community (AEC) Project                                                       | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                                                   | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,260,760.00          |                            |                |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 5/15/2019             | 6/1/2019             | 3/31/2026          | Active (Open)               |
| GFO-15-312p2   | EPC-18-013               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | The Oakland EcoBlock, Phase II: A Zero Net Energy, Low Water-Use Retrofit Neighborhood                  | S12                   | S12: Overcome Barriers to Emerging Energy Efficiency and Demand-Side Management Solutions through Demonstrations in New and Existing Buildings. | S12.2                  | S12.2 Demonstrate Large-Scale Deployment of Integrated DemandSide Management and Demand Response Programs in Buildings.                                                                 | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$3,740,181.00          | \$5,000,000.00             | \$3,491,600.00 | \$700,249                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 11/30/2026         | Active (Open)               |
| GFO-15-312p2   | EPC-18-013               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | The Oakland EcoBlock, Phase II: A Zero Net Energy, Low Water-Use Retrofit Neighborhood                  | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                                                   | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,259,819.00          |                            |                |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 11/30/2026         | Active (Open)               |
| GFO-18-304     | EPC-18-022               | 1                                                         | Natron Energy, Inc.                                                          | Advanced Energy Storage for Electric Vehicle Charging Support                                           | S15                   | S15: Demonstrate Advanced Energy Storage Interconnection Systems to Lower Costs, Facilitate Market and Improve Grid Reliability.                | S15.1                  | S15.1 Demonstrate Advanced Energy Storage Interconnection Technologies and Systems in Transmission, Distribution, and CustomerSide Applications to Transition to the Commercial Market. | 2015-2017 EPIC Program 2nd Investment Plan         | Technology Demonstration and Deployment | \$2,998,064.00          | \$2,998,064.00             | \$1,445,706.00 | \$96,753                                  | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 6/12/2019             | 6/28/2019            | 6/30/2026          | Active (Open)               |
| GFO-18-301     | EPC-18-026               | 1                                                         | Spatial Informatics Group, LLC                                               | Comprehensive Open Source Development of Next Generation Wildfire Models for Grid Resiliency            | S7                    | S7: Develop Advanced Distribution Modeling Tools for the Future Smart Grid.                                                                     | S7.1                   | S7.1 Develop Open-Source Electricity System Modeling Tools to Visualize California's Modern Distribution Systems.                                                                       | 2015-2017 EPIC Program 2nd Investment Plan         | Applied Research and Development        | \$4,021,416.00          | \$5,000,000.00             | \$2,031,314.00 | \$546,431                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Micro Business, Calif Based Entity                              | 6/12/2019             | 6/28/2019            | 6/30/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                                                                | Strategic Objective # | Strategic Objective                                                                                                                   | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                    | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-18-301     | EPC-18-026               | 1                                                         | Spatial Informatics Group, LLC                                            | Comprehensive Open Source Development of Next Generation Wildfire Models for Grid Resiliency                                 | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events                                    | S7.2.1; S7.2.2; S7.2.3 | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options; 7.2.2 Clarify Interactions between Renewable Electricity Systems and Climate Change to Ensure an Effective, Resilient Transition to Low-Carbon Energy in California; 7.2.3 Integrate Climate Readiness into Electricity System Operations, Tools, and Models | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$978,584.00            |                            |                |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Micro Business, Calif Based Entity                              | 6/12/2019             | 6/28/2019            | 6/30/2026          | Active (Open)               |
| GFO-15-312p3   | EPC-19-005               | 1                                                         | Zero Net Energy (ZNE) Alliance                                            | Richmond Advanced Energy Community (AEC) Phase II Project                                                                    | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                                         | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,998,555.00          | \$4,998,555.00             | \$2,813,454.00 | \$1,092,030                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 3/11/2020             | 3/2/2020             | 3/31/2026          | Active (Open)               |
| GFO-15-312p3   | EPC-19-006               | 1                                                         | The Energy Coalition                                                      | Basset-Avocado Advanced Energy Community                                                                                     | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                                         | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$9,093,833.00          | \$9,093,833.00             | \$5,459,863.00 | \$1,487,220                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/13/2020             | 5/1/2020             | 6/30/2026          | Active (Open)               |
| GFO-19-301     | EPC-19-012               | 1                                                         | Franklin Energy Services, LLC                                             | Affordable Space Conditioning and Domestic Hot Water Systems with Low Emissions and High Performance                         | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                                                                                                                                                                                                                                                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,499,925.00          | \$1,499,925.00             | \$163,150.00   | \$305,761                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/13/2020             | 5/20/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-301     | EPC-19-013               | 1                                                         | Lawrence Berkeley National Laboratory                                     | HP-Flex: Next Generation Heat Pump Load Flexibility                                                                          | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services              | S3.1.2                 | 3.1.2 Assess Performance of Load Control Systems                                                                                                                                                                                                                                                                                                        | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000.00          | \$3,000,000.00             | \$386,500.00   | \$989,122                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/13/2020             | 6/15/2020            | 6/30/2026          | Active (Open)               |
| GFO-19-301     | EPC-19-014               | 1                                                         | Electric Power Research Institute, Inc.                                   | A zero GWP heat pump and distribution system for all-electric heating and cooling in California                              | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                                                                                                                                                                                                                                                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,498,557.00          | \$2,498,557.00             | \$440,000.00   | \$648,140                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/13/2020             | 6/1/2020             | 3/31/2026          | Active (Open)               |
| GFO-19-301     | EPC-19-015               | 1                                                         | Western Cooling Efficiency Center - UC Davis                              | Optimizing Heat Pump Load Flexibility for Cost, Comfort, and Carbon Emissions                                                | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services              | S3.1.2                 | 3.1.2 Assess Performance of Load Control Systems                                                                                                                                                                                                                                                                                                        | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,537,436.00          | \$2,537,436.00             | \$256,701.00   | \$570,955                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/13/2020             | 6/15/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-301     | EPC-19-016               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | Affordable Near- and Medium-Term Solutions for Integration of Low GWP Heat Pumps in Residential Buildings                    | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                                                                                                                                                                                                                                                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,916,306.00          | \$1,916,306.00             | \$200,000.00   | \$455,123                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/13/2020             | 5/13/2020            | 1/2/2025           | Ended                       |
| GFO-19-304     | EPC-19-023               | 1                                                         | Institute of Gas Technology dba GTI Energy                                | Booster Ejector Enhancement of Compressor Refrigeration Facilities Utilizing Industrial Process Waste Heat                   | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                                          | S1.7.1                 | 1.7.1 Optimize Refrigeration Compressor Efficiency and Test and Evaluate Alternative Refrigerants                                                                                                                                                                                                                                                       | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,621,556.00          | \$1,621,556.00             | \$173,707.00   | \$404,995                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/13/2020             | 6/15/2020            | 12/31/2025         | Ended                       |
| GFO-18-305     | EPC-19-026               | 1                                                         | Center for Sustainable Energy                                             | Developing Lessons Learned, Best Practices, Training Materials, and Guidebooks for Customer Side of the Meter Energy Storage | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                          | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$1,000,000.00          | \$1,000,000.00             | \$244,000.00   | \$349,527                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/13/2020             | 6/1/2020             | 3/31/2027          | Active (Open)               |
| GFO-19-303     | EPC-19-029               | 1                                                         | Hell's Kitchen Geothermal LLC                                             | Improved Silica Removal for Enhanced Geothermal Plant Performance                                                            | S4.3                  | 4.3 Increase the Strategic Value of Flexible CSP and Geothermal to the Electricity System                                             | S4.3.2                 | 4.3.2 Geothermal Energy Advancement for a Reliable Renewable Electricity System                                                                                                                                                                                                                                                                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,999,599.00          | \$2,999,599.00             | \$55,833.00    | \$1,055,530                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/1/2020             | 6/30/2025          | Ended                       |
| GFO-19-301     | EPC-19-030               | 1                                                         | Association for Energy Affordability                                      | Large Capacity CO2 Central Heat Pump Water Heating Technology Evaluation and Demonstration                                   | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                                                                                                                                                                                                                                                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,800,193.00          | \$2,800,193.00             | \$1,227,128.00 | \$422,709                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/17/2020            | 6/30/2026          | Active (Open)               |
| GFO-19-305     | EPC-19-031               | 1                                                         | Antora Energy, Inc.                                                       | Solid-state Long Duration Energy Storage for Industrial Applications                                                         | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                                          | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,999,787.00          | \$1,999,787.00             | \$2,071,313.00 | \$99,176                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-301     | EPC-19-032               | 1                                                         | Association for Energy Affordability                                      | Low-GWP Mechanical Modules for Rapid Deployment Project (LG-MM)                                                              | S1.3                  | 1.3 Meeting the Demand for Efficient and Environmentally Friendly Heating, Ventilation and Air Conditioning and Refrigeration Systems | S1.3.1                 | 1.3.1 Develop and Test California Climate Appropriate Advanced HVAC Systems and Water Heaters                                                                                                                                                                                                                                                           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,499,926.00          | \$1,499,926.00             | \$58,520.00    | \$104,657                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2025          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                      | Project Title                                                                                                    | Strategic Objective # | Strategic Objective                                                                          | Strategic Initiative # | Strategic Initiative                                                                                               | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding   | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|-----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-19-307     | EPC-19-033               | 1                                                         | Lawrence Berkeley National Laboratory      | Demonstrating Benefits of Highly Insulating Thin-Triple Window Retrofits in California                           | S1.2                  | 1.2 Showcase Benefits of Advanced Window and Building Envelope Systems                       | S1.2.1                 | 1.2.1 Deploy Next Generation Window and Building Envelope Systems in Existing Residential and Commercial Buildings | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,850,000.00          | \$1,850,000.00             | \$630,000.00    | \$465,885                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-305     | EPC-19-034               | 1                                                         | e-Zinc Inc                                 | Commercialization of Lowest-Cost, Long Duration Energy Storage Systems                                           | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,286,777.00          | \$1,286,777.00             | \$411,010.00    | \$73,640                                  | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 6/10/2020             | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-307     | EPC-19-035               | 1                                                         | Electric Power Research Institute, Inc.    | Advancing Energy Efficiency in Manufactured Homes Through High Performance Envelope                              | S1.2                  | 1.2 Showcase Benefits of Advanced Window and Building Envelope Systems                       | S1.2.3                 | 1.2.3 Multifamily Factory Built Homes Competition for Highly Efficient Building Envelopes                          | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,999,982.00          | \$1,999,982.00             | \$402,998.00    | \$457,245                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 8/31/2026          | Active (Open)               |
| GFO-19-305     | EPC-19-037               | 1                                                         | Dash2energy LLC                            | Demand Based Renewable Hydrogen Power-to-Power Project                                                           | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,275,475.00          | \$1,275,475.00             | \$275,000.00    | \$53,523                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity, Minority Owned                              | 6/10/2020             | 6/30/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-310     | EPC-19-038               | 1                                                         | Smartville, Inc.                           | Low-Cost and Easy-to-Integrate Second-Life Battery HUB                                                           | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,035,787.00          | \$2,035,787.00             | \$955,256.00    | \$79,875                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2025          | Ended                       |
| GFO-19-310     | EPC-19-039               | 1                                                         | RePurpose Energy, Inc.                     | Reuse of Electric Vehicle Batteries for Solar Energy Storage                                                     | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000.00          | \$3,000,000.00             | \$1,042,541.00  | \$210,998                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 6/29/2027          | Active (Open)               |
| GFO-19-305     | EPC-19-040               | 1                                                         | Salient Energy Inc.                        | California Zinc-ion Energy Storage Development and Validation Project                                            | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,583,125.00          | \$1,583,125.00             | \$1,598,812.00  | \$64,904                                  | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 6/10/2020             | 6/30/2020            | 3/31/2025          | Completed                   |
| GFO-19-305     | EPC-19-041               | 1                                                         | Form Energy, Inc.                          | Demonstrating an Aqueous Air-Breathing Energy Storage System for Multi-Day Resiliency                            | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,998,215.00          | \$1,998,215.00             | \$1,603,078.00  | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 6/10/2020             | 6/30/2020            | 12/31/2025         | Ended                       |
| GFO-19-305     | EPC-19-042               | 1                                                         | Zelos Energy LTD                           | Zinc Batteries for California Electrical Customer Power Backup                                                   | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,747,721.00          | \$1,747,721.00             | \$621,870.00    | \$355,461                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 3/31/2025          | Completed                   |
| GFO-19-307     | EPC-19-043               | 1                                                         | Institute of Gas Technology dba GTI Energy | Advanced Energy-efficient and Fire-resistive Envelope Systems Utilizing Vacuum Insulation for Manufactured Homes | S1.2                  | 1.2 Showcase Benefits of Advanced Window and Building Envelope Systems                       | S1.2.3                 | 1.2.3 Multifamily Factory Built Homes Competition for Highly Efficient Building Envelopes                          | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,000,000.00          | \$2,000,000.00             | \$801,557.00    | \$658,603                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/10/2020             | 6/30/2020            | 6/30/2026          | Active (Open)               |
| GFO-19-306     | EPC-19-045               | 1                                                         | GRID Alternatives                          | Critical Resilience for Fire and Emergency Facilities with the Soboba Band of Luiseño                            | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,710,494.00          | \$1,710,494.00             | \$472,610.00    | \$298,664                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity, Woman Own                                   | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-306     | EPC-19-046               | 1                                                         | Indian Energy LLC                          | Demonstrating a Long-duration Flywheel Energy Storage System                                                     | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,218,374.00          | \$1,218,374.00             | \$1,344,305.00  | \$32,360                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 12/31/2026         | Active (Open)               |
| GFO-19-306     | EPC-19-047               | 1                                                         | BoxPower Inc.                              | CATAPULT: "California Title 24 Advanced Power Utilization Technology"                                            | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$999,099.00            | \$999,099.00               | \$253,095.00    | \$287,885                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Micro Business, Calif Based Entity                              | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-306     | EPC-19-050               | 1                                                         | Rincon Band of Luiseño Indians             | Rincon Long Duration Energy Storage Solar Microgrid                                                              | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$7,282,496.00          | \$6,618,744.00             | \$8,634,550.00  | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-306     | EPC-19-050               | 1                                                         | Rincon Band of Luiseño Indians             | Rincon Long Duration Energy Storage Solar Microgrid                                                              | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market           | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | -\$663,752.00           |                            |                 |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-306     | EPC-19-051               | 1                                                         | Indian Energy LLC                          | Hybrid Modular Storage System (HMSS) as a long-duration                                                          | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate                                                 | 2018-2020 EPIC Program Project                     | Technology Demonstration and Deployment | \$5,002,334.00          | \$5,002,334.00             | \$10,806,410.00 | \$401,225                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                         | Project Title                                                                                                                              | Strategic Objective # | Strategic Objective                                                                                                      | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                               | energy storage technology Demonstration                                                                                                    |                       |                                                                                                                          |                        | Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3rd Investment Plan                                |                                         |                         |                            |                |                                           |                   |                          |             |                                                                      |                       |                      |                    |                             |
| GFO-19-310     | EPC-19-053               | 1                                                         | San Diego State University Foundation                                         | Cost-Effective Integration of Second-life EV Batteries with Solar PV Systems for Commercial Buildings                                      | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                             | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,837,672.00          | \$2,837,672.00             | \$835,375.00   | \$407,945                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 12/31/2026         | Active (Open)               |
| GFO-19-306     | EPC-19-054               | 1                                                         | Electric Power Research Institute, Inc.                                       | Demonstrating Code-compliant Energy Storage Systems and Their Capabilities for Grid Harmonization                                          | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                             | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$999,841.00            | \$999,841.00               | \$200,017.00   | \$344,172                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2027          | Active (Open)               |
| GFO-19-310     | EPC-19-055               | 1                                                         | ReJoule Incorporated                                                          | Enabling EV Battery Circular Economy                                                                                                       | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                             | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,970,774.00          | \$2,970,774.00             | \$411,219.00   | \$178,609                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 12/31/2026         | Active (Open)               |
| GFO-19-306     | EPC-19-058               | 1                                                         | Antelope Valley Water Storage, LLC                                            | Long Duration 50 kW Energy Storage with Aquifer Pumped Hydro                                                                               | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                             | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,000,000.00          | \$2,000,000.00             | \$500,000.00   | \$12,402                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/8/2020              | 6/30/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-306     | EPC-19-059               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus | Residential Solar+Storage Control Unit for Providing Grid Services and Demand Side Management                                              | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                             | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$939,232.00            | \$939,232.00               | \$362,250.00   | \$147,600                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/8/2020              | 7/1/2020             | 3/31/2028          | Active (Open)               |
| GFO-18-902     | EPC-20-001               | 1                                                         | Lawrence Berkeley National Laboratory                                         | Energy-Water Desalination Hub                                                                                                              | S6.1                  | 6.1 Reduce the Energy Intensity Required to Supply and Treat Water                                                       | S6.1.1; S6.1.2; S6.1.3 | 6.1.1 Develop and Test Novel Energy Efficient Treatment Methods for Conventional and Non-Conventional Sources of Water Supply ; 6.1.2 Develop and Demonstrate Tools and Strategies to Help Water and Wastewater Agencies Lower Energy Use, Increase Efficiency and Reduce the Carbon Intensity of its Operations ; 6.1.3 Develop and Demonstrate Advanced Energy Efficiency Improvements to Allow for On-Site Wastewater Treatment and Reuse for Industrial Facilities and Water Intensive Industries | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000.00          | \$3,000,000.00             | \$0.00         | \$1,493,597                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 8/12/2020             | 8/30/2020            | 3/31/2025          | Ended                       |
| GFO-19-306     | EPC-20-002               | 1                                                         | Charge Bliss, Inc.                                                            | Essential Power Support for the Kaiser Permanente Ontario Medical Center using Long Duration Batteries within a Renewable Energy Microgrid | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                             | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$8,351,000.00          | \$8,351,000.00             | \$7,549,000.00 | \$142,698                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Micro Business, Calif Based Entity                              | 9/9/2020              | 6/30/2020            | 3/31/2026          | Active (Open)               |
| GFO-19-301     | EPC-20-004               | 1                                                         | Redwood Energy                                                                | Central Heat Pump Water Heater Load Flexibility                                                                                            | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services | S3.1.2                 | 3.1.2 Assess Performance of Load Control Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,043,755.00          | \$2,043,755.00             | \$48,200.00    | \$119,460                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 1/25/2021             | 1/3/2021             | 12/31/2025         | Ended                       |
| GFO-19-305     | EPC-20-005               | 1                                                         | Technology & Investment Solutions, LLC                                        | Hy2green - Electrolytic Hydrogen Energy Storage Using Novel Metal Hydrides                                                                 | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                             | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,766,775.00          | \$1,766,775.00             | \$167,450.00   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 3/31/2027          | Active (Open)               |
| GFO-19-311     | EPC-20-006               | 1                                                         | The Regents of California, San Diego                                          | Development of Climate Projections for California and Identification of Priority Projections                                               | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events                       | S7.2.1                 | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options                                                                                                                                                                                                                                                                                                                                                                                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,500,000.00          | \$1,500,000.00             | \$116,955.00   | \$289,305                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 1/25/2021             | 1/30/2021            | 3/31/2026          | Active (Open)               |
| GFO-19-311     | EPC-20-007               | 1                                                         | Eagle Rock Analytics, Inc.                                                    | A Co-Produced Climate Data and Analytics Platform to Support California's Electricity Resilience Investments                               | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events                       | S7.2.1; S7.2.3         | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options; 7.2.3 Integrate Climate Readiness into Electricity System Operations, Tools, and Models                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,500,000.00          | \$3,500,000.00             | \$339,500.00   | \$690,361                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Small Business, Micro Business, Calif Based Entity              | 1/25/2021             | 1/13/2021            | 3/31/2026          | Active (Open)               |
| GFO-19-306     | EPC-20-008               | 1                                                         | Antelope Valley Water Storage, LLC                                            | Long Duration 200 kW Energy Storage with Aquifer Pumped Hydro                                                                              | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                             | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$6,406,950.00          | \$6,406,950.00             | \$3,200,000.00 | \$70,470                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 3/17/2021             | 2/15/2021            | 6/28/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                             | Project Title                                                                                                | Strategic Objective # | Strategic Objective                                                                                                      | Strategic Initiative # | Strategic Initiative                                                                                                                 | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|------------------------------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                   |                                                                                                              |                       |                                                                                                                          |                        | Integrated Distributed Storage Market                                                                                                |                                                    |                                         |                         |                            |                |                                           |                   |                                                |             |                                                                      |                       |                      |                    |                             |
| GFO-20-303     | EPC-20-009               | 1                                                         | The Regents of the University of California, San Diego Foundation | Smart Plug Load Controls Integrated with Building Energy Management Systems                                  | S1.5                  | 1.5 Increase Plug Loads and Consumer Electronics Efficiency                                                              | S1.5.3                 | 1.5.3 Large-Scale Demonstrations of Low Energy Consuming Plug-In Devices with the High Potential for Market Adoption and Penetration | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,028,125.00          | \$1,028,125.00             | \$370,125.00   | \$73,078                                  | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 2/10/2021             | 3/1/2021             | 1/31/2025          | Ended                       |
| GFO-20-301     | EPC-20-011               | 1                                                         | EnergyHub, Inc.                                                   | Increasing Access to Smart and Affordable Energy for Customers and Resource Adequacy for the California Grid | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,000,000.00          | \$1,863,275.00             | \$1,333,815.00 | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A         | None                                                                 | 3/17/2021             | 4/16/2021            | 6/30/2027          | Active (Open)               |
| GFO-20-301     | EPC-20-011               | 1                                                         | EnergyHub, Inc.                                                   | Increasing Access to Smart and Affordable Energy for Customers and Resource Adequacy for the California Grid | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | -\$136,725.00           |                            |                |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | None                                                                 | 3/17/2021             | 4/16/2021            | 6/30/2027          | Active (Open)               |
| GFO-20-301     | EPC-20-012               | 1                                                         | All Power Labs, Inc.                                              | Development and Demonstration of Distributed Biomass CHP Microgrid Systems                                   | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$3,287,890.00          | \$3,287,890.00             | \$1,988,074.00 | \$496,500                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Small Business, Micro Business, Calif Based Entity              | 4/14/2021             | 4/19/2021            | 3/31/2025          | Ended                       |
| GFO-20-301     | EPC-20-013               | 1                                                         | Noon Energy Inc.                                                  | Pilot Demo of Ultra Low Cost, Long-Duration Energy Storage Coupled to Solar Power                            | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,166,000.00          | \$2,166,000.00             | \$1,950,000.00 | \$438,095                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 3/17/2021             | 4/15/2021            | 9/30/2026          | Active (Open)               |
| GFO-20-301     | EPC-20-014               | 1                                                         | Next Energy Technologies                                          | Rapid Innovation Development of Energy Generating Windows for Zero- and Negative-Carbon Emission Buildings   | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000.00          | \$3,000,000.00             | \$2,500,133.00 | \$923,875                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 3/17/2021             | 4/16/2021            | 3/31/2025          | Completed                   |
| GFO-20-301     | EPC-20-017               | 1                                                         | Treau, Inc.                                                       | Increasing the Thermal Range and Efficiency of Affordable User-Installable Room Heat Pumps                   | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,761,606.00          | \$2,761,606.00             | \$1,669,742.00 | \$789,624                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 3/17/2021             | 4/1/2021             | 3/31/2025          | Ended                       |
| N/A            | EPC-20-019               | 1                                                         | Polaris Energy Services Inc.                                      | Accelerated Deployment of Irrigation Pumping Demand Flexibility                                              | S6.2                  | 6.2 Increase the Energy and Water Efficiency of California's Food and Agricultural Sector                                | S6.2.1                 | 6.2.1 Demonstrate Advanced Water and/or Energy Efficiency Technologies to Reduce Carbon Intensity of Agriculture                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,884,912.00          | \$2,884,912.00             | \$576,982.00   | \$466,190                                 | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 3/31/2021            | 3/31/2025          | Completed                   |
| GFO-20-301     | EPC-20-020               | 1                                                         | Feasible, Inc.                                                    | Machine Learning Enhanced Acoustic Inspection to Improve Battery Manufacturing                               | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,000,000.00          | \$1,000,000.00             | \$901,500.00   | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 3/17/2021             | 3/24/2021            | 6/30/2025          | Ended                       |
| GFO-20-301     | EPC-20-022               | 1                                                         | OptiGrid, LLC                                                     | OptiGrid Gen 1 Development and Demonstration Project                                                         | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$3,468,490.00          | \$3,468,490.00             | \$4,895,578.00 | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Small Business, Calif Based Entity                              | 4/14/2021             | 4/21/2021            | 6/30/2029          | Active (Open)               |
| GFO-18-902     | EPC-20-023               | 1                                                         | Rocky Mountain Institute                                          | Scaling Industrialized Zero Emissions Retrofits in California and Beyond                                     | S2.1                  | 2.1 Achieve Cost-Effective and Sustainable Retrofits to Highly Energy Efficient Buildings and Communities                | S2.1.1                 | 2.1.1 Develop Community Renovation for High Efficiency and Grid Resources                                                            | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$687,500.00            | \$1,312,500.00             | \$0.00         | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 4/15/2021            | 4/30/2027          | Active (Open)               |
| GFO-18-902     | EPC-20-023               | 1                                                         | Rocky Mountain Institute                                          | Scaling Industrialized Zero Emissions Retrofits in California and Beyond                                     | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                          | S4.1                   | 4.1 Building Decarbonization                                                                                                         | 2021-2025 EPIC Program 4th Investment Plan         | Applied Research and Development        | \$625,000.00            |                            |                |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 4/15/2021            | 4/30/2027          | Active (Open)               |
| GFO-19-309     | EPC-20-025               | 1                                                         | Lawrence Berkeley National Laboratory                             | Achieving Integrated and Equitable Decarbonized Loads with CalFlexHub                                        | S3.1                  | 3.1 Accelerate Broad Adoption of Automated Demand Response Capabilities that Provide the Grid Flexible Response Services | S3.1.1; S3.1.3         | 3.1.1 Pilot Test for the Next-Generation Demand Response Landscape; 3.1.3 Assess iDERs and Load Management Systems                   | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$7,000,000.00          | \$16,000,000.00            | \$3,362,000.00 | \$4,213,091                               | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 9/30/2026          | Active (Open)               |
| GFO-19-309     | EPC-20-025               | 1                                                         | Lawrence Berkeley National Laboratory                             | Achieving Integrated and Equitable Decarbonized Loads with CalFlexHub                                        | S2.1                  | 2.1 Achieve Cost-Effective and Sustainable Retrofits to Highly Energy Efficient Buildings and Communities                | S2.1.1                 | 2.1.1 Develop Community Renovation for High Efficiency and Grid Resources                                                            | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$9,000,000.00          |                            |                |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 9/30/2026          | Active (Open)               |
| GFO-20-301     | EPC-20-026               | 1                                                         | Caban Systems, Inc.                                               | Advanced Energy Storage for California's Critical Infrastructure Project                                     | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,095,264.00          | \$1,095,264.00             | \$987,764.00   | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 4/14/2021            | 3/31/2029          | Active (Open)               |
| GFO-20-301     | EPC-20-028               | 1                                                         | Nnextech Batteries, Inc.                                          | Bringing Lithium Sulfur Technology to Market                                                                 | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,996,782.00          | \$2,996,782.00             | \$1,500,000.00 | \$279,928                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | None                                                                 | 4/14/2021             | 5/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-302     | EPC-20-029               | 1                                                         | Antora Energy, Inc.                                               | Manufacturing Scale-up of Record-Breaking Solid-State                                                        | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                     | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with                                                                                            | 2018-2020 EPIC Program Project                     | Market Facilitation                     | \$2,999,695.00          | \$2,999,695.00             | \$2,745,457.00 | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 3/31/2025          | Ended                       |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                       | Project Title                                                                                                                                        | Strategic Objective # | Strategic Objective                                                                                       | Strategic Initiative # | Strategic Initiative                                                                                                                                                             | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                             | Heat Engine for Deep Decarbonization in California                                                                                                   |                       |                                                                                                           |                        | Local California Manufacturing                                                                                                                                                   | 3rd Investment Plan                                |                                         |                         |                            |                |                                           |                   |                          |             |                                                                      |                       |                      |                    |                             |
| GFO-20-303     | EPC-20-030               | 1                                                         | Electric Power Research Institute, Inc.                     | Smart, Hybrid, Grid-Connected Exterior Lighting Systems.                                                                                             | S1.1                  | 1.1 Accelerate Product Development and Market Acceptance of Solid-state Lighting Technologies and Designs | S1.1.2                 | 1.1.2 Test Novel Luminaire Systems Architecture And Form Factors That Leverage The Unique Properties Of LEDS                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$500,000.00            | \$3,308,595.00             | \$983,000.00   | \$790,343                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 6/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-303     | EPC-20-030               | 1                                                         | Electric Power Research Institute, Inc.                     | Smart, Hybrid, Grid-Connected Exterior Lighting Systems.                                                                                             | S1.5                  | 1.5 Increase Plug Loads and Consumer Electronics Efficiency                                               | S1.5.3                 | 1.5.3 Large-Scale Demonstrations of Low Energy Consuming Plug-In Devices with the High Potential for Market Adoption and Penetration                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,808,595.00          |                            |                |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 6/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-303     | EPC-20-031               | 1                                                         | Regents of the University of California, Davis              | Renewable Energy & Advanced Lighting Systems for Exterior Applications                                                                               | S1.1                  | 1.1 Accelerate Product Development and Market Acceptance of Solid-state Lighting Technologies and Designs | S1.1.2                 | 1.1.2 Test Novel Luminaire Systems Architecture And Form Factors That Leverage The Unique Properties Of LEDS                                                                     | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,026.00              | \$4,166,306.00             | \$1,250,000.00 | \$506,771                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 6/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-303     | EPC-20-031               | 1                                                         | Regents of the University of California, Davis              | Renewable Energy & Advanced Lighting Systems for Exterior Applications                                                                               | S1.5                  | 1.5 Increase Plug Loads and Consumer Electronics Efficiency                                               | S1.5.3                 | 1.5.3 Large-Scale Demonstrations of Low Energy Consuming Plug-In Devices with the High Potential for Market Adoption and Penetration                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,163,280.00          |                            |                |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 6/1/2021             | 3/31/2026          | Active (Open)               |
| GFO-20-302     | EPC-20-032               | 1                                                         | Ubiquitous Energy, Inc.                                     | Productizing Transparent Solar Windows: Enabling Production of Transparent Renewable Energy Generating Windows                                       | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                      | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$2,997,343.00          | \$2,997,343.00             | \$5,181,615.00 | \$50,976                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 5/14/2021            | 3/31/2025          | Ended                       |
| GFO-20-302     | EPC-20-033               | 1                                                         | Halo Industries, Inc.                                       | Production Scale-Up of Conductive Silicon Carbide Wafer Technology for Electric Vehicle and Charging Infrastructure Power Electronics Cost Reduction | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                      | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$3,000,000.00          | \$3,000,000.00             | \$2,700,000.00 | \$419,800                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 5/1/2021             | 3/31/2025          | Ended                       |
| GFO-20-302     | EPC-20-035               | 1                                                         | Twelve Benefits Corporation (Formerly Opus 12 Incorporated) | Low rate production pilot line for CO2 electroreduction Membrane Electrode Assembly fabrication                                                      | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                      | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$3,000,000.00          | \$3,000,000.00             | \$1,811,065.00 | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 4/14/2021             | 4/14/2021            | 3/31/2025          | Completed                   |
| GFO-20-301     | EPC-20-037               | 1                                                         | Stasis Energy Group LLC                                     | Stasis Energy Group Thermal Energy Storage System (TESS) for Packaged HVAC Systems                                                                   | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,634,740.00          | \$1,634,740.00             | \$1,169,571.00 | \$148,613                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/12/2021             | 6/1/2021             | 3/31/2025          | Completed                   |
| GFO-20-304     | EPC-20-038               | 1                                                         | MOEV Inc.                                                   | Artificial Intelligence Based Heavy-Duty Fleet Charging to enable Distributed Energy Resource Integration                                            | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                         | S3.2.1                 | 3.2.1 Grid-Friendly PEV Mobility                                                                                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$3,319,387.00          | \$3,319,387.00             | \$3,000,000.00 | \$794,793                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/12/2021             | 6/1/2021             | 5/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-20-039               | 1                                                         | EPC Power Corp.                                             | Solid-State DC-DC Power Electronics for Grid-Scale Lithium EV Battery Pack Integration                                                               | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,499,532.00          | \$3,499,532.00             | \$1,750,246.00 | \$784,760                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/12/2021             | 1/12/2022            | 3/31/2026          | Active (Open)               |
| GFO-20-304     | EPC-20-040               | 1                                                         | Lawrence Berkeley National Laboratory                       | Innovative School Bus Charging for Resilient Communities                                                                                             | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                         | S3.2.1                 | 3.2.1 Grid-Friendly PEV Mobility                                                                                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,000,000.00          | \$4,000,000.00             | \$1,285,822.00 | \$782,042                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/12/2021             | 6/1/2021             | 3/31/2027          | Active (Open)               |
| GFO-20-304     | EPC-20-042               | 1                                                         | TA Operating LLC                                            | TAKing Charge: TravelCenters of America Ultra-Fast En-Route Charging                                                                                 | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage              | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                         | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,000,000.00          | \$4,000,000.00             | \$1,232,123.00 | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 6/9/2021              | 7/26/2021            | 9/30/2027          | Active (Open)               |
| GFO-20-309     | EPC-20-043               | 1                                                         | Regents of the University of California, Davis              | Optimized Controls for Cooling California Dairy Cows                                                                                                 | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                              | S1.7.2                 | 1.7.2 Develop and Deploy Sensors and Software to Optimize Compressed Air and Other Related Systems to Minimize Energy Losses and Maximize Efficiency                             | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,529,705.00          | \$1,529,705.00             | \$306,451.00   | \$246,762                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/9/2021              | 6/30/2021            | 3/31/2026          | Active (Open)               |
| GFO-20-309     | EPC-20-044               | 1                                                         | Caliskaner Water Technologies, Inc.                         | Demonstration of Advanced Primary and Secondary Treatment Technologies for Energy and Performance Benefits to Wastewater Treatment                   | S6.1                  | 6.1 Reduce the Energy Intensity Required to Supply and Treat Water                                        | S6.1.2                 | 6.1.2 Develop and Demonstrate Tools and Strategies to Help Water and Wastewater Agencies Lower Energy Use, Increase Efficiency and Reduce the Carbon Intensity of its Operations | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,000,000.00          | \$4,000,000.00             | \$2,669,214.00 | \$1,289,918                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/9/2021              | 6/21/2021            | 3/31/2025          | Ended                       |
| GFO-20-309     | EPC-20-045               | 1                                                         | Enpowered Solutions, LLC                                    | Artificial Intelligence for Energy Efficiency Optimization in California Dairy Operations                                                            | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                              | S1.7.2; S1.7.4         | 1.7.2 Develop and Deploy Sensors and Software to Optimize Compressed Air                                                                                                         | 2018-2020 EPIC Program Project                     | Technology Demonstration and Deployment | \$1,638,868.00          | \$1,638,868.00             | \$445,798.00   | \$169,163                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/9/2021              | 6/30/2021            | 12/31/2026         | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                   | Project Title                                                                                               | Strategic Objective # | Strategic Objective                                                                                               | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                          | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding   | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|-----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                         |                                                                                                             |                       |                                                                                                                   |                        | and Other Related Systems to Minimize Energy Losses and Maximize Efficiency; 1.7.4 Large Scale Deployment of Pre-Commercial Technologies with Demonstrated Potential                                                                          | 3rd Investment Plan                                |                                         |                         |                            |                 |                                           |                   |                          |             |                                                                      |                       |                      |                    |                             |
| GFO-20-304     | EPC-20-046               | 1                                                         | Sysco Riverside, Inc.                   | Distributed Resources for Diversified Renewable Energy Project                                              | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                      | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,000,000.00          | \$4,000,000.00             | \$17,934,535.00 | \$298,396                                 | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 6/9/2021              | 7/1/2021             | 3/31/2027          | Active (Open)               |
| GFO-20-309     | EPC-20-047               | 1                                                         | Zira Group Inc (DBA Lightapp)           | Leveraging Artificial Intelligence and Machine Learning to Increase Energy Efficiency in California Dairies | S1.7                  | 1.7 Enable Cost-Effective De-carbonization of California's Industrial Sector                                      | S1.7.2; S1.7.4         | 1.7.2 Develop and Deploy Sensors and Software to Optimize Compressed Air and Other Related Systems to Minimize Energy Losses and Maximize Efficiency; 1.7.4 Large Scale Deployment of Pre-Commercial Technologies with Demonstrated Potential | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,227,648.00          | \$4,227,648.00             | \$1,665,912.00  | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/9/2021              | 7/1/2021             | 3/31/2025          | Ended                       |
| GFO-20-309     | EPC-20-048               | 1                                                         | Gate 5 Energy Partners, Inc             | Demonstration of Advanced Primary and Secondary Wastewater Treatment Technology                             | S6.1                  | 6.1 Reduce the Energy Intensity Required to Supply and Treat Water                                                | S6.1.2                 | 6.1.2 Develop and Demonstrate Tools and Strategies to Help Water and Wastewater Agencies Lower Energy Use, Increase Efficiency and Reduce the Carbon Intensity of its Operations                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,603,779.00          | \$1,603,779.00             | \$332,920.00    | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/9/2021              | 6/30/2021            | 6/30/2025          | Ended                       |
| GFO-20-310     | EPC-21-001               | 1                                                         | GRID Alternatives                       | Enabling California's Resilient Tribal Communities with Mobile Renewable Power                              | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load                                                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,000,000.00          | \$1,000,000.00             | \$200,157.00    | \$51,319                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity, Woman Own                                   | 7/15/2021             | 7/15/2021            | 3/31/2025          | Ended                       |
| GFO-20-310     | EPC-21-002               | 1                                                         | One-Cycle Control, Inc.                 | Demonstration of 15 kW Silicon-Carbide enabled OCC-MORBUGs                                                  | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load                                                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,971,467.00          | \$1,971,467.00             | \$394,901.00    | \$638,792                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/15/2021             | 9/30/2021            | 3/31/2027          | Active (Open)               |
| GFO-20-310     | EPC-21-003               | 1                                                         | Electric Power Research Institute, Inc. | Mobile Hydrogen Fuel Cell Generation System                                                                 | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load                                                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,999,953.00          | \$1,999,953.00             | \$1,003,503.00  | \$349,290                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/15/2021             | 7/16/2021            | 3/31/2028          | Active (Open)               |
| GFO-20-310     | EPC-21-004               | 1                                                         | Uprise Energy, LLC                      | Demonstrating Mobile Renewable Back-up generation with Uprise Energy's Mobile Power Station                 | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load                                                                                                                 | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,589,012.00          | \$1,589,012.00             | \$663,598.00    | \$348,637                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/15/2021             | 8/1/2021             | 3/30/2026          | Active (Open)               |
| GFO-20-304     | EPC-21-006               | 1                                                         | WattEV, Inc.                            | 21st Century Truck Stop: 1st MD/HD eTruckStop in California                                                 | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                      | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$4,000,000.00          | \$4,000,000.00             | \$6,758,594.00  | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/8/2021              | 6/1/2021             | 7/31/2026          | Active (Open)               |
| GFO-20-304     | EPC-21-007               | 1                                                         | eIQ Mobility                            | Building a Scalable and Repeatable School Bus Electrification Business (BuSy Bees)                          | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                                 | S3.2.1                 | 3.2.1 Grid-Friendly PEV Mobility                                                                                                                                                                                                              | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,192,175.00          | \$2,192,175.00             | \$238,121.00    | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 10/13/2021            | 10/22/2021           | 9/30/2026          | Active (Open)               |
| GFO-20-308     | EPC-21-008               | 1                                                         | The Regents of California, San Diego    | Development of Efficient and Scalable Direct Recycling Technology for Lithium-Ion Batteries                 | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                                 | S3.2.2                 | 3.2.2 Battery Second Use                                                                                                                                                                                                                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,684,308.00          | \$1,684,308.00             | \$1,364,060.00  | \$141,867                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 8/11/2021             | 8/30/2021            | 9/30/2025          | Ended                       |
| GFO-20-308     | EPC-21-009               | 1                                                         | OnTo Technology LLC                     | Cathode-Healing for Recycling and Manufacturing of Lithium-ion Batteries                                    | S3.2                  | 3.2 Enable Electronic Vehicle-based Grid Services                                                                 | S3.2.2                 | 3.2.2 Battery Second Use                                                                                                                                                                                                                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,001,807.00          | \$1,001,807.00             | \$972,651.00    | \$282,761                                 | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 8/11/2021             | 8/30/2021            | 3/31/2026          | Active (Open)               |
| GFO-20-306     | EPC-21-010               | 1                                                         | Electric Power Research Institute, Inc. | Electric Truck Research and Utilization Center (eTRUC) for RHETTA                                           | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                      | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                      | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$4,999,155.00          | \$12,999,155.00            | \$6,327,619.00  | \$4,408,794                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/13/2021            | 11/1/2021            | 6/30/2027          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                   | Project Title                                                                                                         | Strategic Objective # | Strategic Objective                                                                                                       | Strategic Initiative # | Strategic Initiative                                                                                                                                                                                                                                                                                                                                    | Investment Plan Program Period                     | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-20-306     | EPC-21-010               | 1                                                         | Electric Power Research Institute, Inc. | Electric Truck Research and Utilization Center (eTRUC) for RHETTA                                                     | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                              | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                                                                                                                                                                                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$8,000,000.00          |                            |                |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/13/2021            | 11/1/2021            | 6/30/2027          | Active (Open)               |
| GFO-20-301     | EPC-21-012               | 1                                                         | Swift Solar Inc.                        | High Efficiency Perovskite Tandems for Solar Electric Vehicles                                                        | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,995,200.00          | \$2,995,200.00             | \$1,760,000.00 | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 1/26/2022             | 1/26/2022            | 8/31/2027          | Active (Open)               |
| GFO-20-301     | EPC-21-013               | 1                                                         | Yotta Energy, Inc.                      | Demonstrating Distributed Solar Plus Storage with Battery Backup Capability for Grid Resilience and Reliability       | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,229,174.00          | \$1,229,174.00             | \$861,650.00   | \$0                                       | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 2/16/2022             | 2/1/2022             | 1/26/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-014               | 1                                                         | Intertie Incorporated                   | Advanced Power Electronics to Enable Fast Charging While Avoiding Grid Upgrades                                       | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,000,000.00          | \$2,000,000.00             | \$1,108,996.00 | \$205,625                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 1/26/2022             | 1/30/2022            | 3/31/2027          | Active (Open)               |
| GFO-20-301     | EPC-21-015               | 1                                                         | GreenFire Energy, Inc.                  | Steam Dominated GreenLoop: Proof of Concept at The Geysers, California                                                | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,705,228.00          | \$2,705,228.00             | \$1,486,008.00 | \$123,584                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 2/16/2022             | 1/26/2022            | 3/31/2027          | Active (Open)               |
| GFO-20-301     | EPC-21-016               | 1                                                         | Icarus RT, Inc.                         | R3A08: Icarus Hybrid Photovoltaic/Thermal Solar Plus Storage Cogeneration System                                      | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$1,087,588.00          | \$1,087,588.00             | \$346,253.00   | \$21,048                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 1/26/2022             | 2/4/2022             | 3/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-017               | 1                                                         | Carnot Compression Inc.                 | R3A05: Carnot Compressor Field Testing                                                                                | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$2,028,350.00          | \$2,028,350.00             | \$510,000.00   | \$183,032                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 1/26/2022             | 1/26/2022            | 3/31/2027          | Active (Open)               |
| GFO-20-310     | EPC-21-018               | 1                                                         | RockeTruck, Inc.                        | Development and Demonstration of a Mobile Fuel Cell Generator (MFCG)                                                  | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events                        | S7.2.1                 | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options                                                                                                                                                                                                                                                               | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$3,000,000.00          | \$3,000,000.00             | \$1,210,567.00 | \$753,877                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 2/16/2022             | 2/16/2022            | 12/31/2027         | Active (Open)               |
| GFO-20-302     | EPC-21-019               | 1                                                         | Porifera, Inc.                          | Manufacturing of Large Format Osmotic Membrane Module                                                                 | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                                                                                                                                                                                                                                                                                | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$2,980,226.00          | \$2,980,226.00             | \$2,100,365.00 | \$772,651                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 3/9/2022              | 4/8/2022             | 3/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-020               | 1                                                         | SPARKZ, Inc.                            | Ultra-High Energy Lithium Metal Battery System Based on Solid Electrolyte and Cobalt Free Cathode                     | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$2,676,670.00          | \$2,676,670.00             | \$1,142,346.00 | \$726,751                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 3/9/2022              | 3/10/2022            | 3/31/2026          | Active (Open)               |
| GFO-20-305     | EPC-21-030               | 1                                                         | Association for Energy Affordability    | Harmonized Resilience at Roosevelt Village: A zero-emissions model for supportive housing                             | S2.4                  | 2.4 Incentivize DER Adoption through Innovative Strategies at the Local Level                                             | S2.4.1                 | 2.4.1 EPIC Challenge                                                                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Market Facilitation                     | \$999,315.00            | \$999,315.00               | \$1,047,802.00 | \$55,286                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/11/2022             | 5/15/2022            | 6/30/2025          | Ended                       |
| GFO-21-301     | EPC-21-033               | 1                                                         | Lawrence Berkeley National Laboratory   | Cooking Energy and Ventilation Impacts on Children's Asthma (CEVICA)                                                  | S7.3                  | 7.3 Evaluate Strategies to Mitigate the Impacts of the Electricity System on the Environment and Public Health and Safety | S7.3.2                 | 7.3.2 Enhance Human Health and Safety Associated with the Electricity Sector                                                                                                                                                                                                                                                                            | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$4,000,000.00          | \$4,000,000.00             | \$409,280.00   | \$717,899                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/11/2022             | 5/30/2022            | 3/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-034               | 1                                                         | Enzinc Inc.                             | A Safe, High-Performance, Rechargeable, Recyclable Zinc-Based Battery for Stationary Energy Storage Applications      | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,807,600.00          | \$1,807,600.00             | \$1,183,308.00 | \$232,521                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/8/2022              | 6/29/2022            | 3/31/2025          | Completed                   |
| GFO-20-301     | EPC-21-035               | 1                                                         | Lookin, Inc.                            | In-Line Quality Control of Lithium-Ion Battery Electrodes through Terahertz Scanning                                  | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Technology Demonstration and Deployment | \$999,947.00            | \$999,947.00               | \$424,857.00   | \$147,659                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/8/2022              | 6/29/2022            | 12/31/2025         | Ended                       |
| GFO-20-301     | EPC-21-036               | 1                                                         | Element 16 Technologies, Inc            | Electrification of Industrial Processes with Sulfur Electric Thermal Storage                                          | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                                      | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                                                                                                                                                                                                                                                    | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$1,000,000.00          | \$1,000,000.00             | \$690,000.00   | \$170,390                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/8/2022              | 7/1/2022             | 6/30/2025          | Ended                       |
| GFO-21-302     | EPC-21-037               | 1                                                         | Eagle Rock Analytics, Inc.              | Climate-Informed Generation Capacity Modeling to Support a Climate Resilient Transition to a Clean Electricity System | S7.2                  | 7.2 Increase the Resiliency of the Electricity System to Climate Change and Extreme Weather Events                        | S7.2.1; S7.2.2; S7.2.3 | 7.2.1 Improved Understanding of Climate- and Weather-Related Risks and Resilience Options; 7.2.2 Clarify Interactions between Renewable Electricity Systems and Climate Change to Ensure an Effective, Resilient Transition to Low-Carbon Energy in California; 7.2.3 Integrate Climate Readiness into Electricity System Operations, Tools, and Models | 2018-2020 EPIC Program Project 3rd Investment Plan | Applied Research and Development        | \$900,000.00            | \$900,000.00               | \$81,001.00    | \$229,460                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Small Business, Micro Business, Calif Based Entity              | 6/8/2022              | 6/15/2022            | 9/30/2026          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                                                             | Strategic Objective # | Strategic Objective                                                                                               | Strategic Initiative # | Strategic Initiative                                                                                                          | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|------------------------------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-21-302     | EPC-21-038               | 1                                                         | Eagle Rock Analytics, Inc.                                                | Climate-Informed Energy Sector Adaptation Planning Web Application via Cal-Adapt                                          | S7.1                  | 7.1 Identify Pathways for Achieving California's Energy and Climate Goals                                         | S7.1.1                 | 7.1.1 Integrated Pathways for Energy Futures: Tools and Science-Based Research for Holistic Energy Decision Making            | 2018-2020 EPIC Program Project 3rd Investment Plan         | Applied Research and Development        | \$750,000.00            | \$750,000.00               | \$67,501.00    | \$167,816                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Small Business, Micro Business, Calif Based Entity              | 6/8/2022              | 6/30/2022            | 7/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-039               | 1                                                         | Solid Energies Inc.                                                       | High Safety, Wide-operation-temperature, Low-cost All Solid-state Li-ion Battery Energy Storage Systems                   | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                              | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                          | 2018-2020 EPIC Program Project 3rd Investment Plan         | Applied Research and Development        | \$3,000,000.00          | \$3,000,000.00             | \$1,810,080.00 | \$173,585                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 6/8/2022              | 7/15/2022            | 3/31/2026          | Active (Open)               |
| GFO-20-301     | EPC-21-040               | 1                                                         | The Candide Group LLC                                                     | Residential Water Bill Reduction with Self-powered Diagnostics & Services                                                 | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry                              | S5.2.1                 | 5.2.1 Bringing Rapid Innovation Development to Green Energy (BRIDGE)                                                          | 2018-2020 EPIC Program Project 3rd Investment Plan         | Technology Demonstration and Deployment | \$1,548,602.00          | \$1,548,602.00             | \$795,311.00   | \$282,333                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 6/8/2022              | 6/30/2022            | 6/30/2027          | Active (Open)               |
| GFO-21-302     | EPC-21-041               | 1                                                         | Energy & Environmental Economics, Inc.                                    | Climate-Informed Load Forecasting & Electric Grid Modeling to Support a Climate Resilient Transition to Zero-Carbon Goals | S7.1                  | 7.1 Identify Pathways for Achieving California's Energy and Climate Goals                                         | S7.1.1                 | 7.1.1 Integrated Pathways for Energy Futures: Tools and Science-Based Research for Holistic Energy Decision Making            | 2018-2020 EPIC Program Project 3rd Investment Plan         | Applied Research and Development        | \$1,950,000.00          | \$1,950,000.00             | \$97,500.00    | \$1,069,682                               | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 6/8/2022              | 6/15/2022            | 3/31/2026          | Active (Open)               |
| GFO-21-302     | EPC-22-001               | 1                                                         | Lumen Energy Strategy, LLC                                                | Advancing California's Electricity Resource Planning Tools to Assess and Improve Climate Resilience                       | S2                    | 2 Resilience and Reliability                                                                                      | S2.6                   | 2.6 R&ampr: Valuation of Investments in Electricity Sector Resilience                                                         | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$1,950,000.00          | \$1,950,000.00             | \$195,000.00   | \$27,500                                  | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity, Minority Owned, Woman Own                   | 7/13/2022             | 7/14/2022            | 3/31/2026          | Active (Open)               |
| GFO-21-303     | EPC-22-002               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | Heavy-Duty Vehicle Electrification and its Potential as a Clean Energy Alternative for Critical Operations                | S1                    | 1 Decarbonization                                                                                                 | S1.7                   | 1.7 Decarb: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$3,000,362.00          | \$3,000,362.00             | \$2,027,631.00 | \$339,391                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 8/10/2022             | 8/30/2022            | 2/1/2027           | Active (Open)               |
| N/A            | EPC-22-003               | 1                                                         | Smartville, Inc.                                                          | Accelerate Development of Smartville Second-Life Battery Repurposing Platform                                             | S2.3                  | 2.3 Define and Improve the Customer's Business Proposition of Integrated Distributed Storage                      | S2.3.1                 | 2.3.1 Development of Customer's Business Proposition to Accelerate Integrated Distributed Storage Market                      | 2018-2020 EPIC Program Project 3rd Investment Plan         | Technology Demonstration and Deployment | \$769,559.00            | \$2,000,000.00             | \$0.00         | \$72,000                                  | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 8/10/2022             | 9/9/2022             | 3/31/2026          | Active (Open)               |
| N/A            | EPC-22-003               | 1                                                         | Smartville, Inc.                                                          | Accelerate Development of Smartville Second-Life Battery Repurposing Platform                                             | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                        | S3.2                   | 3.2 Transportation Electrification                                                                                            | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,230,441.00          |                            |                |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 8/10/2022             | 9/9/2022             | 3/31/2026          | Active (Open)               |
| GFO-21-303     | EPC-22-004               | 1                                                         | Gridtractor, Inc.                                                         | Electric Farm Vehicles as Reliable Grid Assets                                                                            | S1                    | 1 Decarbonization                                                                                                 | S1.7                   | 1.7 Decarb: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,999,567.00          | \$2,999,567.00             | \$1,071,244.00 | \$222,172                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 8/10/2022             | 8/31/2022            | 3/31/2027          | Active (Open)               |
| GFO-21-303     | EPC-22-005               | 1                                                         | Gridscape Solutions, Inc.                                                 | Scalable, Resilient V2B Multi-Vehicle DC Platform (MVP DC) Demonstration at Public Buildings in California                | S1                    | 1 Decarbonization                                                                                                 | S1.7                   | 1.7 Decarb: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$4,000,000.00          | \$4,000,000.00             | \$1,071,162.00 | \$274,978                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 8/10/2022             | 8/15/2022            | 1/31/2026          | Active (Open)               |
| GFO-21-303     | EPC-22-006               | 1                                                         | Center for Transportation and the Environment, Inc.                       | "V2B Oakland"                                                                                                             | S1                    | 1 Decarbonization                                                                                                 | S1.7                   | 1.7 Decarb: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$3,199,969.00          | \$3,199,969.00             | \$368,806.00   | \$477,109                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 9/14/2022             | 9/30/2022            | 6/30/2027          | Active (Open)               |
| GFO-21-303     | EPC-22-007               | 1                                                         | Andromeda Power, LLC                                                      | Integrated Powertrain System - MotorTransformer                                                                           | S2                    | 2 Resilience and Reliability                                                                                      | S2.7                   | 2.7 R&ampr: Vehicle-to-Building for Resilient Back-up Power                                                                   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$3,675,637.00          | \$3,675,637.00             | \$1,066,500.00 | \$1,123,111                               | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 9/14/2022             | 10/14/2022           | 3/31/2027          | Active (Open)               |
| GFO-20-310     | EPC-22-008               | 1                                                         | The Latino Equity Advocacy & Policy Institute, The LEAP Institute         | LEAP MORBUG                                                                                                               | S3.3                  | 3.3 Increase the Value of Distributed Energy Resources and Renewables to the Transmission and Distribution System | S3.3.3                 | 3.3.3 Provide Visibility into Load and DER Responses to Weather and Other Variables and into the Effects of DER on Gross Load | 2018-2020 EPIC Program Project 3rd Investment Plan         | Technology Demonstration and Deployment | \$675,103.00            | \$675,103.00               | \$168,647.00   | \$77,119                                  | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity, Minority Owned                              | 10/12/2022            | 10/14/2022           | 3/31/2026          | Active (Open)               |
| N/A            | EPC-22-009               | 1                                                         | National Offshore Wind Research and Development Consortium                | National Offshore Wind Research and Development Consortium - CEC-NOWRDC Offshore Wind Block Grant Program                 | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                    | S1.2                   | 1.2 Variable Renewable Energy                                                                                                 | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$4,000,000.00          |                            |                |                                           | Grant             | Non-competitive <sup>4</sup>                   | 12/8/2022   | None                                                                 | 3/6/2023              | 3/23/2023            | 9/30/2027          | Active (Open)               |
| N/A            | EPC-22-009               | 1                                                         | National Offshore Wind Research and Development Consortium                | National Offshore Wind Research and Development Consortium - CEC-NOWRDC Offshore Wind Block Grant Program                 | S1                    | 1 Decarbonization                                                                                                 | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                                                 | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$1,000,000.00          | \$5,000,000.00             | \$1,050,656.00 | none                                      | Grant             | Non-competitive <sup>4</sup>                   | 12/8/2022   | None                                                                 | 3/6/2023              | 3/23/2023            | 9/30/2027          | Active (Open)               |
| GFO-21-304     | EPC-22-010               | 1                                                         | Liminal Insights Inc                                                      | Scaling up Production of Ultrasound-based Battery Inspection System                                                       | S3                    | 3 Entrepreneurship                                                                                                | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                                                 | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation                     | \$2,750,000.00          | \$2,750,000.00             | \$2,800,000.00 | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/12/2023             | 4/13/2023            | 12/31/2026         | Active (Open)               |
| GFO-21-304     | EPC-22-011               | 1                                                         | Next Energy Technologies                                                  | Accelerating the Manufacturing of Energy Generating Windows for Zero-Emission Buildings                                   | S3                    | 3 Entrepreneurship                                                                                                | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                                                 | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation                     | \$2,997,395.00          | \$2,997,395.00             | \$2,534,530.00 | \$923,073                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/12/2023             | 5/1/2023             | 3/31/2027          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                             | Project Title                                                                                                                                    | Strategic Objective # | Strategic Objective                                                                  | Strategic Initiative # | Strategic Initiative                                                                             | Investment Plan Program Period                             | Program Area                     | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                   | Leveraging Pilot Scale Innovations                                                                                                               |                       |                                                                                      |                        |                                                                                                  |                                                            |                                  |                         |                            |                |                                           |                   |                          |             |                                                                      |                       |                      |                    |                             |
| GFO-21-304     | EPC-22-012               | 1                                                         | Skyven Technologies, Inc.                                         | Electrification of Industrial Heat with High-Temperature Steam-Generating Heat Pumps                                                             | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                         | 2018-2020 EPIC Program Project 3rd Investment Plan         | Market Facilitation              | \$72,845.00             | \$2,971,730.00             | \$2,975,500.00 | \$339,000                                 | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 4/12/2023             | 5/15/2023            | 3/31/2027          | Active (Open)               |
| GFO-21-304     | EPC-22-012               | 1                                                         | Skyven Technologies, Inc.                                         | Electrification of Industrial Heat with High-Temperature Steam-Generating Heat Pumps                                                             | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$2,898,885.00          |                            |                |                                           | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 4/12/2023             | 5/15/2023            | 3/31/2027          | Active (Open)               |
| GFO-21-304     | EPC-22-013               | 1                                                         | TS Conductor Corp                                                 | FutureWire Manufacturing Facility                                                                                                                | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$3,000,000.00          | \$3,000,000.00             | \$5,409,458.00 | \$272,727                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity, Minority Owned                              | 4/12/2023             | 4/17/2023            | 8/31/2026          | Active (Open)               |
| GFO-21-304     | EPC-22-014               | 1                                                         | American Lithium Energy Corp.                                     | Advanced High Silicone Anode Prismatic Battery Production in California                                                                          | S5.1                  | 5.1 Close the Innovation Gap from Idea to Investment                                 | S5.1.2                 | 5.1.2 Expand Entrepreneurial Services from Innovation Clusters                                   | 2018-2020 EPIC Program Project 3rd Investment Plan         | Market Facilitation              | \$2,927,155.00          | \$2,997,617.00             | \$3,000,227.00 | \$314,567                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/10/2023             | 4/24/2023            | 3/31/2028          | Active (Open)               |
| GFO-21-304     | EPC-22-014               | 1                                                         | American Lithium Energy Corp.                                     | Advanced High Silicone Anode Prismatic Battery Production in California                                                                          | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$70,462.00             |                            |                |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/10/2023             | 4/24/2023            | 3/31/2028          | Active (Open)               |
| GFO-21-304     | EPC-22-015               | 1                                                         | ElectricFish Energy Inc.                                          | Low Rate of Initial Production of a modular EV charger with extreme-fast vehicle charging capability                                             | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$1,690,103.00          | \$1,690,103.00             | \$2,050,000.00 | \$537,630                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 5/10/2023             | 5/10/2023            | 3/31/2028          | Active (Open)               |
| GFO-21-304     | EPC-22-016               | 1                                                         | LiCAP Technologies Inc.                                           | California-made Sustainable and Cost-effective Activated Dry Electrode (CASCADE)                                                                 | S5.2                  | 5.2 Accelerate the Most Promising Energy Technologies from Prototype to Market Entry | S5.2.2                 | 5.2.2 Connect Clean Energy Companies with Local California Manufacturing                         | 2018-2020 EPIC Program Project 3rd Investment Plan         | Market Facilitation              | \$2,791,222.00          | \$2,927,155.00             | \$4,172,105.00 | \$189,187                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/16/2023             | 6/16/2023            | 3/31/2027          | Active (Open)               |
| GFO-21-304     | EPC-22-016               | 1                                                         | LiCAP Technologies Inc.                                           | California-made Sustainable and Cost-effective Activated Dry Electrode (CASCADE)                                                                 | S3                    | 3 Entrepreneurship                                                                   | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation              | \$135,933.00            |                            |                |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 6/16/2023             | 6/16/2023            | 3/31/2027          | Active (Open)               |
| GFO-22-401     | EPC-23-001               | 1                                                         | Integral Consulting Inc.                                          | Integrated, Real-Time, Multi-Scale System for Monitoring Seabird Interactions with Floating Offshore Wind Technologies                           | S1                    | 1 Decarbonization                                                                    | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$3,400,868.00          | \$3,400,868.00             | \$820,070.00   | \$1,200,676                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-401     | EPC-23-002               | 1                                                         | Lawrence Berkeley National Laboratory                             | Integrated Monitoring of Cetacean and Ocean Environmental Impacts from Floating Offshore Wind Development on the Pacific Coast                   | S1                    | 1 Decarbonization                                                                    | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$3,500,000.00          | \$3,500,000.00             | \$609,906.00   | \$980,925                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-402     | EPC-23-003               | 1                                                         | RCAM Technologies                                                 | Low-Cost, Environmentally-Friendly, Concrete Anchors Made In California                                                                          | S1                    | 1 Decarbonization                                                                    | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$3,699,424.00          | \$3,699,424.00             | \$742,000.00   | \$508,577                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-304     | EPC-23-004               | 1                                                         | RAND Corporation                                                  | Assessing the Role of Hydrogen in California's Decarbonizing Electric System                                                                     | S1                    | 1 Decarbonization                                                                    | S1.5                   | 1.5 Decarb: The Role of Green Hydrogen in a Decarbonized California—A Roadmap and Strategic Plan | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$798,348.00            | \$798,348.00               | \$80,000.00    | \$373,759                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 7/31/2025          | Ended                       |
| GFO-22-402     | EPC-23-005               | 1                                                         | University of Maine System acting through the University of Maine | Design, Validation, and Certification of a Synthetic Mooring Line System for a 15+ MW Floating Wind Turbine in the Humboldt Bay Wind Energy Area | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                       | S1.2                   | 1.2 Variable Renewable Energy                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development | \$2,162,676.00          | \$2,162,676.00             | \$240,975.00   | \$690,148                                 | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-401     | EPC-23-006               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                   | Integrated Monitoring Approach to Reduce Entanglement Hazards for Floating Offshore Wind Developments                                            | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                       | S1.2                   | 1.2 Variable Renewable Energy                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development | \$1,226,505.00          |                            |                |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-401     | EPC-23-006               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                   | Integrated Monitoring Approach to Reduce Entanglement Hazards for Floating Offshore Wind Developments                                            | S1                    | 1 Decarbonization                                                                    | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$773,495.00            | \$2,000,000.00             | \$334,568.00   | \$394,342                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-402     | EPC-23-007               | 1                                                         | Triton Anchor LLC                                                 | Advanced Anchoring System for California Floating Offshore Wind                                                                                  | S1                    | 1 Decarbonization                                                                    | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development | \$3,447,131.00          | \$3,447,131.00             | \$2,533,616.00 | \$1,041,600                               | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 8/9/2023              | 8/1/2023             | 3/31/2027          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                                                                                                                                        | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                                                             | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding   | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|-----------------|-------------------------------------------|-------------------|------------------------------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-22-402     | EPC-23-008               | 1                                                         | Alliance for Sustainable Energy, LLC                                      | Comprehensive Shared-Mooring Solutions to Minimize the Cost, Risk, and Footprint of GW-Scale Floating Wind Farms                                                                                     | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.2                   | 1.2 Variable Renewable Energy                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,006,555.00          |                            |                 |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | None                                                                 | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-402     | EPC-23-008               | 1                                                         | Alliance for Sustainable Energy, LLC                                      | Comprehensive Shared-Mooring Solutions to Minimize the Cost, Risk, and Footprint of GW-Scale Floating Wind Farms                                                                                     | S1                    | 1 Decarbonization                                                                                                                   | S1.8                   | 1.8 Decarb: Offshore Wind Energy Technologies                                                    | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$553,445.00            | \$2,560,000.00             | \$314,442.00    | \$970,362                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | None                                                                 | 7/26/2023             | 8/1/2023             | 3/31/2027          | Active (Open)               |
| GFO-22-304     | EPC-23-009               | 1                                                         | Energy and Environmental Economics Inc. (E3)                              | Techno-economic Assessment of Hydrogen as a Decarbonization Measure for California's Electric System                                                                                                 | S1                    | 1 Decarbonization                                                                                                                   | S1.5                   | 1.5 Decarb: The Role of Green Hydrogen in a Decarbonized California—A Roadmap and Strategic Plan | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$798,805.00            | \$798,805.00               | \$102,400.00    | \$314,027                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 7/26/2023             | 8/15/2023            | 12/15/2025         | Ended                       |
| N/A            | EPC-23-010               | 1                                                         | Antora Energy, Inc.                                                       | Manufacturability of Low-Cost InGaAs Thermophotovoltaic Devices                                                                                                                                      | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$2,999,695.00          | \$2,999,695.00             | \$1,547,445.00  | none                                      | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 8/9/2023              | 8/23/2023            | 7/31/2026          | Active (Open)               |
| GFO-22-301     | EPC-23-011               | 1                                                         | Porifera, Inc.                                                            | Low-Energy, High Recovery Treatment of Pulp and Paper Wastewater                                                                                                                                     | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$4,998,521.00          | \$4,998,521.00             | \$5,048,662.00  | \$999,704                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 9/13/2023             | 8/16/2023            | 3/31/2028          | Active (Open)               |
| GFO-22-301     | EPC-23-012               | 1                                                         | Element 16 Technologies, Inc                                              | Demonstration of Sulfur Electric Thermal Storage for Industrial Electrification and Decarbonization                                                                                                  | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,000,000.00          | \$3,000,000.00             | \$661,000.00    | \$635,580                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 9/13/2023             | 9/30/2023            | 3/31/2028          | Active (Open)               |
| GFO-22-301     | EPC-23-013               | 1                                                         | Caliskaner Water Technologies, Inc.                                       | Demonstration of Advanced Sludge Separation Treatment Technologies for Decarbonization of Wastewater Treatment Plants                                                                                | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$7,190,593.00          | \$7,190,593.00             | \$1,968,829.00  | \$1,097,651                               | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 9/13/2023             | 9/30/2023            | 3/31/2028          | Active (Open)               |
| GFO-22-301     | EPC-23-014               | 1                                                         | Capture6 Corp                                                             | Project Monarch                                                                                                                                                                                      | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$8,153,623.00          | \$8,153,623.00             | \$1,692,742.00  | \$91,418                                  | Grant             | Competitive <sup>3</sup>                       | N/A         | None                                                                 | 9/13/2023             | 9/14/2023            | 3/31/2028          | Active (Open)               |
| GFO-22-301     | EPC-23-015               | 1                                                         | Twelve Benefit Corporation                                                | Long Duration CO2 Storage via CO2-derived Cement Additives                                                                                                                                           | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.2                   | 4.2 Industrial Decarbonization                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,792,088.00          | \$2,792,088.00             | \$2,975,970.00  | \$0                                       | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 10/18/2023            | 11/1/2023            | 3/31/2028          | Active (Open)               |
| GFO-21-901     | EPC-23-016               | 1                                                         | Smartville, Inc.                                                          | Low-Cost and Scalable Second Use Battery Demonstration in Central California for Equitable United States Based Manufacturing and Job Growth                                                          | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,499,995.00          | \$1,499,995.00             | \$10,519,485.00 | \$271,990                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 10/18/2023            | 11/15/2023           | 11/16/2026         | Active (Open)               |
| GFO-22-305     | EPC-23-018               | 1                                                         | Institute of Gas Technology dba GTI Energy                                | Energy-efficient and Grid-interactive Zero Carbon Manufactured Homes                                                                                                                                 | S1                    | 1 Decarbonization                                                                                                                   | S1.1                   | 1.1 Decarb: Advanced Prefabricated Zero-Carbon Homes                                             | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,946,660.00          | \$2,946,660.00             | \$150,000.00    | \$950,780                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 11/8/2023             | 12/25/2023           | 4/28/2028          | Active (Open)               |
| GFO-22-305     | EPC-23-019               | 1                                                         | Lawrence Berkeley National Laboratory                                     | UPscaling Grid-friendly, Resilient, Affordable, and Efficient modular housing                                                                                                                        | S1                    | 1 Decarbonization                                                                                                                   | S1.1                   | 1.1 Decarb: Advanced Prefabricated Zero-Carbon Homes                                             | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$2,379,823.00  | \$1,503,323                               | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 11/8/2023             | 12/25/2023           | 4/28/2028          | Active (Open)               |
| GFO-22-305     | EPC-23-020               | 1                                                         | ReMo Homes                                                                | ReMo Habitats                                                                                                                                                                                        | S1                    | 1 Decarbonization                                                                                                                   | S1.1                   | 1.1 Decarb: Advanced Prefabricated Zero-Carbon Homes                                             | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,967,608.00          | \$2,967,608.00             | \$958,200.00    | \$255,360                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Minority Owned                                                  | 11/8/2023             | 11/15/2023           | 4/28/2028          | Active (Open)               |
| GFO-22-306     | EPC-23-021               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | The California Environmental Flows Framework: A Holistic Functional Flows Approach to Instream Flow Determinations for the FERC Hydropower Relicensing Process                                       | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                                                 | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$494,711.00            | \$494,711.00               | \$27,029.00     | \$76,580                                  | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 1/24/2024             | 3/15/2024            | 3/15/2027          | Active (Open)               |
| GFO-22-306     | EPC-23-022               | 1                                                         | The Regents of the University of California, Merced                       | Balancing Ecological and Energy Needs in California's Water Resources through FlowPywr: A Decision Support System for Integrating Hydropower Operations and Environmental Flows under Climate Change | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                                                 | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$500,000.00            | \$500,000.00               | \$50,000.00     | \$26,087                                  | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 1/24/2024             | 2/24/2024            | 2/25/2028          | Active (Open)               |
| GFO-21-901     | EPC-23-023               | 1                                                         | The Regents of the University of California, San Diego Foundation         | Purification and Regeneration Integrated Materials Engineering ("PRIME") Process for Direct Recycling and Upcycling of Lithium Cathode Materials                                                     | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,200,000.00          | \$1,200,000.00             | \$11,300,000.00 | \$188,222                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 3/13/2024             | 4/15/2024            | 9/30/2026          | Active (Open)               |
| N/A            | EPC-23-024               | 1                                                         | Eagle Rock Analytics, Inc.                                                | Cal-Adapt: Analytics Engine - Scaling up to Enhance Digital Platform, Accelerate Production                                                                                                          | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                                                           | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,500,000.00          | \$3,500,000.00             | \$1,723,000.00  | \$470,588                                 | Grant             | Non-competitive                                | N/A         | Yes; Small Business, Micro                                           | 3/13/2024             | 5/1/2024             | 3/31/2028          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                                        | Project Title                                                                                                                  | Strategic Objective # | Strategic Objective                                                                             | Strategic Initiative # | Strategic Initiative                                                                                                           | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                 | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|--------------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                                              | of Data Products, & Expand User Base                                                                                           |                       |                                                                                                 |                        |                                                                                                                                |                                                            |                                         |                         |                            |                |                                           |                   | Follow-on Funding <sup>5</sup> |             | Business, Calif Based Entity                                         |                       |                      |                    |                             |
| GFO-20-305p3   | EPC-23-025               | 1                                                         | Mutual Housing California                                                                    | Mutual Housing at Fairview Terrace                                                                                             | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$9,000,000.00          | \$9,000,000.00             | \$0.00         | \$2,914,712                               | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 3/13/2024             | 4/1/2024             | 6/30/2028          | Active (Open)               |
| GFO-20-305p3   | EPC-23-026               | 1                                                         | Electric Power Research Institute, Inc.                                                      | Minimal Unidirectional Zero-Net Energy Community through a Stand-by Grid Connection                                            | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$8,000,000.00          | \$8,000,000.00             | \$702,644.00   | \$1,447,300                               | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 3/13/2024             | 4/30/2024            | 5/31/2028          | Active (Open)               |
| GFO-22-307     | EPC-23-027               | 1                                                         | RedoxBlox Inc.                                                                               | Thermochemical Energy Storage for Disadvantaged Communities                                                                    | S2                    | 2 Resilience and Reliability                                                                    | S2.4                   | 2.4 R&amp;R: Optimizing Long-Duration Energy Storage to Improve Grid Resiliency and Reliability in Under-resourced Communities | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$8,936,778.00          | \$8,936,778.00             | \$3,605,486.00 | \$333,589                                 | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 6/12/2024             | 6/26/2024            | 9/30/2028          | Active (Open)               |
| GFO-22-308     | EPC-23-028               | 1                                                         | Electric Power Research Institute, Inc.                                                      | Natural refrigerants based High Performance Heat Pump System for Commercial Applications                                       | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,000,000.00          | \$2,000,000.00             | \$560,000.00   | \$577,301                                 | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 5/8/2024              | 5/29/2024            | 5/30/2028          | Active (Open)               |
| GFO-22-308     | EPC-23-030               | 1                                                         | Calion Technologies                                                                          | Ionocaloric Heat Pumps for Zero-GWP Heating                                                                                    | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,500,000.00          | \$1,500,000.00             | \$750,000.00   | \$0                                       | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 5/8/2024              | 6/10/2024            | 9/30/2026          | Active (Open)               |
| GFO-22-308     | EPC-23-031               | 1                                                         | Prospect Silicon Valley                                                                      | Advanced R744 Heat Pump for simultaneous heating and cooling with advanced energy optimization and defrost strategies.         | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,998,949.00          | \$1,998,949.00             | \$600,620.00   | \$190,442                                 | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 5/8/2024              | 6/3/2024             | 3/31/2028          | Active (Open)               |
| GFO-22-308     | EPC-23-032               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus                 | Decarbonizing large commercial buildings through heat recovery                                                                 | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$5,999,540.00          | \$5,999,540.00             | \$2,441,850.00 | \$1,594,174                               | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 5/8/2024              | 6/3/2024             | 6/30/2029          | Active (Open)               |
| GFO-22-308     | EPC-23-033               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus                 | Mainstreaming Personal Comfort Devices: Enabling Modular Personal Controls for a Wide Range of Energy and Comfort Applications | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,991,640.00          | \$1,991,640.00             | \$915,852.00   | \$661,818                                 | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 5/8/2024              | 6/3/2024             | 3/31/2029          | Active (Open)               |
| GFO-22-308     | EPC-23-034               | 1                                                         | Lawrence Berkeley National Laboratory                                                        | Market-leading Adoption of Scalable Low GWP Refrigerant Heat Pump in a Retrofit Application                                    | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$5,899,990.00          | \$5,899,990.00             | \$1,200,000.00 | \$1,460,434                               | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 5/8/2024              | 6/3/2024             | 3/31/2028          | Active (Open)               |
| GFO-20-305p3   | EPC-23-035               | 1                                                         | National Community Renaissance                                                               | Zero Emission Affordable Housing Design: Palm City Transit Village                                                             | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                                                               | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$8,000,000.00          | \$8,000,000.00             | \$552,010.00   | none                                      | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 5/8/2024              | 6/12/2024            | 3/31/2027          | Active (Open)               |
| GFO-22-307     | EPC-23-036               | 1                                                         | Noon Energy Inc.                                                                             | Scale-up of Ultra Low Cost Long-Duration Battery for Fully Reliable Renewable Power                                            | S2                    | 2 Resilience and Reliability                                                                    | S2.4                   | 2.4 R&amp;R: Optimizing Long-Duration Energy Storage to Improve Grid Resiliency and Reliability in Under-resourced Communities | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$8,760,557.00          | \$8,760,557.00             | \$4,978,027.00 | \$303,866                                 | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 6/12/2024             | 6/26/2024            | 6/30/2028          | Active (Open)               |
| GFO-22-307     | EPC-23-037               | 1                                                         | Barona Group of Capitan Grande Band of Mission Indians of the Barona Reservation, California | Barona Community LDES Project                                                                                                  | S2                    | 2 Resilience and Reliability                                                                    | S2.4                   | 2.4 R&amp;R: Optimizing Long-Duration Energy Storage to Improve Grid Resiliency and Reliability in Under-resourced Communities | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$9,000,000.00          | \$9,000,000.00             | \$4,105,418.00 | \$41,391                                  | Grant             | Competitive <sup>3</sup>       | N/A         | None                                                                 | 6/12/2024             | 6/26/2024            | 6/30/2028          | Active (Open)               |
| GFO-21-304R2   | EPC-24-001               | 1                                                         | Swift Solar Inc.                                                                             | Scaling Solar Cell to Module Conversion for High Efficiency Perovskite Tandems                                                 | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$2,999,880.00          | \$2,999,880.00             | \$4,046,000.00 | none                                      | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-002               | 1                                                         | Stasis Energy Group LLC                                                                      | Accelerating production of commercial HVAC supply-duct thermal storage system                                                  | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$1,878,583.00          | \$1,878,583.00             | \$1,188,688.00 | none                                      | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 7/10/2024             | 7/10/2024            | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-003               | 1                                                         | Rincell Corporation                                                                          | Accelerating the Manufacturing Capacity of High Capacity, Long Life Silicon-Based Lithium Batteries in California              | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$2,999,528.00          | \$2,999,528.00             | \$3,683,201.00 | \$372,966                                 | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-004               | 1                                                         | Sonocharge Energy, Inc.                                                                      | Pilot Production of High-Performance Lithium-Ion Battery Packs                                                                 | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,000,000.00          | \$3,000,000.00             | \$6,000,000.00 | \$539,072                                 | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-23-303     | EPC-24-005               | 1                                                         | Build It Green                                                                               | A Decision Tool to Electrify Homes with Limited Electrical Panel Capacity                                                      | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$4,775,000.00          | \$4,775,000.00             | \$2,515,848.00 | \$1,543,131                               | Grant             | Competitive <sup>3</sup>       | N/A         | Yes; Calif Based Entity                                              | 7/10/2024             | 8/1/2024             | 1/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-006               | 1                                                         | Harvest Thermal, Inc.                                                                        | Manufacturing Scale-Up for Combined Heating and Hot                                                                            | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                                                    | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,658,385.00          | \$1,658,385.00             | \$1,492,586.00 | \$297,797                                 | Grant             | Competitive <sup>3</sup>       | N/A         | None                                                                 | 7/10/2024             | 8/13/2024            | 3/31/2029          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                             | Project Title                                                                                                                                                    | Strategic Objective # | Strategic Objective                                                                             | Strategic Initiative # | Strategic Initiative                                                                          | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding   | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|-----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
|                |                          |                                                           |                                                                   | Water Thermal Battery System                                                                                                                                     |                       |                                                                                                 |                        |                                                                                               |                                                            |                                         |                         |                            |                 |                                           |                   |                          |             |                                                                      |                       |                      |                    |                             |
| GFO-21-304R2   | EPC-24-007               | 1                                                         | Sylvatex, Inc.                                                    | Innovative Manufacturing Process Enabling California-based Cathode Actives with Breakthrough Leading Economics (IMPECCABLE)                                      | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,690,861.00          | \$2,290,685.00             | \$4,131,424.00  | \$81,750                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity, Woman Own                                   | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-007               | 1                                                         | Sylvatex, Inc.                                                    | Innovative Manufacturing Process Enabling California-based Cathode Actives with Breakthrough Leading Economics (IMPECCABLE)                                      | S3                    | 3 Entrepreneurship                                                                              | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                 | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation                     | \$599,824.00            |                            |                 |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity, Woman Own                                   | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-008               | 1                                                         | BoxPower Inc.                                                     | Elevating Microgrid Production to Optimize Widespread Energy Resilience (E.M.P.O.W.E.R)                                                                          | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                             | S5.1                   | 5.1 Entrepreneurial Support                                                                   | 2021-2025 EPIC Program 4th Investment Plan                 | Market Facilitation                     | \$2,988,031.00          | \$2,988,031.00             | \$2,992,809.00  | \$178,753                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Micro Business, Calif Based Entity                              | 7/10/2024             | 8/1/2024             | 3/31/2029          | Active (Open)               |
| GFO-21-304R2   | EPC-24-009               | 1                                                         | Current Ways, Inc.                                                | Accelerating the Low-rate Initial Production Of CWUBIC, Current Ways' Next Generation Bidirectional OBC                                                          | S3                    | 3 Entrepreneurship                                                                              | S3.1                   | 3.1 Entrepreneurial Ecosystem                                                                 | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Market Facilitation                     | \$2,191,398.00          | \$2,191,398.00             | \$3,280,945.00  | \$283,581                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 7/10/2024             | 7/30/2024            | 3/31/2029          | Active (Open)               |
| GFO-21-901     | EPC-24-011               | 1                                                         | The Regents of the University of California, San Diego Foundation | Optimized Commercial Control Technology Of Plug-loads & Lighting (OCCTOPI)                                                                                       | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.1                   | 4.1 Building Decarbonization                                                                  | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$75,000.00             | \$75,000.00                | \$546,967.00    | \$15,000                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 8/14/2024             | 9/2/2024             | 3/31/2026          | Active (Open)               |
| GFO-23-301     | EPC-24-012               | 1                                                         | The Regents of the University of California, Santa Barbara        | Harnessing the Potential of AI in Industrial Refrigeration Systems                                                                                               | S1                    | 1 Decarbonization                                                                               |                        | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,420,982.00          | \$2,420,982.00             | \$1,945,777.00  | \$413,032                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 8/14/2024             | 8/15/2024            | 3/31/2027          | Active (Open)               |
| GFO-23-301     | EPC-24-013               | 1                                                         | Electric Power Research Institute, Inc.                           | IndFlex                                                                                                                                                          | S1                    | 1 Decarbonization                                                                               |                        | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,165,928.00          | \$2,165,928.00             | \$438,222.00    | \$445,978                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 8/14/2024             | 8/26/2024            | 3/31/2027          | Active (Open)               |
| GFO-23-301     | EPC-24-014               | 1                                                         | Nelumbo Inc.                                                      | Demonstration & Deployment of Nelumbo's Ice-Nein Evaporator Coating                                                                                              | S1                    | 1 Decarbonization                                                                               |                        | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage   | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,910,550.00          | \$2,910,550.00             | \$670,000.00    | \$560,000                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 8/14/2024             | 8/1/2024             | 3/31/2027          | Active (Open)               |
| GFO-23-301     | EPC-24-015               | 1                                                         | Prospect Silicon Valley                                           | Dynamic, Grid-Flexible Cold Storage Refrigeration Featuring Advanced CO2 Heat Pump, Thermal Storage, and Defrost Controls                                        | S1                    | 1 Decarbonization                                                                               | S1.2;                  | 1.2 Decarb: Energy Efficiency and Demand Response in Industrial and Commercial Cold Storage ; | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$1,800,000.00          | \$1,800,000.00             | \$462,238       | \$170,166                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 8/14/2024             | 8/1/2024             | 3/31/2027          | Active (Open)               |
| GFO-23-302     | EPC-24-016               | 1                                                         | NeWorld Energy                                                    | Energy Quarterback Development and Demonstration Project                                                                                                         | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                              | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,000,000.00          | \$2,000,000.00             | \$725,203.00    | \$336,499                                 | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 9/11/2024             | 10/14/2024           | 3/31/2027          | Active (Open)               |
| GFO-23-302     | EPC-24-017               | 1                                                         | Prospect Silicon Valley                                           | Enhancing Building Resilience and Affordability through Distributed Smart Home Panels with Portable Batteries: Packaged Solutions for Electrification Challenges | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                              | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,712,504.00          | \$1,712,504.00             | \$680,800.00    | \$535,103                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/11/2024             | 10/1/2024            | 3/31/2027          | Active (Open)               |
| GFO-23-302     | EPC-24-018               | 1                                                         | Zimeno, Inc.                                                      | Monarch Electrical Load Distribution (MELD)                                                                                                                      | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility                              | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,999,992.00          | \$1,999,992.00             | \$736,810.00    | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/11/2024             | 10/1/2024            | 3/31/2027          | Active (Open)               |
| GFO-22-301r2   | EPC-24-019               | 1                                                         | Caliskaner Water Technologies, Inc.                               | Demonstration of Cost and Energy Efficient Novel Separation Technologies for Decarbonization of Water Reclamation Systems                                        | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.2                   | 4.2 Industrial Decarbonization                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$4,492,887.00          | \$4,492,887.00             | \$1,841,832.00  | \$740,447                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/3/2024             | 11/18/2024           | 3/31/2029          | Active (Open)               |
| GFO-22-301r2   | EPC-24-020               | 1                                                         | C-Crete Technologies                                              | Scale-up Manufacturing of Next-Generation Cementitious Binders Using Non-Carbonate Rocks                                                                         | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.2                   | 4.2 Industrial Decarbonization                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$8,500,000.00          | \$8,500,000.00             | \$3,400,000.00  | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/3/2024             | 11/1/2024            | 3/31/2029          | Active (Open)               |
| GFO-22-301r2   | EPC-24-021               | 1                                                         | Heirloom Carbon Technologies, Inc.                                | Demonstration of a Pre-Commercial, Electrified Thermal Reactor with Integrated Lime Hydration for use in Direct Air Capture                                      | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies | S4.2                   | 4.2 Industrial Decarbonization                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$6,364,788.00          | \$6,364,788.00             | \$10,923,135.00 | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 3/17/2025             | 12/1/2025            | 3/30/2029          | Pending Final Approval      |
| GFO-23-306     | EPC-24-022               | 1                                                         | NeoCharge Incorporated                                            | NeoCharge Home: Enabling Equitable EV Adoption through Dynamic Load Management                                                                                   | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.2                   | 3.2 Transportation Electrification                                                            | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,650,024.00          | \$1,650,024.00             | \$552,095.00    | \$117,665                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 11/13/2024            | 12/2/2024            | 12/31/2027         | Active (Open)               |
| GFO-23-306     | EPC-24-023               | 1                                                         | Weave Grid, Inc.                                                  | Residential EV Deferred Distribution Upgrade Project (REVDDUP)                                                                                                   | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid      | S3.2                   | 3.2 Transportation Electrification                                                            | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,455,187.00          | \$2,455,187.00             | \$825,000.00    | \$353,087                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 12/11/2024            | 12/2/2024            | 12/31/2027         | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                        | Project Title                                                                                                                                        | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                             | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-23-306     | EPC-24-024               | 1                                                         | Intertie Incorporated                                                        | Deployment and Demonstration of a Novel DC-Coupled Fast Charging Technology with Low Grid Impact in the Central Valley                               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,120,879.00          | \$2,120,879.00             | \$1,055,385.00 | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 11/13/2024            | 11/18/2024           | 12/31/2027         | Active (Open)               |
| GFO-23-306     | EPC-24-025               | 1                                                         | RockeTruck, Inc.                                                             | Electric Vehicle Direct-Current Hub (EVDCH)                                                                                                          | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$4,000,000.00          | \$4,000,000.00             | \$1,078,021.00 | \$1,755,190                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 11/13/2024            | 12/2/2024            | 12/31/2027         | Active (Open)               |
| GFO-23-306     | EPC-24-026               | 1                                                         | GoPowerEV Inc.                                                               | Transformer-Level Automated Load Management for EV Charging in Multi Unit Dwellings                                                                  | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,448,792.00          | \$2,448,792.00             | \$578,920.00   | \$575,672                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 11/13/2024            | 12/2/2024            | 12/31/2027         | Active (Open)               |
| GFO-23-311     | EPC-24-027               | 1                                                         | The Regents of the University of California on behalf of the Davis campus    | Evaluation and Optimization of Orographic Cloud Seeding to Enhance Precipitation in California                                                       | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                           | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$2,489,703.00          | \$2,489,703.00             | \$125,013.00   | \$655,947                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 11/13/2024            | 12/2/2024            | 6/30/2027          | Active (Open)               |
| GFO-23-304     | EPC-24-028               | 1                                                         | DNV GL USA, Inc.                                                             | Integrated Smart Brine Management Approach to Reduce Geothermal Plant Operating Costs and Improve Mineral Recovery                                   | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.1                   | 1.1 Non-Variable Renewable Energy                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$2,460,222.00          | \$2,460,222.00             | \$368,634.00   | \$1,029,312                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 12/11/2024            | 1/1/2025             | 10/8/2027          | Active (Open)               |
| GFO-23-306     | EPC-24-029               | 1                                                         | Bidirectional Energy                                                         | Grid Supportive Bidirectional V2X Residential EV VPP                                                                                                 | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,172,061.00          | \$2,172,061.00             | \$1,524,881.00 | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Minority Owned, Woman Own                                       | 12/11/2024            | 1/1/2025             | 1/31/2028          | Active (Open)               |
| GFO-23-309     | EPC-24-030               | 1                                                         | Electric Power Research Institute, Inc.                                      | SUPPLIES – Scaling Up Virtual Power Plants through Interoperable Energy Management Systems in K-12 Schools                                           | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,000,000.00          | \$2,000,000.00             | \$660,000.00   | \$501,374                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 2/12/2025             | 2/24/2025            | 3/29/2030          | Active (Open)               |
| GFO-23-306     | EPC-24-031               | 1                                                         | The Regents of the University of California, San Diego Foundation            | Green Construct Charge (GCC): Grid-Supportive Mobile Charging Stations for the Electrification and Decarbonization of Construction Electric Vehicles | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,820,083.00          | \$2,820,083.00             | \$510,071.00   | \$461,927                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 1/21/2025             | 3/1/2025             | 2/29/2028          | Active (Open)               |
| GFO-23-306     | EPC-24-032               | 1                                                         | IXP, LLC                                                                     | Mobile EV Charging Site (MEVCS): An innovative opportunity charging solution for PEV load shifting and challenging duty cycles                       | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$3,999,317.00          | \$3,999,317.00             | \$550,001.00   | \$272,360                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity, Minority Owned                              | 1/21/2025             | 2/3/2025             | 12/31/2027         | Active (Open)               |
| GFO-23-308     | EPC-24-033               | 1                                                         | Lincus, Incorporated                                                         | DC Nanogrid for Non-Residential HVAC Application                                                                                                     | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                     | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,758,800.00          | \$1,758,800.00             | \$844,037.00   | \$386,839                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Woman Own                                                       | 1/21/2025             | 2/21/2025            | 3/30/2029          | Active (Open)               |
| GFO-23-309     | EPC-24-034               | 1                                                         | The Regents of the University of California on behalf of the Davis campus    | Powering Yolo Forward: A Collaborative VPP Project for Demand Flexibility & Community Engagement                                                     | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$1,006,559.00 | \$1,218,590                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 2/12/2025             | 2/24/2025            | 3/29/2030          | Active (Open)               |
| GFO-23-309     | EPC-24-035               | 1                                                         | The Regents of the University of California on behalf of its Berkeley campus | Super-GX: Scale Grid-responsive Supervisory Control for Multiple Commercial Buildings and EV Charging                                                | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,999,999.00          | \$1,999,999.00             | \$1,650,000.00 | \$751,799                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 2/12/2025             | 3/3/2025             | 3/30/2029          | Active (Open)               |
| GFO-23-308     | EPC-24-036               | 1                                                         | Enersion Inc.                                                                | 0 GWP Cooling and Heating by Compressor-less DC HVAC Nanogrid Module                                                                                 | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                     | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,017,250.00          | \$1,017,250.00             | \$362,000.00   | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 2/12/2025             | 1/21/2025            | 5/31/2028          | Active (Open)               |
| GFO-23-308     | EPC-24-038               | 1                                                         | Intertie Incorporated                                                        | Deployment and Demonstration of a Novel DC-Coupled HVAC Technology in the Central Valley                                                             | S4                    | 4 Improve the Customer Value Proposition of End-Use Efficiency and Electrification Technologies                                     | S4.1                   | 4.1 Building Decarbonization                                     | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,400,900.00          | \$1,400,900.00             | \$650,948.00   |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 2/12/2025             | 3/3/2025             | 12/29/2028         | Active (Open)               |
| GFO-23-309     | EPC-24-039               | 1                                                         | Sonoma Clean Power Authority                                                 | Expansion of a Virtual Power Plant using Automated Devices in Low-Income and Disadvantaged Communities                                               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$4,995,640.00          | \$4,995,640.00             | \$1,091,000.00 | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 2/12/2025             | 4/1/2025             | 3/30/2029          | Active (Open)               |
| GFO-23-309     | EPC-24-040               | 1                                                         | Marin Clean Energy dba MCE                                                   | MCE's Virtual Power Plant: Valuing People Power (VPP 2X) project                                                                                     | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$5,000,000.00 | \$356,364                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 3/17/2025             | 4/1/2025             | 3/30/2029          | Active (Open)               |
| GFO-23-309     | EPC-24-041               | 1                                                         | Lawrence Berkeley National Laboratory                                        | OBC-FLEX: Enabling Interoperable Demand Flexibility in Commercial Buildings                                                                          | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,999,917.00          | \$1,999,917.00             | \$710,000.00   | \$567,694                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 2/12/2025             | 4/1/2025             | 3/30/2029          | Active (Open)               |
| GFO-23-310     | EPC-24-042               | 1                                                         | County of Ventura                                                            | Tri-County Benefits of Electrification for Air Quality, Comfort, and Health (3C-BEACH)                                                               | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$2,999,458.00          | \$2,999,458.00             | \$270,000.00   | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 3/17/2025             | 4/14/2025            | 3/30/2029          | Active (Open)               |
| GFO-23-304     | EPC-24-043               | 1                                                         | Materials Research LLC                                                       | Geothermal Brine Pretreatment and Metal Recovery                                                                                                     | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.1                   | 1.1 Non-Variable Renewable Energy                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$3,683,950.00          | \$3,683,950.00             | \$752,212.00   | \$313,558                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity, Minority Owned                              | 3/17/2025             | 4/1/2025             | 4/1/2029           | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                     | Project Title                                                                                                                                                                           | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                             | Investment Plan Program Period             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method                                 | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|------------------------------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-23-304     | EPC-24-044               | 1                                                         | Barr Engineering Co.                                                      | Preventing Scaling and Corrosion in Geothermal Facilities with Novel Lubricant-Infused Barrier Coating                                                                                  | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.1                   | 1.1 Non-Variable Renewable Energy                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$3,252,000.00          | \$3,252,000.00             | \$1,077,000.00 | \$1,272,085                               | Grant             | Competitive <sup>3</sup>                       | N/A         | None                                                                 | 5/8/2025              | 5/15/2025            | 11/1/2029          | Active (Open)               |
| GFO-23-316     | EPC-24-045               | 1                                                         | Build Momentum (d.b.a. Momentum)                                          | Industrial FlexHub: Advancing Demand Load Flexible Technologies in Industrial, Agriculture, and Water                                                                                   | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$17,000,000.00         | \$17,000,000.00            | \$5,241,093.00 |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Small Business, Micro Business, Calif Based Entity              | 4/10/2025             | 5/12/2025            | 3/31/2031          | Active (Open)               |
| GFO-23-306     | EPC-24-046               | 1                                                         | Current Trucking LLC                                                      | Valley Charging Center for Flexible Transport Electrification                                                                                                                           | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$2,500,000.00          | \$2,500,000.00             | \$2,374,503.00 | \$194,929                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/10/2025             | 5/1/2025             | 12/31/2027         | Pending Final Approval      |
| GFO-21-304R2   | EPC-24-047               | 1                                                         | UNIGRID Inc.                                                              | Advanced Sodium-ion Battery Production in California                                                                                                                                    | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan | Market Facilitation                     | \$2,991,945.00          | \$2,991,945.00             | \$2,983,181.00 |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Small Business, Calif Based Entity                              | 4/10/2025             | 4/16/2025            | 3/31/2030          | Active (Open)               |
| GFO-23-304     | EPC-24-048               | 1                                                         | Power Environmental Energy Research Institute                             | High-Efficiency Mineral Recovery System with Reduced Waste Output                                                                                                                       | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.1                   | 1.1 Non-Variable Renewable Energy                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$4,428,021.00          | \$4,428,021.00             | \$1,481,395.00 | \$704,663                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity, Minority Owned                              | 4/10/2025             | 5/1/2025             | 12/31/2028         | Active (Open)               |
| GFO-21-901r8   | EPC-24-049               | 1                                                         | ReJoule Incorporated                                                      | Communities Accessing Resilient Energy Storage (CARES)                                                                                                                                  | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$1,158,129.00          | \$1,158,129.00             | \$5,582,866.00 | none                                      | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 4/10/2025             | 4/10/2025            | 7/1/2031           | Active (Open)               |
| GFO-20-305p3   | EPC-24-051               | 1                                                         | Northern California Land Trust, Inc.                                      | Woolsey Gardens                                                                                                                                                                         | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan | Market Facilitation                     | \$8,000,000.00          | \$8,000,000.00             | \$8,000,000.00 | \$182,745                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 5/8/2025              | 5/16/2025            | 5/31/2029          | Active (Open)               |
| N/A            | EPC-24-053               | 1                                                         | Cal Poly Humboldt Sponsored Programs Foundation                           | Blue Lake Rancheria Nested Community Microgrids                                                                                                                                         | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$5,000,000.00          | \$5,000,000.00             | \$1,000,000.00 |                                           | Grant             | Non-competitive Follow-on Funding <sup>5</sup> | N/A         | Yes; Calif Based Entity                                              | 6/11/2025             | 7/16/2025            | 3/29/2030          | Active (Open)               |
| GFO-23-315     | EPC-25-001               | 1                                                         | Silicon Valley Clean Water                                                | Biogas Microgrid for Clean Dispatchable Electricity for Linear Generators                                                                                                               | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$4,000,000.00          | \$4,000,000.00             | \$3,337,687.00 | \$209,195                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 7/10/2025             | 5/12/2025            | 5/1/2028           | Active (Open)               |
| GFO-24-301     | EPC-25-002               | 1                                                         | Lawrence Berkeley National Laboratory                                     | Testing Bird-Friendly Windows for Decarbonized Buildings                                                                                                                                | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$600,000.00            | \$600,000.00               | \$22,000.00    |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 7/10/2025             | 8/14/2025            | 12/14/2028         | Active (Open)               |
| GFO-24-301     | EPC-25-003               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | Stacking Ecological and Technological Benefits at Large, Ground-Mounted Photovoltaic Solar Parks: Enhancing Soil Carbon Sequestration, Biodiversity, and Photovoltaic Panel Performance | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$599,812.00            | \$599,812.00               | \$142,500.00   |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 7/10/2025             | 8/14/2025            | 12/14/2028         | Active (Open)               |
| GFO-24-301     | EPC-25-004               | 1                                                         | The Regents of the University of California, Merced                       | Environmental cost-benefit valuation of solar-over-water deployment in California                                                                                                       | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$589,265.00            | \$589,265.00               | \$0.00         |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 7/10/2025             | 8/13/2025            | 12/13/2028         | Active (Open)               |
| GFO-24-301     | EPC-25-005               | 1                                                         | The Regents of the University of California on behalf of the Davis campus | BALANCE: Biologically Appropriate Lighting Aligning Nature Conservation and Energy Efficiency                                                                                           | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$498,601.00            | \$498,601.00               | \$191,029.00   |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 7/10/2025             | 8/14/2025            | 12/14/2028         | Active (Open)               |
| GFO-24-301     | EPC-25-006               | 1                                                         | Mohave Ground Squirrel Conservation Council                               | Adaptively Managed Translocation and Propagation of Mohave Ground Squirrels                                                                                                             | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.2                   | 6.2 Environmental Sustainability                                 | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$600,000.00            | \$600,000.00               | \$220,000.00   |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 7/10/2025             | 8/14/2025            | 12/14/2028         | Active (Open)               |
| GFO-23-317     | EPC-25-007               | 1                                                         | Enzinc Inc.                                                               | Advanced Zn electrode to enable rechargeable alkaline zinc batteries for a more resilient grid                                                                                          | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$1,619,248.00          | \$1,619,248.00             | \$523,766.00   | \$187,680                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 8/13/2025             | 9/1/2025             | 12/22/2028         | Active (Open)               |
| GFO-23-317     | EPC-25-008               | 1                                                         | DarmokTech                                                                | Next-Generation Solid State Sodium Polymer Batteries for Stationary Storage Applications with a Recyclable Design                                                                       | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$2,000,000.00          | \$2,000,000.00             | \$1,650,000.00 | \$573,435                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 8/13/2025             | 9/1/2025             | 8/30/2028          | Active (Open)               |
| GFO-23-317     | EPC-25-009               | 1                                                         | Renewell Energy Inc                                                       | Rigs to Renewables: Demonstrated Application of Networked, Gravity-based Multi-Duration Energy Storage in Idle Oil and Gas Wells                                                        | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$5,004,537.00          | \$5,004,537.00             | \$2,508,823.00 | none                                      | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 8/13/2025             | 9/1/2025             | 12/31/2029         | Active (Open)               |
| GFO-23-317     | EPC-25-010               | 1                                                         | Long Hill Energy Partners, LLC                                            | Storage Technology and New Energy Resiliency Demonstration (STANDERD)                                                                                                                   | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan | Technology Demonstration and Deployment | \$9,995,463.00          | \$9,995,463.00             | \$6,483,638.00 | \$608,827                                 | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 8/13/2025             | 9/15/2025            | 12/31/2029         | Pending Final Approval      |
| GFO-24-304     | EPC-25-011               | 1                                                         | Electrochemistry Foundry, Inc.                                            | The Electrochemistry Foundry: California Battery Innovation Hub                                                                                                                         | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.2                   | 5.2 Scaling Clean Energy Technology                              | 2021-2025 EPIC Program 4th Investment Plan | Market Facilitation                     | \$28,000,000.00         | \$28,000,000.00            | \$7,039,215.00 | \$9,227,465                               | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              |                       | 10/7/2025            | 3/31/2029          | Active (Open)               |
| GFO-24-302     | EPC-25-012               | 1                                                         | Rivian Automotive, LLC                                                    | Low-Cost Interoperable AC Bidirectional Charging Solution                                                                                                                               | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan | Applied Research and Development        | \$944,780.00            |                            |                |                                           | Grant             | Competitive <sup>3</sup>                       | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 3/31/2029          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup> | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                         | Project Title                                                                                                                                | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                             | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-24-302     | EPC-25-012               | 1                                                         | Rivian Automotive, LLC                                                        | Low-Cost Interoperable AC Bidirectional Charging Solution                                                                                    | S2                    | 2 Resilience and Reliability                                                                                                        | S2.7                   | 2.7 R&D: Vehicle-to-Building for Resilient Back-up Power         | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Applied Research and Development        | \$1,200,000.00          | \$2,144,780.00             | \$528,160.00   | \$279,754                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 3/31/2029          | Active (Open)               |
| GFO-24-302     | EPC-25-013               | 1                                                         | Lucid Group, Inc.                                                             | Next gen LEAP (Lucid Electric Advanced Platform)-V2X                                                                                         | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,699,520.00          | \$2,699,520.00             | \$864,570.00   | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 9/15/2025            | 3/31/2029          | Active (Open)               |
| GFO-24-302     | EPC-25-014               | 1                                                         | NeoCharge Incorporated                                                        | Fully Unified EV Submetering & Intelligent Optimization Nexus (FUSION)                                                                       | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,598,747.00          | \$1,598,747.00             | \$353,753.00   |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 9/15/2025            | 3/31/2029          | Active (Open)               |
| GFO-24-302     | EPC-25-015               | 1                                                         | San Diego Community Power                                                     | Charging Harmonization and Analysis for Resilient, Grid-Efficient Utilization and Planning (CHARGE UP)                                       | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$693,611.00            | \$693,611.00               | \$0.00         | \$350,902                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 8/31/2027          | Active (Open)               |
| GFO-24-302     | EPC-25-016               | 1                                                         | The Regents of the University of California on behalf of the Davis campus     | Demonstrating Electric Vehicle Sub-Metering Solutions (DEVS)                                                                                 | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,188,796.00          | \$2,188,796.00             | \$270,856.00   | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 6/30/2028          | Active (Open)               |
| GFO-24-302     | EPC-25-017               | 1                                                         | Electric Power Research Institute, Inc.                                       | Assessing VGI in California: Techno-Economic Merit and Implementation Strategies                                                             | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$800,000.00            | \$800,000.00               | \$0.00         | \$301,119                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 6/30/2027          | Active (Open)               |
| GFO-23-317     | EPC-25-018               | 1                                                         | Inlyte Energy, Inc.                                                           | Iron and Sodium Next Generation Battery for Long Duration Energy Storage                                                                     | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,783,874.00          | \$1,783,874.00             | \$539,960.00   | \$162,170                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 12/31/2028         | Active (Open)               |
| GFO-24-302     | EPC-25-019               | 1                                                         | It's Electric Incorporated                                                    | Urban Resilience with Curbside Bidirectional Electric Vehicle Charging                                                                       | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,004,198.00          | \$1,004,198.00             | \$483,275.00   | \$402,067                                 | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 9/10/2025             | 10/1/2025            | 10/4/2028          | Active (Open)               |
| GFO-24-302     | EPC-25-020               | 1                                                         | Nuvve Holding Corp.                                                           | Bidirectional Residential Integration for Dispatchable Grid Energy (BRIDGE)                                                                  | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$2,834,090.00          | \$2,834,090.00             | \$1,495,363.00 | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 10/1/2025            | 4/30/2028          | Active (Open)               |
| GFO-24-302     | EPC-25-021               | 1                                                         | The Regents of the University of California on behalf of the Riverside campus | V2X Cost Reduction in Electric Trucks                                                                                                        | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.2                   | 3.2 Transportation Electrification                               | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,500,000.00          | \$1,500,000.00             | \$939,762.00   | \$230,073                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 9/10/2025             | 9/15/2025            | 3/28/2028          | Active (Open)               |
| GFO-23-318     | EPC-25-022               | 1                                                         | Tandem PV, Inc.                                                               | Establishing Technical Bankability of Perovskite/Silicon Tandem Panels through Comprehensive Durability Testing                              | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,975,954.00          | \$3,975,954.00             | \$3,230,660.00 | \$50,000                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 10/1/2025            | 3/31/2030          | Active (Open)               |
| GFO-23-318     | EPC-25-023               | 1                                                         | Community Energy Labs, Inc.                                                   | Smart Control Automation and Learning for Energy (SCALE)                                                                                     | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,662,421.00          | \$1,662,421.00             | \$1,900,773.00 | \$383,636                                 | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 10/8/2025             | 10/8/2025            | 3/31/2030          | Active (Open)               |
| GFO-24-306     | EPC-25-024               | 1                                                         | Lawrence Livermore National Security, LLC                                     | Rapid AI Predictions for Informed Decisions of Fire Spread (RAPID-FIRE)                                                                      | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                           | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$800,000.00            | \$800,000.00               | \$0.00         |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 10/30/2025           | 3/30/2029          | Pending Final Approval      |
| GFO-24-306     | EPC-25-025               | 1                                                         | Spatial Informatics Group, LLC                                                | Science Integration and Enhancement of PyreCast: An Open-source Near-Term Wildfire Modeling and Forecasting Platform                         | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                           | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$1,000,000.00          | \$1,000,000.00             | \$582,057.00   | \$60,000                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Micro Business, Calif Based Entity                              | 10/8/2025             | 10/30/2025           | 3/30/2029          | Pending Final Approval      |
| GFO-23-318     | EPC-25-026               | 1                                                         | Verne Inc.                                                                    | Bringing Rapid Innovation to Distributed Green Energy with Cryo-Compressed Hydrogen                                                          | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,998,616.00          | \$3,998,616.00             | \$1,987,695.00 | \$1,191,915                               | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 11/21/2025           | 2/10/2030          | Pending Final Approval      |
| GFO-23-309     | EPC-25-027               | 1                                                         | Lawrence Berkeley National Laboratory                                         | California Campus Load Flexibility: CC-FLEX                                                                                                  | S3                    | 3 Increase the Value Proposition of Distributed Energy Resources to Customers and the Grid                                          | S3.1                   | 3.1 Distributed Energy Resource Integration and Load Flexibility | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,121,313.00          | \$3,121,313.00             | \$799,124.00   | \$408,668                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 10/22/2025           | 2/28/2030          | Active (Open)               |
| GFO-23-318     | EPC-25-028               | 1                                                         | Tyfast Energy Corp.                                                           | High Performance Battery Packs Using Domestic Materials for Compact Off-Highway Machines                                                     | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$1,959,011.00          | \$1,959,011.00             | \$545,299.00   | \$615,833                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 10/29/2025           | 8/31/2028          | Active (Open)               |
| GFO-23-318     | EPC-25-029               | 1                                                         | Indian Energy LLC                                                             | Resilient Decarbonized Microgrids Through Optimal Control of Distributed Energy Resources and Loads                                          | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,789,986.00          | \$3,789,986.00             | \$443,000.00   | \$716,742                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 10/31/2025           | 8/31/2028          | Active (Open)               |
| GFO-23-318     | EPC-25-030               | 1                                                         | SirenOpt Inc.                                                                 | Cold Atmospheric Plasma-Based Inspection & Real-Time Process Control of Electrode Materials to Enable High-Performance Battery Manufacturing | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                      | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,395,317.00          | \$2,395,317.00             | \$815,713.00   | \$594,336                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 10/8/2025            | 3/31/2030          | Active (Open)               |

| Solicitation # | Agreement # <sup>1</sup>   | Number of Projects with Strategic Initiative <sup>2</sup> | Recipient/ Contractor                                                            | Project Title                                                                                                                                     | Strategic Objective # | Strategic Objective                                                                                                                 | Strategic Initiative # | Strategic Initiative                                                                                                       | Investment Plan Program Period                             | Program Area                            | Investment Plan Funding | Total EPIC Project Funding | Match Funding  | Project Administrative and Overhead Costs | Funding Mechanism | Funding Method           | JLBC Action | CA-Based Entity (CBE), Diversity and Equity Information <sup>6</sup> | Business Meeting Date | Agreement Start Date | Agreement End Date | Project Status <sup>7</sup> |
|----------------|----------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|----------------------------|----------------|-------------------------------------------|-------------------|--------------------------|-------------|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|-----------------------------|
| GFO-23-318     | EPC-25-031                 | 1                                                         | The SolarAPP Foundation                                                          | SolarAPP+ Expansion: Integrating Solar and Storage Virtual Inspections and Automating Residential EV Charger Permitting and Plan Review           | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,999,937.00          | \$3,999,937.00             | \$1,000,000.00 | \$463,035                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 10/27/2025           | 3/31/2030          | Active (Open)               |
| GFO-24-306     | EPC-25-032                 | 1                                                         | The Regents of the University of California, on behalf of the Los Angeles campus | Wildfire Planning Tool for Bidirectional Long-Term Risk Quantification and Management                                                             | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                                                                                     | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$800,000.00            | \$800,000.00               | \$142,503.00   | \$88,116                                  | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 11/5/2025            | 3/31/2029          | Active (Open)               |
| GFO-23-318     | EPC-25-033                 | 1                                                         | Coreshell Technologies, Incorporated                                             | Advanced metallurgical Silicon and LMFP lithium-ion batteries that deliver low cost, high range, and superior safety with 100% domestic materials | S5                    | 5 Enable Successful Clean Energy Entrepreneurship Across California                                                                 | S5.1                   | 5.1 Entrepreneurial Support                                                                                                | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$3,995,673.00          | \$3,995,673.00             | \$5,003,148.00 | none                                      | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 10/8/2025             | 10/25/2025           | 5/31/2028          | Active (Open)               |
| GFO-24-306     | EPC-25-034                 | 1                                                         | Eagle Rock Analytics, Inc.                                                       | Cal-Adapt: Data Explorer - Supporting California's Ambitious Energy Transformation                                                                | S6                    | 6 Inform California's Transition to an Equitable, Zero-Carbon Energy System That Is Climate Resilient and Meets Environmental Goals | S6.1                   | 6.1 Climate Resiliency                                                                                                     | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,800,000.00          | \$2,800,000.00             | \$986,624.00   | \$222,727                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Small Business, Micro Business, Calif Based Entity              | 10/8/2025             | 11/3/2025            | 3/30/2029          | Active (Open)               |
| GFO-24-307     | EPC-25-035                 | 1                                                         | Alliance for Sustainable Energy, LLC                                             | A Reference Floating HVDC Substation Design for California                                                                                        | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.2                   | 1.2 Variable Renewable Energy                                                                                              | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,249,955.00          | \$3,249,955.00             | \$1,782,378.00 | \$1,828,482                               | Grant             | Competitive <sup>3</sup> | N/A         | None                                                                 | 11/12/2025            | 10/31/2025           | 3/31/2029          | Pending Final Approval      |
| GFO-23-317     | EPC-25-036                 | 1                                                         | Gridscope Solutions, Inc.                                                        | Innovative Hybrid Battery Energy Storage Solution for Value Stacked Grid Services                                                                 | S2                    | 2 Create a More Nimble Grid to Maintain Reliability as California Transitions to 100 Percent Clean Energy                           | S2.1                   | 2.1 Clean, Dispatchable Resources                                                                                          | 2021-2025 EPIC Program 4th Investment Plan                 | Technology Demonstration and Deployment | \$7,494,488.00          | \$10,000,000.00            | \$4,056,000.00 | \$555,220                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 11/12/2025            | 12/1/2025            | 12/31/2029         | Active (Open)               |
| GFO-23-317     | EPC-25-036                 | 1                                                         | Gridscope Solutions, Inc.                                                        | Innovative Hybrid Battery Energy Storage Solution for Value Stacked Grid Services                                                                 | S2                    | 2 Resilience and Reliability                                                                                                        | S2.4                   | 2.4 R&R: Optimizing Long-Duration Energy Storage to Improve Grid Resiliency and Reliability in Under-resourced Communities | 2021-2025 EPIC Program Project 4th Interim Investment Plan | Technology Demonstration and Deployment | \$2,505,512.00          |                            |                |                                           | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 11/12/2025            | 12/1/2025            | 12/31/2029         | Active (Open)               |
| GFO-24-307     | EPC-25-037                 | 1                                                         | Integral Consulting Inc.                                                         | Development of an autonomous detection and mitigation framework for entanglements around offshore wind farms                                      | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.2                   | 1.2 Variable Renewable Energy                                                                                              | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$3,000,000.00          | \$3,000,000.00             | \$1,210,395.00 | \$450,292                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 11/12/2025            | 11/28/2025           | 12/31/2029         | Active (Open)               |
| GFO-24-307     | EPC-25-038                 | 1                                                         | Sofar Ocean Technologies, Inc.                                                   | SEA-Scan: Structural and Environmental Algorithms for Sensing of Offshore Systems                                                                 | S1                    | 1 Accelerate Advancements in Renewable Generation Technologies                                                                      | S1.2                   | 1.2 Variable Renewable Energy                                                                                              | 2021-2025 EPIC Program 4th Investment Plan                 | Applied Research and Development        | \$2,993,427.00          | \$2,993,427.00             | \$749,895.00   | \$952,878                                 | Grant             | Competitive <sup>3</sup> | N/A         | Yes; Calif Based Entity                                              | 11/12/2025            | 12/1/2025            | 12/1/2029          | Pending Final Approval      |
|                | Total Number of Agreements | Total Number of Projects by Strategic Initiative          | Total EPIC Project Funding                                                       | Total Match Funding                                                                                                                               |                       |                                                                                                                                     |                        |                                                                                                                            |                                                            |                                         |                         |                            |                |                                           |                   |                          |             |                                                                      |                       |                      |                    |                             |
|                | 268                        | 303                                                       | \$981,787,078.00                                                                 | \$552,302,104.00                                                                                                                                  |                       |                                                                                                                                     |                        |                                                                                                                            |                                                            |                                         |                         |                            |                |                                           |                   |                          |             |                                                                      |                       |                      |                    |                             |

1 Agreement Number may be repeated if it includes funding from multiple investment plans/program areas and/or strategic objectives/initiatives. Agreement Number will be counted only once.

2 Number of Projects with Strategic Initiative represents the number of projects funded pursuant to a certain strategic objective and initiative under an investment plan. Several agreements are funded under multiple strategic objectives, initiatives, and investment plans.

3 Competitive bid projects are awarded EPIC funds to passing proposals in scoring rank order.

4 For EPIC project awards made through interagency agreement or sole source method, Joint Legislative Budget Committee (JLBC) authorization is automatic 60 days following notification.

5 EPIC projects awarded follow-on funding are exempt from the sole source process. The CEC may award, through a non-competitive method, follow-on funding for projects that meet all of the requirements per SB 115 and California Public Resources Code Section 25711.5. SB 127 extends authority to January 1, 2028.

6 Identification of project award recipients/contractors who are a CBE, Small Business, Micro Business, Woman-Owned Business, Minority-Owned Business, or Disabled Veteran Business Enterprise.

7 Project Status:

Active (Open): Executed agreement end date is open as of 2025.

Ended: Executed agreement end date expired as of 2025.

Completed: Executed agreement end date expired and closing activities completed as of 2025.

Pending Final Approval: Agreement was approved at a CEC business meeting but had yet to receive final approval (was not executed) as of 2025.