



Enhancing Behind-the-Meter PV and Storage Adoption Modeling in California—Request For Proposals (RFP)

March 5, 2026



Housekeeping

- Request for proposal webpage:
<https://www.energy.ca.gov/solicitations/2026-02/rfp-25-802-enhancing-behind-meter-pv-and-storage-adoption-modeling-california>
- Virtual participation through Zoom
 - Workshop recording will be posted to webpage
- Raise hand or Q&A feature
- Telephone participants dial *9 to raise your hand
- Written questions to Commission Agreement Officer:
 - Diana Grady, diana.grady@energy.ca.gov
 - Subject: RFP-25-802 Pre-bid conference
 - Deadline: March 5, 2026, 5:00 PM



Background

Behind-the-Meter (BTM) Distributed Generation (DG) Adoption Forecasting

- Critical component of the Energy Commission's Integrated Energy Policy Report Energy Demand Forecast
- Use California-adapted version of National Laboratory of the Rockies' Distributed Generation Market Demand Model (dGen) to forecast BTM DG adoption
- dGen utilizes a techno-economical and consumer decision framework to forecast consumer adoption of BTM solar photovoltaics (PV) and energy storage



RFP Purpose

The Energy Commission seeks a contractor to assist in the following activities:

- Refining customer representation within dGen
- Assessing and adjusting dGen market dynamics
- Enabling choice modeling for leased vs. customer-owned systems
- Refining dGen technology cost inputs
- Predicting storage attachment rates



RFP Timeline

ACTIVITY	ACTION DATE
RFP Release	February 19, 2026
Deadline for Written Questions by 5:00 pm	March 5, 2026
Pre-Bid Conference	March 5, 2026
Distribute Questions/Answers and Addenda (if any) to RFP	March 13, 2026
Deadline to Submit Proposals by 11:59 p.m.	March 27, 2026
Notice of Proposed Award	April 10, 2026
Commission Business Meeting	June 22, 2026
Contract Start Date	July 1, 2026
Contract Termination Date	June 30, 2028



RFP Elements

- Submission
 - Proposal Format, Required Documents, and Delivery
 - Starts on page 18
- Proposal Evaluation - 2 steps
 - 1) Administrative and completeness screening
 - 2) Technical and cost evaluation of proposals
- Task 1 – Contract Administration
 - Includes invoicing, subcontractor management, progress reports, development of work authorizations, and final report



Scope of Work



dGen Agent Refinement

- **Task 2**
- **Goal:** Enhance the dGen model's representation of California electricity customers by creating new agent files and updating all associated reference data tables
 - Agent files distinguish the consumer population by characteristics such as energy usage, income, and rate schedule
- **Contractor tasks:**
 - Develop new dGen agent files using Interval Meter Data (IMD), interconnection data, and supplemental demographic data
 - Devise method to represent customers in utility areas where CEC does not collect IMD
 - Develop modular, well-documented code to automate future dGen agent updates



dGen Market Dynamics Assessment and Adjustment

- **Task 3**
- **Goal: Investigate dGen adoption framework**
 - Evaluate whether bass diffusion and max market share parameters should be updated or replaced
- **Contractor tasks:**
 - Determine data requirements to complete assessment of bass diffusion and max market share parameters
 - Provide recommendation to:
 - Update bass diffusion and max market share parameters OR
 - Implement new adoption framework



Enable Choice Modeling for Leased vs. Customer-Owned Systems

- **Task 4**
- Goal: Enable choice modeling in dGen to forecast adoption of third-party owned (TPO) solar and storage systems
- Contractor task:
 - Develop Python module with choice modeling to forecast TPO adoption



Technology Cost Refinements

- **Task 5**
- Goal: Develop improved PV and storage cost inputs for the dGen model
- Contractor tasks:
 - Evaluate most applicable way to stratify cost inputs for model
 - Revise dGen modules for compatibility



Predicting Storage Attachments Rates

- **Task 6**
- Goal: Improve dGen model's ability to predict storage attachment rates
- Contractor tasks:
 - Meet with CEC staff to discuss target range for storage attachment rates
 - Adjust dGen model to align predicted attachment rates with target range (if necessary)



Administrative Topics



Evaluation Criteria

- The Maximum Points Available under this RFP are 100
- Minimum Passing Score is 70



Scoring Scale

- Technical Approach - 25 Points
- Team Qualifications, Capabilities, and Resources - 25 Points
- Previous Work Products - 10 Points
- Specific Team Qualifications: PV and Storage Forecasting - 5 Points
- Specific Team Qualifications: Data Analysis and Modeling - 5 Points
- Total Expected Labor Cost - 30 Points



Submitting Proposals

- Proposal format, required documents, and delivery
 - See Section III (page 18) of this RFP (RFP-25-802)
- The method of delivery for this solicitation is the Energy Commission Grant Solicitation System
 - Link: <https://gss.energy.ca.gov/>
 - Applicants submit electronic documents prior to the date and time specified in this solicitation
- **Deadline to Submit Proposals: 11:59 p.m. (PDT) on March 27, 2026**



Grounds to Reject a Proposal

- Grounds to reject a proposal
 - See pages 40-41 of Solicitation Manual



Confidential Information

- No confidential information should be submitted
 - See page 37 of Solicitation Manual



Disabled Veteran Business Enterprise

- Participation is required
 - Subject to a mandatory certified Disabled Veteran Business Enterprise (DVBE) participation of at least 3% of the total contract
- Participation above 3% of contract will merit DVBE incentive points, added to sum of non-cost points during scoring phase
- Additional information found on pages 27-31 in Solicitation Manual



Small Business/Microbusiness

- Bidders who qualify as State of California-certified small business will receive 5% preference points
 - To qualify, bidders must submit
 - Copy of Small Business Certification
 - Contractor Status Form
 - Small Business Preference Claim
- See pages 32-34 in Solicitation Manual for more information



Submitting Questions

- During the RFP process, clarifying questions about this RFP must be directed to Commission Agreement Officer
 - Diana Grady, diana.grady@energy.ca.gov
- You may submit written questions via mail or electronic mail
 - **All questions must be received by 5:00 pm on March 5, 2026**
- The questions and answers will be posted on the [CEC Solicitations Webpage of the Commission's website](#)
- Any verbal communication with a Commission employee concerning this RFP is not binding on the State and shall in no way alter a specification, term, or condition of the RFP. Therefore, all communication should be directed in writing to Diana Grady, Commission Agreement Officer



Questions?