Complete the following Project Narrative for Reliable, Equitable, and Accessible Charging for Multi-family Housing 3.0 (REACH 3.0). Reference the REACH 3.0 Solicitation Manual Section III.D.2 for Narrative Details and Section IV.E for Evaluation Criteria. Limit responses to each of the criteria to 1,500 characters (including spaces).

|  |  |
| --- | --- |
| Organization Information |  |
| Full Legal Name of Organization |  |
| Federal ID Number |  |
| Street Address |  |
| Street Address Line 2 |  |
| City |  |
| State |  |
| Zip Code |  |

|  |  |
| --- | --- |
| Contact Information |  |
| First Name |  |
| Last Name |  |
| Title |  |
| Email |  |
| Phone |  |

|  |
| --- |
| Project Details |
| Title of Proposed Project: |
| For the Project Details section below, complete the table with information on the proposed project. Add rows to the table if there are not enough rows to input all site addresses. Listed here are instructions for each column:   * **Site Address** – List the address of the proposed site. Use “TBD” if the site has yet to be determined. * **Charger Location** – Select if the project will install EV chargers “At-home” or “Near-home” (refer to Section II.B.1). Use “TBD” if the site has yet to be determined. * **Priority Area** – Check all applicable priority areas: disadvantaged communities (DAC), low-income communities (LIC), affordable housing (AH), and Federally-recognized California Native American Tribes and California Tribal Organizations serving Federally-recognized California Native American Tribes (Tribal).   + For sites that are “TBD”, the CEC suggests the Applicant not select a priority area. The Applicant can select a priority area if they are committed to their site being located within that priority area. * **Units Served** – Provide the number of multi-family housing (MFH) units that the charging stations will serve. * **Level 2 Ports per Site** – Provide the number of Level 2 charging ports the proposed project will install at the site. * **Level 2 kW per Site** – Provide the cumulative total kW output of the chargers to be installed at the site. * **Approximate CEC Funds per Site** – Estimate the funding requested from the CEC at the site. * **Approximate Match Funds per Site** – Estimate the match share funding at the site. |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Site Address** | **Charger Location** | **Priority Area  (Select all that apply)** | **Units Served** | **Level 2 Ports per Site** | **Level 2 kW Output per Site** | **Approximate CEC Funds per Site** | **Approximate Match Funds per Site** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
|  | Select one | DAC  LIC  Tribal  AH |  |  | kW | **$** | **$** |
| **Totals (All Sites)** | At-home      Near-home      TBD | DAC     LIC      Tribal     AH |  |  | kW | **$** | **$** |

|  |
| --- |
| Images (optional) |
| Applicants may include 1-2 images to provide additional context for the proposed project. Examples of images that can be included are project sites on a map and their relativity to priority areas, site design plans, photos of chargers that will be deployed, etc. To insert images, click on the “Insert Image” box below and select “From a File.” Describe the image in the text box below. Limit this section to 2 pages. |
| **Shape** |
| **Shape** |
| Project Implementation 20 points |
| Clearly describe the project including the number of residential units to be served, the project area, the targeted type and number of MFH properties being served (size and age of buildings, location of parking, urban/suburban/rural settings), if EV charging deployment will be at-home or near-home (if near-home provide address(es) of the MFH complex(es) being served and distance from complex(es)), and number, type, and capacity of chargers. |
|  |
| Describe the business and technology model of EV charger deployment to serve MFH residents that the project will demonstrate and test. Include details of how the business and technology model for EV charger deployment will be cost effective for MFH property owners and residents, and how cost effectiveness will be measured in this regard. |
|  |
| Clearly describe how many charging ports and the types of chargers that will be installed (120 ports or greater). Clearly describe how many MFH units (360 or greater) the chargers will serve and include all calculations and assumptions used to determine the number of units served. |
|  |
| Explain how the demonstrated business and technology model of EV charger deployment for MFH residents will be replicable or may be further expanded. |
|  |

|  |
| --- |
| **Team Experience and Qualifications 15 points** |
| List the partner organizations and describe their roles in this project. |
|  |
| Describe the qualifications, experience, capabilities, and credentials of the key team members on completing similar or comparable EV charger projects. |
|  |

|  |
| --- |
| Describe the collaborations with local planning agencies, community-based organizations, utilities, site hosts, MFH residents, or other stakeholders that the project team will employ in the project to ensure success. |
|  |
| Describe team members’ past experience in establishing site control, obtaining equipment and materials, performing community outreach, and deploying resources to expedite project completion. |
|  |

|  |
| --- |
| Provide any additional information related to the Past Performance Reference forms, if desired (Attachment 12). |
|  |

|  |
| --- |
| Priority Population kW Weighted Average 5 points |
| For the table below, input the cumulative total charger kW output you are proposing in the corresponding priority area types. Reference the Project Details section to complete. Listed here are instructions for this table:   * **kW Output** – For each priority area type, input the cumulative amount of kW output by all chargers installed in that corresponding priority area. * **kW Total** – Input the sum of kW Outputs for all priority areas. * **Weighted kW Output** – For each priority area type, input the kW Output multiplied by the Category Point for that corresponding priority area. * **Weighted kW Total** – Input the sum of the Weighted kW Outputs for all priority areas. * **Priority Population Weighted kW Average Score** – Divide the Weighted kW Total by the kW Total. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Priority Area** | **Category Point** | **kW Output** | **Weighted kW Output**  (Category Point x  kW Output) |
| **DAC & LIC** OR **Tribal & LIC/DAC** | **10** | kW | kW |
| **DAC-Only** OR **LIC-Only** OR **Tribal-Only** | **8** | kW | kW |
| **AH** | **6** | kW | kW |
| **Non-DAC/LIC/Tribal/AH** | **4** | kW | kW |
|  |  | **kW Total** | **Weighted kW Total** |

**Priority Population Weighted kW Average Score  
*(Weighted kW Total / kW Total)* =**

|  |
| --- |
| Project Location and Benefits 20 points |
| Describe how the project will install chargers that are conveniently accessible and easy for MFH residents to use (e.g., always available, or easy to reserve; minimal need to move a vehicle for charging). If proposing near-home chargers, explain how chargers will serve or be dedicated to residents of specific, identified MFHs, and how their access will be ensured. |
|  |
| Describe the project plan to meet or exceed the requirement that 50 percent of charging ports be installed within disadvantaged communities or low-income communities as defined in this solicitation. Include how the project will identify, measure, and maximize project benefits to these communities. If proposing to serve residents in disadvantaged communities, low-income communities, and/or affordable housing in at least 90 percent of the project, specify the percentage and the types of communities to be served. |
|  |
| Describe how the proposed project will serve residents of affordable housing. Affordable housing is defined for the purposes of this solicitation as having rent or mortgage payment that is no more than 30 percent of the monthly household income for a “Low Income” Household per the [California Department of Housing and Community Development](https://www.hcd.ca.gov/sites/default/files/docs/grants-and-funding/income-limits-2024.pdf) (https://www.hcd.ca.gov/sites/default/files/docs/grants-and-funding/income-limits-2024.pdf). In general, most low-income limits represent the higher level of: (1) 80 percent of median family income (MFI) or, (2) 80 percent of state non-metropolitan median family income. |
|  |
| Estimate the greenhouse gas (GHG) emissions in terms of grams of CO2 equivalent that will be avoided if the project is implemented. Provide all assumptions. Calculate the benefit-cost score, defined as the ratio of grams of CO2 equivalent reduction per dollar of CEC investment for the proposed project term and six years of operation. Please note that if awarded, Recipients will be expected to utilize a specific quantification methodology being developed by the California Air Resources Board. The methodology will be provided by the CAM, if awarded. |
|  |
| Describe how the cost to charge will be determined and who will incur those costs during the term of the project and after, and any methods that will be used to keep charging costs low and reasonable for MFH residents. Include all assumptions and calculations. |
|  |
| Provide a detailed description of the engagement and outreach strategies the project team will use to identify MFH and offsite site hosts and to increase EV adoption and EV charger use by the MFH residents. |
|  |

|  |
| --- |
| Describe tenant protections for participating rental properties. Such protections may include but would not be limited to requiring the consent of tenants impacted by the work, tenant education provided by community-based organizations, protections against short-term and long-term displacement, and/or limits on increases in rent after the upgrade. |
|  |
| Describe the payment mechanisms available on project chargers and how these payment options are appropriate for the targeted MFH residents. |
|  |

|  |
| --- |
| Project Readiness 15 points |
| Provide estimated project milestone dates, reference the dates provided in the Schedule of Products (Attachment 4). |
| Anticipated CEC Project Start Date: |
| Obtain Match Funds: |
| Execute Subawards: |
| Obtain Required Permits: |
| Complete Engineering and Design: |
| Procure Equipment: |
| Complete Construction and Installation: |
| Site Energization and Commissioning: |
| Operational Start Date: |
| Anticipated CEC Project End Date: |
| Describe the project’s schedule for completion of main tasks and how the project can achieve expedited delivery. Provide details and how timelines will be expedited for the following: permitting, equipment procurement, and utility coordination and energization. |
|  |

|  |
| --- |
| Describe the state of project readiness. For example, explain if site availability and control is established for any properties. Describe any preliminary site analysis and design and the level of completion. If specific MFHs are not yet identified, explain the methodology and plan for identifying and selecting the appropriate sites for EV charger installation. |
|  |
| Summarize and describe all support, commitments, or interest obtained from site hosts, residents, project partners, utilities, and interested stakeholders. Support letters should be attached separately, per Section III.D.8. |
|  |

|  |
| --- |
| Describe the risks, barriers, and limitations to successful project completion, and provide specific steps the project team will use to address and mitigate them, as well as how success will be measured. |
|  |

|  |  |
| --- | --- |
| Cost Effectiveness | 10 points |
| Total Number of Charging Ports |  |
| Total Charger Output | kW |
| Amount of Funds Requested | $ |
| Match Funding | $ |
| Total Project Cost  *(Amount of Funds Requested + Match Funding)* | $ |
| Match Funding Percentage  *(Match Funding / Total Project Cost)* | % |
| Cost per Charging Port  *(Amount of Funds Requested / Total L2 Ports)* | $ |
| Cost Effectiveness  *(1 – [Amount of Funds Requested / (Total L2 Ports x $12,500)] x 0.3)* | % |

|  |
| --- |
| Project Budget 10 points |
| Explain how the proposal budget is justifiable and reasonable relative to the project goals, objectives, and tasks defined in the Scope of Work. Detail how CEC funds will be used and why funding is needed, how will administrative and overhead costs will be minimized. |
|  |
| Explain how costs to install charging stations are minimized. |
|  |

|  |
| --- |
| Describe match funding sources and commitments. |
|  |

|  |
| --- |
| Operations, Maintenance, and Reliability 15 points |
| Explain the data collection and quantitative methods the project team will use to evaluate success of the business and technology model demonstrated, including how the project team will track charger usage by MFH residents, and rates of EV adoption once infrastructure is usable. |
|  |
| Describe the proposed charging equipment and any equipment features to deter or prevent vandalism and minimize downtime. |
|  |

|  |
| --- |
| Describe how user and vehicle safety will be ensured, particularly for offsite deployments. Include description of lighting and any other safety or security features. |
|  |
| Describe strategies to ensure required charger uptime and customer satisfaction and demonstrate the ability and capacity to execute these strategies. |
|  |

|  |
| --- |
| Sustainability and Innovation 5 points |
| Describe how the project includes innovations or advanced features, if any, including (but not limited to) renewable energy generation and integration, battery energy storage systems, mitigating on-peak electricity demand, multi-use potential, innovative business models, reducing equipment or installation costs, and reduced operation and maintenance costs. |
|  |
| Describe any innovative or advanced payment mechanisms, such as ISO 15118 Plug-and-Charge or payment through mobile apps. |
|  |

|  |
| --- |
| Explain how the proposed project will add and measure benefits to the grid and/or minimize grid upgrades and/or charging during periods of grid strain. |
|  |

|  |  |
| --- | --- |
| Initials | Acknowledgments |
|  | Prior to the project being recommended for approval at a CEC Business Meeting:   * All corporations, limited liability companies (LLCs), limited partnerships (LPs) and limited liability partnerships (LLPs) that conduct intrastate business in California are required to be registered and in good standing with the California Secretary of State. * Sole proprietors using a fictitious business name must be registered with the appropriate county and provide evidence of registration.   For more information, contact the Secretary of State’s Office via the [Secretary of State Office’s website](https://www.sos.ca.gov/) at https://www.sos.ca.gov/. |
|  | This project has not received funding from another CEC grant funding opportunity or block grant incentive project. |
|  | Applicants will comply with recordkeeping and reporting standards set forth by [Assembly Bill 2061 (Ting, Chapter 345, Statutes of 2022)](https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202120220AB2061) at https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill\_id=202120220AB2061 |
|  | Each charging port will average annual uptime of greater than 97 percent and will be operational for a minimum of six years. |
|  | Applicants will comply with AB 841 (Ting, Chapter 372, Statutes of 2020) added Public Utilities Code (PUC) section 740.20, which requires Electric Vehicle Infrastructure Training Program (EVITP) certification to install electric vehicle charging infrastructure and equipment for work performed, subject to certain exceptions. |
|  | All electric vehicle supply equipment installed for commercial use shall have a type approval certificate issued through the California Type Evaluation Program administered by the California Department of Food and Agriculture Division of Measurement Standards or Certificate of Conformance issued by the National Type Evaluation Program (NTEP) administered through the National Conference on Weights and Measures. California accepts NTEP certificates so long as the device also meets CCR Title 4, Section 4002.11. |
|  | Network chargers must conform to Open Charge Point Protocol (OCPP) 2.0.1 or later and ISO 15118. |
|  | All deployments must be at existing structures or facilities. |
|  | Applicants acknowledge that all recipients of funding through this solicitation will be required to quantify and report on emission reductions through California Air Resources Board’s (CARB’s) Climate Change Investments Quantification Methodology (QM) that is currently under development. Recipients should consult the Commission Agreement Manager for the QM guidance. |

|  |
| --- |
| Certification |
| I hereby authorize CEC to make any inquiries necessary to verify the information presented in the application.  I hereby certify under penalty of perjury under the laws of the State of California that:   * I am authorized to submit this application on behalf of the Applicant. * I authorize the CEC to make any inquiries necessary to verify the information presented in this application. * I authorize the CEC to obtain business credit reports and make any inquiries necessary to verify and evaluate the financial condition of the applicant. * I have read and understand the terms and conditions contained in this solicitation. I accept the terms and conditions contained in this solicitation on behalf of the Applicant and the Applicant is willing to enter into an agreement with the CEC to conduct the proposed project according to the terms and conditions without negotiation. * I certify that (1) this application does not contain any confidential or proprietary information, or (2) if confidential information is allowed under the solicitation, it has been properly identified. * I certify under penalty of perjury under the laws of the State of California that, to the best of my knowledge, the information contained in this application is correct and complete. * I am authorized to agree to the above certifications on behalf of the Applicant. |

**Name of Authorized Representative:**

**Initials of Authorized Representative:**

**Date:**