Failure to provide the requested information, purposely withholding pertinent information, or providing any false or knowingly inaccurate information may result in rejection of your proposal as non-responsive.

|  |  |
| --- | --- |
| **NAME OF PROPOSER:** | Click here to enter text. |
| **PROPOSAL CONTACT:**  (Name, Title, Phone, Email) | Click here to enter text. |

Technical Expertise

Within this section some answers may apply to all sites and others may be site specific. Proposers are to clarify if they are making site specific or general comments. This is of particular interest where the Proposer is discussing assumptions, exclusions, project approach, and schedule.

| 1. Project Management & Design |
| --- |
| 1.1 Identify your firm’s project team and their role on the project. Provide brief bios of the key team members and the specific value they bring to this work. |
| Click here to enter text. |
|  | |
| 1.2 Identify a design team that includes a currently California licensed Electrical Engineer and Structural Engineer as well as a microgrid engineer. Identify all design subcontractors. Provide brief bios of all key team members and engineers, including qualifications/certifications, license numbers, and dates. |
| Click here to enter text. |
|  | |

| 1. **System Construction** |
| --- |
| 2.1 Identify the major construction subcontractors you intend to use on this project, their experience with solar PV projects, and the number of jobs you have completed with each subcontractor. If the subcontractor has not been determined yet, please list the top three subcontractors you are likely to use under each major discipline. All subcontractors must be identified and prequalified. |
| Click here to enter text. |
|  |
| 2.2 Given the recent turmoil in the supply chain (module, BESS, transformer, switchgear) and module tariff and trade-complaint issues, please explain your strategy for meeting the materials and equipment procurement needs for this project with a special focus on solar modules and batteries and how that schedule risk can be managed with risks of maintaining NEM grandfathering. |
| Click here to enter text. |
| 2.3 How do you propose to manage the construction of this project? Provide the experience/qualifications of the staff proposed to oversee and manage the construction. |
| Click here to enter text. |
|  |
| 2.4 Based on your experience constructing similar projects, identify potentially significant issues that could arise during construction of this project and how you plan to mitigate them. Give special attention to busy parking lots (utilize a rolling schedule to limit closures), security clearance for building access, and BESS and Microgrid functionality. |
| Click here to enter text. |
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| 2.5 How many Inspectors of Record do you anticipate will be required to meet your project schedule for a portfolio of 7 sites? |
| Click here to enter text. |
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| 1. **Commissioning & Startup** |
| --- |
| Identify your commissioning team, including any subcontractors. Describe your commissioning process, start-up, and initial performance testing process and its compliance with all specifications. Please pay particular attention to the Microgrid Specifications in Attachment-O9-RFP-FS-2023-06-JP-481900-Microgrid Control System-Spec\_230608. |
| Click here to enter text. |
|  |

| 1. **Quality Assurance** |
| --- |
| Describe your Quality Control program. Does your company have a dedicated Quality Control staff? If so, how many employees are dedicated full-time to Quality Control? Provide sample documentation of quality control done on a similar project. | |
| Click here to enter text. | |
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Technical Proposal

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| 1. **Design and Components** | | |
| List the manufacturer (and model where applicable) of the following items you propose on this Project. If you have multiple potential equipment manufacturers/models, please list. Also, indicate the approximate cumulative installed nameplate or number of installations completed with this equipment: | | |
| NEM 2.0 Compliant PV Modules | Click here to enter text. | |
|  | |  |
| NEM 2.0 Compliant Inverters | Click here to enter text. | |
|  | |  |
| Shade Structure Manufacturer(s) and Type(s) | Click here to enter text. | |
|  | |  |
| Rooftop Racking Manufacturer(s) and Type(s) | Click here to enter text. | |
|  | |  |
| CEC Self-Generation Incentive Program Compliant BESS Components | Click here to enter text. | |
|  | | |
| Microgrid Components (microgrid controllers, switches, load management solutions like smart circuit panels with programmable circuit breakers, solar forecasting solutions, etc.) | Click here to enter text. | |
|  | | |
| PV system performance metering/DAS equipment and monitoring platform for Options 1-3. | Click here to enter text. | |
|  | |  |
| Any other significant system components that you will use. | Click here to enter text. | |
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| 1. **Site-Specific Project Approach** |
| Contractor to provide a site-specific project approach for each site in the region. Each site-specific project approach will be limited to two pages and include the following information **provided as PDF Attachments and labeled with Proposer Name, region, and site number**. See Example in Attachment W.   * Page 1 – Project Approach   + Provide site specific design and construction strategy. Please highlight any major obstacles or risks and your proposed approach to eliminate or mitigate those risks. Examples of such risks are utility conflicts, soil condition, internal building conductor routes, setbacks, shading, interconnection, DSA ADA compliance, parking lot closures, construction staging, overall schedule. Identify any of the sites that have been identified as likely to meet the FEMP hazardous condition requirements. Pricing in Attachment C2 must reflect this project approach. * Page 2 – Site plan   + Array locations   + AC/DC conduit runs and trenching   + POC location   + BESS location   + EV charger ready stalls   + EV combined conduit pull box   + ADA stalls   + Property line |
| 1. **Monitoring and Control System** | |
| Confirm that your proposal for the monitoring system meets the requirements in this specification and provide a description of your monitoring system. Include details of the cloud-based user interface and data provided by the system. State exceptions if any.  **For Option 1:** A production monitoring and data acquisition system (DAS) must be implemented in compliance with NEM requirements for the life of the PV (see Attachment-O7-481400-Solar PV-Systems-Spec for detailed requirements). | |
| Click here to enter text. | |
| **For Option 2:** The monitoring system must include Option 1 and BESS operational data outlined in Attachment-O8-48 17 13-Battery Energy Storage Systems. State exceptions if any. | |
| Click here to enter text. | |
| **For Option 3**: The monitoring system must include Option 1, Option 2, and Microgrid operational data outlined in Attachment-O9-48 19 00-Microgrid Control System. State exceptions if any. | |
| Click here to enter text. | |
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| 1. **Warranty** |
| --- |
| The Proposer’s standard warranty shall include extended/full coverage, no-cost repair and replacement for ALL system components during the entire term of the Lease/PPA. All work performed by Proposer must not render void, violate, or otherwise jeopardize any pre-existing Judicial Council facility or building warranties. Should the Judicial Council elect to purchase any systems in the future, all extended warranties shall be transferred to the Judicial Council with at minimum the following warranties:   |  |  | | --- | --- | | Solar Modules | Twenty-five (25) years | | BESS Components | Ten (10) years | | Canopy/Rooftop racking system | Twenty-five (25) years |   Please acknowledge that your proposed equipment and installation meets the above requirements and provide any further details of the warranties proposed. Specify which equipment warranties are backed by the manufacturer as well as the Proposer and for what duration. |
| Click here to enter text. |
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| 1. **Performance Modeling** | |
| --- | --- |
| 9.1 Identify the performance modeling software used to derive production estimates. | |
| Click here to enter text. |
|  |
| 9.2 Attach performance modeling output for the production estimates at each site with the site-specific layouts. The production estimates should show modeling assumptions, including weather data, degradation, soiling loss assumptions, etc. Provide explanation for non-standard assumptions. If PV System is used, clarify if module and inverter files were modified to manufacturer provided files or if standard values were used. **Submit as attachment labeled with Proposer name, region, and site number**. |
|  |
| 9.3 (**Required** if proposing bifacial modules) If you are proposing bifacial modules, identify the site(s) where bifacials are proposed and how your model has been adjusted for bifacial modules. Please provide empirical data to support the production benefits of bifacial PV modules over standard monofacial PV modules as an attachment to the proposal**.** Where feasible, the provided empirical data (as an attachment) should be from a similar climate region or from a location on a similar latitude, global irradiance levels and climate. |
| Click here to enter text. |
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| 1. **Production Guarantee** |
| In the space below, state your assumed number of module washings per year to meet the production guarantee. Provide details on any proposed weather adjustment or exclusions. |
| Click here to enter text. |
|  |
| 1. **Operation & Maintenance** |
| 11.1 In the space below, state if you can meet the minimum requirements set forth in Attachment O Series and in the Contract Documents (Yes or No). |
| Click here to enter text. |
| 11.2 Provide details on additional O&M services that are typically part of your offering. |
| Click here to enter text. |
| 11.3 Additionally, please provide details on BESS O&M services and if they will be performed by the Proposer or the Manufacturer. |
| Click here to enter text. |
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| 1. Geotechnical |
| --- |
| As-built drawings from past projects have been provided with this RFP where available. No geotechnical information is available for any sites. Please indicate the geotechnical assumptions in your proposal and your basis for these assumptions. If any of these sites are exceptions to these values, identify these sites and explain your assumptions. |
| Click here to enter text. |
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| 1. Electrical Services |
| --- |
| 13.1 Electrical switchgear information at Judicial Council sites has been provided with this RFP in the Attachment P Series and from site walks. Please identify sites where you have assumed upgrades to existing switchgear or utility transformers and what upgrade is required. |
| Click here to enter text. |
| 13.2 Confirm that your pricing includes any upgrades to existing switchgear or transformers necessary for interconnection (yes or no). |
| Click here to enter text. |
|  |
| 1. DSA ADA |
| The Judicial Council utilizes the Division of State Architect to review carport plans for ADA and shade benefit compliance. In general, explain your approach to parking lot canopy ADA compliance and if you foresee restriping or pavement modifications. |
| Click here to enter text. |
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Schedule

| 1. **Schedule** |
| --- |
| Please complete the proposed key milestone dates for each site. Assume Design NTP is issued May 1, 2024. Consider the scheduling requirement to achieve NEM2 interconnection on pertinent sites. Please account for the following estimated durations (in calendar days) in the proposed construction schedule dates.   * Add 30 days for Judicial Council design review and feedback (incorporate into Design Completion). * Add 120 days for AHJ (Judicial Council, State Fire Marshal) review and permit approval (between design completion and mobilization for construction). * Add 15 days for Judicial Council to provide Notice to Proceed after permit approval (between design completion and mobilization for construction). * Add 15 days for Judicial Council to provide a punch list after Commercial Operation Date (COD). |
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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Building ID** | **Design NTP** | **Design Completion** | **Mobilization for Construction** | **Substantial Completion** | **Final Building Inspection and PTO Request to Utility** | **Commercial Operation Date** | **Final Completion** |
| **13-A1** | May 2024 |  |  |  | April 14, 2026 |  |  |
| **19-W1** | May 2024 |  |  |  | April 14, 2026 |  |  |
| **33-G4** | May 2024 |  |  |  | June 30, 2026 |  |  |
| **36-R1** | May 2024 |  |  |  | April 14, 2026 |  |  |
| **37-C1** | May 2024 |  |  |  | April 14, 2026 |  |  |
| **37-I1** | May 2024 |  |  |  | April 14, 2026 |  |  |
| **64-E1** | May 2024 |  |  |  | April 14, 2026 |  |  |

| 1. Interconnection Applications |
| --- |
| The Judicial Council submitted Interconnection Applications for the sites in IOU territory as summarized in Site Info in Attachment C1. Sites not on NEM2 still require interconnections. Given the transition to Net Billing and the procurement schedule outlined in this RFP, it is likely that in order to achieve interconnection under NEM2 with full grandfathering, interconnection applications will need to be carefully managed.  16.1 Describe your interconnection team, methods, and processes to keep interconnections active. Describe how you will phase interconnection coordination with the utility with design and procurement work to minimize schedule risk. |
| Click here to enter text. |