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**RAM Program**

**Advice Letter 2421-E**

**Attachment C**

**Project Description Form**

**Winter 2012 Auction Seeking RAM Power Purchase Agreements **

**Project Description Form**

*Instructions:*

1. *Submit one Project Description Form for each project being submitted for SDG&E’s consideration.*
2. *Use green font for information the Respondent deems to be confidential.*
3. *Limit and focus the discussions so that this form does not exceed 30 pages (10 size font).*
4. ***Company Information***

|  |  |
| --- | --- |
| Company Name Submitting Offer(s) |  |
| Company Legal Name as party topotential contract(s) (if different) |  |
| Project Name |  |
| Company Street Address |  |
| Company City |  |
| Company State |  |
| Company Zip Code |  |
| How did the company hear of the RAM RFO?* SDG&E Website
* Email from SDG&E
* Colleague
* Other (please elaborate)
 |  |

1. ***Company Representative***

|  |  |  |
| --- | --- | --- |
|  | Primary Contact | Secondary Contact |
| Name |  |  |
| Title |  |  |
| Office Phone |  |  |
| Cell Phone |  |  |
| Email Address |  |  |

1. ***Project Summary***

|  |  |
| --- | --- |
| Expected Project Completion Date |  |
| Nameplate MW AC *(at 100% project completion)* |  |
| Net Contract MW AC *(at 100% project completion)* |  |
| Capacity Factor |  |
| Expected MWH *(first 12 months after 100% project completion)* |  |
| Percent Expected MWH degradation per year |  |
| Is the project being bid as Energy Only (Yes/No)? |  |
| Is the project being bid as FCDS (Yes/No)? (note that bidders may provide both an FCDS and an Energy Only bid for the same facility) |  |

|  |  |
| --- | --- |
| Project service territory (please select SDG&E, SCE or PG&E) |  |
| Has your project ever applied for CSI funds? |  |
| Are you planning to apply for CSI funds for this project? |  |
| Has this project ever participated in NEM? |  |
| Does this project plan to participate in NEM in the future? |  |
| Will this project sell 100% of its output to SDG&E and purchase any energy needed to serve onsite load from SDG&E (full buy/sell) or will it serve onsite load and sell excess to SDG&E (excess sales)? |  |
| If excess sales, will this project sell its entire excess output to SDG&E?  |  |
| If the entire excess output will not be sold to SDG&E, provide an explanation. |  |

1. ***Eligibility***

|  |  |  |
| --- | --- | --- |
| Criteria | Project Meets Criteria – Enter “Yes” and refer to the location in the application containing the information or explanation. Please include a brief sentence supporting your Eligibility  | Project Does Not Meet Criteria – Enter “No” and refer to the location in this document containing a detailed explanation. Please include a brief sentence summarizing your conclusion |
| Resource |
| 1. Must be CEC-certifiable as an eligible renewable resource.
 |  |  |
| 1. Must utilize commercially proven technology.
 |  |  |
| 1. Must sell entire output to SDG&E (full buy/sell) or all output in excess of onsite load to SDG&E (excess sales).
 |  |  |
| 1. Must not sell partial output from a system sized above 20 MWs
 |  |  |
| Project Capacity |
| 1. All capacity ratings specified in this RFO must be nameplate capacities for alternating current (“ac”) generation as provided to the power transmission or distribution system. Direct current (“dc”) offers will be rejected for nonconformance.
 |  |  |
| 1. Provide a minimum contract size of greater than 3 MW installed capacity.
 |  |  |
| 1. Maximum project size should be 20 MW installed capacity.
 |  |  |
| Location/Site Control |
| 1. Projects must be located within the service territories of PG&E, SCE, or SDG&E (please indicate which one).
 |  |  |
| 1. Respondent must have, at time of bidding, site control for the duration of the 10, 15, or 20 year power purchase agreement. A copy of one of the following must be provided:
	* Direct ownership;
	* Lease; or
	* Option to Lease or Purchase upon PPA approval (must be exclusive to the bidder and in effect until the completion of the RFO cycle)
 |  |  |
| Interconnection |
| 1. One of the following must be completed (please indicate which studies or agreements have been completed):
	* System Impact Study;
	* Phase I interconnection study;
	* Passed WDAT Fast Track screen;
	* Passed CAISO Fast Track screen; or
	* Completed Interconnection Agreement
 |  |  |
| 1. A copy of the most recent completed study or equivalent results from the Fast Track process must be included in the offer.
 |  |  |
| Developer Experience |
| 1. Respondent and/or members of the project development team must have experience. Provide evidence of having completed, or begun construction, of a project using a technology similar to the offered technology, that is at least 1 MW installed capacity.
 |  |  |
| 1. Respondent will maintain contractual control of the facilities and be responsible for development, land acquisition, permitting, financing and construction of the facilities.
 |  |  |
| Project Start Date |
| 1. The anticipated delivery start date provided must be within 24 months after the expected CPUC Approval date.
 |  |  |
| Other Incentives Not Permitted |
| 1. Respondents shall not have sought California Solar Incentives (CSI) for the projects being offered, or plan to seek CSI for the entire PPA term.
 |  |  |
| 1. Respondents shall not have participated in the Net Energy Metering (NEM) Program for the projects being offered, or plan to participate in the NEM program for the entire PPA term.
 |  |  |
| 1. Respondents shall not have sought or received any other benefits from small generator incentive programs offered by the State of California or California utilities.
 |  |  |

1. ***PPA Summary***

|  |  |
| --- | --- |
| Is the Seller the Scheduling Coordinator for the Project?  |  |
| Is the Buyer (SDG&E) the Scheduling Coordinator for the Project? |  |
| Product type (*please indicate Baseload, Peaking As-Available or Non-Peaking As-Available)*  |  |
| Is the Product a PIRP Participant (Yes/No)? |  |
| Is the project being bid as Energy Only (Yes/No)? |  |
| Is the project being bid as FCDS (Yes/No)? |  |
| Delivery Term *(please select 10, 15 or 20)* |  |
| The quantity of Delivered Energy per year in MWh |  |

|  |  |
| --- | --- |
| Please provide your manufacturer’s degradation factor *(for solar projects only)* |  |
| Excess sales or full buy/sell (indicate which option will be utilized by the project) |  |
|  |  |
|  |  |

1. ***Proposed Facility Location***

*Insert/attach evidence of site control in Section P and location maps in Section Q.*

|  |  |
| --- | --- |
| Project Name |  |
| Site Name *(if different from above)* |  |
| Project Street Address |  |
| Project City, State |  |
| Project Longitude: |  |
| Project Latitude: |  |
| Project parcel numbers: |  |
| Describe merits of proposed site/location. |
| Discuss status of site control, including required easements. Site control documentation should be in the name of the entity that will sign the RAM PPA. If not, please provide explanation. *Note: if shortlisted, Respondent’s site control documents must be: 1) in the name of the same entity that will execute the RAM PPA, or 2) shall have been assigned to such entity by the time Respondent accepts its position on the shortlist.*  |
| State and explain the percentage of site control that has been achieved. |

1. ***Interconnection***

|  |  |
| --- | --- |
| Interconnection Point*(substation name, line or physical description)* |  |
| City of Interconnection Point |  |
| Interconnection COD |  |
| Provide an explanation if the Interconnection COD (above) is different than the Expected Project Completion Date specified under the Project Summary Section of this form. |  |

|  |  |
| --- | --- |
| Has an interconnection application been submitted?*(please indicate CAISO or WDAT)* |  |
| Entity that requested study and/or signed interconnection agreement should be the same as entity that will sign RAM PPA. If not, please provide explanation. *Note: if shortlisted, Respondent’s interconnection documents must be: 1) in the name of the same entity that will execute the RAM PPA, or 2) shall have been assigned to such entity by the time Respondent accepts its position on the shortlist.*  |  |
| Date Application filed |  |
| Queue Position |  |
| Which study has been completed? Phase 1?Phase 2? |  |
| If the project has a completed deliverability study, please provide the estimated date for completion of the deliverability upgrades. |  |
| Bidder acknowledges that the RAM PPA price will be reduced by the Deliverability Value until the project achieves Full Capacity Deliverability Status (Y/N) |  |
| Non-Reimbursable Interconnection Costs Listed in the Study (in $) |  |
| Provide an explanation for any difference between the Non-Reimbursable Interconnection Costs Listed in the Study (above) and the value listed in cell E60 (Non-Peaking), E61 (Peaking) of Attachment B3 (Non-reimbursable interconnection costs assumed in bid price).  |  |

|  |
| --- |
| Discuss interconnection plan and status, including FCDS status. *(Even if application has not been submitted.)* |
| Please identify any termination clauses or other potential issues with existing Interconnection Agreements *(for existing only)* |

1. ***Proposed Technology and Manufacturer***

|  |
| --- |
| Describe the proposed technology:*Biogas**Biomass**Geothermal**Hydro**Solar: provide specific details regarding the following and specify whether the facility is Fixed Tilt or Tracking** *Crystalline flat plate Photovoltaic?*
* *Thin Film Photovoltaic?*
* *Concentrating Photovoltaic?*
* *Solar Thermal Electric?*

*Wind* *Other* |
| Describe the proposed technology and equipment manufacturer by name and model ( include inverter characteristics if applicable): |
| Discuss the viability of proposed technology and credibility of the manufacturer : |
| Discuss operational reliability of proposed technology and manufacturer. |
| How many projects and MWs with proposed technology have been installed worldwide? Discuss year(s) of installation, project locations, project size at each location and operational success.  |
| Discuss and provide published reports demonstrating that the proposed technology is commercially proven. |
| Described the warranty of major components, including panels and inverters. |

1. ***Ownership and Operations***

|  |
| --- |
| Explain how the Respondent has operational control of the project. *Either through contractual operational control of the project, or if the Respondent is the project operator.*  |

1. ***Fuel Source Plan***

|  |
| --- |
| Has a fuel availability (solar radiation index, biomass and etc…) study been performed for the proposed site? If so, what were the results and how do the results support the projected annual MWHs? |

1. ***Financing Plan***

|  |
| --- |
| Discuss the project’s financing plan and status, including on-going debt/equity ratio to be carried by the project during construction (if a new facility) and during operation, sources of debt and equity, equity percentage by sponsor, financing organizations (including rates and terms), level of commitment by investors and lenders. *If anticipating the need for subsidies, grants, Production Tax Credits, Investment Tax Credits or any other third party monetary awards, detail finances associated with monetary awards and discuss how the lack of funding shall impact the offer and deadlines for obtaining such awards.*  |

1. ***Permitting***

*Populate the following table with a list of required permits and anticipated completion. Include CEC RPS Certification and if applicable, water rights.*

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Permit Type/Name** | **Issuing Agency** | **Expected Completion Date** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |
| --- | --- |
| Has project receivedRPS Certification from the CEC? |  |
| If yes: |  |
| Certification No. |  |
|  |  |
| If no: |  |
| Date Application filed or to be filed |  |
| Describe anticipated issues surrounding RPS certification.  |  |

|  |
| --- |
| Discuss plan and status to obtain the permits listed above. Discuss required water rights and status to obtain such rights. Describe scope of assistance from any third party (if applicable).  |

1. ***Schedule***

|  |
| --- |
| Discuss overall project development and construction schedule.Insert dates for all applicable milestones below: |
| *No.* | *Date* | *Project Name* |
|  |  | Obtain control of all lands and rights-of-way comprising the Site. |
|  |  | File a CEC Pre-Certification and Verification application. |
|  |  | Receive a completed Phase II Interconnection Study Report  |
|  |  | Complete a comprehensive resource assessment. |
|  |  | File permitting application with appropriate agency(ies). |
|  |  | Execute interconnection agreement and/or transmission agreement. |
|  |  | Receive permitting approval(s) |
|  |  | Execute a supply contract.  |
|  |  | Execute an Engineering, Procurement and Construction (“EPC”) contract. |
|  |  | Complete financing. |
|  |  | Deliver full NTP under EPC contract and begin construction of the Project. |
|  |  | Execute Meter Service Agreement and Participating Generator Agreement. |
|  |  | Achieve initial operation. |
|  |  | Receive all Governmental Approvals necessary to achieve Commercial Operation. |
|  |  | Receive CEC Certification and Verification. |

1. ***Operational Characteristics***

Insert Facility Drawings in Section P of this Response Form.

|  |
| --- |
| *Discuss operational characteristics including required maintenance, delivery profile (peak and off-peak, hourly, daily, seasonal, annual), curtailability and dispatchability.****For excess sales bids****: include details on onsite load estimates and meter configuration (if CAISO meter reflects subtraction of customer onsite load from Project output).* |

1. ***Corporate Profile and Experience***

*Please be brief and refrain from including extensive marketing materials, resumes, etc, especially information outside the scope of the project.*

|  |
| --- |
| *Corporate background and organizational structure for the project.*  |
| *Describe project team’s background and experience developing projects of a similar nature and technology. How many MW total are currently under construction?* |
| *List and describe other projects of a similar nature and technology developed by Respondent currently in operation. What are the total MW of projects installed.*  |

1. ***Evidence of Site Control***

*Please attach/insert evidence of site control. Note: if shortlisted, Respondent’s site control documents must be: 1) in the name of the same entity that will execute the RAM PPA, or 2) shall have been assigned to such entity by the time Respondent accepts its position on the shortlist. The following will be accepted:*

1. *Documentation evidencing ownership of the site of proposed project (including easements).*
2. *A signed lease of the project site for the term of the PPA*
3. *A signed letter or contract evidencing an exclusive option to lease or purchase the project site for the term of the PPA.*
4. ***Location Map***

***Location Maps***

*Insert site location map(s) clearly showing the location, size, and orientation of the site; the location of the expected interconnections for transmission, fuel, and water; and the location of residential communities, schools, hospitals, airports, churches, cemeteries, or other expected sensitive neighbors within five miles of the site.*

1. ***Facility Design and Drawings***

*Insert facility drawings and diagrams including general equipment arrangement of the project, electric interconnect one line diagram showing the scope of supply, delivery point and metering for the electric interconnection including any transmission line and switchyard.*

1. ***Local Opportunities***

*Explain in detail the contributions the project will make to the local community.*

*(i.e. utilizing local resources and employing local hires).*

1. ***Interconnection Documentation***

*Insert interconnection study or agreement. Note: if shortlisted, Respondent’s interconnection documents must be: 1) in the name of the same entity that will execute the RAM PPA, or 2) shall have been assigned to such entity by the time Respondent accepts its position on the shortlist.*

1. ***Additional Information***

*Insert additional relevant information necessary for SDG&E to evaluate the merits of the proposal.*

1. ***Confidential Information***

*Identify parts, sections and elements of the offer (including information in this and all other forms) which Respondent considers to be Confidential and Proprietary in accordance with RFO Section 9 Confidentiality.*