

2023 Distributed Solar and Storage Resources RFP:

Exhibit B. Proposal Requirement Forms

Last Modified - 12/20/2022

Form Version: DSS202301.0

Exhibit B. Proposal Requirement Forms

Instructions for Bidders

The Proposal Requirement Forms enclosed (Exhibit B) are designed to capture the minimum information necessary for PSE to perform its preliminary review of the RFP proposals. Respondents should plan to provide all relevant information necessary to assess their proposals. PSE may also send additional data requests to respondents on an as-needed basis during the RFP process.

- 1 **To be eligible to participate in this RFP, the respondent must fully complete and include an Excel copy of the Exhibit B forms enclosed.** A downloadable copy of the forms template can be found at <http://www.pse.com/RFP>.
- 2 Complete a separate Exhibit B for each proposal submitted. Additional offers need to be submitted in a separate Exhibit B for each alternative offer.

For the purposes of this RFP, a proposal is defined as a bid for a specific type of resource or combination of resources falling under distributed solar and Battery Energy Storage System (BESS). Proposals are not mutually exclusive, meaning that more than one proposal can be selected from the same respondent.

For the purposes of this RFP, an offer is defined as an option tied to a proposal for the same resource, or combination of co-located resources (e.g., solar and BESS). The initial resource along with the terms provided is known as the base offer. A respondent may submit additional offers for the same resource or combinations of resources. Those offers may vary options such as capacity (MW), term, start or end dates, pricing structure, transmission delivery point, some combination of co-located resources, or other proposal elements.
- 3 Respondents may not modify any part of the Exhibit B forms. PSE has designed this Excel file to be a key input to PSE's DSS RFP proposal database and models. PSE will reject Exhibit B forms, if respondents add, remove or modify tabs in the file.
- 4 Respondents who do not fully complete the Exhibit B forms or who return a modified Exhibit B that is no longer functional as an input to our proposal database and models will not meet the minimum requirements of this DSS RFP. If a proposal does not meet the minimum eligibility requirements of the RFP (see Section 4 of the DSS RFP) the bidder will be notified and will have three (3) business days to remedy the proposal.
- 5 Respondents are encouraged to follow file naming guidance where provided in Exhibit B to submit additional documentation as required herein or to provide additional detail to support a response. Guidance can typically be found where respondent would indicate whether additional material has been provided.
- 6 The Exhibit B form utilizes conditional formatting throughout the sheet to help guide respondents to ensure that the appropriate information is submitted. Fields that are required to be completed are white with a black outline. When utilizing the form, certain responses to questions will result in additional fields becoming visible. This is to communicate that additional fields are required to be completed. The form is meant to be reactive, such that respondents will only

provide the information required for their bids. Optional fields are shaded gray, and should be completed if applicable to the bid. Respondents are encouraged to fill out the gray shaded fields, if applicable, to limit the need for data requests. Fields shaded light blue (the same color as form background) with no outline are not applicable to the bid, based on responses provided by the bidder, and they do not need to be completed. The following field and color guide should help clarify the visual differences between the three field types used in the form:

2b. Offer Details
 Required for all RFP proposals (Do not remove tab).

Proposal options

Offer structures included in the proposal *Select the response below that best summarizes the offer structure options included in the proposal.*

Proposal includes

Offer Details

PSE will consider solar offers paired with BESS, if the bidder includes pricing for both resources in the table below.

Offer type	<input style="width: 150px; height: 20px;" type="text"/>
<i>If other, fill out "Additional Offer Details" text box below</i>	
Ownership Option Included? <i>(Answer "Yes" for Asset Purchase offer types)</i>	<input style="width: 150px; height: 20px;" type="text"/>
<i>(Ownership options must also include completion of Tab 7 and Tab 8)</i>	
If yes, ownership start year <i>(Year)</i>	<input style="width: 150px; height: 20px; background-color: #cccccc;" type="text"/>
If yes, ownership price <i>(\$)</i>	<input style="width: 150px; height: 20px; background-color: #cccccc;" type="text"/>

- 7 PSE has undertaken a significant automation effort to help improve the efficiency and accuracy of the RFP process. Exhibit B is the primary input to this process. If technical issues are identified during testing that may negatively impact the user experience, the Exhibit B file will be corrected and an update will be provided on PSE's RFP website (<http://www.pse.com/rfp>) and in the WUTC docket. PSE will notify stakeholders of any updates to the Exhibit B forms. To be added to the RFP stakeholder distribution list, contact DERRFPmailbox@pse.com.

To avoid system errors during proposal submission caused by version inconsistencies, respondents should download the current version of Exhibit B from PSE's RFP website (<http://www.pse.com/rfp>). PSE will provide clear proposal submittal instructions on its website in January after the DSS RFP has been issued.

- 8 Have questions about the form? Contact us at SolarStorageRFPmailbox@pse.com.

1. Proposal Content Checklist

Required for all RFP proposals submitted under Category A: Turnkey Resource Acquisition (Do not remove tab.)

Proposal element	Required for	Section	Select response from drop-down list
Required proposal contents	All proposals	Exhibit B	
Proposal Content Checklist	All proposals	Tab 1	
Commercial Details	All proposals	Tab 2a	
Offer Details	All proposals	Tab 2b	
Facility	All proposals	Tab 3	
Solar	Proposals including Solar	Tab 3a	
Battery Energy Storage System (BESS)	Proposals including BESS	Tab 3b	
IT/OT Requirements	All Proposals	Tab 4	
Energy Output (8760)	Proposals including Solar	Tab 5a	
Solar Irradiance (8760)	Proposals including Solar	Tab 5b	
Interconnection	All proposals	Tab 6	
Development - Projects Detail	Development or construction project proposals	Tab 7	
Ownership - Capital Costs	Proposals including asset sale offers	Tab 8	
Ownership - Operating Costs	Proposals including asset sale offers	Tab 9	
Bid Certification and contacts	All proposals	Tab 10	
Mutual Confidentiality Agreement	All proposals	Exhibit D	
Prototype Term Sheet (by offer structure)	All proposals	Exhibit F, G and H	
PSE Customer Consent Letter	Proposals for projects with a pending request for or agreement for PSE distribution interconnection	Exhibit L	
<p>Proposals must be substantially complete consistent with the requirements of this RFP. <i>Proposals that do not provide sufficient information to substantiate a project or offer will not be considered in this RFP.</i></p>			
Minimum qualifying criteria for all proposals (as defined in RFP Section 4)			Select response from dropdown list
Does the bidder confirm that the respondent currently owns or has legally binding rights to develop or market the project(s)?			1
Does the bidder acknowledge that PSE disclaims and shall not assume any risk associated with any applicable federal or state tax incentives or other programs meant to support a relevant resource?			2
Can the resource be interconnected to the distribution system, per PSE's interconnection requirements and technical specifications?			3
Has the bidder submitted or plans to submit a request for interconnection by May 19, 2023			4

1. Proposal Content Checklist

Required for all RFP proposals submitted under Category A: Turnkey Resource Acquisition (Do not remove tab.)

5 **Is the resource located within PSE's service area?**

6 **Is the project operational, under construction, or in development? (Applicable to Front of The Meter (FTM) Solar and BESS Resources)**

All else equal, PSE prioritizes operational projects/programs first, projects under construction second, and projects/programs in development third. PSE will not consider conceptual projects in this RFP. Market or energy transfer projects, etc., should select "operational".

If development or construction, please answer the following:

7 Did respondent include an overall project schedule for meeting the commercial operation date?

8 Does the proposal demonstrate site control for the project and any other project-related infrastructure (e.g., generation tie-line, etc.) consistent with guidance in the non-price scoring matrix in Exhibit A?

At a minimum, does the proposal include non-binding letters of intent for the site?

9 Has the bidder identified required permits and approvals and their status, and provided a schedule for completion as part of the overall project schedule? See Tab 6

10 Has the bidder started the permitting process?

11 Has the bidder demonstrated progress toward completion of a habitat study?

12 Does the proposal describe the respondent's labor plan (including family-level wages, benefits and opportunities for local workers and businesses)?

13 **Has the bidder provided a project map, sketch or drawing that meets the minimum qualifying requirements specified in Section 4 of the DSS RFP? (applies to FTM solar and BESS resources)**

Must identify the geographical boundaries of the overall project and depict all property ownerships within those boundaries.

14 **Has respondent provided a CETA Equity plan consistent with the requirements of RCW 19.405.040(8)?** See Tab 2a

15 If yes, bidder may also provide a separately submitted written diversity commitment, policy, or plan in addition to their responses on Tab 2a.

16 **Respondent agrees to adhere to all applicable safety laws, guidelines and industry practices.**

17 **Does the proposal comply with all existing local, state and federal laws, regulations, and executive orders, including environmental laws?**

(e.g., Wash. state's emissions performance standards, RCW 80.80 and rules set forth in WAC 173-407)

18 **Respondent has read Sections 4 and 5 of the RFP and acknowledges that the respondent will be responsible for meeting all contractual milestones as scheduled and may be required to pay liquidated damages if they are missed. PSE may also impose credit requirements based on the respondent's credit rating.**

19 **Respondent agrees that definitive agreements and obligations thereunder shall not be sold, transferred, assigned, or pledged as security or collateral for any obligation, without the prior written permission of PSE.**

1. Proposal Content Checklist

Required for all RFP proposals submitted under Category A: Turnkey Resource Acquisition (Do not remove tab.)

Additional minimum qualifying criteria for ownership proposals (as defined in Section 4 of the DSS RFP document); applicable to FTM solar and BESS proposals with ownership transfer to PSE

Select response from dropdown list

In addition to the minimum qualifying criteria required for all proposals (above), PSE has identified the following additional criteria for ownership proposals / ownership options.

Is ownership transfer proposed to occur before, on, or after COD?

Respondent has read Section 4 of the DSS RFP and acknowledges that if selected, PSE will require comprehensive engineering design documents and drawings well in advance of project construction, and that projects will be required to meet all PSE requirements and specifications.

Respondent attests that all proposed design engineering firms and project constructors will have proven expertise and experience in projects of similar scope and size.

Proposal includes descriptions of the manufacturer warranties / guarantees for major equipment and the GSU / step-up transformers, and the maintenance requirements to maintain manufacturer warranties.

2a. Commercial Details

Required for all RFP proposals (Do not remove tab).

Respondent Summary

Respondent *seller/owner/developer*

Is the bidder a subsidiary or affiliate of PSE? *see RFP Section 4*

If yes, please specify the subsidiary or affiliate

Examples of affiliates include, but are not limited to: PSE (aka. "self-build"), British Columbia Investment Management Corporation (BCIMC), Alberta Investment Management Corporation (AIMCO), Canada Pension Plan Investment Board (CPPIB), Ontario Municipal Employees Retirement System (OMERS), Dutch pension fund manager PGGM, or any of their affiliates and subsidiaries.

Briefly describe any prior experience working with PSE

e.g., prior RFPs, prior projects/contracts, existing contracts

Experience, qualifications and company policy

Resource Type

If other, describe.

Is the respondent the owner of the facility? (applies to FTM Solar and BESS resources)

If not, specify owner.

Describe owner's experience and specify other projects completed to date.

2a. Commercial Details

Required for all RFP proposals (Do not remove tab).

Is the respondent the developer of the facility? (applies to FTM Solar and BESS resources)

If not, specify developer.

If developer is different from owner entity above, describe experience and specify other projects completed to date.

Please submit a summary CV for all key team members

(include "Summary CV" in filename of submitted document)

Please submit a Corporate Safety Plan, and Drug and Alcohol Plan

(include "Safety Plan" in filename of submitted document)

Please submit a Continuity of Business Plan

(include "Continuity of Business Plan" in filename of submitted document)

Legal and financial

Submit a deal diagram attachment that shows all contractual parties, listed by their legal names, and their relationship with the project.

(include "deal diagram" in filename of submitted document)

Is the project dependent on another entity?

If yes, please describe.

2a. Commercial Details

Required for all RFP proposals (Do not remove tab).

Does the project have any known legal issues?

If yes, please describe. Include suits, disputes, administrative investigations, permitting issues, les pendens, apparent or known property boundary ambiguities, trespasses, or encroachments, and any other pertinent legal issues.

In the past five years, has the bidder filed for bankruptcy, been determined to be insolvent or been forced into receivership?

In the past five years, has the bidder or any of its executive officers been convicted of a felony?

Please provide a description of all material litigation to which bidder has been a party at any point in the past five years, including a summary of its resolution or current status. For purposes of this question, "material" means all claims in excess of \$5 million.

Does the bidder have CPA certified or independently audited financial records for the previous 5 years?

If yes, please submit previous 2 years of information. (include "Financial Records" in filename of submitted document)

2a. Commercial Details

Required for all RFP proposals (Do not remove tab).

Does the bidder have a corporate credit rating by a credit rating agency?

If yes, please describe.

If the project is a development project, how does the respondent plan to finance the project? (applies to FTM solar and BESS resources)

2b. Offer Details

Required for all RFP proposals (Do not remove tab).

Proposal options

Offer structures included in the proposal

Select the response below that best summarizes the offer structure options included in the proposal.

Proposal includes

Offer Details

PSE will consider solar offers paired with BESS, if the bidder includes pricing for both resources in the table below.

Offer type

If other, fill out "Additional Offer Details" text box below

Ownership Option Included? (Answer "Yes" for Asset Purchase offer types)

(Ownership options must also include completion of Tab 7 and Tab 8)

If yes, ownership start year (Year)

If yes, ownership price (\$)

Resource Type

If other, describe.

Offer capacity (MW AC at POI)

Provide MWs for COD year

2024 (MW)

2025 (MW)

2026 (MW)

2b. Offer Details

Required for all RFP proposals (Do not remove tab).

Commercial Operation Date (mm/dd/yyyy)

Term start (mm/dd/yyyy)

Term end (mm/dd/yyyy)

Pricing

Describe pricing

Pricing type

(PSE preference is fixed price and uses a 6.8% discount rate to compare different offers)

If fixed price (PSE preference)

Capacity (\$/kW-year)

Energy (\$/MWh)

If escalating price

1st year capacity price (\$/kW-year)

Annual escalation (%)

1st yr energy price (\$/MWh)

Annual escalation (%)

2b. Offer Details

Required for all RFP proposals (Do not remove tab).

If market index premium / discount

Mid-C spread (\$/MWh)

If other, describe below

Other charges (If yes, please explain in additional offer details field, below)

Additional offer details

Use the text field below to describe other relevant details about the offer that are not already specified in the table.

For PPAs, also include bidder's underlying fixed and variable cost of production. In PSE's view a pricing structure that closely mirrors the actual cost structure of the project aligns the Respondent's and PSE's interests with respect to scheduling and dispatch. For temporal exchange agreements, include start and end dates for delivery to PSE, start and end dates for delivery returned by PSE, energy volume (MWh) and price per MWh.

Proposals containing one or more ownership options (e.g., existing resource, turnkey, development assets) must also complete Tab 8. Project Capital Costs and Tab 9. Operating Cost. Specify below any financing costs and the associated estimated payment schedule dates, if included in the total capital cost (Tab 8). PSE may prefer to finance the construction.

Proposals for dispatchable resources must provide detailed event performance measurements and specify what M&V and baseline capabilities they have.

Respondents are requested to include information on how they have handled prior non-performance penalties.

Respondents are requested to provide regression-based and time-based DER growth and availability models for a 2 year time period.

2b. Offer Details

Required for all RFP proposals (Do not remove tab).

Does pricing of this project assume the use of tax incentives?

If pricing is contingent upon receiving tax credits, specify the tax credits and bonus adders (investment tax credit, production tax credit, etc... and any adders expected through utilizing domestic content, meeting wage/apprenticeship requirements, achieving equity goals, etc...).

Does pricing above include all current and future environmental attributes?

3. Facility Detail

Required for all RFP proposals (Do not remove tab).

Resource information summary

Complete this tab to provide general information about the project. Provide additional project details on the relevant tab(s) listed below.

Tab 3a. Solar
Tab 3b. Battery Energy Storage System (BESS)

Please ensure that the Tab 5a. Energy Output (8760) and 5b. Solar Irradiance is completed for solar projects.

Please complete all individual resources tabs (3a and 3b) as needed, as well as Tab 6. Interconnection.

General facility information (applies to all RFP proposals)

Project/Facility name *(proposal name)*

Resource Type

If other, describe

Resource location

Address *(if available)*

City / Town

State / Province

Latitude *(use Decimal degrees formatting, i.e. 47.610378)*

Longitude *(use Decimal degrees formatting, i.e. -122.200676)*

Real estate (applies to all RFP proposals)

Project size (in acreage)

acres

Submit a map showing the project area and neighboring parcels.

(include "Project Map" in filename of submitted document)

Show anticipated layout of all project facilities. If possible, include two identified roads and the desired point of interconnection on the map.

Does the project have all necessary leases, easements or other ownership documents to operate the facility throughout the life of the project? *PSE may request this documentation, if the project advances to the second phase of the RFP.*

Describe the land area controlled relative to project facilities.

Provide additional detail below, submit supporting documentation as needed

Additional detail submitted?

(include "Land Area" in filename of submitted document)

3. Facility Detail

Required for all RFP proposals (Do not remove tab).

Provide a general description of project and project site, and describe key project components.

Provide additional detail below, submit supporting documentation as needed. As applicable, project site information should include railroads, wetlands, state and county roadways, airports, protected waterways and species, archaeological, Tribal lands, transmission lines, etc.

Additional detail submitted?

(include "Project Description" in filename of submitted document)

3. Facility Detail

Required for all RFP proposals (Do not remove tab).

Can the project be expanded?

If yes, include a description of the potential scope and conditions for additional development at the site.

Site control (applies to all RFP proposals)

List percentage of total site (including dedicated feeder if applicable) under executed land agreements. (%)

PSE may request this documentation, if the project advances to the second phase of the RFP.

Describe the type of land agreements (e.g. deeds, leases, easements, options, or rights of first refusal to construct, etc.) and/or other ownership documents demonstrating that the respondent has or can administratively gain control of the intended project properties and the legal rights to construct, interconnect, operate and maintain the project as described throughout the life of the project.

If proposal is selected for Phase 2 (due diligence) evaluation, PSE will request copies of these documents for review.

Provide additional detail below, submit supporting documentation as needed

Additional detail submitted?

(include "Land Agreements" in filename of submitted document)

3. Facility Detail

Required for all RFP proposals (Do not remove tab).

Permitting (applies to all RFP proposals)

Submit a permitting checklist for all permits and authorizations required to build and operate the project and, if applicable, the associated dedicated feeder.

(include "Permit Checklist" in filename of submitted document)

Include all project permits and any other local, state or federal government approval applications or authorizations required to build and operate the project and generation tie-line. Place special emphasis on key discretionary permits (such as a CUP, site cert and major air, wastewater and/or waste permit). Indicate the status and agency with jurisdiction for each permit or authorization required. For permits and approval applications planned or in progress, include the expected completion dates.

Does respondent have all discretionary permits required to begin construction on the facility?

Discuss the current status of applications and proceedings, and the schedule and approach to obtain the necessary permits and approvals.

Provide additional detail below, submit supporting documentation as needed

Additional detail submitted?

(include "Permit Status" in filename of submitted document)

3. Facility Detail

Required for all RFP proposals (Do not remove tab).

Is the project located in an area that is ceded land, may have been historically used by a Native American Tribe, and/or that may impact tribal interests?

If yes, has the Tribe been consulted about the project?

Provide details in the space provided below. If the Tribe has not been consulted, state why not and describe any such consultation plans for the future.

Is the respondent aware of any required tribal notifications, permit conditions or costs associated with any tribal agreement or promise?

If yes, please describe in the space below.

Environmental siting (applies to all RFP proposals)

Are there any known environmental issues relative to the development and construction of the project?

If yes, briefly explain below and describe mitigations to be employed. Include impacts to air, water, flora and fauna, energy and natural resources, environmental health, shoreline use, housing, aesthetics, recreation, historic and cultural preservation, transportation, public service and utilities. Describe measures that will be taken to mitigate all impacts of the project.

3. Facility Detail

Required for all RFP proposals (Do not remove tab).

Provide additional detail below, submit supporting documentation as needed

Additional detail submitted?

(include "Environmental Issues" in filename of submitted document)

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Have any environmental studies or assessments been performed related to the site and project?

If yes, are the studies available, if requested?

Are any additional environmental studies or assessments in progress?

Submit a list of environmental studies completed, in progress and planned.

(include "Environmental Studies" in filename of submitted document)

Include wildlife monitoring reports, biological assessments, environmental assessments, environmental impact statements, environmental media sampling reports (air, soil or groundwater), flood control measures or other risk mitigations identified at the site, and any other relevant studies.

Include in the list the status of each study, the person(s) or firm(s) responsible for conducting and completing the work, and their methodologies. For planned or in progress, describe the scope and schedule for completion.

3. Facility Detail

Required for all RFP proposals (Do not remove tab).

Does respondent have a plan to engage the community and environmental stakeholders to support the proposed project?

Discuss the plan and any ongoing community relations and environmental stakeholder relations.

Provide additional detail below, submit supporting documentation as needed

Additional detail submitted?

(include "Community Plan" in filename of submitted document)

Public engagement

Is respondent aware of any community or environmental stakeholder concerns associated with the facility?

Discuss ongoing community relations and environmental stakeholder relations. Include any known public support for the project.

Provide additional detail below, submit supporting documentation as needed

Additional detail submitted?

(include "Community Relations" in filename of submitted document)

Development projects, see also Tab 7. Development - Detail, subparts Environmental Siting and Permitting (applies to all RFP proposals)

3a . Facility Detail for Solar

Required for all solar proposals. (Do not remove tab.)

Solar Resource Summary

<u>Solar Resource</u>	Offer
Resource status	
If operating, remaining useful life. (years)	

Solar Characteristics

Solar panels	Offer
Describe the solar offer	
Manufacturer(s)	
DC capacity (MW) (Plant)	
2024	MW
2025	MW
2026	MW
Annual degradation	%
Array Azimuth (with direct south = 0) degrees	
Primary racking type (standalone resources only)	

3a . Facility Detail for Solar

Required for all solar proposals. (Do not remove tab.)

Inverter

Manufacturer(s)	
Efficiency	%

AC nameplate capacity (Plant or Aggregated)

Maximum (MW)	
2024	MW
2025	MW
2026	MW

Maximum (MVA)	
2024	MVA
2025	MVA
2026	MVA

Minimum (MW)	
2024	MW
2025	MW
2026	MW

3a . Facility Detail for Solar

Required for all solar proposals. (Do not remove tab.)

Ramping control

Ramp up *MW/min*

Ramp down *MW/min*

Describe

Energy output

Estimated net annual capacity factor %

Nov to Feb capacity factor %

Include 8760 data on Tab 5. (If more than one resource -e.g., solar+BESS, use the combined output.)

8760 data source (onsite data, estimated, etc)

Independent resource assessment completed

If so, please submit.

O&M Costs

Variable O&M Costs *\$/MWh*
assumed included in offer price

Annual Escalation rate to be used with above %

3a . Facility Detail for Solar

Required for all solar proposals. (Do not remove tab.)

DER Interconnection Details

Voltage level for DER interconnection in kV

Interconnected DER output capacity in kVA and kW

Implementation and Customer Acquisition Details

Implementation Plan

Describe implementation plan for deploying distributed solar
(Please refer to Section 2 of the main RFP document for Implementation Plan requirements. Submit separate attachment, if necessary, and include "Solar Implementation Plan" in filename of submitted document).

Provide summary of assessment and acquisition plan.

Submit assessment and acquisition plan if available.

(include "Solar Assessment and Acquisition Plan" in filename of submitted document)

Customer benefit sharing

Project include customer benefit sharing?

If yes, please describe.

3a . Facility Detail for Solar

Required for all solar proposals. (Do not remove tab.)

If available at the time of bid submittal, provide a comprehensive engineering design documents and drawings well in advance of project construction. If available, bidders should also provide one-line diagrams, three-line schematics, communication plans and protocols used, and a list of tags and alarms used. Please also include the following:

- Type of anti-islanding scheme (active or passive)
- Proposed control scheme (fixed power factor, volt/VAR, watt/VAR, etc.)
- Slope of positive sequence dynamic reactive-current injection characteristic (used in ASPEN short circuit model)
- Slope of negative sequence dynamic reactive-current injection characteristic, if applicable (used in ASPEN short circuit model)
- If not user-programmable, voltage levels at which the resource will shut down (self-protect)

If unavailable at the time of bid submittal, PSE will request this information during the evaluation or negotiation process. Projects will be required to meet all PSE requirements and specifications.

Engineering documentation submitted
(include "Engineering Documentation" in filename of submitted document)

Ownership Options

For offers that include ownership options for solar, please complete the following additional tabs:

- Tab 8. Ownership - Capital Costs
- Tab 9. Ownership - Operating Costs

3b . Facility Detail for Battery Energy Storage System (BESS)

Required for all BESS proposals. (Do not remove tab.)

BESS Summary

	Offer
<u>BESS Resource</u>	
BESS Resource type	
If other, describe.	
Standalone or paired with solar?	
Resource status	
If operating, provide remaining useful life.	(years)
Source for charging storage system	
If offsite, describe.	

System design

BESS Characteristics

	Offer
Technology	
Manufacturer(s)	
Max state of charge	%
Min state of charge	%
Capacity (power / energy) degradation impact on cycles	% per cycle
Define cycles and any additional information on states of charge assumptions.	

3b . Facility Detail for Battery Energy Storage System (BESS)

Required for all BESS proposals. (Do not remove tab.)

DER Interconnection Details

Voltage level for DER interconnection in kV

Interconnected DER output capacity in kVA and kW

Inverter (if applicable)

Manufacturer(s)

Model

Integration

Name of Integrator

Describe relevant experience of integrator

Cooling System

Provide summary description of proposed cooling system.

Fire Protection System

System addresses fire and explosive gas detection, prevention, and mitigation?

Provide summary description of fire protection system.

3b . Facility Detail for Battery Energy Storage System (BESS)

Required for all BESS proposals. (Do not remove tab.)

Capacity

AC nameplate capacity (Plant or Aggregated)

Maximum discharge power (MW)

2024	MW
2025	MW
2026	MW

Maximum discharge power (MVA)

2024	MVA
2025	MVA
2026	MVA

Minimum discharge power (MW)

2024	MW
2025	MW
2026	MW

Maximum charge power (MW)

2024	MW
2025	MW
2026	MW

3b . Facility Detail for Battery Energy Storage System (BESS)

Required for all BESS proposals. (Do not remove tab.)

Energy maximum (MWh)	
2024	MWh
2025	MWh
2026	MWh
Energy minimum (MWh)	
2024	MWh
2025	MWh
2026	MWh
Augmentation required?	
Describe augmentation schedule	

Control and operations

Ramping control		
Ramp up	MW/min	
Ramp down	MW/min	
Describe		
Charging / Discharging		
Charge efficiency	%	
Discharge efficiency	%	
Total Round Trip efficiency	%	
BESS control		

3b . Facility Detail for Battery Energy Storage System (BESS)

Required for all BESS proposals. (Do not remove tab.)

Does owner control the energy storage?	
Does the BESS need a schedule for state of charge?	
Is the resource intended to time-shift for peak capacity?	
If yes, describe control.	
Can the energy storage provide operational flexibility?	
If yes, describe control, impact of lifespan.	
Can the facility be dispatched by PSE?	
Operations	
Forced outage rate	%
Mean time to repair	(hours)
O&M costs	
Variable O&M costs <i>assumed included in offer price</i>	\$/MWh
Fixed O&M <i>assumed included in offer price</i>	\$/kW-yr

3b . Facility Detail for Battery Energy Storage System (BESS)

Required for all BESS proposals. (Do not remove tab.)

Annual planned maintenance

Expected average days per year

Expected timing month/season

Estimated annual unit availability

(provide value on % of year basis)

Implementation and Customer Acquisition Details

Implementation Plan

Describe implementation plan for deploying distributed BESS.

Provide summary of assessment and acquisition plan.

Submit assessment and acquisition plan if available.

(include "BESS Assessment and Acquisition Plan" in filename of submitted document)

Customer benefit sharing

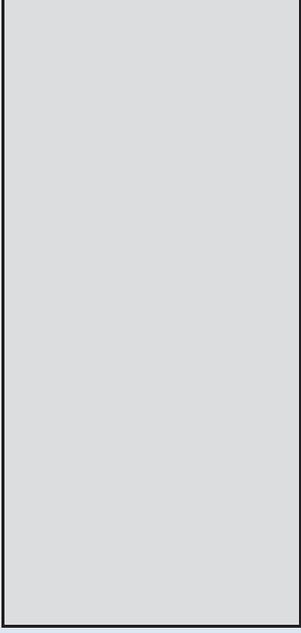
Project include customer benefit sharing?

If yes, please describe.

3b . Facility Detail for Battery Energy Storage System (BESS)

Required for all BESS proposals. (Do not remove tab.)

If available at the time of bid submittal, provide a comprehensive engineering design documents and drawings well in advance of project



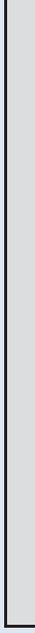
Engineering documentation submitted

(include "Engineering Documentation" in filename of submitted document)

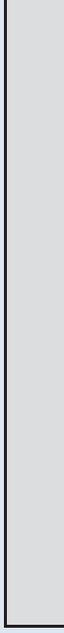
Ownership Options

For offers that include ownership options please include the following:

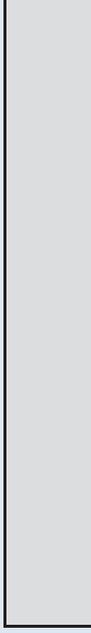
Expected life span for energy storage system (years)



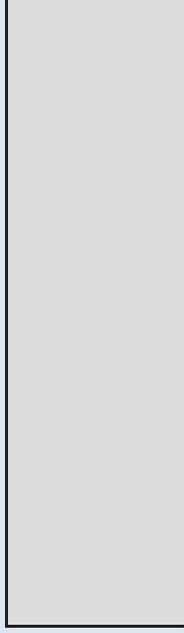
Describe any additional augmentation and recycling of batteries that are included at end of life span



Describe design engineering firms and project constructors proven expertise and experience in projects of similar scope and size



Proposals should include documentation including system and equipment compliance with appropriate governing agencies and standards including Federal Energy Regulatory Commission ("FERC"), North American Electric Reliability Corporation ("NERC"), Western Electric Coordinating Council ("WECC"), Underwriters Laboratories ("UL"), Institute of Electrical and Electronics Engineers ("IEEE"), National Electrical Code ("NEC"), Industry Foundation Classes ("IFC"), etc., as applicable



Compliance documentation submitted

(include "Compliance Documentation" in filename of submitted document)

3b . Facility Detail for Battery Energy Storage System (BESS)

Required for all BESS proposals. (Do not remove tab.)

For offers that include ownership options for flexible capacity resources, please complete the following additional tabs:

Tab 7. Ownership - Capital Costs

Tab 8. Ownership - Operating Costs

4. Proposal Requirements and Details

Required for all RFP proposals (Do not remove tab).

Note: not being able to meet the requirements listed below will not automatically eliminate a respondent. If a requirement cannot be met, provide an explanation in the Vendor Comments section of capabilities.

Ex I #	Functional Area	Capability	Priority	Requirement	Select: Comply or Not Comply	Vendor Comments
1.01	Business	DER Types	Must Have	Respondent must provide CETA compliant resource(s)		
1.02	Business	Performance	Must Have	Respondents proposing dispatchable resources must provide detailed event performance measurements and perform M&V. Respondent shall specify what M&V and baseline capabilities they have.		
1.03	Business	Performance	Must Have	Respondent must acknowledge that PSE may implement financial penalties for non-performance of kW / kWh targets		
1.04	Business	Planned outage	Must Have	Respondent must provide PSE 7 days advanced notice for any planned DER outage		
1.05	Business	Planned outage	Must Have	Respondent must provide 7 days advanced notice for any DER testing		
1.06	Business	Compliance	Must Have	Respondent must comply with all applicable laws and regulations. Respondent must ensure that all proposed resources comply with all applicable PSE, WA, state, and national safety standards. As applicable, respondent must support PSE's compliance with privacy laws and regulations including WAC 480-100-153 and WAC 480-90-153.		
1.07	Business	Sale of information	Must Have	Respondent must not sell any customer information obtained from PSE or from the customer through PSE programs		
1.08	Business	Settlement	Must Have	Respondent must support settlement process with both DER owners and PSE		
2.01	Engineering	Asset Management	Must Have	Respondent must provide the physical location of the DER resource allowing PSE to match it with the distribution feeder it is connected to. It is assumed and expected that the vendor/supplier of the project will provide the GIS data to PSE in electronic form to be consumed or entered into our SAP CIS, GIS, Virtual Power Plant, and SCADA systems.		
2.02	Engineering	Asset Management	Must Have	Respondent must provide DER nameplate, resource availability, response information to PSE. This information needs to be provided at individual DER level for DER > 25kVA and aggregated (at least down to feeder level) for smaller resources.		
2.03	Engineering	Communications	Must Have	Respondent requested to be capable of communicating using the following: -Standards and protocols: IEEE 2030.5, DNP3 SCADA protocol devices, Modbus SCADA protocol devices, SunSpec Smart Inverter Profile (Modbus or DNP3), MESA Storage Profile (Modbus or DNP3), ICCC -Networks: LTE cellular, Broadband Respondent requested to describe experience with: -IEEE 2030.5; Describe communications experience with IEEE 2030.5 and specify equipments (i.e. battery controller, inverter, etc) controlled by the IEEE signal -LTE Cellular: What cellular carrier is being proposed and what carriers have you used in the past? Where was this done? Respondent requested to validate that the DER can communicate through LTE cellular or fiber connections using real-time data with IEEE 2030.5 or DNP 3.0 communication standards. Supplier to specify which cellular carrier is being proposed? Please provide what cellular carriers have you used in the past? Where was this done? What PCS Power Control System) and inverter equipment did you communicate with (i.e., battery controller, inverter, both)? Were Watch Dog Timers and diagnostics used if communication failures occurred?		
2.04	Engineering	Communications	Must Have	Respondent must adhere to all applicable PSE interconnection processes, comply with all applicable PSE technical specifications and open industry communication standards, including the interconnection requirements set forth in: -PSE's Tariff Schedule 152 - Interconnection with Electric Generators (https://www.pse.com/media/ProjectPSEP/01/rate-documents/Electric/elec_scht_152.pdf) -IEEE 1547-2018: Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power System Interfaces (https://standards.ieee.org/products-services/standards-related/pdf/electric-power-systems.html), and -PSE's Technical Specification and Operating Procedures for Interconnection of Generation Facilities Not Subject to FERC Jurisdiction (https://www.oasis.oal.com/woad/docs/PSEI/PSEIdocs/PSE-ET-160/70_NonFERC_19Aug07.pdf)		
2.05	Engineering	Grid Operation	Must Have	Respondent must provide DER inverter specifications to PSE including, but not limited to: -Rated AC output power, current, and voltage; -Power factor range of adjustability -Available voltage and frequency protective elements; -Available grid support functions (anti-islanding, voltage ride through, voltage support, etc.); -Available communication protocols; -Grid standard (IEEE 1547 and UL 1741) compliance information		
2.06	Engineering	Inverter	Must Have			

4. Proposal Requirements and Details

Required for all RFP proposals (Do not remove tab).

3.01	IT	Cybersecurity	Must Have	Respondent must meet industry best practices for security standards set by NIST-IR 7628
3.02	IT	Cybersecurity	Must Have	Respondent shall remove or disable all software components that are not required for the operation and maintenance of the device prior to the Factory Acceptance Testing (FAT). The Respondent shall provide documentation on what is removed and/or disabled
3.03	IT	Cybersecurity	Must Have	Respondent shall provide, within a pre-negotiated period, appropriate software and service updates and/or workarounds to mitigate all vulnerabilities associated with the product and to maintain the established level of system security
3.04	IT	Cybersecurity	Must Have	Respondent shall certify that its systems and products have undergone cyber security testing by leading and independent government sanctioned organizations
3.05	IT	Cybersecurity	Must Have	After contract award, the Respondent shall provide notification of known security vulnerabilities affecting the Respondent supplied or required operating system, application and critical third-party software within a pre-negotiated period after public disclosure
3.06	IT	Cybersecurity	Must Have	After contract award, the Respondent shall provide notification of a patch(es) affecting security within a pre-negotiated period, as identified in the patch management process. The Respondent shall apply, test and validate the appropriate updates and/or workarounds on a baseline reference system before distribution. Mitigation of these vulnerabilities shall occur within a pre-negotiated period
3.07	IT	Data security	Must Have	Respondent must comply with PSE's Security Addendum (Consultant or Hosted) and ensure data security for all relevant usage, metering, settlement, and customer information.
3.08	IT	Integration	Must Have	For VPP interfacing resources, Respondent is requested to provide a list of presently operational VPP interfaces and a separate list of VPP interfaces that have only been piloted
3.09	IT	Standards	Nice to Have	Respondent requested that system be capable of fully complying with and capable of communicating to DER (BESS or PV storage system) using a smart inverter with its PCS system. PSE requires that the Smart Inverter incorporate or embed into its controls the SunSpec interoperability standards. These standards and communication protocols shall be as follows: <ul style="list-style-type: none"> * IEEE 2030.5 * DNP3.0 * Modbus TCP The above communication protocols shall provide open interoperability and real-time communication to the PCS control system and components which the Smart Inverter is part of the controls equipment. Security with the Smart Inverter shall also include: PSE security requirements, TLS, PKI infrastructure, Digital Certificates and authority, encryption (SHA-256), authentication, authorization, identities, and client identification with the above communications. The SunSpec Standard shall provide a DER and Device Information Data Model to collect, read, and write data to the Smart Inverter. This shall consist of C5P profile for the inverter, monitoring power production data (kWh, kW, Delivered, Received, charging ramp rates, alarms, changing schedules, events, over/under voltage, over/under current, Frequency, and all power-imbalance). It shall also provide connect and disconnect functions, High/Low voltage ride through, Volt-Var, and PF control functions. PSE requires reporting data capabilities as well with Real and Reactive Power, Volts, Amps, Hz, and PF for all 3 phases + Neutral including Averages.
3.10	IT	Standards	Must Have	Supplier/Respondent must have the ability with their PCS system (Power Control System) to have rate schedules managed by the VPP. The expectation is that system supports both direct and indirect control with rate and charging schedules. This can be managed by an Aggregator using open protocols such as IEEE-2030.5 or DNP 3.0 but must coordinate and integrate with the VPP via OpenADR 2.0b as a VEN. If direct control is used by PSE VPP/DERMS system then the supplier shall support PSE standards of IT/OT communications direct to the energy storage controller.
4.01	Load Office	DER Control	Must Have	Respondent must have the ability to be managed by, interface with, and directly be controlled by the PSE VPP with AutoGrid for solar deployments >=0.5MW and <2MW and FOTM BESS <2MW
4.02	Load Office	Dispatch	Must Have	Supplier/Respondent must have the capability with its DER site controls, communication to aggregators and VPP to indicate resource availability, readiness, and equipment status of all components at the DER to dispatch the DER resource.
4.03	Load Office	Forecasting	Must Have	Respondent required to have the capability to provide generation capacity up to 48 hours in advance
4.04	Load Office	Forecasting	Nice to Have	Respondent requested to have the capability to provide generation capacity up to 7 days in advance

4. Proposal Requirements and Details

Required for all RFP proposals (Do not remove tab).

5.01	Operations	Alarms	Nice to Have	The Supplier/Respondent shall have the ability to provide DER controls which manage all states, alarms and events to the VPP. This shall include watch dog timers for communication, loss of end-points or loss of physical or communication to the site. If the communications is lost the communications shall retry to establish communications. If communications is lost an alert and alarm shall occur. All states and events shall also be managed so that root cause analysis can be determined to what caused the failure.
5.02	Operations	Control	Nice to Have	Supplier/Respondent shall have the capability to respond to real time control from the VPP (source) to the DER PCS controls (site). Communications shall have the ability to perform read request, respond and write data including all PCS configuration controller data.
5.03	Operations	Control	Must Have	The interval between control command request and response back to the VPP should be less than 15 seconds. PSE ultimately desires to have 5 second or better response time from request from the VPP to response from the DER.
5.04	Operations	Data interval	Must Have	Supplier/Respondent must be capable of enabling processes for the DER site to be managed from the VPP for all data collection with DER Asset Production Resource data. PSE desires to have 15 second response time from a read request and write from the VPP to the DER. PSE ultimately desires to have 5 second or better response time from read request from the VPP to response from the DER.
5.05	Operations	Event response	Must Have	Respondent's time window for providing full capacity for a dispatched event, which PSE notifies an hour ahead, is how large (within a minute, five mins, etc...)?
5.06	Operations	Event response	Must Have	Respondent must be able to provide confirmation of opt-out of events to the VPP
5.07	Operations	Event response	Must Have	Respondent must be able to receive event notifications from the VPP
5.08	Operations	Event response	Must Have	Respondent must be able to respond to day-ahead events. Respondent shall describe their notification requirements in order to successfully respond to an event, including minimum advanced notice time interval.
5.09	Operations	Event response	Nice to Have	Respondent requested to have the capability to respond to hour-ahead events
5.10	Operations	Ride-through	Must Have	Respondent must ensure that inverters ride-through momentary outages according to standard IEEE 1547-2018, standard CA-21, and standard UL-1741.
5.11	Operations	SCADA	Must Have	Respondent is required, for direct connect DER, to provide interconnection architecture (building upon included diagrams and including more detail) that shows the connectivity with meter, DER, utility service point, transformer highlighting the energy flow, and the communication standards used to communicate between the devices.
5.12	Operations	SCADA	Must Have	Respondent must provide uptime availability of DER for monitoring, control, and metering purposes to the PSE SCADA system for DER > 25 kVA
5.13	Operations	SCADA	Nice to Have	Respondent requested to provide communication status of the DER monitoring, control, dispatch link.
5.14	Operations	SCADA	Must Have	Respondent must be able to curtail DER when instructed by PSE for DER > 25kVA
5.15	Operations	SCADA	Nice to Have	Respondent is requested to provide digital and analog points for SCADA connected DER > 25 kVA
5.16	Operations	VPP	Nice to Have	Respondent requested to provide DER status, performance, and configuration data to the VPP
5.17	Operations	Maintenance	Must Have	For any response with a PSE ownership option, Respondent shall provide equipment maintenance requirements
6.01	Planning	Forecast	Must Have	Respondent shall provide to PSE annually updated 8760 DER forecast and normative load shapes for DERs >=500kVA.

5a. Variable Energy Output Profile for Solar (8760)

Required for all proposals including solar. (Do not remove tab.)

Solar Offer

Energy Profile Used	
Project capacity at POI (MW)	
Project annual output at POI (MWh)	

* Note the 8760 data should be based on historical data, when possible.
 * Offers that include solar plus BESS should submit the combined 8760 output.
 * Please format data to at most 4 decimal places (shown in the table below)

Solar Offer

Hour ending	POI AC (MW)
1	
2	
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5. Solar Irradiance Input Profile for Solar (8760)

Required for all solar proposals (Do not remove tab.)

Solar Offer

Irradiance Profile Used

* Note the 8760 data should be based on historical data, when possible.

* Please format data to at most 4 decimal places (shown in the table below)

Solar Offer

Hour ending	Site Irradiance (w/m ²)
1	
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6. Interconnection

Required for all RFP proposals (Do not remove tab).

Delivery Path

Do interconnection requirements apply to your project?

Please use the following text box to clarify any information with respect to interconnection.

Interconnection

Has an interconnection application been submitted for the project?

Desired date to obtain Certificate of Operation and generate in parallel with the PSE electrical system

List in table below all available or in progress interconnection studies and status.

Study type	Status	Estimated completion date	Received/ Study performed by

If "Other" selected above, describe the study type

Energy Storage - load request

Does energy storage project require a separate transmission or distribution service to charge the device?

If yes, please describe transmission or distribution status required for charging.

7. Development - Details

Required for all RFP proposals (Do not remove tab).

Schedule

Submit a detailed project development schedule covering the period from the initiation of development activities through the project's proposed COD. *(e.g., Gantt chart)*

Include the most accurate estimates available for each of the following:

Project development	Construction	Include any additional timelines applicable to the project that will demonstrate its status and plans
Permitting	Startup	Include any actions taken to ensure the schedule is met (e.g., long-lead equipment orders)
Interconnection	Testing	Include any potential opportunities to improve the schedule
Engineering	Commissioning	

Construction

Have any arrangements or commitments been made for the construction of the project?

(e.g., contracts, LOIs, MOUs)

Describe the contractual structure proposed for project design, procurement and construction, and any arrangements or commitments for project construction. *(e.g., turnkey; engineering, procurement and construction (EPC); multiple lump-sum purchase, etc.)*

Provide additional detail below, submit supporting documentation as needed

Additional detail submitted?

(include "Development contractual structure" in filename of submitted document)

7. Development - Details

Required for all RFP proposals (Do not remove tab).

Submit information about the organization and individual responsible for project management during this phase.

(include "Development project management" in filename of submitted document)

Has the respondent established a labor plan?

If yes, please submit the labor plan

(include "Labor Plan" in filename of submitted document)

If yes, is it consistent with RCW 82.08.962 and 82.12.962:

High standards?

Family-level wages?

Benefits?

Opportunities for local workers and businesses?

Will the project utilize a Project Agreement or Community Workforce Agreement for major construction activities associated with the construction of the project?

Does the respondent agree to make commercially reasonable efforts to ensure that such Project Agreement or Community Workforce Agreement is eligible to be certified by the Washington Department of Labor and Industries under the standards of the Washington State Clean Energy Transformation Act (RCW 19.405)?

Will the project utilize apprenticeship during the construction phase of the project?

If the project is a renewable project that qualifies for a one and two-tenths (1.2) multiplier of the environmental attributes generated from the project, will the additional renewable attributes resulting from the use of apprenticeship accrue to PSE throughout the term of the PPA at the offer price specified in the proposal?

7. Development - Details

Required for all RFP proposals (Do not remove tab).

Briefly describe the labor plan.

If construction is completed, are there any open warranty issues?

If yes, submit a list of open warranty issues.

(include "Development warranty issues" in filename of submitted document)

8. Ownership - Capital Costs

Required for Solar and BESS proposals that involve asset sale offers. (Do not remove tab.)

	A	B	P	Q	R	S	T	U	V	W	X
			2032	2033	2034	2035	2036	2037	2038	2039	2040
1	Project buildout capital costs (as applicable)										
2	Land acquisition	\$									
3	Engineering	\$									
4	Permitting	\$									
5	Development fees	\$									
6	Other development costs	\$									
7	Generation facility	\$									
8	OM building	\$									
9	Project substation	\$									
10	Generation equipment:	\$									
12	Solar array(s)	\$									
14	Batteries	\$									
15	Power control systems / inverters	\$									
17	Spare parts	\$									
21	Other (taxes, insurance, etc.)	\$									
22	Contingency	\$									
23	Initial working capital	\$									
24	Start up power credit: sales of test power	\$									
25											
26											
27	Ongoing capital costs during project operation (as applicable)		2032	2033	2034	2035	2036	2037	2038	2039	2040
28	Incremental capital needs (please /ist)	\$									
33	Major maintenance	\$									
34											
35											
36											
	Are sales taxes assumed to be included in each line item?										

8. Ownership - Capital Costs

Required for Solar and BESS proposals that involve asset sale offers. (Do not remove tab.)

	A	B	Y	Z	AA	2043	AB	2044	AB	2045	AB	2046	AB	2047	AB	2048	AB	2049	
1	Project buildout capital costs (as applicable)																		
2	Land acquisition	\$																	
3	Engineering	\$																	
4	Permitting	\$																	
5	Development fees	\$																	
6	Other development costs	\$																	
7	Generation facility	\$																	
8	OM building	\$																	
9	Project substation	\$																	
10	Generation equipment:	\$																	
12	Solar array(s)	\$																	
14	Batteries	\$																	
15	Power control systems / inverters	\$																	
17	Spare parts	\$																	
21	Other (taxes, insurance, etc.)	\$																	
22	Contingency	\$																	
23	Initial working capital	\$																	
24	Start up power credit: sales of test power	\$																	
25																			
26	Ongoing capital costs during project operation (as applicable)																		
27	Incremental capital needs (please /ist)	\$																	
28	Major maintenance	\$																	
33																			
34																			
35																			
36																			

Are sales taxes assumed to be included in each line item?

8. Ownership - Capital Costs

Required for Solar and BESS proposals that involve asset sale offers. (Do not remove tab.)

	A	B	2050	2051	2052	2053	2054	AC
			AB	AB	AB	AB	AB	Additional Info
1	Project buildout capital costs (as applicable)							
2	Land acquisition	\$						
3	Engineering	\$						
4	Permitting	\$						
5	Development fees	\$						
6	Other development costs	\$						
7	Generation facility	\$						
8	OM building	\$						
9	Project substation	\$						
10	Generation equipment:	\$						
12	Solar array(s)	\$						
14	Batteries	\$						
15	Power control systems / inverters	\$						
17	Spare parts	\$						
21	Other (taxes, insurance, etc.)	\$						
22	Contingency	\$						
23	Initial working capital	\$						
24	Start up power credit: sales of test power	\$						
25								
26	Ongoing capital costs during project operation (as applicable)							
27	Incremental capital needs (please /ist)	\$						
28	Major maintenance	\$						
33								
34								
35								
36								

Are sales taxes assumed to be included in each line item?

9. Ownership - Operating Costs

Required for Solar and BESS proposals that involve asset sale offers. (Do not remove tab.)

		Are costs in nominal dollars or real?										Assumed escalation rate?
		F	G	H	I	J	K	L	M	N	O	
		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
	Generation statistics (as applicable per resource type)											
1	Net capacity											
2	MW											
3	MWh											
6	Annual availability factor											
7	Net capacity factor											
8	%											
9	Net annual generation (AC)											
10	GWh											
	Fixed operating expenses (as applicable per resource type)											
11	O&M - general											
12	\$/kW-yr											
13	Transmission - electric to point of delivery (POD)											
14	Insurance											
15	Property tax											
16	Asset management fee											
17	Environmental monitoring											
18	Outside services											
19	Other											
25	Service agreements:											
28	Capacity payment											
30	Spare parts											
31	Parasitic power											
32	Permit requirements											
34	Development fee											
35	Land leases											
36												
37												
38												
39	Variable operating expense (as applicable per resource type)											
39	O&M - general											
41	Transmission - electric to point of delivery (POD)											
49	Production payments to developer											
50	Landowner royalties											
53												
54	Are sales taxes assumed to be included in each line item?											

9. Ownership - Operating Costs

Required for Solar and BESS proposals that involve asset sale offers. (Do not remove tab.)

	A	B	P	Q	R	S	T	U	V	W	X	Y
			2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
1	Generation statistics (as applicable per resource type)											
2	Net capacity	MW										
3	Annual availability factor	MWh										
6	Net capacity factor	%										
7	Net annual generation (AC)	GWh										
8												
9												
10												
11	Fixed operating expenses (as applicable per resource type)											
12	O&M - general	\$/KW-yr										
13	Transmission - electric to point of delivery (POD)	\$/KW-yr										
14	Insurance	\$										
15	Property tax	\$										
16	Asset management fee	\$										
17	Environmental monitoring	\$										
18	Outside services	\$										
19	Other	\$										
20	Service agreements:											
21	Capacity payment											
22	Spare parts											
23	Parasitic power											
24	Permit requirements											
25	Development fee											
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36												
37												
38												
39	Variable operating expense (as applicable per resource type)											
40	O&M - general	\$/ MWh										
41	Transmission - electric to point of delivery (POD)	\$/ MWh										
42	Production payments to developer	\$/ MWh										
43	Landowner royalties	\$/ MWh										
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9. Ownership - Operating Costs

Required for Solar and BESS proposals that involve asset sale offers. (Do not remove tab.)

	A	B	Z	AA	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052
1	Generation statistics (as applicable per resource type)													
2	Net capacity	MW												
3	Annual availability factor	MWh												
6	Net capacity factor	%												
7	Net annual generation (AC)	GWh												
8														
9														
10														
11	Fixed operating expenses (as applicable per resource type)													
12	O&M - general	\$/KW-yr												
13	Transmission - electric to point of delivery (POD)	\$/KW-yr												
14	Insurance	\$												
15	Property tax	\$												
16	Asset management fee	\$												
17	Environmental monitoring	\$												
18	Outside services	\$												
19	Other	\$												
25	Service agreements:													
28	Capacity payment	\$/KW-yr												
30	Spare parts	\$/KW-yr												
31	Parasitic power	MWh / yr												
32	Permit requirements	\$												
34	Development fee	\$												
35	Land leases	\$												
36														
37														
38														
39	Variable operating expense (as applicable per resource type)													
39	O&M - general	\$ / MWh												
41	Transmission - electric to point of delivery (POD)	\$ / MWh												
49	Production payments to developer	\$ / MWh												
50	Landowner royalties	\$ / MWh												
53														
54	Are sales taxes assumed to be included in each line item?													

9. Ownership - Operating Costs

Required for Solar and BESS proposals that involve asset sale offers. (Do not remove tab.)

	A	B	2053	2054	AB Additional Info.
1	Generation statistics (as applicable per resource type)				
2	Net capacity	MW			
3	Annual availability factor	MWh			
6	Net capacity factor	%			
7	Net annual generation (AC)	GWh			
8					
9					
10					
11	Fixed operating expenses (as applicable per resource type)				
12	O&M - general	\$/kW-yr			
13	Transmission - electric to point of delivery (POD)	\$/kW-yr			
14	Insurance	\$			
15	Property tax	\$			
16	Asset management fee	\$			
17	Environmental monitoring	\$			
18	Outside services	\$			
19	Other	\$			
25	Service agreements:				
28	Capacity payment	\$/kW-yr			
30	Spare parts	\$/kW-yr			
31	Parasitic power	MWh / yr			
32	Permit requirements	\$			
34	Development fee	\$			
35	Land leases	\$			
36					
37					
38					
39	Variable operating expense (as applicable per resource type)				
39	O&M - general	\$/ MWh			
41	Transmission - electric to point of delivery (POD)	\$/ MWh			
49	Production payments to developer	\$/ MWh			
50	Landowner royalties	\$/ MWh			
53					
54	Are sales taxes assumed to be included in each line item?				

10. Bid Certification and Contacts

Required for all RFP proposals (Do not remove tab).

Bid certification

The respondent hereby certifies that this proposal is genuine; not made in the interest of, or on behalf of, any undisclosed person, firm or corporation; and is submitted in conformity with any anti-competitive agreement or rules. The respondent has not directly or indirectly induced or solicited any other bidder to submit a false or sham proposal. The respondent has not solicited or induced any other person, firm or corporation to refrain from proposing. The respondent has not sought by collusion to obtain for itself any advantage over any other respondent. False certification will result in disqualification of bid and forfeiture of the bid fee.

Note In addition to providing a fully intact copy of the live Exhibit B forms (in Excel format), bidder must provide a signed copy of Tab 10. A PDF scan of the signed tab must be submitted electronically along with Exhibit B and all other attachments. Please include "Bid Certification Signature" in filename of submitted document.

Proposal name

locked field populates from proposal Tab 3

Submitted by

full legal name of entity

Name of respondent entity

if different from above

Signature of an Officer of respondent entity

or other duly authorized agent

(include "Bid Certification Signature" in filename of submitted document)

Name of signatory

Title of signatory

Date signed

10. Bid Certification and Contacts

Required for all RFP proposals (Do not remove tab).

Please provide a signed copy of Tab 9 (scanned PDF file), along with the complete live Excel proposal form.

Do not remove Tab 9 (or any other tab) from the Exhibit B proposal file.

Primary contact

Contact name	
Contact title	
Name of company	
Mailing address	
City	
State/Province	
Zip code	
Primary phone	
Email	

10. Bid Certification and Contacts

Required for all RFP proposals (Do not remove tab).

Alternate contact (optional)

Contact name	
Contact title	
Name of company	
Mailing address	
City	
State/Province	
Zip code	
Primary phone	
Email	