

2021 All Source RFP Q&A through AllSourceRFPmailbox@pse.com

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Date	Question	PSE response
4/5/21	PSE says that it "prefers operational projects/programs first, projects under construction second, and projects/programs in development third. PSE will not consider conceptual projects in this RFP." Can you please define "conceptual project," (i.e., is a project in the option period phase a conceptual project)?	<p>Please refer to the "Minimum qualifying criteria" in Section 4, Proposal Requirements (including minimum requirements for all proposals, ownership proposals, battery energy storage systems, and demand response and distributed energy resources proposals) of the All Source RFP (pp. 28-33) and the qualitative scoring rubric in Exhibit A, Evaluation Criteria and Scoring (pp. A5-A7).</p> <p>Generally speaking, PSE would consider a conceptual project/program to be one that does not contain the minimum information required to substantiate or evaluate the viability of the proposed resource, or its associated costs and risks.</p>
4/5/21	Could you confirm that proposals need to point to an asset and that they may not be non-resource specific?	PSE will consider non-unit contingent capacity products with terms less than five (5) years. (RFP main document, pp. 18-19)
4/9/21	<ol style="list-style-type: none"> 1. Will you please provide clarity as to whether renewable diesel (ASTM D975) is considered a Renewable Fuel by the State of Washington? 2. Will you please advise whether renewable diesel is considered an Eligible Renewable Resource (RCW 19.285.030)? 3. Would renewable diesel (ASTM D975) be acceptable for use in projects proposed in the 2021 PSE All-Resource RFP? 	Electricity generated from biodiesel would be considered a renewable resource under both the Energy Independence Act and the Clean Energy Transformation Act (CETA), provided that the biodiesel is not derived from crops raised on land cleared from old growth or first growth forests (RCW 19.285.030 (21) and RCW 19.405.020 (34)). PSE would require the bidder to clearly demonstrate that the proposed resource complies with these requirements and reserves the right to conduct further due diligence for verification. PSE also notes that CETA rules on standards and requirements relating to the blending or co-mingling of fuels during transport and the subsequent tracking of those fuels to their end-use in renewable generation have not yet been established, and PSE would require that the biodiesel be

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		transported and held separately to the extent possible. PSE would also require the bidder to assume the risk that the biodiesel is compliant with any future CETA rulemaking.
4/20/21	What kind of irradiance data is PSE asking for? Will publicly available online GIS data suffice or must the data derive from on-site data collection?	PSE will accept irradiance data for solar projects from reputable, publically available GIS data sources as well as ground-based monitoring systems. PSE prefers site-specific data where available.
4/27/21	Can we arrange a call with PSE to discuss the feasibility of our project?	We are in a quiet period for the 2021 RFP, so would ask that you or your customers send questions to us through this RFP mailbox. Written comments or questions may also be submitted electronically through the Washington Utilities and Transportation Commission's web portal. We also encourage participation in the bidders conference this summer, ahead of submitting proposals to the RFP in September. More information on the 2021 RFP and the RFP documents themselves can be found on our website (www.pse.com/rfp).
5/3/21	The battery storage study of low risk substations indicates that the Main & Aux substations are more ideal due to better reliability and lower interconnection costs. Have you determined if the Rochester substation, located in Thurston County, is a Main & Aux substation, or whether it would be ranked as 'low risk'?	Thank you for your inquiry. The consultant reviewed all PSE substations that met the suitability criteria listed in Section 2.1.1 of the report. If a specific substation is not listed in the report, it is likely it did not meet the suitability criteria. The report is meant as a starting point for developers to use, and not as a replacement of the LGIA process. Additional details for substations (either listed in the report or not) will need to be determined via the formal LGIA process. Please see PSE's OASIS site for details on how to complete the LGIA process.
5/10/21	Would PSE be open to projects sited on PSE-owned land?	This is an All Source RFP, therefore PSE will consider proposals for all types and locations of resources that meet the eligible resource criteria and minimum requirements of the RFP. Respondents must

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		<p>conduct their own due diligence of land suitability and availability. As a general matter, PSE-owned land is occupied by PSE assets, thus availability is limited. Information about PSE-owned land is publically available through the County assessor/recorder/auditor's offices of the respective counties where property is located. A respondent who has conducted due diligence as to siting and permitting feasibility (including zoning and environmental considerations) for a particular energy project on PSE-owned land can contact PSE through the AllSourceRFPmailbox@pse.com. It should be noted that respondents must demonstrate a percentage of site control and that permitting for long lead-time studies has begun to meet the minimum requirements of this RFP (please see the non-price scoring rubric in Exhibit A).</p>
5/24/21	<p>Can you please explain what is meant by demonstrating a percentage of site control?</p>	<p>PSE's qualitative evaluation includes an assessment of a bidder's degree of site control, depending upon whether the resource is a transmission-interconnected project or demand-response (DR)/ aggregated distributed energy resource (DER). Please refer to Exhibit A of the RFP and the qualitative evaluation rubric, which shows scoring according to varying percentages of site control (page A-7). Note that a score of "0" would be disqualifying in this RFP. Guidance on the type of information that PSE would look for as evidence of site control is also provided in Exhibit A on page A-9.</p>
6/2/21	<p>Is there a particular contact within PSE's Facility Services or Property Management to teams that we should reach out to?</p>	<p>After consultation with PSE's Independent Evaluator ("IE") and our subject matter experts (SMEs), the RFP inbox has been designated as the proper channel for such questions. The RFP team will pass along your inquiries to the correct SMEs for follow up, which will also come back through the RFP inbox.</p>

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		<p>In general, PSE must be careful not to allow any one bidder to have PSE information that is not also available to all other bidders. This is to ensure that we comply with the Purchases of Resources rules (WAC 480-107) and enable the IE to ensure that the RFP process is conducted fairly, transparently and properly (WAC 480-107-023(a)).</p> <p>Depending upon the nature of your question, PSE may post the question and the response to the Updates and Notifications section of PSE’s RFP website (www.pse.com/rfp). PSE, in coordination with the IE, will determine anything that can or should be shared with the bidding community in an anonymous format. PSE will not include company names, project names, contact information or other identifying descriptors or proprietary information in any Q&A posted to the website.</p>
6/4/21	<p>Are the responses to previous All Source RFPs public information? If so, how would I access the bidders’ responses to previous PSE AS RFPs?</p>	<p>Bidder responses to prior All-Source RFPs are not public information. PSE executes a confidentiality agreement with each All-Source RFP bidder (see Exhibit C to the 2021 All-Source RFP). RFP proposals are subject to those agreements.</p>
6/4/21	<p>Other than the Mutual Confidentiality Agreement, due NLT September 1, 2021, are there any additional registration form requirements to establish my company as a potential bidder for the referenced RFP? I understand that Exhibit B will be required with any proposal submitted.</p>	<p>PSE does not require bidders to register ahead of time to be eligible to participate in the RFP. Please refer to Section 4 “Proposal Requirements” of the RFP that sets forth the proposal requirements and minimum qualifying criteria that proposals must meet in order to be considered in the RFP. To submit a proposal, bidders must establish an account on a dedicated intake website, which will be shared with all bidders when the final RFP is issued. PSE will consider proposals from bidders that submit by the deadline a complete proposal (Exhibit B),</p>

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		along with the required documents and bid fee, as outlined in Section 6 “Proposal Submission”.
6/4/21	<ol style="list-style-type: none"> 1) If Puget Sound Energy (“PSE”) seeks to recover a rate of return on a power purchase agreement (“PPA”) entered into through the Proposed All-Source Request for Proposal (“RFP”), please confirm that the Washington Utilities and Transportation Commission (the “Commission”) may decide not to authorize PSE any rate of return on the PPA? 2) If PSE seeks to recover a rate of return on a PPA entered into through the RFP, please confirm whether PSE would reject the bid and/or cancel the PPA if the Commission decided not to authorize PSE any rate of return on the PPA? If PSE would reject the bid or cancel the PPA, please explain how PSE intends to obtain a Commission decision prior to PPA execution, or how PSE would cancel the PPA after execution. 3) If PSE seeks to recover a rate of return on a PPA entered into through the RFP, please identify the factors and considerations that PSE expects that the Commission will consider when deciding whether to authorize PSE a rate of return on the PPA. 4) If the Commission authorizes PSE to earn a rate of return on the PPA, please identify the factors and 	<ol style="list-style-type: none"> 1) RCW 80.28.410(1) states, in pertinent part, as follows: Creation of such a deferral account does not by itself determine the actual costs of the resource or power purchase agreement, whether recovery of any or all of these costs is appropriate, or other issues to be decided by the commission in a general rate case or other proceeding. RCW 80.28.410(1) 2) PSE has not formed an opinion as to whether it would reject a bid and/or cancel a power purchase agreement if the Commission decided not to authorize PSE any rate of return on the power purchase agreement. Furthermore, PSE does not have an opinion as to any Commission procedure that would, or would not, give rise to the hypothetical posed in the question. 3) PSE declines to opine on what factors and considerations the Commission will consider when deciding whether to authorize PSE a rate of return on the PPA in a general rate case or other proceeding. 4) If the Commission were to authorize PSE to earn a rate of return on a power purchase agreement, PSE expects that the Commission will

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	<p>considerations that PSE expects that the Commission will consider when deciding what rate of return to authorize.</p> <p>5) Please confirm that a PPA bid will receive a lower score and be less likely to be selected if PSE includes a return on the PPA in the RFP, than if PSE does not include a return on the PPA in the RFP.</p>	<p>consider, at a minimum, whether such rate of return is consistent with RCW 80.28.410(2)(b), which provides as follows:</p> <p>(b) For the duration of a power purchase agreement, a rate of return of no less than the authorized cost of debt and no greater than the authorized rate of return of the electrical company, which would be multiplied by the operating expense incurred by the electrical company under the power purchase agreement.</p> <p>RCW 80.28.410(2)(b)</p> <p>5) PSE denies that a power purchase agreement bid would receive a lower score and be less likely to be selected if PSE includes a return on the power purchase agreement in the request for proposals, than if PSE does not include a return on the power purchase agreement in the request for proposals. The scores and ranking of bids received in response to a request for proposals process are relative in nature and result from the quantitative and qualitative rankings of each proposal. Given the relative nature of the scoring and ranking process, there is no reason to believe that a power purchase agreement bid would receive a lower score and be less likely to be selected if PSE includes a return on the power purchase agreement in the request for proposals, than if PSE does not include a return on the power purchase agreement in the request for proposals.</p>
6/15/21	<p>Was PSE's proposed market reliance reduction strategy factored into the capacity needs and available transmission at Mid-C?</p>	<p>Yes, PSE's capacity needs reflect the proposed market reliance reduction and incremental capacity needs. As listed in the RFP main document and Exhibit H, up to 1,000 MW of MIDC transmission can be used to deliver firm, day-ahead resources to satisfy capacity needs.</p>

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6/17/21	Does PSE have any existing network transmission rights with PacifiCorp?	Thank you for your inquiry and interest in PSE’s 2021 All Source RFP. PSE does not have any existing network transmission rights on the PacifiCorp system. We nonetheless look forward to receiving your proposal if it meets the requirements of the RFP.
6/24/21	Is PSE interested in storage resources that are not directly interconnected to PSE’s system? Is solar plus storage eligible for capacity credit at MIDCREMOTE? I understand that variable energy resources do not qualify and am interested in how you view solar plus storage.	Yes, PSE will consider storage resources that are not directly interconnected to PSE’s system, consistent with Exhibit H. A proposed resource, such as solar plus storage, that delivers to MIDCREMOTE and has the ability to shape supply and provide firm day-ahead scheduling is eligible to receive a capacity credit. Alternatively, a bidder may arrange to deliver the resource to BPAT.PSEI and also receive a capacity credit.
7/6/21	When will information be posted to RFP website on the Lower Snake River assets, and can PSE shed more light on the approach it will take with respect to those assets?	PSE is currently preparing the technical details and requirements associated with LSR development rights available for bidder use in the All-Source RFP. This information will be shared on PSE’s RFP website (www.pse.com/rfp) prior to the bidders’ conference on July 29, 2021, and a notification will be sent to interested parties once the information is available on the website. The bidders’ conference will include a discussion of the PSE assets available for bidder use, including certain LSR development rights, and an opportunity for bidders to ask questions. To register, visit the 2021 RFP Bidders’ Conference and Stakeholder Workshops section of the RFP website.
7/7/21	Can energy efficiency products bid into the All Source RFP?	Energy Efficiency resources are traditionally acquired through PSE’s Customer Energy Management (CEM) team which has a separate RFI and RFP process. The CEM process is specifically designed to meet established conservation program goals, and the conservation targets are established with input from the Conservation Resource Advisory

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		<p>Group (CRAG) and the Washington Utilities and Transportation Commission (WUTC). The CEM group recently closed an RFI and RFP process for energy efficiency for the 2022-2023 program year. We hope you were able to participate. The public links to those programs are provided below, which also include contact information. You can also contact Corey Corbett (Corey.Corbett@pse.com) regarding commercial efficiency programs or Patrick Weaver (Patrick.Weaver@pse.com) for residential efficiency programs.</p> <p>Notwithstanding the CEM process above, the All Source RFP is open to all commercially-proven, CETA-compliant resources. All proposals, regardless of resource type, will be evaluated against the same rubric and minimum requirements (see sections 2 and 4 of the RFP). Bidders are responsible for demonstrating how their project satisfies the minimum requirements, including the payment of a bid fee, and how their project helps PSE meet the identified resource needs.</p> <p>Energy Efficiency 2022-2023 Programs RFI Public Link: https://conduitnw.org/Pages/Article.aspx?rid=3715</p> <p>Energy Efficiency 2022-2023 Programs RFP Public Link: https://conduitnw.org/Pages/Article.aspx?rid=3741</p>
7/8/21	<p>Can PSE please publish the following exhibits in Word format?</p> <ul style="list-style-type: none"> • Exhibit C • Exhibit E • Exhibit F 	<p>Yes, PSE will post Microsoft Word versions of these documents alongside the PDF versions on its public website (www.pse.com/rfp). Please note that PSE is inviting edits and comments only to Exhibits E,</p>

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	<ul style="list-style-type: none"> • Exhibit G • Exhibit J 	<p>F, and G as part of the RFP process, and the company is under no obligation to agree to any changes to any of the documents.</p>
7/8/21	<p>If a bid holds all attributes of a project constant except the commercial operation date or a different term length (i.e. 15-year and 20 year PPA), are those considered additional offers under the same bid fee or does a separate bid fee need to be submitted? Is the PPA price allowed to change under the same bid fee? For example, would single bid fee cover the same proposal if a project were bid as a 15-year and 20-year PPA and the PPA price changed?</p>	<p>In the proposed scenario, a bidder would not need to submit a separate proposal and bid fee. An alternative commercial operation date or term length, with all other project attributes held constant, would be considered an alternative offer rather than a separate proposal. The same is true for a project with alternative PPA prices under different terms. Each proposal may include up to three offer configurations.</p> <p>When considering alternative CODs, please note that for capacity resources, deliveries must begin no later than December 31, 2026; and for renewable resources, deliveries must begin no later than December 31, 2025. If a project COD occurs after those dates, the bidder will be responsible for including interim firm supply arrangements to bridge the gap.</p>
7/12/21	<p>Do redlines on terms sheets have any impact on the qualitative scoring of the bid?</p> <p>What format would PSE like the redlines in for term sheets? For example, would you prefer an issues list or redlines directly in the document?</p>	<p>The qualitative scoring rubric will be applied in Phase 1 of the evaluation process. In Phase 2, PSE will assess proposed edits to the term sheets by screening for terms and conditions that present unreasonable or excessive risk to PSE or its customers. PSE will assess such risk on a pass/fail basis.</p> <p>If PSE determines that a proposal contains such unacceptable terms or conditions, the bidder will be given three business days to propose a remedy, consistent with the cure period allowed for the correction of other non-conforming criteria or fatal flaws. Term sheet redlines that pass the screening should not be deemed as having been accepted by</p>

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		<p>PSE in any subsequent negotiation with a shortlisted bidder; final terms will be determined through negotiations with selected counterparties. PSE reserves the right to suspend negotiations with any bidder and initiate discussions with an alternate Phase 2 candidate at its sole discretion and in the best interests of the Company and its customers.</p> <p>PSE does not have a strong preference as to the format of edits to the term sheets. Whether as redlines or as a separate issues list, bidders should be as clear and specific as possible, indicating where applicable the relevant provision(s) of the prototype terms sheets.</p>
7/12/21	<ol style="list-style-type: none"> 1. Is there registration required to access the Bidders Conference which will be held on 7/29/21? 2. Is the dedicated intake website is available? 	<ol style="list-style-type: none"> 1. Yes, registration is required for the bidders' conference. To register, please visit the 2021 RFP Bidders' Conference and Stakeholder Workshops section of the RFP website (www.pse.com/rfp). 2. A link to the dedicated intake website for the All Source RFP has been made available on the latest update to PSE's public RFP website (www.pse.com/rfp). Please note that bidders have unlimited access to submit and resubmit proposals during the RFP submission window. Bidders are encouraged to submit early to confirm that their proposal forms will be accepted by the automated system. Bidders will have until the due date to delete and resubmit forms and other supporting files from the portal. PSE will provide a live demonstration at the bidders' conference to show bidders how to submit a proposal and what to expect with the automated screening.

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7/12/21	<ol style="list-style-type: none"> 1. In Exhibit D, table 1 – Can you confirm these prices are nominal? If so, can you provide the underlying inflation assumption? 2. When evaluating bids, what carbon pricing curve do you assume? 3. Do you assume flat ELCC values going forward? And related, are the ELCC's being used to evaluate bids fixed or changing over time? If those are changing, please provide the assumed ELCC curve. 	<ol style="list-style-type: none"> 1. Yes, the prices in Table 1 of Exhibit D are nominal. Inflation is assumed at 2.5% 2. The carbon pricing curve used is consistent with per instructed by UTC docket-190730, and it uses US Government 2016 Technical Support Document 2.5% discount rate prices. The carbon prices that PSE used for modeling are available online: https://oohpseirp.blob.core.windows.net/media/Default/Reports/2021/Final/Appendix/AppH_Input_Carbon%20Price.xls A full description is also included in the 2021 IRP, Chapter 5, Key assumptions: https://oohpseirp.blob.core.windows.net/media/Default/Reports/2021/Final/05.%20IRP21_Ch5_032921.pdf 3. ELCC resource values do change over time. Please refer to the 2021 IRP, Chapter 7, figure 7-17, 7-18, 7-19, 7-20, and 7-21 of the 2021 IRP for the different ELCC values to be applied between 2027-2031 and 2031 and beyond as well as the ELCC saturation effects for similar resources from the same region: https://oohpseirp.blob.core.windows.net/media/Default/Reports/2021/Final/07.IRP21_Ch7_032921.pdf The modeling work for the RFP is built on the work done in the 2021 IRP. You can access the 2021 IRP at www.pse.com/irp.

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7/12/21	<ol style="list-style-type: none"> 1. Does a resource need to connect directly to a PSE substation in order to be selected for this RFP, or could we instead connect to a different utility? 2. Would power delivery to PSE through the BPA system, with an interconnection at BPA / Tacoma Power substation be acceptable to PSE for the purposes of this RFP? 3. If a proposed resource is selected, by what date must that resource have its interconnection application filed? Does a project need to have an application filed in order to be considered for this RFP? 4. Does PSE require generation developers to pay for the network upgrade costs associated with overloads of the existing transmission network caused by their project? If so, are the required upgrades determined on an N-0, N-1, or N-2 contingency basis? 	<ol style="list-style-type: none"> 1. Proposals may site their projects off PSE’s system and interconnect their projects to a non-PSE substation; however, bidders are responsible for arranging delivery to PSE’s system or one of the alternate delivery points identified in Exhibit H. 2. Yes, bidders may interconnect in Tacoma or deliver to Tacoma, provided that they arrange for delivery to PSE’s system, as mentioned above. 3. In order to qualify for the 2021 RFP, projects must have begun the interconnection process by September 1, 2021 and provide an interconnection queue number. Please see Section 4 of the All Source RFP, “Proposal Requirements, Minimum Qualifying Criteria. 4. Bidders are responsible for all interconnection and transmission costs required for firm delivery of energy on or to PSE’s system (or to an alternate delivery point identified in Exhibit H). Bidders should refer to the interconnection and OATT procedures of the host transmission provider and Balancing Area Authority for information on transmission network upgrade requirements and process. PSE’s OATT may be found on its OASIS website at http://www.oatioasis.com/psei.
7/13/21	<ol style="list-style-type: none"> 1. Would PSE be open to delivery on a conditional firm basis? 	<ol style="list-style-type: none"> 1. PSE will assign the highest value in the evaluation to long-term firm transmission. Bidders can also offer alternative firm transmission arrangements including long-term conditional firm transmission or a combination of long-term and short-term

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	<p>2. Would PSE be willing/able to redirect transmission rights to a project POI outside of the locations PSE references in exhibit H?</p> <p>3. Will PSE allow Dynamic Transfers (pseudo tie or dynamically scheduled resources)?</p>	<p>transmission. Such proposals will receive capacity credit only for that portion of the resource delivered on long-term firm transmission. Additionally, PSE would address any potential delivery risks for the portion of the resource not using long-term firm transmission in its evaluation of the proposal and in contract terms, should the proposal advance to that stage.</p> <p>2. Exhibit H lists the transmission rights that PSE is making available to bidders in this RFP. PSE does not plan to make any other transmission rights available to bidders in this RFP. Bidders can propose alternative POI/PORs as part of a transmission plan using those transmission rights (not including Mid-C or COI transmission), and PSE would consider such proposals on a case-by-case basis.</p> <p>3. Bidders may propose projects that could be pseudo-tied or dynamically scheduled; however, please note that the 2021 RFP requires delivery of as-generated renewable energy on a firm hourly schedule. None of the minimum requirements of this RFP should be interpreted to limit the operational scheduling arrangements a generator can enter into with its host balancing authority. During or after final contract negotiation, PSE may evaluate its ability to pseudo tie or dynamically schedule resources if doing so provides a cost advantage or operational benefits relative to third party balancing. For information on the pseudo tie and dynamic schedule business practices of PSEI</p>

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		<p>(PSE’s transmission function), please refer PSE’s OASIS page at http://www.oatioasis.com/psei/</p>
7/14/21	<p>If our project is not successful in the 2021 All-Source RFP, can we use our project to participate in PSE’s “Green Direct”? Could you share more information on this program?</p>	<p>Participating in the 2021 PSE All-Source RFP, either during the submission or evaluation stages, would not prohibit your participation in a future PSE Green Direct RFP, should one were to be issued in the same timeframe.</p> <p>PSE will be issuing a Request for Information in support of its Green Direct project by the end of July. The RFI results will inform future rounds of the Green Direct product offering to PSE commercial and governmental customers. Project developers who are responding to the All Source RFP are also welcome to provide a response to the RFI for Green Direct.</p> <p>For more information on Green Direct, whether as a supplier or purchaser of renewable energy credits (“RECs”), you may contact the manager of PSE’s Green Power Program, Tyler O’Farrell, at tyler.o'farrell@pse.com.</p>
7/15/21	<ol style="list-style-type: none"> Can you provide more context on the 1752 MWh per installed MW value for BESS base configuration? Is this in addition to the 60 cycles also mentioned in Table 5? A 4-hour system would cycle more than 365 times a year. Is there an implicit duration assumed? From the point of delivery to ultimate load, who takes on curtailment risk and do they have any 	<ol style="list-style-type: none"> The 1,752 MWh value is informed by the 2021 IRP dispatch modeling assumptions for stand-alone batteries in the long term capacity expansion model. The 2 cycles/day, 60 days/year base configuration is used to represent possible dispatch of the resource during high load winter peaks. The total annual dispatch of 1,752 MWh includes the 2 cycles per day and 60 days per year as part of the base configuration. The purpose of the base configuration is to allow PSE to perform a consistent evaluation of battery proposals on the basis of one identical use case. Bidders

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	<p>projections we can look at? Can PSE please confirm that curtailment is at the POD and that seller can sell energy and green attributes during such curtailment events in cases where curtailment is not for economic reasons on PSEs system (Exhibit G seems to imply sales only during economic curtailment events)?</p> <p>3. When will PSE know the date for the ELCC conference in August and the agenda?</p>	<p>are also free to propose two alternate configurations with operating characteristics they feel best balance costs and performance of their project.</p> <p>2. PSE does not have curtailment projections to share and considers this to be part of the bidders' own due diligence. Exhibit G is not meant to imply that that the sale of energy could only occur during economic curtailment events. The terms sheets are intended to identify certain, but not all, of the elements of a potential transaction and serve as the basis for a final contract. Bidders should view the term sheets as presenting provisions that PSE generally expects in a contractual arrangement and are invited to propose edits with their bid submissions, which PSE may evaluate and consider in a final contract negotiation.</p> <p>3. PSE is continuing to work on finalizing the scheduling for the ELCC workshop and expects to share this information at the bidders' conference on July 29, 2021 as well as on its public RFP website (www.pse.com/rfp)</p>
7/15/21	<p>1. Is there a deadline for participants to submit all of their Q&A's? If so, is there a deadline by which PSE will respond to all outstanding Q&A's?</p> <p>2. Do the storage requirements detailed on pages 14-16 of PSE's main RFP document apply to hybrid solar+storage projects or only to standalone storage projects? Specifically the requirements of</p>	<p>1. In general, there is no deadline to submit questions. For questions to be addressed at the bidders' conference, bidders are encouraged to submit questions as far in advance of the July 29 conference date as possible ahead to PSE's AllSourceRFPmailbox@pse.com. Any questions that cannot be addressed during the conference due to time constraints will be subsequently taken up through the AllSourceRFPmailbox@pse.com, PSE will work to respond to</p>

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	<p>2 cycles per day 60 days per year and 1,752MWh of annual discharge per installed MW?</p> <p>3. Can you help clarify the 2 cycles per day 60 days per year and 1,752MWh of discharged energy per installed MW requirements? By our math, taking for example a 1MW, 4MWh BESS: 60 days of 2, full cycles per day activity would yield 480MWh of discharged energy, leaving 1,272 MWhs of energy to be discharged over the remaining 305 days in the year – which would be ~ 1.04 cycles/day on each of those 305 days. Is it PSE’s desire to have 4hr duration BESS proposals that can accommodate 2 cycles per day 60 days per year and 1.04 cycles per day 305 days per year? Would PSE prefer to have more than 60 days of 2 cycles per day, with the remaining days being only 1 cycle per day? Would PSE prefer slightly longer duration BESS such that 2 cycles per day for 60 days and 1 cycle per day for 305 days worked out to 1,752MWh per year per installed MW? Would PSE be willing to share how it derived the 1,752MWh per year per installed MW figure?</p> <p>4. Footnote 25 of page 15, PSE’s list of example top-tier manufacturers, does not include Panasonic, CATL or Flexgen. Would PSE consider those</p>	<p>questions within 5-7 business days and in the order they are received.</p> <p>2. The base configuration only applies to stand-alone battery systems. Bidders should include expected dispatch and charging characteristics for hybrid (storage + wind/solar resources).</p> <p>3. The 1,752 MWh value is informed by the 2021 IRP dispatch modeling assumptions for stand-alone batteries in the long term capacity expansion model. The 2 cycles/day, 60 days/year base configuration is used to represent possible dispatch of the resource during high load winter peaks. The total annual dispatch of 1,752 MWh includes the 2 cycles per day and 60 days per year as part of the base configuration. The base configuration is a minimum configuration, and bidders may add longer duration storage if it meets the same minimum. In the given example, 1 MW 4MWh, 1 MW 6MWh, and 1 MW 8MWH would all meet the base configuration for evaluation, and possibly have different ELCC and economic benefits. The purpose of the base configuration is to allow PSE to perform a consistent evaluation of battery proposals on the basis of one identical use case. Bidders are also free to propose two alternate configurations with operating characteristics they feel best balance costs and performance of their project.</p> <p>4. The list of manufacturers on p. 15 is not an exhaustive list, but rather provides examples of top-tier manufacturers for bidder guidance. Whether or not manufacturers / integrators are named</p>

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	companies top-tier battery manufacturers / integrators?	or not named in that list, bidders are encouraged to provide in their proposals the reasoning they selected their manufacturers / integrators and how those companies provide both a competitive advantage over their peers and how they will reduce the risk to PSE and our ratepayers over the life of the project proposal.