

PacifiCorp 2022 All Source RFP - Questions and Answers

As of : March 10, 2023

Q&A ID #	Date Q&A Submitted	Website Response Posting Date	Interpreted Primary Q&A Topic	Question	PacifiCorp Response
1	11/15/2021	11/19/2021	Battery Storage	Related to the exclusion of DC-coupled solar = battery storage resources from the RFP, the RFP currently only allows AC-coupled hybrid resources. Could you please provide a rationale for this exclusion in light of the significant cost savings, recapture of clipped energy and other synergistic benefits of deploying hybrid resources in a DC-coupled setting?	CORRECTED 12/29/2021 - Due to CAISO metering requirements and the lack of utility-grade, ANSI-approved revenue-quality AC-meters not being available at the current time, potential contractual complications associated with the distributed nature of DC AC-coupled battery systems, and PacifiCorp's goal of managing the dispatch of energy storage, PacifiCorp will accept only AC-coupled collocated battery systems in this RFP. PacifiCorp may lift the restriction in the future as metering technology and standards further evolve. Different developers have proposed AC-coupled systems that are cost competitive and many see the construction and operational benefit of a central battery storage system that AC-coupled systems afford.
2	11/11/2021	12/30/2021	Cluster Study	PacifiCorp's OATT identifies the requirements for projects to apply for an Generation Interconnection, and one of Readiness Milestones is to have a path to a commercial solution. Section 38.4.1(v) of the OATT gives the examples of these milestones. Is the intent to broaden the interpretation in 38.4.1.(v)(c) of "reasonable evidence that the Generating Facility has been selected in a Resource Plan or Resource Solicitation Process..." to allow anyone who confirms their intent to bid into the RFP into the Cluster Study. Or will the bidders be required to pay the deposit of \$3k/MW of generation to be allowed into the Cluster Study if they are not able to meet any of the other commercial readiness milestones?	Bidders proposing projects that will interconnect to PacifiCorp's transmission system are required to follow the application requirements set forth in PacifiCorp's OATT, including requirements for cluster study eligibility. Any specific questions regarding PacifiCorp's cluster study eligibility requirements should be directed to PacifiCorp Transmission in connection with the Bidder's interconnection application.
3	11/19/2021	12/30/2021	Scoring	Question regarding the Minimum Eligibility Criteria: 1. In reference to item #18 on slide #34 of the scoring and modeling slides, this item reads: "Ability to meet and compliance with safety standards." a. Question proposed: Can PacifiCorp clarify how they will verify that the bidder has met all compliance and safety standards?	It is the Seller's responsibility to abide by all local, state and federal safety guidelines. PacifiCorp requires all BTA bidders to abide by those guidelines and has added safety and contractor expectations documents in its 2022AS RFP Appendix A technical specifications that BTA bids must comply with. PPA bidders are also expected to abide by such standards. The minimum criteria provide PacifiCorp with a mechanism to question bidder's eligibility in the event safety concerns arise.
4	11/19/2021	12/30/2021	Scoring	Question regarding the Non-Price Scoring - Bid Submittal Completeness Criteria: 1. In reference to section I, Appendix P on slide #35 of the scoring and modeling slides: Question proposed: Can PacifiCorp clarify if the Equity Questionnaire will be required for all bidders for projects not only in Washington state?	The Equity Questionnaire will be requested of all bidders.
5	11/19/2021	12/30/2021	Scoring	In reference to section I, on slide #35 of the scoring and modeling presentation, this item reads: "Cultural Studies (BTA)" a. Question proposed: Can PacifiCorp clarify if the Cultural Studies (BTA) will include outreach and relationships with the Indigenous communities in which the projects will reside?	It is the Seller's responsibility to abide by all local, state and federal guidelines with respect to stakeholder engagement and cultural resources and cultural studies. PacifiCorp requires all BTA bidders to abide by those guidelines.
6	11/19/2021	12/30/2021	Scoring	In reference to section III on slide #37 of the scoring and modeling slides, this item reads: "Bidder has experience with (developing, constructing and/or operating) the same technology as being proposed.": a. Question proposed: Can PacifiCorp clarify how they will verify previous experience with the requested line item?	The 2022AS RFP Appendix B-2 includes informational requirements that bidders must include in their bids, including project references and description of the bidder's experience.
7	11/19/2021	12/30/2021	Scoring	In reference to section III on slide #37 of the scoring and modeling slides, this item reads: "Proposal meets PacifiCorp's supplier diversity goals: https://www.pacifiCorp.com/suppliers/supplier-diversity.html ." a. Question proposed: Can PacifiCorp clarify how they will verify that a bidder has met these expectations?	Bidders are invited to provide one free bid alternative assuming a different diversity strategy. The states of California and Washington each have organizations which certify diversity-owned businesses within the state for the purposes of meeting those state requirements, and in Washington, bidders are eligible for certain tax credits subject to using certified suppliers and the review and verification by the state. Oregon HB2021 requires bidders provide an attestation or project labor agreement to the Oregon department of energy (ODOE). PacifiCorp's 2022AS RFP pro forma PPA and Professional Services Contracts both include monthly reporting requirements.

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8	11/5/2021	12/30/2021	Scoring	<p>It appears the 2022AS RFP will be released 4/1/22 and bids are due 12/13/22. Since only shortlisted bidders are allowed to enter the PacifiCorp interconnection queue, does that imply that shortlists will occur in early 2023, prior to the queue window of 4/1/23 - 5/15/23?</p> <p>I was under the impression that the 2022AS RFP could furnish interconnection queue entry by April/May 2022, but the schedule suggests it is instead April/May 2023.</p>	Bidders proposing projects that will interconnect to PacifiCorp's transmission system are required to follow the application requirements set forth in PacifiCorp's OATT, including requirements for cluster study eligibility. Any specific questions regarding PacifiCorp's cluster study eligibility requirements should be directed to PacifiCorp Transmission in connection with the Bidder's interconnection application." It is incorrect that only shortlisted bidders are allowed to enter PacifiCorp's interconnection cluster study. Interconnection cluster study eligibility requirements are set forth in PacifiCorp's OATT.
9	12/7/2021	12/30/2021	Technology	I represent a startup that has a new geothermal technology for battery storage projects. Would this use follow under your proposed 2022 RFP's	Yes. The 2022AS RFP will be an "all source" RFP.
10	12/7/2021	12/30/2021	Transmission	Regarding your January 7, 2022 workshop presentation: On Slide 7: #3, second bullet- Bidders are requested to be studied for ERIIS and NRIS. Please confirm your statement made on the workshop call that this is just a request for PacifiCorp's information gathering exercise and not a requirement and that bidders will not be subject to a scoring penalty if they have not been studied for both or if they've moved past the stage in the interconnection process where the customer has to make a definitive selection.	Yes, that is correct.
11	3/31/2022	5/25/2022	Transmission	Will PacifiCorp accept a completed Surplus Interconnection Service study as "a completed interconnection study," which is required for the RFP but is not defined?	Yes, a PacifiCorp surplus interconnection service study is an eligible form of interconnection documentation.
12	4/5/2022	5/25/2022	Transmission	Please confirm that for a off-system bid utilizing BPA firm PTP transmission service will not be required to submit into PacifiCorp Cluster.	Off system resources are not required to go through PacifiCorp's interconnection cluster study process.
13	4/5/2022	5/25/2022	Geography	Please confirm that PacifiCorp will take power at any POD associated with BPAT.PACW for off-system bids.	Yes. Note that a request may require transmission service from third party transmission provider and as such documentation showing deliverability to PacifiCorps system will be required, refer to response to Q&A ID #15.
14	4/5/2022	5/25/2022	Geography	Are there any preferred PODs?	PacifiCorp does not have preferred PODs.
15	4/5/2022	5/25/2022	Transmission	Will we need proof of CONFIRMED long-term firm TSRs to PacifiCorp's system? What about bridge conditional firm to PACW system?	Yes. The minimum eligibility requirements for off-system bidders include documentation of the availability of, and request for, long-term, firm point-to-point transmission service from the resource's point of interconnection with the third-party's transmission system to the bidder's designated point of delivery on PacifiCorp's system. Such identified arrangements must reasonably demonstrate that the full proposed output of the resource, as identified in the bid, can be delivered by the proposed online date. Conditional firm is not considered as long-term firm service.
16	5/4/2022	5/25/2022	Transmission	If the POI is within PACE or PACW, do we still need to show PTP transmission rights?	No. For projects interconnecting to PACE or PACW, PacifiCorp will request network integration transmission service to deliver the output to load.

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17	5/4/2022	5/25/2022	Transmission	How strict is the requirement to have TSRs for 100% of the capacity of the bid? Is PAC interested in scenarios where complimentary resources [say wind and solar] share ATC transmission to reduce costs?	For off-system bids (resources interconnecting to a 3rd party transmission system in order to deliver power to a PacifiCorp Transmission Point of Delivery) they must provide evidence of firm point-to-point transmission rights sufficient to deliver the full output of the project to PacifiCorp's transmission system. For more information with respect to eligibility requirements related to interconnection and transmission, please see the RFP Main Document, Section 5, E and the May 4, 2022 Transmission and Interconnection workshop slides: https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/suppliers/rfps/pacificorps-2022-all-source-request-for-proposals/PacifiCorp_2022_All-Source_RFP_-_Interconnection_and_Transmission_Workshop_05-04-2022.pdf The answer to second question is "No."
18	5/4/2022	5/25/2022	Transmission	If a re-study is triggered on a cluster study and that re-study is subsequently posted AFTER bids are due (which is likely given the schedules), what does that mean for affected bidders in this RFP process? Would there be an opportunity to re-fresh bids based on re-study results?	There will not be an opportunity to re-fresh bids based on re-study results.
19	5/4/2022	5/25/2022	Geography	Is the Craig Colorado substation considered in PacifiCorp's system?	Craig Colorado is not considered to be in PacifiCorp's transmission system.
20	5/4/2022	5/25/2022	Transmission	Can utility-scale projects request interconnection at 69kV substations?	Yes.
21	5/4/2022	5/25/2022	Transmission	If the POI is on a transmission line that shares rights between PAC and a third party, and you have interconnection studies from the third party, do you still need evidence of point to point transmission service? In this case the third party POI and the PAC POD are the same, and the POI is within PAC's balancing authority.	Yes, a resources located on a transmission line that shares rights between PacifiCorp and a third party which has the interconnection studies from the third party is required to provide evidence of firm point-to-point transmission service to a PacifiCorp POD. For the avoidance of doubt, a resource located on a transmission line with shared rights between PAC and a third party has two options: 1) provide an interconnection study/agreement with the 3rd party transmission system provider along with evidence of firm point-to-point transmission rights sufficient to deliver to a PacifiCorp POD or 2) provide an interconnection study/agreement from PacifiCorp Transmission.
22	5/4/2022	5/25/2022	Transmission	In building a schedule based off PAC's interconnection process timelines, would PAC consider delaying LGIA execution date until after final shortlist is announced?	No.
23	5/4/2022	5/25/2022	Transmission	To apply for interconnection, how much % of the project site should the project have secured? Is there some leniency on not having 100% of land secured in time for interconnection application deadline? We have lease option fully secured for 85% of the project site now and are executing lease option for the remaining and may not have them fully signed by May 15th.	Bidders with interconnection questions should contact PacifiCorp Transmission with specific questions related to interconnection study requests. https://www.pacificorp.com/transmission/transmission-services.html
24	5/4/2022	5/25/2022	Transmission	As a part of application submission, do we need to submit PSCAD models too? and does PSSE dynamic model version 33 submission is fine for submission?	See response to Q&A ID #23.
25	5/4/2022	5/25/2022	Transmission	In case of withdrawal after the SIS report has been delivered how much could be the penalty?	PacifiCorp assumes the question relates to proposed on-system projects (i.e., those proposing to interconnect to PacifiCorp's transmission system) and is referring cluster study reports. For information on PacifiCorp Transmission's cluster process withdrawal penalties, please refer to Section 38.7 of the PacifiCorp OATT. Bidders with interconnection questions should contact PacifiCorp Transmission with specific questions related to interconnection study requests. https://www.pacificorp.com/transmission/transmission-services.html .
26	5/4/2022	5/25/2022	Transmission	Is it fair to say that the withdrawal penalties may exceed the IR fee deposit paid?	See response to Q&A ID #25.

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27	5/6/2022	5/25/2022	Other	What is the date you will notify ISL shortlist?	There is no initial shortlist (ISL) in the 2022AS RFP. For more information on the evaluation and selection process, please see the RFP Main document, Section 6 or the 2022AS RFP Bidder Conference slides.
28	5/6/2022	5/25/2022	Other	Is there a link for Wednesday's interconnection session materials as well?	Yes, the link is here, https://www.pacificorp.com/suppliers/rfps/2022-all-source-rfp.html
29	5/6/2022	5/25/2022	Other	Is it possible that PacifiCorp's benchmark resources may be selected to meet 100% of this RFP need? Are there maximums or minimums in place for Benchmark vs. third party bids acceptances?	There is nothing in the RFP limiting the percentage of benchmark resources which may be selected to the final shortlist.
30	5/6/2022	5/25/2022	Transmission	Can you please share the link where we need to submit our interconnection application? or should we send it via email? if so, please share the email address for the same.	Email applications to GIApplications@pacificorp.com
31	5/6/2022	5/25/2022	Other	Can you repeat the onsite monitoring / met station requirements for solar projects? Given the amount of data required, would a met station have to have been installed by now?	For requirements to bid, see Appendix C-3. For ongoing operational requirements under a PPA, see Appendix E-2, Exhibit O.
32	5/10/2022	5/25/2022	Other	Are recordings of the RFP interconnection and bidders conference from last week available?	Recordings are not available. The presentation materials are available here: https://www.pacificorp.com/suppliers/rfps/2022-all-source-rfp.html
33	5/10/2022	5/25/2022	Transmission	Can you please confirm if projects that do not have a completed interconnection study will be disqualified? Does the same criteria apply to BTA submissions? We have several early stage projects that we are shoring up and are not ready to submit into the study queue by 5/15, but we expect the projects to achieve COD by 12/31/2025.	All bids must include a completed interconnection study by the applicable interconnection provider (PacifiCorp Transmission or the applicable third-party transmission provider). A bid which does not have a completed interconnection study will not meet the minimum eligibility requirements and be disqualified. This same criteria applies to BTAs.
34	5/16/2022	5/25/2022	Other	Can you please confirm whether questions and comments submitted via RFP mailbox are held confidential or whether they will be shared with other potential bidders on Pacificorp's RFP website or otherwise? We would like to ask some questions and submit comments that may be commercially-sensitive and may reveal bid strategy, project features to other bidders and competitors.	The RFP mailbox questions and responses will be posted publicly to our website. If you wish, you may frame your questions generically, understanding they will be posted publicly. If a potential bidder has a question that it believes is something of confidential nature you are, bidder is welcome to contact the RFP independent evaluators (IEs).
35	5/20/2022	5/25/2022	Other	Can you please clarify what the timing is for response to this RFP ("Demand Response Request for Proposals PacifiCorp")? The schedule included therein relates to the RFP issued in February 2021.	The 2022AS RFP is an all-source (all resource) RFP. Demand response bidders should follow the same milestone schedule as found in the RFP Main Document Section 3A and noted in footnote 21 of Appendix Q 1.01 with notice of intent to bid due on November 17, 2022 and bids due on February 14, 2023. As described in the Main RFP Document, demand-side resources will be evaluated according to Appendix Q – 2021 Demand Response RFP - Requirements for Demand-side Bids. For the purposes of the 2022AS RFP, demand-side resources are asked to follow a similar process and complete similar documents as the 2021 Demand Response RFP, however, the schedule in Appendix Q, including the February 2021 date, is no longer applicable.
36	5/31/2022	6/17/2022	Resource Types	Per Section 1.C. would an existing Qualifying Facility with the following characteristics be eligible to bid into the RFP? 1) It is less than 5MW nameplate capacity 2) It is currently interconnected to and delivering energy to Pacific Power in Oregon 3) It has an existing QF contract that ends before December 31, 2025 4) It could sell power to Pacific Power under a new contract at its existing interconnection point beginning January 1, 2026	Yes, consistent with RFP Main Document, Section 1. C. To clarify, the agreement that would be negotiated, if the project was a winning bid in this RFP, would not be a QF PPA under PURPA, but be negotiated in reference to the applicable RFP pro forma PPA (Appendix E-2). Please discuss with PacifiCorp Transmission prior to bid submission whether there would be any interconnection modifications necessary when converting from a state-jurisdictional QF interconnection to a non-QF interconnection subject to federal jurisdiction.

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37	5/31/2022	6/17/2022	Resource Types	Following Q&A ID #36, if such a facility was eligible to bid into the RFP, would Pacific Power or the independent evaluator consider the utility's obligation to comply with AR622 in its evaluation of bid prices?	The 2022AS RFP is an all-source (all resource) RFP, approved by three states to identify system supply following the 2021 IRP. Consistent with RFP Main Document, Section 6. G, state specific requirements will be considered following the identification of a final shortlist for system supply. Additional resources may be considered to meet state specific regulations, such as AR 622.
38	6/9/2022	6/17/2022	Resource Types	For a project proposing to utilize the surplus interconnection concept, will the related proposal(s) be required to include a completed surplus interconnection study or will the fact that the proposed project utilizes an existing interconnection agreement satisfy the requirements of the RFP? Will PacifiCorp require surplus interconnection project proposals to include any unique information that is specific to surplus interconnection projects?	Any project proposal that relies on the availability of surplus interconnection service must include in its bid a surplus interconnection study. For projects considering surplus interconnection service for a project connected to PacifiCorp's transmission system, please refer to Section 38.3 of PacifiCorp's OATT and PacifiCorp Transmission's related business practice (BP #80) available on OASIS.
39	8/29/2022	10/13/2022	Demand-side resources	A Virtual Power Plant (VPP) might be a combination of Demand Response (both residential and C&I - across multiple program/asset types), BTM battery storage, and EV chargers. Based on the resource categories provided in the AS RFP, does this fit best into a DR response?	The VPP describes appears to be a demand-side resource. Consistent with Section 2 of the main RFP document, demand-side resources will be evaluated according to Appendix Q – 2021 Demand Response RFP - Requirements for Demand-side Bids. For the purposes of the all-source RFP, demand-side resources are asked to follow the same process and complete the similar documents as the 2021 demand response RFP. Consistent with Section 1.C of the main RFP document, proposed resources must be individually metered and remotely monitored. Demand-side bids must be able to comply with the Communications and Metering section of Appendix Q-1.01.
40	8/29/2022	10/13/2022	Demand-side resources	The AS RFP seems a bit conflicting on submitting DR proposals. Can you confirm whether proposals should be submitted based on the information in Appendix Q or wait for a Demand-side Voluntary Targeted RFP to be released by 8/31?	PacifiCorp did not issue a voluntary targeted demand-side RFP in August 2022. As indicated in its 2022AS RFP, PacifiCorp stated that it "may pursue" a voluntary targeted demand-side RFP in August 2022. PacifiCorp has not identified any specific needs that would require PacifiCorp to pursue such a voluntary targeted demand-side RFP in August 2022, and this is reflected in the revised schedule on the 2022AS RFP website. Interested demand-side bidders may submit a bid to the 2022AS RFP by following Appendix Q. All demand-side bids are due February 14, 2023, the market bid deadline.
41	8/29/2022	10/13/2022	Demand-side resources	If proposal is submitted based on Appendix Q, does the All-Source bid fee apply (\$15k for proposals over 5MW)?	Consistent with Section 3.G of the Main RFP document, all bidders into the 2022AS RFP are subject to applicable bid fees. Bidders proposing resources greater than 5 MW, including Benchmark bids, must pay a \$15,000 bid fee for each base bid proposal. All bidders proposing resources less than or equal to 5 MW must pay a bid fee of \$1,000 per MW for each base bid proposal. In the event a DR bidder proposes a resource which overlaps or duplicates PacifiCorp's existing or planned contractual commitments, and therefore is ineligible for consideration, the bid fee will be refunded before the commencement of the evaluation and selection process.
42	8/29/2022	10/13/2022	Demand-side resources	If a VPP proposal is submitted based on Appendix Q, should we use Appendix Q-1.02 for pricing rather than Appendix C-2?	Correct. A VPP proposal based on Appendix Q should use Appendix Q-1.02 for pricing rather than Appendix C-2.
43	8/29/2022	10/13/2022	Demand-side resources	Would the PPA credit assurance requirements (\$200/kw, and then \$100/kw after COD) apply to a VPP proposal if submitted as a DR proposal?	A VPP proposal should consider the Professional Services Contract in Appendix Q-1 rather than the Power Purchase Agreements in Appendix E-2.
44	9/13/2022	10/13/2022	BESS	Would PAC merchant acquire transmission services to charge a BESS resource or are we expected to acquire a non-firm transmission service to demonstrate the ability to charge from the grid on an 'as-available' basis. The proposed facility is directly connected to PacifiCorp	With respect to transmission services to and from an energy storage resource, consistent with Appendix E-3 Tolling Agreement pro forma documents provided with the 2022AS RFP, in Section 4.2, following the execution of a tolling agreement, PacifiCorp will submit an application to the Network Service provider to provide transmission services for the purposes of charging and discharging the energy storage resource.

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45	9/20/2022	10/13/2022	BESS	Will PAC accept a tolling agreement for a co-located BESS not on PAC's system, or if we are bidding a BESS that doesn't interconnect to PAC, we must bid a combined Solar & BESS PPA price? [The RFP states: Tolling Agreements for standalone storage resources interconnecting with third-party systems will not be accepted. So I wanted to confirm if this applies to solar + storage projects].	PacifiCorp will not accept a tolling agreement for stand-alone BESS not on PAC's system. PacifiCorp will accept off-system bids for co-located solar and energy storage; however, such off-system resources will be valued as non-dispatchable resources.
46	9/20/2022	10/13/2022	Agreements / Contracting	Will PAC entertain redlines to the confidentiality agreement?	Along with the notice of intent to bid ("NOI") response, bidders may request redlines to the confidentiality agreement, which PacifiCorp may or may not accept.
47	9/23/2022	10/13/2022	Transmission	Does PacifiCorp have preferred PODs for off-system resources?	PacifiCorp does not have preferred points of delivery for off-system resources.
48	9/20/2022	10/13/2022	Transmission	Is interconnection to Colstrip Transmission System treated the same as the answer to question #21?	Yes. Although the Colstrip Transmission System is jointly owned by PacifiCorp, NorthWestern Corporation ("NorthWestern"), Puget Sound Energy, Inc., Avista Corporation, and Portland General Electric Company, NorthWestern coordinates the interconnection process with both the Interconnection Customer and the four Colstrip Transmission Owners. Accordingly, any interconnection studies would be issued by NorthWestern, not by PacifiCorp Transmission. Under such circumstances, the bidder would need to provide an interconnection study/agreement with the 3rd party transmission system provider (issued by NorthWestern for the Colstrip Transmission System) along with evidence of firm point-to-point transmission rights sufficient to deliver to a PacifiCorp POD.
49	9/20/2022	10/13/2022	Agreements / Contracting	Request for Word versions of the contract documents (PPAs, BTAs, Tolling Agreements etc.) to facilitate redlines and comments on the agreements?	Word versions of the pro forma contractual documents have been added to the 2022AS RFP website.
50	10/10/2020	11/1/2022	Other	We are looking for clarification regarding the bidding process and whether bidders are required to submit a benchmark bid by Nov 21, 2022 or whether only a market bid can be submitted before the Feb 14, 2023?	Benchmarks are defined in Section 1.C of the main RFP document as bids proposed by the utility. Benchmark bids by the utility are due December 9, 2022, while market bidders have a bid deadline of Feb 14, 2023.
51	10/18/2022	11/1/2022	Agreements / Contracting	Can we use a Confidentiality Agreement that was executed for the 2020 RFP or do we need to execute a new Confidentiality Agreement for the 2022AS RFP?	A new confidentiality agreement will be needed for the 2022AS RFP.
52	10/12/2022	11/1/2022	Resource Types	For a standalone storage project with multiple non-contiguous sites, can the supplier bundle the sites into one proposal, or should they be separated?	Consistent with the bid variant table in Section 3.G of the main RFP document, multiple project sites may be bid as individual Bids or as a combined Bid, subject to the conditions in that provision. A combined bid can only have one point of interconnect (POI) and/or point of delivery (POD).
53	10/12/2022	11/1/2022	Resource Types	If BESS sites are bundled into one proposal can PAC select specific sites from an RFP bid (a la carte) or will this be an all or nothing option?	Consistent with the bid variant table in Section 3.G of the main RFP document, multiple project sites may be bid as individual Bids or as a combined Bid; however, contingent Bids are not allowed. The RFP team will consider and either pick or not pick a combined Bid. If an individual Bid is also offered subject to the requirements of the RFP including bid fees, PacifiCorp will pick either the individual bid or the combined bid, but not both. If a second bid is offered that is contingent on the first being selected, it is then a contingent bid and not allowed.
54	10/12/2022	11/1/2022	Resource Types	Within a base bid, can we alter the number of sites? Or do we need to keep the same number of sites / facilities for each alternative within a base bid?	Consistent with Section 3.I of the main RFP document, Minimum Eligibility Requirements for Bidders, number 7, bidders must provide a firm offer through the bid validity date. Within a base bid where multiple sites are combined to make one bid (at a single point of delivery and/or point of interconnect), the individual sites and facilities may not be changed. If a different combination of sites / facilities is bid, then it would require a second/additional base bid subject to applicable bid fees.

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55	10/12/2022	11/1/2022	Resource Types	For a BESS project with multiple sites, do we need to list each individual site in the NOI form?	Yes, the individual sites should be listed in the NOI.
56	10/12/2022	11/1/2022	Transmission	Would PAC merchant acquire transmission services to charge an on-system BESS resource or are we expected to acquire a non-firm transmission service to demonstrate the ability to charge from the grid on an 'as-available' basis?	See #44 above.
57	10/12/2022	11/1/2022	Resource Types	Can we add storage as a reduced-price alternative to a wind or solar bid or do we need submit a separate base bid if we are adding storage to a site / project?	Consistent with the bid variant table in Section 3.G of the main RFP document, under "Technology," a Bid may include multiple collocated technologies; however, the bid package and bid documents for each Bid (including capacity size, layouts, resource estimates, Appendix C-2s, interconnection studies etc.) must be consistent with the Bid and clearly articulated. A base bid fee is required for each technology type variation.
58	10/12/2022	11/1/2022	Other	Are bid structures submitted to the NOI binding or can we make changes to base bids and alternatives for the RFP submittal? For example, can we add proposals to an asset to our bid submittal that were not included in the NOI submittal?	The NOI is non-binding; bidders may change base bids and alternatives prior to the bid deadline.
59	10/12/2022	11/1/2022	Transmission	Will we receive the results of the cluster study before the NOI deadline?	The PacifiCorp RFP team expects the results of PacifiCorp's Transmission Cluster Study 2 to be complete by November 12, 2022. Please see PacifiCorp Transmission's Open Access Transmission Tariff (OATT) for more details on the timing of cluster study results.
60	10/25/2022	11/1/2022	Other	Can you please confirm that Appendix A-1.1 - 1.6, Appendix A-4.1 and 4.2, and the entire Appendices under A-7 are relevant only to BTA bids.	Appendix A-1.1 - 1.6, A-4.1, A-4.2, and A-7 are informational but not required of PPA bids.
61	10/12/2022	11/1/2022	Other	Is evidence of site control required for the RFP bids? If so, is there an acreage requirement?	Consistent with the Main RFP document, Section 3.I number 32, bidders must provide "documentation of binding, exclusive site control for the project including the facility but excluding right-of-way or easements for interconnection, transmission or roads." There is no acreage requirement; however, evidence of site control should be consistent with and sufficient for the bid resource.
62	10/12/2022	11/1/2022	Other	Will PacifiCorp provide bidders an opportunity to cure issues that arise as a result of their email submission requirement? This email requirement overly complicates the bid preparation process and risks bids being rejected as "late" due to a mere technicality.	Yes. Consistent with the main RFP document, Section 3.A "BIDDERS WILL BE REQUIRED TO RESPOND TO BID QUESTIONS AND CURE ANY BID DOCUMENT DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF BID REVIEW AND REQUESTS."
63	10/12/2022	11/1/2022	Other	Will the bidders conference be recorded and made available for my coworkers who will not be able to attend?	No. PacifiCorp's RFP team is not recording the bidders conference.
64	10/12/2022	11/1/2022	Schedule	Question about schedule: The passage of the 2022 Inflation Reduction Act will have a substantial impact on the economics of projects and bids. This wasn't a "known" when RFP schedule was set. The IRS guidance as to many specific qualifying details and criteria for many aspects of using the tax credits, is due out in coming couple months. These will affect many or all bids, and may cause material changes to key financial inputs. It seems like an offset in the schedule should be allowed to properly account for these material financial inputs, consistent with prior PAC and other Oregon IOU emphasis on the significance of ability to fully capture tax credit benefits in RFPs.	PacifiCorp believes bidders will have sufficient time and information by the market bid deadline of February 14, 2022 to provide binding bids. In the event there are further tax changes which may benefit customers, PacifiCorp in consultation with state regulators and independent evaluators may offer or require bidders an opportunity to reduce their prices.
65	10/12/2022	11/1/2022	Schedule	Does the change to benchmark bid deadline result in a delay to market bids?	No.

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66	10/12/2022	11/1/2022	Transmission	Do all on-system Renewable Resource Types require to have entered into the 2022AS Cluster Study before the Cluster Request Window closed on May 15, 2022 to be eligible for the 2022AS RFP. Or just on-system generator resources?	Please refer to the main RFP document, Section 1.B. A bidder is not required to have participated in PacifiCorp's 2022 Cluster Study process in order to participate in the 2022AS RFP, provided the bidder otherwise complies with the requirements of Section 1.B.
67	10/12/2022	11/1/2022	Other	Can you talk about the benchmark bids evaluation and whether and when their scoring will be made public, so bidders can understand which attributes are being scored how, etc?	Benchmark bids will be scored consistent with the main RFP document Section 6. Scores will be filed with the appropriate state commissions subject to appropriate protective orders.
68	10/12/2022	11/1/2022	Price Score	Does PacifiCorp have geographic preferences for its procurement target? Specifically, what proportion of the 1,345MW generation and 600MW storage is intended to go towards PACE vs PACW?	No, PacifiCorp does not have either a geographic or PacifiCorp balancing authority area preference.
69	10/12/2022	11/1/2022	Other	Is there the possibility of submitting a bid proposal and/or uploading appendices and supporting documentation through an FTP site or something similar? The supporting documents to the appendices will be large file sizes. For instance, Section 7 of Appendix B-2 states that Bidder must provide any additional material information including scoping, feasibility and other associated studies conducted to assess environmental impacts and to obtain necessary permits and that bids must include all material studies. Therefore, a single bid submittal could consist of many, piece-meal emails to comply with the 20MB limitation.	The RFP main document requires bidders to submit bids via email. PacifiCorp request bidders are judicious in reducing file sizes, breaking bid submittals into multiple emails, and using the email numbering system discussed in Section 3.E of the main RFP document.
70	10/12/2022	11/1/2022	Other	Can you further explain what "firm and binding offer through November 2023" means? Given the uncertainties with interconnection upgrades/delays, supply chain le...	The bid deadline is February 14, 2023 for market bids. Bidders are expected to hold bid prices firm through the bid validity date of November 21, 2023.
71	10/12/2022	11/1/2022	Resource Types	Should a solar plus storage resource provide a \$/MWh price for the solar resource and a \$/kW-mo price for the BESS?	Yes.
72	10/12/2022	11/15/2022	Price Score	Is there preference given for resources matching the load profile? If so, will it be within the price scoring?	Appendix R provides details on the price scoring methodology. The price scoring incorporates system benefits that reflect the marginal resource costs in each location and interval calculated within the Plexos model. While system benefits are likely to be higher during periods of high load, that effect may be offset in some periods by high renewable resource availability. For the first price scoring methodology, there is no additional preference for matching the load profile beyond the marginal resource costs resulting from the intersection of available supply and demand. The second scoring methodology in Appendix R also considers the relative capacity contribution of a bid resource, i.e. its availability during periods with heightened risk of supply shortfalls, which may also be higher during periods of high load, but this is also dependent on available supply.
73	10/12/2022	11/15/2022	Price Score	Does PacifiCorp have a preference for earlier CODs than 2027?	The main RFP document, Section 1.A states "The 2022AS RFP will consider new and existing resources so long as they can achieve commercial operation and/or begin deliveries to PacifiCorp by December 31, 2027; however, PacifiCorp has a preference for bids which can come online by the end of 2025 or during 2026." The stated preference is based on the resource need identified in the 2021 integrated resource plan (IRP), which identified resource need in 2025 and 2026. During the bid evaluation process, PacifiCorp's portfolio optimization tool may or may not value resources coming online in 2025 and 2026 higher than resources coming online in 2027. Please also refer to the response in question number 72, noting the price score (value) could potentially be impacted by the number of resources bid and available during periods with an earlier COD.

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74	10/12/2022	11/15/2022	Other	Will Pacificorp accept memory sticks?	While contradictory to what was suggested in the 2022AS RFP workshop on October 20, 2022, at this time, memory sticks will not be accepted. PacifiCorp encourages bidders to read and comply with Section 3.E of the main RFP document.
75	10/25/2022	11/15/2022	Non-Price Score	For BTA proposals, is a completed Conditional Use Permit a minimum requirement for proposal review as noted in Appendix F-1? These items are listed in Appendix L (Non-Pricing Scoring Matrix), but not listed as requirements in Appendix F-1, so we wanted to check if these items are viewed as minimum requirements.	Section I of Appendix L non-price score assesses whether the bid is complete and all pertinent documents have been provided. By comparison, Section III of Appendix L assesses the overall development status. For Section I of Appendix L, if a BTA bidder has completed the conditional use permit (CUP), then they must provide it as part of their bid submittal. If the CUP has not been obtained, the BTA bidder would respond "N/A" and leave a explanation in the comment box in Section 1 of Appendix L.
76	10/25/2022	11/15/2022	Non-Price Score	For BTA proposals, are completed Geotechnical report, Environmental studies (endangered species, wetlands, Phase I ESA), and cultural studies a minimum requirement for proposal review as noted in Appendix F-1? These items are listed in Appendix L (Non-Pricing Scoring Matrix), but not listed as requirements in Appendix F-1, so we wanted to check if these items are viewed as minimum requirements.	Section I of Appendix L non-price score assesses whether the bid is complete and all pertinent documents have been provided. By comparison, Section III of Appendix L assesses the overall development status. For Section I of Appendix L, if a BTA bidder has completed the development studies (Geotechnical report, Environmental studies, and cultural studies), then they must provide it as part of their bid submittal. If the studies have not yet been obtained, the BTA bidder would respond "N/A" and leave a explanation in the comment box in Section 1 of Appendix L.
77	10/12/2022	11/15/2022	Demand-side resources	Is Appendix Q-1.10 – Prohibited Vendors list is up to date? The likes of Longhi, Jinko, etc. were in question.	For the demand-side resources, the prohibited vendors list is being updated on the 2022AS RFP website and will be updated at this time and again at the time of final contract execution in Q3-Q4 2023 based on then-current government regulations. At this time, PacifiCorp asks demand-side bidders to redline the pro forma contract appendices including Appendix Q-1.10.
78	10/12/2022	11/15/2022	Schedule	There is a pretty high likelihood of interconnection re-studies in PAC cluster process, probably very consequential changes in outcomes and project viability, with final studies not likely until many months later (some Transition Cluster studies have been in re-studies until recently). How does PAC intend to account and allow for that reality, particularly given many of those study outcomes, sub-cluster compositions, upgrades, etc will be materially unknown for likely many months, and materially affect project economics and schedule viability?	Consistent with the Main RFP document, Section 3.I number 7, bidders must "provide a firm offer through the bid validity date outlined in Section 3.E of this RFP." PacifiCorp will evaluate bids based on the completed interconnection studies and/or executed LGIAs at the time of bid receipt.
79	10/26/2022	11/15/2022	Other	Can a PPA be executed via this pathway with PAC/corporate REC buyer – under schedule 272 or any other structure - on a separate schedule independent of the timing and outcomes of the AS-RFP schedule?	Please refer to the main RFP document, Section 6.H in regards to how the 2022AS RFP will consider resources for voluntary customers.
80	10/12/2022	11/15/2022	Other	Your RFP documents indicate "Following PacifiCorp's selection of resources for system customers and any additional resources required to meet specific state compliance obligations, PacifiCorp may conduct a secondary process to match renewable resource bids not chosen to the final shortlist with customers interested in voluntary renewable programs." What other pathways beyond this "secondary process" are there for providing renewable supply to voluntary corporate buyers with load on the PAC system, either directly or indirectly via PAC?	This Q&A only considers the 2022AS RFP process.

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81	10/12/2022	11/15/2022	Other	Also, in Appendix O, there is a column called "Benchmark Option Type" with two different categories listed: "market" vs "owned". What is a market benchmark bid?	Utah Code §54-17-102(2) provides the following: (2)"Benchmark option" means an energy resource against which bids in an open bid process may be evaluated that: (a)could be constructed or owned by: (i)an affected electrical utility; or (ii)an affiliate of an affected electrical utility; or (b)may be a purchase of: (i)electricity; (ii)electric generating capacity; or (iii)electricity and electric generating capacity.
82	10/12/2022	11/15/2022	Other	Your RFP documents indicate "Following PacifiCorp's selection of resources for system customers and any additional resources required to meet specific state compliance obligations, PacifiCorp may conduct a secondary process to match renewable resource bids not chosen to the final shortlist with customers interested in voluntary renewable programs." Please indicate how this "secondary" process would work?	Following PacifiCorp's selection of resources and contract negotiation efforts under the RFP, PacifiCorp works with any such voluntary corporate buyer seeking renewable energy products by reviewing their distinct needs against potential solutions offered in the market.
83	10/12/2022	11/15/2022	Other	Who should we reach out to if we have additional questions about how the Benchmark Team runs its process? I don't see contact information listed in Appendix N.	Please contact benchmark@pacificorp.com
84	10/31/2022	11/15/2022	Other	As part of the NOI, Bidders are required to fill in Appendix D- Bidder Credit Information which includes templates for Commitment Letters. Could PacifiCorp please clarify when this Commitment Letter for credit assurance is required to be completed and submitted to PacifiCorp? We are a bit confused by the language as the Appendix states that PacifiCorp will require a letter from the entity providing financial assurances at the bid submittal but also says that PacifiCorp will require a commitment letter from bidder within 20 days after bidder is notified it has been selected for the final shortlist.	At the time of submission of a notice of intent to bid, if you are intending for an entity to provide financial assurances, we are asking for a letter from such proposed creditworthy entity stating that they are planning on or are willing to provide financial assurances should the bid become shortlisted. In addition, a formal commitment letter will be due 20 business days after bidder makes the final shortlist. A bidder credit information document in the form included as Appendix D (Section 1 and Section 2, as applicable) should be provided with the NOI on December 16th along with a partially executed NDA.
85	11/3/2022	11/15/2022	Transmission	We would like to propose a project that would utilize surplus interconnection in relation to an existing Pacificorp-owned generator. The RFP and Q&A log confirm that such a proposal must include a surplus interconnection study in order to be considered for evaluation. Per Pacificorp's OATT, we are unable to submit a surplus interconnection request and secure the surplus interconnection study without the cooperation of Pacificorp as it is the original interconnection customer (i.e., the LGIA holder). How should we engage Pacificorp on our request for their cooperation with respect to the surplus interconnection request? We believe that our project has unique benefits to Pacificorp ratepayers that will be borne out in the RFP evaluation process.	PacifiCorp is not offering to potential third-party bidders for potential surplus interconnection service the interconnection facilities supporting its generating facilities.
86	11/7/2022	11/15/2022	Other	Are bidders able to redline appendix G-1? Additionally, are bidders able to submit a redlined version of appendix G-1 as a part of their NOI package?	See response to #46
87	11/9/2022	11/15/2022	Other	For solar projects, does PAC want a third party resource assessment in addition to the PVSyst report? Or does PAC only want the PVSyst report?	RFP main document, Section 5.C, page 30: "Bidders are required to provide a resource performance estimate prepared by a third-party expert. PacifiCorp may accept in-house energy performance report contingent upon PacifiCorp being able to replicate the results."

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88	11/8/2022	12/6/2022	Transmission	According to the RFP, PacifiCorp will not accept a tolling agreement for stand-alone BESS not on PAC's system. Can a bidder propose standalone storage at at point of interconnection (substation) which is joint owned by PacifiCorp and another transmission provider? Given the project's substation POI is the same as the PAC POD, we assume that PacifiCorp would consider the Project as an 'on-system' resource given the lack of need for LT Firm PTP rights in this case and given shared ownership of the POI. Can you confirm? Please also confirm in this case that PacifiCorp would take on responsibility of submitting an application to the Network Service provider to provide services for charge/discharge of BESS.	If a bidder has an interconnection study or agreement with PacifiCorp Transmission, then it will be considered on-system. If the study or agreement is with another transmission provider, then it is an off-system resource. Off system stand-alone storage resources are ineligible to bid. With respect to transmission service associated with a BESS resource selected in the RFP, please see response to #44 above.
89	11/8/2022	12/6/2022	Transmission	It appears that if a project's third-party point of interconnection (POI) was the same as the PacifiCorp point of delivery (POD), the project would still need to deliver evidence of service rights sufficient to deliver to PacifiCorp. If the point of interconnection (POI) is a substation which is jointly owned by PacifiCorp and a 3rd party transmission provider and there is no transmission service product offered by the third-party transmission group to wheel power from the 3rd party owned bay to the PacifiCorp-owned bay (and point of delivery (POD)), what evidence will PacifiCorp accept to demonstrate this fact? The 3rd party transmission provider has indicated that the power can easily be wheeled across the substation from the 3rd party-owned bay to PAC-owned bay via a 'Use of Facility Determination'. Are you familiar with this and would evidence that they allow this be acceptable or again, does PacifiCorp view the resource as on-system?	It appears that what is described in the hypothetical is an offsystem resource, as explained in response to #88 above, but it isn't clear based on the question. If a project is proposing to interconnect to a point that is not studied by PacifiCorp in its interconnection provider capacity, the project will be considered an off-system bid, and the bidder will therefore be required (for those proposed bids where off-system resources are eligible) to provide satisfactory evidence that it can be delivered to PacifiCorp's system. PacifiCorp is aware that other Transmission Providers may allow "Use of Facility Determination." Assuming the bidder can demonstrate that the "Use of Facility Determination" can deliver the output of the off-system resource to PacifiCorp's system, then it would be acceptable.
90	11/9/2022	12/6/2022	Geography	Can PAC clarify what information and level of detail should be included in the project layout?	Appendix B-2, page 3: "A description of site layout including proximity to interconnection points, ingress and egress, local communities, and environmental features. The proposed site(s) must clearly be shown on a United States Geological Survey (USGS) 7.5-minute series map." If bidder has additional questions related to the level of detail required, please email a specific question to the RFP inbox.
91	11/9/2022	12/6/2022	Other	Can PAC clarify what should be included in the critical issues analysis report? Is it required to be complete by a third party?	Appendix B-2, Section 7.viii on Page 7: "Information on fish, avian species and other wildlife and vegetation inhabiting the area of the project, such as a site characterization study (tier I/II) and/or a critical issues analysis report." A critical issues analysis report may also include summaries of other potential development characteristics such as zoning, environmental/ESA/wetlands, geotechnical, title work and mineral rights, and cultural studies. Also see Appendix B-2, Section 2.v on page 3: "A summary of critical issues analysis including key findings, studies completed and outstanding, and any other material considerations impacting the site suitability, potential schedule risk, or overall project viability." BTA bidders are encouraged to provide a report from a third party. If bidder has additional questions related to what should be included in a critical issues report, please email a specific question to the RFP inbox.
92	10/26/2022	12/6/2022	Other	If a corporate buyer with load on the PacifiCorp (PAC) system chooses our project as a desired resource to source RECs from (via PAC), should this opportunity be pursued with your AS-RFP team at PAC or another department?	The corporate buyer with load on the PacifiCorp system should contact their existing PacifiCorp regional business manager. If a customer needs help identifying their regional business manager, they may reach out to Cheryl Carter at 971-271-2241. PacifiCorp encourages all resources who wish to be offered to customers as part of the secondary process to bid into the 2022AS RFP in order to be evaluated by the Plexos portfolio optimization tool and receive a price score.

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93	10/12/2022	12/6/2022	Other	Your RFP documents indicate "Following PacifiCorp's selection of resources for system customers and any additional resources required to meet specific state compliance obligations, PacifiCorp may conduct a secondary process to match renewable resource bids not chosen to the final shortlist with customers interested in voluntary renewable programs." Is there a requirement for our projects to be offered into the AS-RFP in Feb in order to be considered for this "secondary" category of voluntary buyer demand?	PacifiCorp encourages all resources who wish to be offered to customers as part of the secondary process to bid into the 2022AS RFP in order to be evaluated by the Plexos portfolio optimization tool and receive a price score.
94	11/14/2022	12/6/2022	Other	If a developer/bidder has a current executed mutual NDA with PacifiCorp for a term that ends in November 2023, is the NDA sufficient, or should the developer/bidder execute Appendix G-1 - Confidentiality Agreement in preparation for the intent to bid deadline next month?	A new confidentiality agreement will be needed for the 2022AS RFP.
95	11/15/2022	12/6/2022	BESS	(Reference made to Q&A #52 above): we want to confirm that we can combine separate BESS facilities that connect to the to the same POI in a base bid and that we cannot combine separate BESS facilities that connect to different POIs in a base bid?	Correct.
96	11/15/2022	12/6/2022	BESS	(Reference made to Q&A #52 above): for a bid with multiple BESS facilities that connect to the same POI, can we offer a reduced price alternative that has a lower storage facility power capacity rating because it does not include all of the non-connected sites?	Bidders are welcome to offer reduced price alternatives subject to applicable bid fees and meeting the RFP requirements.
97	11/15/2022	12/6/2022	Other	There might be a small issue with the reduce price alternative conditional formatting in Appendix B-1.2 – Bid Fee Calculator work sheet. It appears that Column O & Column P when Reduced Price Alternative is selected are pulling a drop down menu for Pricing Structure; however, we think these should be numbers that the developer enters like it is in Base Bid	This is correct. There is an error to the formatting in Appendix B-1.2 – Bid Fee Calculator worksheet. Column O and P should be numbers entered by the developer/bidder. We will update the version on the 2022AS RFP website.
98	11/28/2022	12/6/2022	Other	Before we complete and submit our Notice of Intent materials, please see our potential bid options below and confirm that we understand the instructions around base bids and their 'reduced fee' alternatives/variations accurately.	Section 3.G of the Main RFP document defines free bid alternatives as variations to the contract term (end date) or price structure. Reduced price bid alternatives are defined as variations to the proposed start date (COD), storage facility power/energy capacity, or storage duration. Please see Appendix B-1.2 – Bid Fee Calculator work sheet, which was designed to help bidders calculate applicable bids fees.
99	11/30/2022	12/6/2022	Other	We have several NDA's we've negotiated with PAC in the past – attached is one. Our legal team realized there are additional provisions in the attached NDA. Could we restyle the RFP NDA to conform to the language of what we agreed in the past attached NDA? Or will PAC not except any redlines to the NDA?	See response to Q&A #46.
100	11/29/2022	12/6/2022	Other	Regarding Appendix L – Non-Price Scoring Matrix: most of the line items that are specific to BTA bids have "(BTA)" marked at the end of them. However, the line item for Appendix A-8 Real Estate Specifications does not state "(BTA)", but on the RFP website this Appendix A-8 is listed as a BTA requirement only. Could you please confirm that Appendix A-8 is only for BTA bids?	Confirmed.
101	11/29/2022	12/6/2022	Agreements / Contracting	Regarding redline changes to the confidentiality agreement, if we propose changes with our NOI and PacifiCorp does not accept them and thus we have to submit a new confidentiality agreement past the NOI deadline, will we lose the non-price scoring point associated with submitting an NOI? If yes, is there an opportunity to submit our redline ahead of the NOI deadline for PAC to review and indicate whether they will accept the changes?	See response to Q&A #46 above. Bidder will receive a point of non-price score for having submitted the complete NOI.

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102	11/29/2022	12/6/2022	Non-Price Score	On page 11 of the Main RFP Document, PAC states "As part of a bid submittal, bidders will be requested to execute a customer consent form provided in Appendix J – PacifiCorp Transmission Waiver...". Is "requested" here used to mean this is a requirement for bidders? If it is not a firm requirement, will bids be scored lower if they do not provide this consent form?	Bidders who provide Appendix J will receive a point of non-price score in Appendix L.
103	11/29/2022	12/6/2022	Non-Price Score	In the schedule, there are dates for the FSL selection as well as the IEs' review of the FSL, but there's no indication of when the bidders will be informed that their project(s) made the final shortlist. Is it one of these two dates? Or a date after the IEs complete their review?	The date when bidders will be informed that their projects made the final shortlist has not been determined and will not occur before PacifiCorp files its final shortlist request for acknowledgement with the Public Utilities Commission of Oregon and completes any other regulatory steps required by the Washington Utilities, Transportation Commission and Utah Public Service Commission or other applicable state commissions.
104	11/29/2022	12/6/2022	Non-Price Score	On page 22 of the Main RFP Document, PAC indicates the wiring instructions for bid fees will be emailed at least 5 business days prior to the bid deadline. To update our vendor records, process the wire request internally, have it sent by the bank, and finally show as delivered on PAC's end, can take more than 5 business days. Could we please have the instructions earlier to not miss the deadline due to rigid internal administrative processes?	Yes. By February 1, 2023, PacifiCorp will send wire instructions to all bidders who have submitted a notice of intent to bid (NOI).
105	11/29/2022	12/6/2022	Non-Price Score	Regarding the PLEXOS model that is used for the Price Scoring, is it possible to receive the model, or relevant components, in order to understand which of the features of the Bidder's bid are more valuable and work to optimize those (e.g. duration vs PPA price vs system location, etc)?	PacifiCorp will not make its confidential model, or relevant components, available to bidders. Bidders may learn more about PacifiCorp's Plexos inputs and modeling methodology by reading PacifiCorp's 2021 IRP or attending PacifiCorp's 2023 IRP public input meetings.
106	11/29/2022	12/6/2022	Non-Price Score	Could PacifiCorp please adjust the borders of the boxes with answers on the Q&A publication so that the entirety of the answer can be read, please? (For instance, Q#72 & 73 in particular, though others have final lines that are barely legible as well.)	This has been adjusted.
107	11/29/2022	12/6/2022	BESS	In the case of a project co-located with BESS, will the \$200/kW security be required for the nameplate of the BESS in addition to the main project resource?	Yes. See Appendix E-2.2 PPA Documents – Collocated Generating Resource with Energy Storage. Project Development Security and Default Security are both defined as being calculated based upon the "Aggregate amount of the Nameplate Capacity Rating and the Guaranteed Storage Power Capacity Rating."
108	11/29/2022	12/6/2022	Other	Per page 3 of the attached Appendix D – Bidder Credit Information, a financial institution providing credit assurances on behalf of the bidder must be a major U.S. commercial bank. If bidder plans to issue a Letter of Credit through BNP Paribas' New York Branch, will that satisfy PacifiCorp's credit assurance requirement (above)? BNP Paribas has the requisite S&P rating of 'A+' and Moody's rating of 'Aa3'. Please advise.	Due to the European "bail in" protocol, BNP Paribas, as a French bank, is not acceptable. With respect to foreign banks, PacifiCorp will only consider letters of credit issued by the U.S. branch of Australian, Canadian, and Japanese banks.
109	11/29/2022	12/6/2022	Non-Price Score	On page 11 of the Main RFP Document, PAC states "All information supplied to PacifiCorp...is and will remain the property of PacifiCorp." Many of the documents requested by PacifiCorp are proprietary studies that bidders paid for contractors to complete – such as environmental reports, meteorological data or third party reports, engineering designs etc. We consider these data to be proprietary. Can PacifiCorp explain what it means by this "information...remain[ing] the property of PacifiCorp"?	To clarify, in the bidding phase, bid documents become the property of PacifiCorp, but not associated proprietary reports supporting such a bid.

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110	11/29/2022	12/6/2022	Non-Price Score	On page 30 of the Main RFP Document, PAC states it "may accept in-house energy performance report contingent upon PacifiCorp being able to replicate the results." When/how will we know if PAC can replicate the results? If PAC cannot, how long will we have to get a 3rd party report generated and submitted to PAC? Can we submit our energy performance report ahead of the rest of our bid documents to understand if PAC can replicate results prior to the bid deadline?	PacifiCorp will accept in-house performance reports, which will be reviewed by independent third-party experts. Bidder's resource profile will be subject to adjustment based on the recommendation of the independent consulting report.
111	N/A	12/6/2022	BESS	Can a bidder offering a co-located solar and storage resource bifurcate the ultimate contractual agreements by splitting the contracts into separate solar PPA plus energy storage tolling agreement?	<p>If depends on whether the project as bid will contemplate grid charging of the co-located BESS.</p> <p>If the project as bid contemplates grid charging, and the bidder has provided sufficient documentation from the applicable interconnection/transmission provider that such grid charging will be permissible, then PacifiCorp will consider a two-contract approach to the resource contracting, and the bidder should refer to both the pro-forma PPA in Appendix E-2.1 PPA Documents – Generating Resource Only and the pro-forma tolling agreement in Appendix E-3 Tolling Agreement Documents.</p> <p>If the project as bid does not contemplate grid charging, or the bidder is not able to provide sufficient documentation from the applicable interconnection/transmission provider that such grid charging will be permissible at the time of bid, then PacifiCorp will not permit a two-contract approach, and the bidder should refer to the pro-forma PPA provided within Appendix E-2.2 PPA Documents – Collocated Generating Resource with Energy Storage.</p>
112	11/29/2022	12/6/2022	Other	Regarding the Appendix D Letter of Credit Commitment Letter, which we understand needs to be provided with the NOI, we are speaking with various banks about this requirement. However, it is hard to secure a commitment letter without providing the bank with a form of the Letter of Credit. Could you provide your pro forma LOC? If not, could you indicate whether it would be the same as that used by the PacifiCorp Transmission function?	PacifiCorp has posted its standard Letter of Credit template to the 2022AS RFP website under Appendix D Bidder's Credit Information.
113	11/1/2022	12/6/2022	Demand-side resources	Is Appendix Q-1.10 – Prohibited Vendors list just for sourcing modules? Is it also applied to modules that source components from these vendors?	The prohibited vendor list has been updated on the RFP website. The prohibited vendor list contemplates more than solar modules and includes all components that may connect or communicate with PacifiCorp's system. With respect to issues such as forced labor restrictions (implied in the module component question), the prohibited vendor list applies to any regulation by the US government which would prevent materials from being imported to the US.
114	11/29/2022	12/6/2022	Other	Regarding Appendix A-9 (Equipment Supply Matrix), it is not clear to us if the tabs labeled "Transformers" and "Switchgear" are referring to the MV portion (inverter side) or HV portion (substation). Could you please clarify? Is there a substation portion to fill out as well?	The tabs are intended to collect HV inputs. For resources contemplating MV transformers and switchgear, bidders are requested to add a second set of tabs and label them MV inputs.
115	11/29/2022	12/6/2022	Other	The "Wiring & Comb Boxes" tab in Appendix A-9 seems to be prepared based on the typical combiner box + underground solar cables configuration. In some instances, we may assume the use of an aerial cabling solution with inline fuses...for this reason it's difficult to fill in this section. What guidance would you provide for this case?	Bidders may add additional lines to Appendix A-9 as they deem appropriate to provide a complete bid.

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116	12/2/2022	12/6/2022	Other	I want to submit multiple resources and I have a PDF of the NOI form given in App B-1 for each but should I also be submitting a separate App B-1.1/B-1.2 Excel file for each individual facility or resource? Or can I list multiple facilities that my company wishes to bid on the same Excel sheet and make copies of the B-1.2 Bid Fee Calculator tab?	You can make copies of the B-1.2 Bid Fee Calculator tab.
117	12/2/2022	12/6/2022	Other	Regarding App G-1 Confidentiality Agreement, will PacifiCorp accept a signed redline version with the NOI or do we need to negotiate changes to the confidentiality agreement prior to submitting the NOI?	See response to #46
118	12/2/2022	12/6/2022	Other	Can we submit multiple variants as part of our NOI and then choose to bid only one of those variants into the NOI? Can we change the bid structure /bid variants that were submitted with the NOI when we submit our bid?	See response to #58
119	11/29/2022	12/6/2022	Non-Price Score	Section 5D of the RFP states "Bid prices shall include any estimated direct-assigned interconnection costs but shall exclude the estimated network upgrades costs. Although the network upgrade costs are not to be included in the bid price, the network upgrade costs will be provided to PacifiCorp and included in the utility's valuation models." Does PacifiCorp intend to include an adder on the PPA price for the winning bid(s) to properly account for the added cost to the project developers or is the intent that PacifiCorp's commercial entity will pay the network upgrade(s) to PacifiCorp's transmission entity for the winning bid(s)? Even though PacifiCorp's transmission entity reimburses the network upgrade costs over time at FERC interest rates, there is still a cost to developers represented by the spread between FERC interest rates and the target hurdle rate of the project developer that should either be priced into the bid or covered in some other manner.	PacifiCorp's commercial function (as counterparty to any transaction entered into under this RFP) does not reimburse Seller or otherwise directly pay PacifiCorp's transmission function for network upgrades. In the RFP, PacifiCorp sought to inform bidders that while they are directly responsible for certain interconnection costs, such as direct assigned PacifiCorp Transmission costs, PacifiCorp separately accounts for the network upgrade costs in its valuation models, as they are ultimately borne by PacifiCorp and its customers after the network upgrades are placed in-service
120	11/28/2022	12/6/2022	Transmission	All NRIS projects in the cluster study we participated in were found to have an earliest achievable COD of 2030. This is only true if all projects in the cluster study proceed through the interconnection study. Provided that Pac's 2022 RFO calls for CODs no later than 12/31/2027, does this mean that all NRIS projects in our cluster are technically ineligible for the 2022 RFO? Or, since the results of this study are based on evolving conditions (e.g., projects could drop out, more coordination with BPA is required), is the Pac RFO team not treating the results from the Phase 1 study as an indication of feasible in-service dates? I know it was a requirement for this RFO to get into the interconnection queue by the 2022 spring cluster at the latest, but I'm not sure if the Pac RFO team will also be weighing any aspects of the actual study results.	Resources must have an interconnection study (or agreement) indicating that a 2027 COD is achievable, with the exception of certain long-lead resources which must provide a study or agreement demonstrating ability to achieve COD by 2028.
121	12/1/2022	12/6/2022	Transmission	Does PAC plan to evaluate the COD-capability of each project based on the transmission study results alone (especially for those projects that only have a Cluster Study), or will PAC consider different scenarios under which the interconnection will allow an earlier COD based on queue attrition, planned coal retirements, planned policy driven transmission upgrades and other factors?	PacifiCorp intends to perform due diligence and consider all development characteristics to confirm a resource's ability to reach COD. With respect to bidder's question about scenarios, please see response to Q&A #120 above.

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122	12/1/2022	12/12/2022	Other	In lieu of Bidder providing the Form of Letter of Credit Commitment Letter to PacifiCorp from the Issuing Bank providing the credit facility, would PacifiCorp accept either of the following approaches to satisfy the Form of Letter of Credit Commitment Letter requirement for the Notice of Intent to Bid submission: •A copy of Bidder's letter of credit agreement with the institution? •If providing the Letter of Credit agreement is not sufficient by itself, a legal opinion letter from Bidder's law firm that confirms the Bidder's access to the letter of credit facility as a supplement to the Letter of Credit agreement? In lieu of Bidder providing the Form of Letter of Credit Commitment Letter to PacifiCorp from the Issuing Bank providing the credit facility, would PacifiCorp accept the following revisions of the language bracketed in red to the Attachment D 'Form of Guaranty Commitment Letter' template? •In connection with Bidder's [and its subsidiaries (collectively, the "Bidder")] submittal in PacifiCorp's 2022AS Request for Proposals ("RFP"), [and at Bidder's request,] this commitment letter contains [ISSUING BANK]'s assurance to PacifiCorp that, should PacifiCorp enter into a transaction with Bidder arising out of any bid submitted by Bidder in the RFP, with terms and conditions mutually acceptable to PacifiCorp and Bidder, [ISSUING BANK] will at that time[, in accordance with, but expressly subject to, the terms and conditions of the \$[XX] line of credit facility dated as of [DATE] extended by [ISSUING BANK] to the Bidder,] issue an irrevocable standby letter of credit in form and substance reasonably satisfactory to PacifiCorp, up to a maximum amount of \$[XX].	The purpose of Appendix D is to identify bidders who cannot meet the credit requirements associated with their bid. Bidders shall submit the information required by Appendix D. Along with the notice of intent to bid ("NOI") response, bidders may provide redlines to the Form of Letter of Credit Commitment Letter, which PacifiCorp will consider. In the event the submittal is deemed incomplete or insufficient by PacifiCorp's RFP team and credit group, the bidder will be asked to cure its Appendix D submittal after bids are received in February.
123	12/6/2022	12/12/2022	Other	We are preparing our Notice of Intent documents for PacifiCorp's AS RFP. In completing Appendix B-1.1 NOI Excel Spreadsheet, is Appendix B-1.2 Bid Fee Calculator worksheet required for the NOI submission as well? If so, are the bidders bound by the iterations submitted at NOI or do we have flexibility to change our bids when they are actually due in February?	Appendix B-1.2 – Bid Fee Calculator work sheet was designed to help bidders calculate applicable bids fees. It is the same spreadsheet, but the second tab of Appendix B-1.1 NOI Excel Spreadsheet. See response to question #58 with respect to the non-binding nature of the NOI.
124	12/6/2022	12/12/2022	Other	We are planning to submit to this year's RFP and need to know if projects with a post 2027 COD can apply.	Section 3.1 Minimum Eligibility Requirements for Bidders in the Main RFP document states: "Reasons for rejection of a bidder or its Bid include, but are not limited to: #4 Failure to adequately demonstrate the viability of a COD on or before December 31, 2027, with the exception of long-lead resources as described in Section 1.A."
125	12/6/2022	12/12/2022	Transmission	Regarding the requirement that "Bids must include at least a completed interconnection study by the applicable interconnection provider", does the study have to be associated with an active queue position? For instance, if the study shows the viability of the project's POI but for various reasons, the bidder intends to enter a future cluster study with a new queue position, would this be acceptable?	Bidders must have an active interconnection study or agreement, and the study and/or agreement must be consistent with the bid (resource characteristic including but not limited to type, capacity, requested CO, etc.).
126	12/6/2022	12/12/2022	Transmission	In the system design for meeting PAC's augmentation requirement, can augmentation be AC-coupled so long as the inverters are derated such that the limit at the POI is never exceeded and the plant meets the interconnection service agreement design specifications and is limited to the nameplate and POI rating? Considering this as an alternative to a DC side system overbuild.	Yes. Bidder may overbuild the battery and propose AC-coupled augmentation schedules, so long as 1) system is design such that it never exceeds its POI limit under the interconnection agreement, and 2) bidder has interconnection study or agreement which contemplates the proposed design or else a letter from the transmission provider indicating that no material modification is required.
127	12/7/2022	12/12/2022	Other	We had one follow up question related to the required organizational chart. Does the attached meet the requirements by PacifiCorp? We will submit this with our NOI materials. Attached is an organizational chart showing all of the upstream owners of the solar LLC up to the holding company. Above are entities that belong to our investor owner. Please let us know if you require any additional information with respect to this organizational chart.	Bidders shall submit the information required in Appendix D. In the event the submittal is deemed incomplete or insufficient by PacifiCorp's RFP team and credit group, the bidder will be asked to cure its submittal.

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128	12/7/2022	12/12/2022	Transmission	<p>If a project was to connect to the planned B2H line in Oregon and had filed an interconnection position with Idaho Power, would that project be able to bid into the PacifiCorp RFP without a wheel? I see that the line is owned 55% by PacifiCorp.</p> <p>Would the project need to also have a PacifiCorp queue position as well?</p>	Please see response to #21. If a bidder has an interconnection study or agreement with PacifiCorp Transmission, then it will be considered on-system. If the study or agreement is with another transmission provider, then it is an off-system resource. If a project is proposing to interconnect to a point that is not studied by PacifiCorp in its interconnection provider capacity, the project will be considered an off-system bid, and the bidder will therefore be required (for those proposed bids where off-system resources are eligible) to provide satisfactory evidence that it can be delivered to PacifiCorp's system and include wheeling costs assumptions sufficient to deliver the resource to PacifiCorp's system. See Section 4.C in the main RFP document.
129	12/7/2022	12/12/2022	Other	For the Notice of Intent to Bid Form, does a bidder need to submit both the excel file (Appendix B-1.1) and the pdf file (Appendix B-1.0)? If yes, can the bidder just have the PDF file signed?	Yes, bidders should submit both. Appendix B-1.1 and B-1.2 are intended to help bidders calculate applicable bids fees and clarify primary bids versus free and reduced fee bid alternatives. The pdf file of Appendix B-1.0 requires a signature by bidders.
130	12/1/2022	12/12/2022	Resource Types	We are requesting clarification to the "All-Source" mention in the RFP. Will you be accepting proposals for dispatchable natural gas fired generation resources?	Yes. As stated in the main RFP document, section 1.A, second paragraph "The 2022AS RFP will accept and evaluate all resource types."
131	12/8/2022	12/12/2022	1/0/1900	Our company has reviewed Appendix S-1 Cybersecurity and identified for Item #10, which reads "Seller shall ensure that email sent to the Company by Seller or by any Seller service while under the Agreement is signed by a DomainKeys Identified Mail (DKIM) 2048 bit key." Our company uses 1024 bit key for all emails, not 2048. From what we understand, making a change in our DKIM could take months to properly implement and could have adverse organization-wide impacts on our company's ability to send emails to external recipients. Given the high risk and effort that this change would require, our company seeks clarification whether or not this requirement or whether item #10 is flexible. We plan to include this in our Issues List for next Friday's NOI submission.	If the bidder can commit to upgrade of DKIM from 1024 bit to 2048 within 12 months, PacifiCorp's Cyber Security Organization's requirement will be satisfied.
132	12/9/2022	12/12/2022	1/0/1900	There is an error on Appendix G-1 Confidentiality Agreement, the document incorrectly refers to the 2020AS RFP instead of 2022. Will PacifiCorp be sending out a revised confidentiality agreement or should we redline this ourselves?	Yes, this will be fixed and an updated Appendix G-1 will be posted to the RFP website.
133	12/7/2022	12/12/2022	Transmission	Following up on Q&A #10, how would NRIS and ERIS be treated differently in the scoring and Plexos modeling?	NRIS and ERIS are treated the same in the scoring and Plexos modeling with respect to how network upgrades are considered by the models.
134	12/9/2022	12/12/2022	Other	If we would like to request changes to the posted NDA form, are those redlines due by December 16th or must we come to an agreement on the changes and submit a signed NDA by December 16th?	See Q&A response to #46

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135	12/7/2022	12/12/2022	Transmission	<p>We understand the RFP requires 2027 achievable COD for non-long-lead resources. In the latest Cluster 2 study reports, several cluster areas show prolonged design/procurement/construction timelines (examples below) partially due to high interconnection MW volume.</p> <p>For cluster areas with schedule equal to or over 60 months, the best achievable COD would be 2028. Would the delayed COD estimated in the cluster 2 study reports automatically disqualify all solar/wind/BESS projects in those cluster areas?</p> <p>Cluster Area 1: 72 months after execution of interconnection agreement Cluster Area 2: 72 months Cluster Area 3: 72 months Cluster Area 4: 96 months Cluster Area 5: 36 months Cluster Area 6: 72 months Cluster Area 8: 60 months Cluster Area 9: 72 months</p>	Resources must have an interconnection study (or agreement) indicating that a 2027 COD is achievable, with the exception of certain long-lead resources which must provide a study or agreement demonstrating ability to achieve COD by 2028.
136	12/9/2022	12/12/2022	BESS	<p>We have reviewed the battery providers listed in the RFP Appendix A-1.6 - Battery Energy Storage System Technical Specification. It seems most of the "Preferred Battery Suppliers" are using NMC battery technology.</p> <p>The industry has started to move to LFP battery technology arguing it is safer (lower risk of thermal runaway and fire) and lower priced. Is there a reason why NMC battery technology is preferred? Would you consider LFP batteries?</p>	Yes, PacifiCorp will consider LFP battery technology. NMC battery technology is not preferred; PacifiCorp has no technology preference for battery technologies.
137	12/8/2022	12/15/2022	Transmission	Is a MIDCREMOTE POD considered on system or off system for the purposes of 2022AS RFP bids?	If a bidder has an interconnection study or agreement with PacifiCorp Transmission, then it will be considered on-system. If the study or agreement is with another transmission provider, then it is an off-system resource.
138	12/8/2022	12/15/2022	Transmission	If bidder has an off-system interconnection agreement in addition to a confirmed firm, PTP transmission service to a POD at a substation where PacifiCorp has a tie into that substation, is it considered an off-system bid.	Consistent with Section 5.D and 5.E of the main RFP document, if a bidder has an interconnection study or agreement with PacifiCorp Transmission, then it will be considered on-system. If the study or agreement is with another transmission provider, then it is an off-system resource. If a project is proposing to interconnect to a point that is not studied by PacifiCorp in its interconnection provider capacity and is considered an off-system bid, the bidder will therefore be required to provide satisfactory evidence that it can be delivered to PacifiCorp's system.
139	12/8/2022	12/15/2022	Transmission	If a bidder delivers power via firm PTP transmission service to a substation where PacifiCorp has a tie into that substation, is it considered an on-system or off system bid?	If a bidder has an interconnection study or agreement with PacifiCorp Transmission, then it will be considered on-system. If the study or agreement is with another transmission provider, then it is an off-system resource.
140	12/13/2022	12/15/2022	Transmission	Does PacifiCorp consider a POD of MIDC to be "delivering to PacifiCorp's transmission system" for an off-system resource?	See Q&A response to #137
141	12/2/2022	12/15/2022	Other	Appendix A-1.5 HV Work Specifications references an Appendix C for Approved Subcontractors. It doesn't appear that this Appendix C is located in the main document. Can you please tell us where to locate the Approved Subcontractor list?	Rather than providing an approved subcontractor list, PacifiCorp requests all BTA and benchmark bidders to provide a list of subcontractors they use for high voltage (HV) work. Consistent with Section 4.D and Section 7 of the main RFP document, final selection of HV subcontractors will be subject to PacifiCorp approval during any subsequent BTA contract negotiations.

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142	12/5/2022	12/15/2022	Other	Related to the Appendix G-1 Confidentiality Agreement, Sec. 2(b) states that "Upon the establishment of a docket or proceeding relating to the Bid before any public service commission, public utility commission, or other agency having jurisdiction over PacifiCorp, Recipient's obligations to Disclosing Party with respect to the Confidential Information will automatically be governed solely by the rules and procedures governing such docket and not by this Agreement." Can the PacifiCorp team share more information regarding the rules/procedures that would govern the treatment of bidder's confidential information in this scenario?	<p>The treatment of confidential information provided during a proceeding before a regulatory commission (through either discovery, in a filing, or through testimony) are addressed in state statute, administrative rule adopted by each state regulatory commission, or commission order. Where allowed, PacifiCorp may also enter into a specific non-disclosure agreement with parties to provide the information. The specifically applicable rules are provided below.</p> <p>Public Utility Commission of Oregon: Oregon Admin. Rule 860-0001-0070, 0080</p> <p>Washington Utilities and Transportation Commission: Washington Admin. Code 480-07-160, 420; Revised Code of Washington 34.05.446</p> <p>California Public Utilities Commission: California Public Utilities Commission General Order 66 D; Cal. Pub. Util. Code § 583;</p> <p>Utah Public Service Commission: Utah Admin. Code r. R746-1-601 – 605</p> <p>Wyoming Public Service Commission: Wyo. Admin. Code 023.0002.2 § 30</p> <p>Idaho Public Utilities Commission: IDAPA - 31.01.01.067 Idaho Rule of Civil Procedure 26(c)</p>
143	12/14/2022	12/15/2022	1/0/1900	Our team is seeking clarification on expectations for the confidentiality agreement (NDA) that's part of the NOI due Friday. In the Q&A, the 46th question and answer seemed to clarify that along with the NOI response, bidders may request redlines to the confidentiality agreement, which PAC may or may not accept. However, the 84th question and answer seems to contradict what was stated in the answer to 46 as PAC's answer ends by saying that a bidder credit information document in the form included as Appendix D should be provided with the NOI on December 16th along with the partially executed NDA. If we are requesting redlines to the NDA with our NOI response on Friday, will it be accepted if it is yet not partially executed?	For NOI milestone, PacifiCorp requests a partially executed NDA consistent with Appendix G-1; however, if bidder requests a redline to the standard form agreement, they may send a redline for our consideration. A mutually agreeable NDA should be fully executed by the February 14, 2023 RFP market bid deadline.
144	12/1/2022	12/15/2022	Resource Types	Hello, are new biomass-powered projects eligible to bid if they are eligible renewable resources under Or Rev. Stat 469A.025? If "yes", does PacifiCorp deduct in scoring for their carbon footprint, or make any other adjustment to the scoring methodology used for solar, wind, etc? If the biomass project has associated Thermal RECs (T-RECs), will PacifiCorp pay extra for title to such T-RECs?	Yes, new biomass-powered projects are eligible to bid (see response to Q&A #131). The value of RECs associated with energy generation should be included in any PPA bids (see Section 1.C of the main RFP document which states the transaction types PacifiCorp will accept, including power-purchase agreement (PPA) transaction with exclusive ownership by PacifiCorp of any and all energy, capacity, ancillary services and environmental attributes associated with the generation). However, because thermal RECs (T-RECs) are not tied to specific MWh of generation, PacifiCorp would accept a separate offer for T-RECs but, they would be considered separately as a post final short list (FSL) state regulatory consideration (see Section 6.G in the main RFP document).
145	12/20/2022	1/24/2023	1/0/1900	If bidder has an off-system interconnection agreement in addition to a confirmed firm, PTP transmission service to the POD of MIDCREMOTE, is the resources compliant with PacifiCorp's RFP requirement to deliver firm energy to PacifiCorp's system, i.e. PACW?	MIDCREMOTE by itself is not an acceptable POD. Evidence and assumption of a TSR request with a POD of MIDCREMOTE and a sink of either Vantage, Wanapum or Midway 230 kV will be acceptable.

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146	1/3/2023	1/24/2023	BESS	In Appendix A-1.6 BESS Tech Specifications – specifically section 2.1 dubbed System Sizing and General Requirements – PacifiCorp mentions that “for PPAs, Seller can assume that the BESS will be cycled annually at least 200 full DoD cycles.” 3. Can PacifiCorp provide further guidance as to ideal or preferred number of DoD cycles per year? Understood that it will be at least 200 full DoD cycles, but does PacifiCorp expect this to be closer to 365 DoD cycles per year versus 200?	PacifiCorp does not have a preferred number of DoD cycles and will value the bid based on the benefit to customers that is determined by the portfolio optimization process. Preferably, more DoD cycles represent greater flexibility and ultimately more system value, but the value is relative to the bid price offered.
147	1/3/2023	1/24/2023	Other	Please confirm that all Bidders are required to complete Tab 1 and Tab 2 of Appendix P – Equity Questionnaire regardless of whether their submitted project(s) are located in Washington.	Correct.
148	12/30/2023	1/24/2023	Transmission	Is any scenario where PAC would provide transmission service to charge BESS that is designated as ‘off-system’ for a fee (designated by a \$/kW-mo rate)?	No. (Noting that there appears to be a missing word in the question that, if fixed, would make our response clearer.)
149	12/23/2023	1/24/2023	Other	Appendix A-1.6 - Does the "preferred supplier list" mean exclusions are not approved? (BTA)	No, however, BTA bidders offering suppliers not listed on the preferred supplier list do so at their own risk. If the supplier bid is ultimately deemed to be unacceptable during the negotiation process, and if bidder is required to secure an alternative vendor, the price is not subject to change.
150	12/23/2023	1/24/2023	Other	Appendix A-1.6 - CATL was struck as a preferred BESS supplier. Is it acceptable if CATL cells are furnished by a Tier 1 integrator? (BTA)	CATL is considered a prohibited vendor and will not be accepted for PacifiCorp-owned resources. BTA bidders offering CATL cells via an integrator do so at their own risk. If the use of CATL cells is ultimately deemed to be unacceptable during the negotiation process, and if bidder is required to secure an alternative vendor, the price is not subject to change.
151	12/23/2023	1/24/2023	Transmission	Would a project interconnected into the Hemingway substation (230kV) be considered to be “on PacifiCorp’s transmission system”? This POI seems to have shared ownership between PacifiCorp and another transmission provider.	If a bidder has an interconnection study or agreement with PacifiCorp Transmission, then it will be considered on-system. If the study or agreement is with another transmission provider, then it is an off-system resource.
152	12/23/2023	1/24/2023	Transmission	Would a project interconnected into the Kinport substation (138kV) be considered to be “on PacifiCorp’s transmission system”? This POI seems to have shared ownership between PacifiCorp and another transmission provider.	Please see response to Q&A #151
153	12/23/2023	1/24/2023	Transmission	Would a project interconnected into the Happy Valley substation (138kV) be considered to be “on PacifiCorp’s transmission system”? This POI seems to have shared ownership between PacifiCorp and another transmission provider.	Please see response to Q&A #151
154	12/23/2023	1/24/2023	BESS	Regarding the Guaranteed Storage Availability and Guaranteed Storage Round Trip Efficiency metrics on the BESS tolling agreement, the pro forma says that an event of default will occur immediately and without cure recourse when either of those metrics are triggered in two consecutive years. Would PAC be open to having to having a mechanism to have energy drawn from the WEIM to replace this lost energy, rather than putting the contract into termination territory?	Part of the RFP requirements are for bidder to provide a contract redline and issues list. PacifiCorp’s position is that two consecutive years is ample time to cure any default due to the Guaranteed Storage Availability and Guaranteed Storage Round Trip Efficiency provisions.
155	12/20/2023	1/24/2023	Other	•In Appendix B-2, PAC requests bidders include the following in their resource narrative, “A development status, including remaining permits and approvals and a milestone schedule summarizing estimated completion dates for key development, procurement, construction and interconnection milestone.” In Appendix L, PAC requests a, “Schedule and supporting documentation include development and construction milestones (major equipment procurement and delivery on site, EPC execution and notice to proceed, interconnection backfeed, mechanical completion) which support the commercial operations date.” Can PAC clarify if they required want a detailed construction schedule/ Gantt chart? Or is a high-level development & construction schedule appropriate?	BTA bidders are requested to provide a detailed construction schedule, such as a Gantt chart. For PPA bidders, at minimum a high-level development schedule will be adequate at the time of bid submittal. .

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156	12/20/2023	1/24/2023	1/0/1900	Can PAC clarify what information bidders should provide for Appendix A-6? In the "EPC" tab, does the bidder need to mark which activities need will be complete during which period? Does any information need to be provided for the "SCADA" tabs?	The purpose of Appendix A-6 is to identify gaps in the scope of work which will be PacifiCorp's responsibility and therefore should be included in PacifiCorp's budget on top of the BTA bid price. For each line item and column, BTA bidders should identify any scope of work items that are outside of the BTA bidder's scope and price, and therefore will be PacifiCorp's ultimate responsibility. Because the SCADA work scopes are often overlooked, but require significant time and resources to complete, PacifiCorp requests the BTA bidder complete the SCADA tab. Seller will ultimately be responsible for any cells in Appendix A-6 which are not completed, and this will be reflected in definitive BTA contract negotiations. If the task is ultimately determined to be a PacifiCorp responsibility, Seller will provide a corresponding price reduction.
157	12/19/2023	1/24/2023	BESS	This question is regarding toll agreements for standalone storage. The Guaranteed Storage Availability % and Guaranteed Storage Round Trip Efficiency % metrics, as it relates to an immediate, LD-less Event of Default after 2 consecutive years, is difficult to reconcile with debt-providers, insurers, and sponsors of standalone storage projects. Has PacifiCorp considered changing this Event of Default language in a way that the storage market can meet it without huge added cost implications?	Bidder is reminded that part of the RFP requirements are for bidder to provide a contract redline and issues list. PacifiCorp has successfully negotiated and contracted for battery storage based on the terms provided in the Appendix E-2.2 and Appendix E-3 pro forma tolling agreements. Therefore, at this time, no major language changes are contemplated to the pro forma agreements.
158	12/12/2023	1/24/2023	Transmission	Can you confirm if Energy Resource Interconnection Service (ERIS) status projects are eligible in PacifiCorp's IRP procurement, or if Network Resource Interconnection Service (NRIS) status is required?	Please see response to Q&A ID# 10.
159	1/6/2023	1/24/2023	Agreements / Contracting	Inquiry about wire instructions	Please see response to Q&A ID# 104. If you did not provide a NOI but intend to bid, please send a request into the RFP mailbox for wire instructions.
160	1/11/2023	1/24/2023	BESS	19. Relating to Section 2.1 of Appendix A-1.6 (System Sizing and General Requirements) – Please confirm the following requirements: BTA: 80% of DoD and 365 cycles ? PPA: 100% DoD 200 cycles + 80% DoD 165 cycles ?	PacifiCorp can confirm that Appendix A-1.6 includes the technical specifications for BTA bids for ownership by PacifiCorp. PacifiCorp has not specified the minimum number of cycles or DoD for PPAs with battery tolling agreements, and PPA/tolling agreement bidders are required to redline Exhibit E-2.2 pro forma agreement, including the technical exhibits such as Exhibit A Expected Facility Performance, Exhibit B Description of Seller's Facility, and Exhibit P Storage Operating Procedures. Any references to PPAs in Appendix A-1.6 are meant to provide guidance to bidders on the use cases for energy storage tolling agreements which PacifiCorp believes will provide the most customer benefit during its valuation process.
161	1/11/2023	1/24/2023	Other	20. Relating to Appendix Q-1.10 – Is the prohibited vendor list applicable for component or sub-component of system? Like CATL battery cells, Huawei network switch for BESS	Yes. For BTAs, prohibited vendors apply to components or sub-components. Bidders may list exceptions to Appendix A-1 specifications, but if selected to the final shortlist, ultimately during any subsequent contract negotiations if the component or sub-component is deemed to be unacceptable to PacifiCorp, bidder will have to substitute with a preferred vendor or alternative subject to PacifiCorp's approval. Any changes required by PacifiCorp will be subject to bidders risk, and price changes will not be accepted.
162	1/11/2023	1/24/2023	Other	•Can we submit a bid for a PPA, or a BTA, with solar + battery storage that has a price "ratchet" whereby there will be a base price in the contract and a formula that would reset the final contract price in the future (post contract execution) to a higher or lower final price based on the ultimate outcome of equipment costs or other uncertain issues?	No. The RFP requires firm pricing and bidder is responsible for any risks or cost changes to their bid assumptions. Bids with "floating" pricing will not be permitted.
163	1/11/2023	1/24/2023	Other	•For a PPA, or BTA/O&M term sheet, can we submit a key issues list on contract terms with our bid in February and wait until as/when we are shortlisted to submit the full redline markups?	Yes; however, bidder will not be eligible for two points of non-price score (See rows 51 and 54 in Appendix L)

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164	1/11/2023	1/24/2023		•If we are required to submit redline markups with our bid in February, can you please provide an editable word version of Appendix K-4 for PV+BESS O&M term sheet?	Yes. This has been posted to the website.
165	1/13/2023	1/24/2023	BESS	Does PacifiCorp have a target, or floor, Storage Availability percentage?	No
166	1/12/2023	1/24/2023	Agreements / Contracting	•If we are submitting The Form of Letter of Credit Commitment Letter on Appendix D – page 6, can we use a slightly modified version if required by our bank which for example could indicate the bank must still complete full due diligence and internal approvals etc.? It does not seem realistic for any bank to complete all due diligence and approvals purely on a speculative basis for a bid that may or may not be shortlisted or become an ultimate contract	PacifiCorp will review and consider proposed amendments by bidders specific to the Form of Letter of Credit Commitment Letter in Appendix D. However, PacifiCorp retains the right to accept or reject of proposed changes to this document. Also see responses to Q&A #112 and #122.
167	1/13/2023	1/24/2023	Agreements / Contracting	We have a question on appendix C-1/C-2 as it pertains to Pumped Storage bids: Should PSH be filling in applicable cells in Tab 4 of Appendix C-2? The chart in Appendix C-1 has an X in tab 4 for PSH but the PSH-specific written section does not mention it (images below).	Yes. If a PSH bidder is offering a Pumped Storage BTA, then Appendix C-2, Tab 4 should be completed (if applicable) as well as both Tab 6 (cost data) and Tab 5 (technical specifications). If a bid is being offered as a tolling agreement, only Tab 4 and 5 would be necessary.
168	1/13/2023	1/24/2023		•Appendix B-2, page 3 states: "A description of site layout including proximity to interconnection points, ingress and egress, local communities, and environmental features. The proposed site(s) must clearly be shown on a United States Geological Survey (USGS) 7.5-minute series map." Can PacifiCorp clarify what they want shown in the layout for "local communities"?	If there are local communities in the proximity of the proposed resource which can be identified in the site layout, please provide any points of interest which may be relevant to permitting or stakeholders in the resource's ultimate approval process.
169	1/13/2023	1/24/2023	Agreements / Contracting	It appears that the results of Cluster Study 2 may preclude a significant number of projects from participating in the RFP, primarily because upgrade timelines extend beyond the RFP's required commercial operation date of December 31, 2027. (1) Please provide an explanation and supporting documentation for these lengthy upgrade timelines. For example, are the timelines the result of multiple interconnection requests or other forms of congestion within specific transmission bubbles, supply chain constraints, or other causes? (2) Has PacifiCorp or any of the three Independent Evaluators assessed whether these interconnection limitations will affect the competitiveness of this RFP? If not, please explain why not. If so, please provide the assessment. (3) Has PacifiCorp or any of the three Independent Evaluators considered whether it would be appropriate to provide a path to participation in the RFP for projects precluded from consideration solely as a result of upgrade timelines? If not, please explain.	(1) Questions related to the Cluster Study 2 results should be directed to PacifiCorp's Transmission function and PacifiCorp Transmission representatives. (2) There has been no assessment by PacifiCorp or any of the IEs that indicates interconnection limitations are likely to impact the competitiveness of the 2022AS RFP. PacifiCorp will reconsider this issue after market bids are received and reviewed, but notes that it received a robust response from the market with submittal of notices of intent to bid. (3) No. Such resources will have the opportunity to participate in future RFPs by the company.
170	1/13/2023	1/24/2023		For a solar farm, what point should we use on the project site for the equity questionnaire pertaining to the questions around facility proximity to community, would the project collector substation be acceptable?	Yes, for the purposes of completing Appendix P Equity Questionnaire, the project collector substation would be acceptable.
171	1/13/2023	1/24/2023	Transmission	Is a project with a suspended IA eligible to participate in the PAC RFP? If so, does a suspension impact the scoring of the project?	Yes, a resource with a suspended IA is eligible for the 2022AS RFP. No, the suspension does not impact the scoring in that it's in the developers control to "unsuspend" the IA so long as the resource description in the IA is consistent with the bid offering.
172	1/13/2023	1/24/2023	Agreements / Contracting	Is the successful shortlisting fee refundable?	No. In the event PacifiCorp pursues a success fee from resources on the final shortlist (consistent with page 21 of the RFP main document), it will not be refundable.
173	1/13/2023	1/24/2023	Agreements / Contracting	Is Development and Performance Security \$200/kW for both PV and BESS?	Yes, development security and performance security, referred to as "Project Development Security" and "Default Security", respectively, will be required based on the sum of the generating facility's Expected Nameplate Capacity Rating and the battery storage facility's Guaranteed Storage Power Capacity Rating. Please see the definition of "Project Development Security" in Appendix E-2.2.
174	1/13/2023	1/24/2023	Agreements / Contracting	What is the required timing of Development Security Posting?	The timing for posting of Project Development Security is set forth in the applicable resource contract executed between the parties. Please refer to the applicable pro-forma contract templates included in the 2022AS RFP.

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175	1/11/2023	1/24/2023	1/0/1900	16. Relating to Section 4.15 of Appendix A-1.6 (Cybersecurity Requirements) – are bidders required to only use Azure?	PacifiCorp requires use of Microsoft Azure AD for authentication and federation purposes, without exception.
176	1/13/2023	1/24/2023	Agreements / Contracting	Could you possibly provide an illustrative example of how the Delay Damages and Firm Market Price index formula would be calculated?	PacifiCorp will provide an excel file to all resources which are chosen to the final shortlist.
177	1/12/2023	1/24/2023	1/0/1900	Question regarding PAC's BESS Tech Specifications: *Transformers shall be located and installed in accordance with the location and separation requirements of NFPA 850 and FM Data Sheet 5-4." Data Sheet 5-4 is not referenced elsewhere, can PAC please clarify what is meant by "FM Data Sheet 5-4"?	FM Global Property loss prevention data sheets repository: https://www.fmglobal.com/research-and-resources/fm-global-data-sheets FM data sheet 5-4 is for Transformers. FM stands for Factory Mutual. FM approvals is the independent testing arm of international insurance carrier. FM Global.
178	1/4/2023	1/24/2023	Agreements / Contracting	To clarify the "Credit Requirements" section in Appendix D, are all bidders that would intend to post an LC to meet security requirements required to submit a commitment letter from the issuing bank at the time of bid submittal? Or should bidders follow the requirements in the second paragraph of that section, indicating that such commitment letters would be required within 20 business days after the bidder has been selected for the Final Shortlist?	See Q&A # 84
179	12/15/2022	1/24/2023	Other	Does PacifiCorp anticipate holding additional All-Source RFPs in the next year or two after the conclusion of the 2022 All Source RFP? If so and a bidder has a development project in PacifiCorp's transmission queue but is concerned it may not be mature enough to reach bid eligibility in this solicitation, would it be PacifiCorp's preference to offer it in the next RFP once it has further progressed, specifically in the transmission study process?	Yes. PacifiCorp has a cyclical planning-procurement process. Approximately every two years, PacifiCorp completes and files its integrated resource plan (IRP), and in response to resource needs identified in the IRP, PacifiCorp issues a requests for proposals (RFP) to identify and procure resources which provide customer benefit consistent with the IRP portfolio optimization evaluation process. Based on the results of the prior 2021 IRP, including planned coal retirements, the 2023 IRP may find additional resource need which require a RFP. For more information on the 2023 IRP public input process, please consult the website: https://www.pacificorp.com/energy/integrated-resource-plan/public-input-process.html
180	12/20/2022	1/24/2023	1/0/1900	Does the project curtailment per Wyoming's 2021 Industry Wildlife Stewardship Award (language included below and attached) only pertain to wind projects? We are preparing a bid for a solar project and want to confirm if this is inapplicable for solar production. "PacifiCorp was awarded Wyoming's 2021 Industry Wildlife Stewardship Award for its efforts to understand and minimize impacts to wildlife. In an effort to continuously advance this stewardship, PacifiCorp requests that all bidders include an appropriate deduction to its resource production estimates provided in Appendix C-2 to account for potential voluntary outages, cut-in speed adjustments and/or curtailment due to impacts to avian, wildlife and fish species, including impacts to eagles and bats. Such project curtailments would be non-compensable in any contract awarded in this RFP."	No, the language does not only pertain to wind projects. All resource types should consider any potential voluntary outages, cut-in speed adjustments and/or curtailment due to impacts to avian, wildlife and fish species, including impacts to eagles and bats and account for them in their resource production estimates. Such project curtailments would be non-compensable in any contract awarded in this RFP.
181	1/3/2023	1/24/2023	1/0/1900	Regarding Appendix A-5 Project Single-Line Drawing and Layouts, and the requirement that "Bidders shall provide a single line drawing and layout shown on a United States Geological Survey (USGS) 7.5-minute series map for the proposed resource and label the attachments as Appendix A-5 to their RFP bid response". Is the Single Line Drawing and layout to show only the collection system, only the HV substation and gen-tie, or both?	The layout should include the collection system, the gen-tie and the HV substation to the point of delivery.

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182	1/3/2023	1/24/2023	1/0/1900	Regarding Appendix A-9, • Are all line items required to meet the minimum criteria of Appendix L? • Can you confirm the meaning of the Go/No-go column? • At the top of the sheets there is the field "Completed by". Do you intend "Completed by" and should the bidder fill in the bidder name?	All line items are not required to meet the minimum criteria of Appendix L; however, PacifiCorp reserves the right to withhold the point score if bidders have not provided a reasonable level of detail upon which their bid is based. BTA bidders are expected to complete Appendix 9 consistent with the technical specifications in Appendix A-1. Bidders can disregard the "Go/No-Go" columns. Bidder should include the bidder name in the "Completed by" field.
183	1/5/2023	1/24/2023	1/0/1900	Can PacifiCorp please provide further background as to why LG Chem and CATL were removed from the 'Preferred Battery Suppliers' list in Appendix A-1.6?	LG Chem and CATL did not meet the criteria of PacifiCorp's Cyber Security Operations department and were therefore removed from the preferred supplier lists and will be considered prohibited vendors for BTA bidders.
184	1/5/2023	1/24/2023	BESS	Is PacifiCorp able to share which battery suppliers were utilized for any of their 639 MWs of battery storage projects included in their updated portfolio as reflected via their 2021 IRP Update (published March 2022)?	No. The battery storage resources selected in the 2021 IRP Update are proxy resources and not reflective of any specific supplier. For more information on how IRP resource tables are developed, please visit the IRP website and follow the public input process.
185	1/5/2023	1/24/2023	BESS	For BTA bids, is there any particular energy (MWh_ac) requirement at BOL such as meeting a 4hr duration at BOL or any targeting overbuild requirement such as 2 or 3 years overbuild as BOL capacity?	No. For more information on PacifiCorp's standards and technical specifications for BTA bids, please see Appendix A-1.
186	1/4/2023	1/24/2023	1/0/1900	For Appendix P Equity Questionnaire, is there a specific data source PAC prefers Bidders reference? Can Bidders use 2021 Census data?	Bidder should use 2021 Census data.
187	1/5/2023	1/24/2023	Resource Types	The proposed resource would be a closed loop pumped storage project. Does PAC want the the bidder to populate our own PSH tab in Appendix A-9? If not, can PAC provide an appropriate Supply Matrix Tab, or should we omit this appendix from our bid?	Yes, bidder should edit Appendix A-9 to capture the appropriate equipment for the bid technology.
188	1/12/2023	1/24/2023	1/0/1900	Question regarding PAC's BESS Tech Specifications: •"In addition, the BESS shall be capable of providing adequate energy to prevent load shedding under N-1 conditions on Owner's system and operating scenarios described in Section 5.6 - BESS Operation." Can PAC please clarify what is meant by "N-1" conditions?	"N-1" conditions are when the grid experiences an outage of a single transmission line, cable, transformer or generator without causing losses in electricity supply. When the electrical system experiences a component (generating facility) out of service, the BESS is expected to be capable of providing contingency reserve.
189	1/4/2023	1/24/2023	Schedule	Can PAC share a timeline for regulatory approval?	PacifiCorp anticipates it will have regulatory approvals by November 21, 2023 in order to execute agreements consistent with the RFP schedule.
190	1/13/2023	1/24/2023	1/0/1900	Is a letter of financial assurance due at bid submittal (highlighted below) from our parent company would suffice?	See Q&A # 84
191	1/5/2023	1/24/2023	1/0/1900	Pertaining to Section 2.4 of Appendix A-1.6 (Flexible Warranties) – are Flexible Warranties required?	PacifiCorp requires energy storage BTA bidders "to offer performance warranties that are flexible and allow for a variation in operating parameters,"
192	1/5/2023	1/24/2023	1/0/1900	Regarding question #11 above (Flexible Warranties) what are the long-term merchant market strategies that have been contemplated which would require the system to perform outside operating parameters? Will you define those parameters and assist with creating the formulas for the warranty?	Please see Appendix A-1.6, Section 2.2. Such parameters will be negotiated as part of the BTA contracting process.
193	1/5/2023	1/24/2023	1/0/1900	Pertaining to Section 5.2.3 of Appendix A-1.6 (Availability Guarantee) – is an augmentation period acceptable for planned outage?	Such parameters will be negotiated as part of the BTA contracting process.
194	1/5/2023	1/24/2023	BESS	Pertaining to Section 5.4.2 of Appendix A-1.6 (Augmentation) – please confirm that augmentation costs are not required to include in Seller's pricing for PPA bids and only required for BTA bids. In the case of PPA bids, is Seller required to provide battery degradation only or augmentation capacity during the project life?	Appendix A-1.6 applies to BTA bids. Augmentation costs are required to be included in Seller's pricing of PPA and tolling agreement bids. PPA and tolling agreement bidders are required to provide augmented bids for the contract term. BTA bidders are required to provide "unaugmented" bids in that augmentation decisions will be ultimately be determined by PacifiCorp.
195	1/13/2023	1/24/2023	Agreements / Contracting	Appendix A-9; What product data sheets and warranties should we furnish if final equipment selection has not been made yet? Can these be submitted upon shortlist?	Bidder is expected to base its bid on its best expectation of equipment and associated warranties to be used in the applicable timeframe. Bidder should submit indicative product data sheets and warranties for currently available equipment indicative of and consistent with what bidder anticipates it will incorporate in a final design.

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196	1/4/2023	1/24/2023	1/0/1900	Does PAC have a spreadsheet for Appendix A-10? Appendix A states, "included as a separate electronic spreadsheet" but doesn't provide a document. Should Bidders provide their own spreadsheet?	This is a type-o. There is not a spreadsheet for Appendix A-10; however, PacifiCorp encourages bidders to summarize the equipment warranties it's providing in a table form.
197	1/3/2023	1/24/2023	Resource Types	<p>In Appendix L, there is the minimum criteria "Appendix C-3 3rd Party Energy Performance Report. For wind submittals, one (1) an independent third-party or in-house wind assessment analysis/report supported by a minimum of (a) two years of wind data for BTA proposals from the proposed site or (b) one year of wind data for PPA proposals from the proposed site. Wind data shall support the capacity factor. For solar proposals, one (1) a PVSyst report, including the complete set of modeling input files in Microsoft Excel format that PacifiCorp can use to replicate the performance using PVSyst, PacifiCorp's preferred solar performance model, and two years of solar irradiance satellite data provided by Solargis, SolarAnyWay or on-site met data."</p> <p>In Appendix C-3, as for PPA bid data requirements, there is "Wind resource bids must include a minimum of one year of on-site meteorological tower data converted to an estimated MWh production on an hourly time scale. PacifiCorp will accept one year of solar irradiance satellite data provided from Solargis or SolarAnyWay in lieu of on-site solar panel met data for all solar PPA bids."</p> <p>In case of Solar resource, can you confirm that one year of solar irradiance satellite data provided from Solargis would be enough (instead of two years)? Additionally, we plan to generate an in-house report with an in-house tool different from PVSyst. If we provide such an in-house report detailing how it was prepared, answer the Solar questions in Appendix C-3 and provide the solar irradiance satellite data from Solargis, will we meet the minimum criteria or is it mandatory to provide a PVSyst report with the modeling input files in Excel?</p>	PPA bids require one year of on-site data, whereas BTA bids require two years of on-site data. Any BTA bidder who submits projects with no site specific/onsite renewable resource data and without at least two years of site coorelated third party data (e.g., Solargis or SolarAnyWhere) will not be considered a valid compliant bid. Solar bidders who are not using PVSyst must provide a list of inputs which can be used by PacifiCorp to run PVSyst and/or otherwise verify the resource production estimate.
198	1/5/2023	1/24/2023	Transmission	Can PacificCorp specify required pf at POI? The PacificCorp LGIA requires 0.95 pf but 0.9pf required as reflected in App_A1.6_BESS_Tech_Specification.	For PPAs, the power factor requirement is subject to PacifiCorp Transmission's LGIA. For BTAs, PacifiCorp has specified 0.90 pf for owned BESS resources. Bidder may bid a BTA with 0.95 pf so long as they list it as an exception to the Appendix A-1.6 technical specifications, subject to contract negotiations.
199	1/13/2023	1/24/2023	1/0/1900	What are the site control requirements for projects on Federal Lands?	For resources proposed on federal lands, Bidder shall have commenced the federal application process and can provide documentation sufficient to reasonably support that they will have all the necessary land rights by the proposed COD subject to Pacificorp's review.
200	1/11/2023	1/24/2023	1/0/1900	13. Relating to Section 2.1 of Appendix A-1.6 (System Sizing and General Requirements) – specifically describing 1.0 CP capability via one of the requirements – can PacifiCorp please explain more about the required CP rate since batteries may be able to support up to 0.5 CP for 2 hours or longer. To supply 1.0 CP power, different battery models may apply and inverters needed to consider in order to design the system	For BTA bids, PacifiCorp has specified that "Systems should be capable of achieving a full state of charge at a constant power charge rate of 1.0 (CP of 1)." Battery storage resource bids may offer different CP rates, but should clearly list the exception to the specification in their bid. If change to the specification is ultimately deemed to be unacceptable to PacifiCorp during the negotiation process, and if bidder is ultimately required to meet the pro forma specification, the price is not subject to change.
201	1/11/2023	1/24/2023	1/0/1900	14. Relating to Section 4.14.1.1 of Appendix A-1.6 (Fire Protection and Suppression) – what is the basis for the requirement outlining "when multiple outdoor battery enclosures are utilized, they shall be separated from each other in accordance with FM Data Sheet 5-33, either by 20 feet or masonry fire barriers, and NFPA-855." Is this necessary if the product has passed UL9540A testing with closer clearances?	The basis for this specification is safety. For BTA battery storage resources, bidders may offer different specifications; however, bidders should clearly list the exception to the specification in their bid. If change to the specification is ultimately deemed to be unacceptable to PacifiCorp during the negotiation process, and if bidder is ultimately required to meet the pro forma specification, the price is not subject to change.

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202	1/11/2023	1/24/2023	1/0/1900	15. Relating to Section 4.5.1 of Appendix A-1.6 (PCS Requirement) – Can PacifiCorp please provide further background as to the basis of the following requirement: "the PCS system shall include provisions for disconnection on both the AC and DC terminal, for maintenance work"? Should there not be a DC disconnect or does that disqualify the PCS?	PacifiCorp does not understand the question, whether the bidder is suggesting 1) the design does not include a DC disconnect or 2) the PCS system would not include provisions for disconnection on the DC terminal. Regardless, with respect to BTA battery storage resources, bidders may offer different specifications; however, bidders should clearly list the exception to the specification in their bid. If change to the specification is ultimately deemed to be unacceptable to PacifiCorp during the negotiation process, and if bidder is ultimately required to meet the pro forma specification, the price is not subject to change.
203	1/11/2023	1/24/2023	1/0/1900	17. Relating to Section 4.22.3 of Appendix A-1.6 (Operability and Safety) – Should all systems be designed in a redundant form even SCADA and historian server? Does this requirement mean that bidders have to use the safety relay that has two sets of contacts?	SCADA and data historian server specifications are found in Section 6 of Appendix A-1.6: "Single point of failure contingency" shall be incorporated into the Project design such that the loss of any single process device, instrument or switch shall not interrupt BESS availability to the grid. Section 4.14 covers Fire Suppression Protection and Suppression. Bidder may list exceptions to the specifications; however, any proposed changes are at bidder's risk. If change is ultimately deemed to be unacceptable to PacifiCorp, bidder will be asked to revert to the specification, and the price is not subject to change.
204	1/11/2023	1/24/2023	Transmission	18. Relating to Section 6.1.1 of Appendix A-1.6 (Network Servers) – Do bidders have to use only the MESA protocol?	Section 6.1.1 of Appendix A-1.6 states: "All hardware and software shall support and implement standard, open protocols and datasets as specified in the MESA-ESS and MESA-DEVICE standards. No proprietary protocols shall be utilized. The BESS SCADA System shall retrieve data from all capable devices within the BESS and interconnect substation. The BESS SCADA System shall be capable of interfacing with Owner's external historian database protocol systems with full MESA-ESS Level 3 compliance." Bidder may list exceptions to the specifications; however, any proposed changes are at bidder's risk. If change is ultimately deemed to be unacceptable to PacifiCorp, bidder will be asked to revert to the specification, and the price is not subject to change.
205	1/3/2023	1/24/2023	BESS	In Appendix A-1.6 BESS Tech Specifications – specifically section 2.1 dubbed System Sizing and General Requirements – PacifiCorp mentions that "for solar paired assets, the BESS AC power capacity base case is 25% of Solar AC rated generating capacity; Seller is free to offer additional options or variations from this base case." 1.Does this entail that PacifiCorp has a preference for 25% of Solar AC rated generating capacity over other percentages such as 50% generating capacity?	The 25% specification is no longer applicable. Bidders are encouraged to bid a energy storage capacity size they believe offers the most customer benefit. The 2023 IRP resource table currently includes 100%, 4-hour resources.
206	1/3/2023	1/24/2023	BESS	In Appendix A-1.6 BESS Tech Specifications – specifically section 2.1 dubbed System Sizing and General Requirements – PacifiCorp mentions that "for solar paired assets, the BESS AC power capacity base case is 25% of Solar AC rated generating capacity; Seller is free to offer additional options or variations from this base case." 2.If a Bidder offers a different percentage – such as 50% – of Solar AC rated generating capacity as opposed to 25% (resulting in just one single co-located storage capacity size of 50%), would this require a Reduce-Priced Alternative Bid Fee of \$5,000 given that 25% is the "base case" as per the RFP? Or – since this would be the only co-located capacity size submitted – no additional bid fees would be required?	If bidder offers multiple co-located energy storage capacities, they would be subject to the reduced price bid alternative of \$5,000. Also see Q&A #205.

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207	1/10/2023	1/24/2023	Transmission	<p>Can a renewable resource be bid as long-lead time resources due to lengthy (non-standard) permitting and construction timelines as documented in their Cluster and/or Facilities studies?</p> <p>Per the RFP document, it states that eligible projects require both "...a state or federal licensing process and a prolonged construction cycle outside the normal scope of wind/solar renewable development cycle projects." Per the reasons below, Novis believes these projects satisfy the definition of long-lead time resources.</p> <p>1)In reviewing the schedule below provided in the Facilities Study, PacifiCorp has estimated approximately multi- year period between LGIA execution and transmission in-service, not including the construction time they will require to construct the new transmission line identified as a contingent facility in the Study. This construction cycle is outside the normal scope of a solar renewable development project.</p> <p>2)PacifiCorp has also outlined a multi-year, long-lead time permitting process to acquire Transmission Provider Property/Permits/ROW Procured</p> <p>3)The new transmission line, as noted above, is a contingent facility required by PacifiCorp to be built at their own expense with a timeline between LGIA execution and transmission in-service of multi years, which also requires State/Federal licensing, including completion of the NEPA process.</p> <p>4)In addition, there is another issue for consideration, that could also impact the project schedule provided in the Facilities Study. At least two (2) projects have recently been withdrawn from the Cluster Study/Cluster Area group of projects. PacifiCorp is presently evaluating whether a re-study of the Facilities Study will be required, and it is possible that a re-study could determine that these long-lead time items are no longer required, or that the project timelines could be reduced.</p>	<p>PacifiCorp allows for certain long lead-time resources in order to allow certain resources which require multi-year construction schedules to have the opportunity to bid into the RFP. Resources such as pumped storage hydro and geothermal can have three or more year construction schedules and when combined with the final permitting, engineering and procurement activities, they would never be able to achieve a COD within three years of contract execution without the long lead-time designation. The long lead-time designation was not intended to allow for multi-year permitting and construction of transmission to enable standard wind and solar construction schedules. Those resources can wait until the transmission is more mature and bid into future RFPs.</p>
208	1/9/2023	1/24/2023	Other	<p>PAC's Generation Interconnection Cluster 2022 recently completed its cluster study. Re-studies and facility studies will follow up soon. Would the RFP team re-evaluate cluster 2 bids based on the latest re-studies in terms of COD and network upgrade cost?</p>	<p>No. The RFP requires firm pricing and bidder is responsible for any risks or cost changes related to their interconnection process. Therefore, a bidder's offering can either be withdrawn or proceed forward at the pricing provided in the bid offering at the 2022AS RFP market bid due date.</p>
209	1/27/2023	2/9/2023	BESS	<p>1)Please confirm if you are expecting to allow grid charging for Battery Storage projects starting in Year 1. The documentation indicates that grid charging will not be allowed for the first five years.</p>	<p>Yes, PacifiCorp is permitting bids that include grid charging starting in year one. The documentation which indicated that grid charging would not be allowed for the first five years was drafted prior to the Inflation Reduction Act and is no longer applicable.</p>
210	1/27/2023	2/9/2023	BESS	<p>2)Grid charging – Presently the PPA for the co-located resource is written as though those resources will only be charging the BESS from the PV. There are only two meters defined as follows:</p> <p>a. Generating Facility Metering Point – point at the Generating Facility at which Output flowing after the Generating Facility's inverters but before the Point of Delivery and/or the Storage Facility is measured.</p>	<p>Bidders are requested to identify this in their issues lists and pro forma redlines. Proposals should be consistent with one-line diagrams representing power flows and how generation is ultimately metered into PacifiCorp Transmission.</p>
211	1/27/2023	2/9/2023	BESS	<p>2)Grid charging – Presently the PPA for the co-located resource is written as though those resources will only be charging the BESS from the PV. There are only two meters defined as follows:</p> <p>b.Storage Facility Metering Point – point of interconnection between the Generating Facility and the Storage Facility</p>	<p>See response in Q&A ID #210.</p>
212	1/27/2023	2/9/2023	BESS	<p>2)Grid charging – Presently the PPA for the co-located resource is written as though those resources will only be charging the BESS from the PV. There are only two meters defined as follows:</p> <p>c.Point of Delivery – the point of interconnection between the Facility and the System (no meter defined).</p> <p>In other words, the PPA cannot accommodate a scenario where the BESS is grid charged as presently written. How does PacifiCorp intend to accommodate grid charging for hybrid projects with its current metering requirements?</p>	<p>See response in Q&A ID #210.</p>

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213	1/27/2023	2/9/2023	BESS	3)In the 'Battery Pricing & Ops' tab of the 'App_C-2_Bid_Summary_and_Pricing_Input_Sheet', please confirm that we should enter 'zero' in the columns I & J if it doesn't apply to our BTA bid. Further, why would annual pricing apply to BTA bids if those bids reflect a sale to PacifiCorp prior to the operational term?	For a BTA offering, please fill out columns C,D,E F and AA. While PacifiCorp would be the owner after COD, bidder should provide assumptions regarding column Y for an "unaugmented" battery, and so PacifiCorp requests that this column of information also be provided.
214	1/23/2023	2/9/2023	Other	1.Will PacifiCorp require winning bidders to maintain Green-E certification or just maintain their registration in good standing with the Center for Resource Solutions's Green-E program?	PacifiCorp will require winning bidders to maintain their Green-E certification.
215	1/23/2023	2/9/2023	1/0/1900	2.In Appendix C-2, Tab 1, if Bidder's answer to Field ID 25 is "no", do Fields 26-33 need to be filled out? This section seems to only apply to PAC-interconnected projects, but the red color indicates the answers are required (and some drop-downs don't have "N/A" as an option), but there does not appear to be a section within this document to provide status of interconnection studies from the 3rd party.	If Field ID 25 is "no", Field ID 26-33 are do not need to be filled out. However, information requested in Field ID 34-37 is requested,
216	12/26/2022	2/9/2023	Transmission	•Will PAC allow metering for a PV facility that is co-located with storage to be settled on the MV side of the transformer / substation and not on the HV side?	Bidders are requested to address this in their issues lists and pro forma redlines. Proposals should be consistent with one-line diagrams representing power flows and how generation is ultimately metered by PacifiCorp Transmission.
217	12/26/2022	2/9/2023	BESS	•Would we have to amend an existing PPA for a solar facility that we want to add a BESS facility to if we need to move the point of settlement?	An amendment to the PPA may be necessary of the bidder wishes to "share/co-locate" the BESS with the existing solar facility and share its existing Large Generator Interconnection Agreement (LGIA) from PacifiCorp Transmission. This is plausible, but the output of both the BESS and solar generator would be capped by the LGIA generation limits. Additionally, see Q&A ID #210 for grid charging requirements.
218	1/27/2023	2/9/2023	1/0/1900	In the 2020 RFP there were more stringent financial reporting requirements for BTA bids (ex. pro forma financial statements, sources of cash etc.). For this RFP are we still required to submit financial statements or is the information outlined for BTA bids in the Appendix C-2 sufficient?	Bidders must complete Appendix D in addition to the information required in Appendix C-2.
219	1/27/2023	2/9/2023	Other	Would it be possible to provide a template for Appendix C-3 – Energy Performance report, in particular for the storage section? Additionally are Excel files acceptable for the storage section?	PacifiCorp will not provide a template, but bidders can copy the Appendix C-3 and respond in-line to each of the requirements. Yes, Excel files are acceptable for the storage section.
220	1/27/2023	2/9/2023	Other	We are preparing our bid for the 2022 All-Source RFP and are inquiring as to whether an extension to the due date is possible.	Yes. See notice dated February 2, 2023 posted to the 2022AS RFP website
221	1/27/2023	2/9/2023	Other	•Does PacifiCorp make a distinction between "PacifiCorp owned" versus PacifiCorp entitled or contracted capacity to satisfy the RFP requirement to deliver full output of the project to PacifiCorp's transmission system?	PacifiCorp makes no distinction between assets built and owned by PacifiCorp (benchmark bids) vs. assets built by developers and turned over to PacifiCorp for its operating life (BTA or built and transferred bids) vs. power purchase agreements between developers and PacifiCorp. The evaluation of all three types of potential transaction are all financially modeled (their costs) on an nominal levelized basis and their benefits are derived by stochastic modeling in PLEXOS by our IRP team. All modeling and results are further review by the three independent evaluators to assure consistency and fairness in the valuation process.
222	1/27/2023	2/9/2023	Transmission	•Must capacity be posted as available on OASIS from the POD for a project to remain eligible for the RFP?	This question requires restatement. However, if this is a question specific to off-system bids, please consider Section 5.E in the main 2022AS RFP document.
223	1/27/2023	2/9/2023	Transmission	•Does a future redirect of requested capacity meet eligibility requirements? (The project can demonstrate capacity and/or a transmission service agreement from the project to a PacifiCorp point of delivery with TTC, but PacifiCorp has more TTC capacity available at a different POD that the project owner could redirect capacity to.)	This question requires restatement. However, if this is a question specific to off-system bids, please consider Section 5.E in the main 2022AS RFP document.

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224	1/26/2023	2/9/2023	Price Score	•Please explain why Appendix C-2 Tab 3 for PPA Pricing requests separate pricing for On Peak and Off Peak categories when the PPA draft in App E-2.2 has only a single Contract Price for any given year? If we wish to bid only a single price / MWh for all of our output on a unit contingent / as generated basis should we simply repeat the same number for each of the On Peak and Off Peak columns in Tab 3?	Yes and Yes.
225	1/26/2023	2/9/2023	Agreements / Contracting	•When we provide an 8760 production estimate for a solar + storage bid, either PPA or BTA, should our production shape reflect the solar production only and ignore the battery? If not, how should we adjust the 8760 for the presence of the battery, considering PacifiCorp will control the battery dispatch?	The 8760 provided for any solar + BESS bid should ONLY reflect the bidder's generation profile for the solar generation facility.
226	1/26/2023	2/9/2023	Agreements / Contracting	Can PacifiCorp please provide additional guidance around the amount of non-compensable curtailment we should assume for solar, battery, and wind projects due to wildlife? Does this pertain to all projects or just those located in Wyoming?	This type of assessment is project specific and would be analyzed by the entity providing the bidder's solar/wind long term resource assessment (8760). This would apply to any project bidding into the 2022AS RFP. Any resource which expects to be de-rated or otherwise curtailed due to wildlife should incorporate such expected losses as part of its 8760.
227	1/25/2023	2/9/2023	Other	Will the Benchmark bids be made public or otherwise available to us prior to the Feb 14 bid deadline? If yes, when would they be available and how would we access them?	No.
228	1/25/2023	2/9/2023	Other	In Appendix C2 – Tab 1 Data Inputs, questions 24, 32, 43-44, 65-68, 70-73, 77, and 84 all are marked as “[Reserved]” some of these questions are noted with a red highlight which will impact scoring if not answered. Could you please provide guidance on how these questions are supposed to be answered?	Bidders should skip (ignore) any line items which are labeled as [Reserved]. The line item has been deleted but the RFP team did not want to change the original line item numbering for rows below the deleted items.
229	1/12/2023	2/9/2023	Other	Question regarding PAC's BESS Tech Specifications: •"The objective of the Project Energy Capacity Test Procedure is to demonstrate to Owner that the Project has achieved the Energy Performance Guarantee (in MWAC) under project test conditions. " Please confirm if energy capacity will be measured in MWh-AC or MW-ac (power capacity).	For BTAs, performance testing will be based on a MWhs-AC delivered divided by number of hours of test period. For BTAs, the test to determine Energy Performance Guarantee will be bilaterally negotiated following a BTA being accepted to the final shortlist. Bidder may assume that testing will be no less rigorous than the performance testing outlined in Appendix E-3 Tolling Agreement Documents, Exhibit T.
230	1/12/2023	2/9/2023	Other	Question regarding PAC's BESS Tech Specifications: •Page 43 of BESS Tech Spec: "As a minimum, Seller shall provide on-site storage of clean agent reserve cylinders for the largest single clean agent system and the means for quickly replacing the used cylinders with the uninstalled reserve cylinders, it is highly recommended that the" Sentence appears to cut off. Can PAC please provide the missing language, if any?	The amended language should be: "As a minimum, Seller shall provide on-site storage of clean agent reserve cylinders for the largest single clean agent system and the means for quickly replacing the used cylinders with the uninstalled reserve cylinders."
231	1/0/1900	3/8/2023	Transmission	Can you please confirm that the relevant tariff schedules for determining aux load? 047T_Large_General_Service_Partial_Requirements_Service_Metered_Time_of_Use_1000_kW_and_Over.pdf and 048T_Large_General_Service_Metered_Time_of_Use_1000_kW_and_Over.pdf	Please contact your PacifiCorp Transmission representative. PacifiCorp ESM does not provide guidance specific to PacifiCorp Transmission information requests.
232	1/27/2023	3/8/2023	Price Score	Does PacifiCorp make a distinction between "PacifiCorp owned" versus PacifiCorp entitled or contracted capacity to satisfy the RFP requirement to deliver full output of the project to PacifiCorp's transmission system?	PacifiCorp owned (benchmark bids) and contracts/entitled bids (PPAs and BTAs) are all viewed and evaluated equivalently based on the bid information provided. The ability for bidders to deliver output to PacifiCorp Transmission is defined below in Q&A ID 233.
233	1/27/2023	3/8/2023	Transmission	Must capacity be posted as available on OASIS from the POD for a project to remain eligible for the RFP?	No, however see response to Q&A ID #234.

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234	1/27/2023	3/8/2023	Transmission	Does a future redirect of requested capacity meet eligibility requirements? (The project can demonstrate capacity and/or a transmission service agreement from the project to a PacifiCorp point of delivery with TTC, but PacifiCorp has more TTC capacity available at a different POD that the project owner could redirect capacity to.)	No. Bidders must have firm rights upon contract execution. The 2022AS RFP requires that all generation resources connected to PacifiCorp Transmission have a completed System Impact Study (SIS) from PacifiCorp Transmission validating interconnection costs and timing for interconnection. Therefore, without a SIS, the bid will be deemed non-compliant. Specific to off-system resources, the 2022AS RFP rules stipulate that bidders provide proof of firm delivery service to a PacifiCorp Transmission point of interconnection. Developer will be required to provide an assessment from the third party transmission provider stating firm transmission rights exist from the developer's generation asset to the designated PacifiCorp Transmission point of interconnection.
235	2/1/2023	3/8/2023	Other	Should our App C-2 8760 data include nighttime losses? The first line 'Net energy delivered to PacifiCorp' seems to only be requesting production values, not nighttime losses. But the comment '(solar generation profile -net of losses)' makes it seem like we should include nighttime losses. Please advise.	Nighttime implies station service - not losses. Include the impact of station service not supplied by a third-party, so long as the 8760 production profile included in the bidder's Appendix C-2 is consistent with its Appendix A-2 interconnection documents, Appendix A-9 equipment, Appendix A-5 single line diagrams and any proforma contractual agreement redlines/comments to Appendix E and F.
236	1/0/1900	3/8/2023	Other	We understand from page 6 of the RFP Main Document that following PAC's selection of resources in its 2022 AS RFP and additional resources that may be required to meet specific state requirements, there may be an opportunity for PAC to conduct a "secondary process" to supply voluntary customer programs, including customers interested in RMP's Schedule 32 in Utah. While we haven't seen any additional information on the RFP website regarding this secondary process (besides mention of this option in the Q&A document), we did see an IRP stakeholder presentation dated September 2022 that indicated that an expression of interest would be required by March 2023 to seek this option. Please advise on next steps or any further guidance on the RFP website or elsewhere that will help us navigate the process and requirements necessary to evaluate this path forward.	Corporate, government, municipal and the commercial customers should contact their regional business managers.
237	3/7/2023	3/8/2023	Transmission	1.The RFP states that "For any bid that is proposing to interconnect to a third-party transmission system and secure transmission service to deliver the output to PacifiCorp at PACE or PACW", would bids delivering power to MIDC also be considered?	No. See Q&A #145
238	3/7/2023	Revised 3/10/23	Transmission	2.We are in the process of updating our interconnection agreement with PGE, which is set to expire in 2025, this process is being expedited but will not be completed prior to the bid deadline. As a result we have not yet put in a request for long term firm transmission, would bids without such request be considered?	Bids will be considered if they have a completed interconnection study and/or agreement <u>supporting their bid</u> , and <u>for an off-system bid</u> , they can demonstrate firm transmission rights exist from the developer's generation asset to the designated PacifiCorp Transmission point of interconnection. If an <u>off-system</u> bidder can demonstrate how they will have firm rights upon contract execution, they will be considered.