

PacifiCorp 2022 All-Source Request for Proposals

Bidder's Conference

May 6, 2022



Logistics

Conference Date and Time

- May 6, 2022

9:30 AM to 12:00 Pacific (10:30 AM – 1:00 PM Mountain)	General RFP structure, deliverables, schedule, requirements, scoring and final shortlist determination
12:00 PM to 1:00 PM Pacific (1:00 PM – 2:00 PM Mountain)	RFP forms and bid preparation

Location

- Microsoft Teams meeting
Join on your computer or mobile app
[Click here to join the meeting](#)
- Join with a video conferencing device
berkshirehathawayenergy@m.webex.com
Video Conference ID: 119 140 040 2
[Alternate VTC instructions](#)
- Or call in (audio only)
Phone Number: (563) 275-5003 [Find a local number](#)
Phone Conference ID: 925 883 648#

Agenda

- 2022AS RFP - Key Points
- Role of Independent Evaluators (IEs)
- Schedule
- Bid Fees
- Resource Types
- Bid Structures
- Interconnection Requirements
- RFP Documents
- Evaluation and Selection Methodology
- Independent Evaluators
- Next Steps
- Questions and Comments
- RFP Forms and Bid Preparation



General RFP Overview

9:30 AM – 12:00 PM PT

10:30 AM – 1:00 PM MT

2022AS RFP Key Points

- Action item out of PacifiCorp's 2021 Integrated Resource Plan (IRP) established an all-source RFP in 2022 (2022AS RFP), driven by the IRP preferred portfolio, which targeted approximately 1,345 megawatts (MW) of new renewable wind and solar resources, 600 MW of new co-located battery energy storage system (BESS) capacity, and new proxy demand-side resources (demand response) by the end of 2026.
- RFP is all-resource and will accept all resource types and sizes.
- RFP will accept bids that can achieve commercial operation by December 31, 2027.
 - PacifiCorp will also accept bids from pumped storage hydro, geothermal and nuclear resources requiring longer lead time to develop and construct so long as they can demonstrate their ability to be commercially operational by December 31, 2028.
- Proposals must be capable of interconnecting with or delivering to PacifiCorp's transmission system in its east or west balancing authority areas (PACE and PACW, respectively).
- PacifiCorp is planning to submit several self-build ownership proposals (benchmark resources).
- Three independent evaluator (IEs) have been retained to oversee the 2022AS RFP on behalf of the Public Utility Commission of Oregon, Utah Public Service Commission, and Washington Utilities and Transportation Commission.
- Notice of intent to bid (NOI), including a cyber security attestation and bidder credit information, are requested prior to bid submittal(s) by November 17, 2022.

Role of the Independent Evaluator (IE)

1. Consistent with Oregon, Utah and Washington rules.
2. Review draft RFP document and stakeholder comments to facilitate final RFP for commission approval.
3. Facilitate and monitor communications between PacifiCorp and bidders.
4. Review and validate the bid submittals and non-conforming bid decisions.
5. Analyze, operate and validate models, assumptions and inputs used in the RFP process, including the evaluation of bids relative to price and non-price scoring.
6. Solicit additional information on bids necessary for screening and evaluation purposes.
7. Ensure that all the bids are treated in a fair and non-discriminatory manner.
8. Monitor, observe, validate and offer feedback to PacifiCorp and the state regulatory commissions (Oregon, Washington and Utah).
9. Perform other evaluations and tasks as directed by state regulatory commissions (Oregon HB2021 and sensitivity analyses, for example).

There will be three IEs overseeing the 2022AS RFP (Oregon, Washington and Utah).
Contact information is provided on slide 23.

Proposed 2022AS RFP Schedule

Milestone	Date
2022AS RFP Issued to market	04/29/2022
Interconnection and Transmission Workshop	05/04/2022
First Bidders Conference	05/06/2022
PacifiCorp OATT - Cluster Study Request Window closes (deadline)	05/15/2022
Demand-side Voluntary Targeted RFP Issued to Market, as necessary	08/31/2022
Demand-side RFP notice of intent to bid due	09/30/2022
Second Bidder Workshop	10/20/2022
Last day for RFP questions to IEs for Q&A	11/01/2022
Cluster study results posted to OASIS / bidders notified by PacifiCorp Transmission	11/12/2022
Notice of Intent to Bid due	11/17/2022
Benchmark bids due	11/21/2022
Demand-side Voluntary Targeted RFP bids due	11/30/2022
PacifiCorp completes non-price scoring, bid preparation models and initial price scoring of benchmark resources in accordance with OAR 860-089-0350 (1)	01/12/2023
IEs complete review of benchmark bid evaluations, including non-price scores, bid preparation models, and indicative pricing in comparison with proxy resources	02/13/2023
PacifiCorp files benchmark bid evaluation in accordance with OAR 860-089-0350 (1)	02/13/2023
RFP bids due from market	02/14/2023
Capacity factor and BESS evaluation of bids started	02/16/2023
PacifiCorp completes bid eligibility screening	03/16/2023
IE completes review of bid eligibility screening	03/23/2023
PacifiCorp completes due diligence and non-price scoring of market bids	04/13/2023
IEs complete review of non-price scoring	04/27/2023
Capacity factor and BESS evaluation of bids completed	04/27/2023
PacifiCorp completes bid preparation models for supply-side and demand-side market bids and provides all inputs to portfolio optimization team for upload into PLEXOS alongside benchmark resources files previously provided and uploaded	04/27/2023
PLEXOS generates price score and preferred portfolio for each benchmark and market bid in consideration of all bids	06/26/2023
Final Shortlist (FSL) selected	06/26/2023
IEs' review of FSL completed	07/17/2023
Complete negotiation of T&Cs for resource agreements	11/10/2023
Execute agreements	11/21/2023
Bid validity date	11/21/2023
Winning bid guaranteed COD	12/31/2027

2022AS RFP – Bid Fees

Bidders =< 5 MW:	\$1,000 per MW bid
Bidders > 5MW:	\$15,000 base bid
Reduced Price Bid Alternative:	\$5,000 for each alternative bid

- Bid alternatives: For each base bid, bidders can provide three alternatives
 - One free alternative provided for a different diversity (or “labor”) strategy
 - For the second and third bid alternatives, a resource may offer two free bids alternatives, two reduced price alternatives, or one of each
 - A free bid alternative is defined as a change to the contract term length or the pricing structure (fixed price vs. escalating).
 - A reduced-price bid alternative of \$5,000 per alternative for moderately different bids which is defined by a change to the COD (or contract start date) or a change to the co-located storage capacity or storage duration.
 - Bidders may offer additional bid alternatives for a \$15,000 bid fee.
- Changes to location, technology or underlying generating resource nameplate capacity (MW) are not available as bid alternatives but can be bid as new base bids subject to applicable fee.
- For more information, please see the Bid Attribute table in Section 3.G of the Main RFP document and Appendix B-1.2 Bid Fee Calculator Worksheet.
- Bid Fees must be paid by wire transfer to PacifiCorp. PacifiCorp will email wire transfer instructions to all bidders who have submitted a notice of intent to bid. Instructions will be emailed at least five (5) business days before the bid deadline. Bidder must provide documentation of submitted Bid Fees as part of their bid documentation, such as a pdf receipt of the wire transfer or wire transfer confirmation number.
 - The bid fee is non-refundable. Bid fees will only be refunded if i) the bid is withdrawn before the submittal due date, ii) the bid does not meet the minimum eligibility requirements and the deficiency cannot be cured, or iii) the bid is rejected for any other non-conformance before commencement of the evaluation and selection process.
- In addition to the Bid Fees, a success fee may be charged to successful bid(s) selected for the final shortlist. Success fees shall not exceed the lesser of \$5,000 dollars per MW or a cap of \$300,000 per bid.

<u>Resource Types</u>	Bid Structure Accepted				
	Bench- mark	PPA	Tolling Agreement	BTA	Professional Services Agreement
Resource Type					
Renewable	X	X		X	
Renewable plus Battery Storage	X	X		X	
Non-Renewable		X		X	
Standalone Battery Storage	X		X	X	
Pumped Hydro Storage / Nuclear	X		X	X	
Demand-side Resource / Other		X	X	X	X

- Bids will be accepted for new resources. Bids for existing operating facilities will be accepted subject to the following conditions:
 - Bidder cannot terminate an existing contract to bid into the 2022AS RFP;
 - The existing contract must expire before the required on-line date as proposed in a bidder's bid but no later than December 31, 2027; and
 - Bid must meet all other requirements in the 2022AS RFP.
- All capacity, energy, and associated environmental attributes go to PacifiCorp.
- BTA bids MUST directly interconnect to PacifiCorp's system.
- BTA projects must be constructed to PacifiCorp specifications.

Bid Structures

- 1. Benchmark** transaction whereby PacifiCorp proposes to develop, construct, own and operate a bid project. Under this transaction structure, PacifiCorp will be responsible for all required development, design, equipment supply, construction, commissioning, and performance testing.
- 2. Build-transfer** transaction whereby the bidder develops the project, assumes responsibility for construction and ultimately transfers the completed asset to PacifiCorp in accordance with the terms of a build-transfer agreement (BTA).
 - PacifiCorp will ONLY accept BTA bids that are directly interconnected to PacifiCorp's system.
 - Bidder responsible for all development, design, equipment supply, construction, commissioning, and performance testing, and will be required to design and construct the resource in conformance with PacifiCorp's specifications.
 - PacifiCorp will not accommodate BTAs that involve the ultimate transfer of a project company to PacifiCorp.
- 3. Power-purchase agreement (PPA)** requires exclusive ownership by PacifiCorp of any and all capacity, ancillary services, and environmental attributes associated with all energy generated.
 - Renewable resources bid with collocated storage will include a \$/MW-month tolling price for the right to dispatch the battery.
 - PacifiCorp will accept PPAs with 5 to 30-year contractual term lengths.
 - Collocated renewable resource with storage must offer the same term length for the BESS as the renewable resource.
- 4. Tolling agreement** requires exclusive rights by PacifiCorp to dispatch standalone storage or pumped-hydro storage on a \$/MW-month basis over the proposed 5 to 30-year term. Pumped Storage Hydro (PSH) bids may offer bids up to the term of the operating license.
- 5. Professional services agreement** whereby bidder offers demand-side resources to PacifiCorp.

2022AS RFP - Interconnection vs. Transmission

- For the purposes of the 2022AS RFP, PacifiCorp will consider resources which can demonstrate ability to directly interconnect with, or if off-system, deliver firm energy to PacifiCorp's East and PacifiCorp's West balancing authorities (PACE and PACW, respectively) by the proposed COD.
- As part of the evaluation process, PacifiCorp will consider a bidder's ability to **interconnect** (via its interconnection study or interconnection agreement, as applicable).
 - After a binding contract is executed, PacifiCorp's merchant function is responsible for requesting and arranging for transmission from the Point of Delivery (POD) to load (see Section 4.4 of pro forma agreements in Appendix E).
- For off-system bidders, as part of the evaluation process, PacifiCorp also will consider a bidder's ability to obtain transmission service.
 - An off-system bidder is responsible for providing 3rd party transmission service to POD on PacifiCorp's system. After a binding contract is executed, PacifiCorp's merchant function will be responsible for requesting and arranging for transmission service from POD to load subject to Section 4.4 of the pro forma agreements in Appendix E.
- Eligible Interconnection Documents (Appendix A-2):
 - Small and Large Generator Interconnection Agreement
 - Fast Track Process
 - Interconnection Facilities Study
 - Surplus Interconnection Service Study
 - Cluster Study
 - System Impact Study (3rd party transmission provider's for off-system bids)
- An Informational Interconnection Study is not sufficient interconnection documentation to be considered eligible for the 2022AS RFP.

2022AS RFP – New Interconnection Studies

- Large and small generator on-system resources without an existing interconnection agreement or existing interconnection study must enter into the 2022AS Cluster Study **before the Cluster Request Window closes on May 15, 2022** to be eligible for the 2022AS RFP.
 - Small generator on-system resources may be eligible for the Fast Track Process; however, if they do not qualify, a completed cluster study will be required.
- PacifiCorp’s RFP Team encourages new cluster study requests to be for both Network Resource Interconnection Service (NRIS) and Energy Resource Interconnection Service (ERIS).
- PacifiCorp’s RFP Team encourages new participants to review OASIS and has provided Appendix H-3 as consideration for the number of existing interconnection commitments (executed LGIAs) and existing study positions from prior cluster studies in various cluster areas.

<https://www.oasis.oati.com/ppw/index.html>

Main RFP Document – Summary of Sections

Main

Section 1. Introduction

- 1A – Purpose and scope
- 1B – Interconnection requirements
- 1C – Transaction types
- 1D – Benchmark and affiliates transactions
- 1E – Operating capabilities of the resource

Section 2. Procedural items

- 2A – Independent evaluator
- 2B – PacifiCorp RFP organization and roles
- 2C – Standards of conduct, functions
- 2D – Confidentiality
- 2E – PacifiCorp reservation of rights, disclaimer

Section 3. General information and logistics

- 3A – Schedule
- 3B – 2022AS RFP Conference
- 3C – Intent to Bid Forms
- 3D – Submission of Questions
- 3E – Submission of Bids
- 3F – PacifiCorp’s Posting of Security
- 3G – Bid Evaluation Fees
- 3H – Bid Numbering and Naming Convention
- 3I – Minimum Eligibility Requirements

Continued

Section 4. RFP content and submittal instructions

- 4A – All proposals
- 4B – General organization of the bid submittal
- 4C – PPAs and Tolling Agreements
- 4D – BTA Agreements

Section 5. Resource information

- 5A – Bid Information and Pricing Inputs
- 5B – Technical specifications
- 5C – Resource performance estimates
- 5D – Interconnection of On-system resources
- 5E – Transmission Service for Off-system resources
- 5F – Network transmission Service
- 5G – Tax Credits
- 5H – Accounting
- 5I – Cost associated with direct or inferred debt

Continued

Section 6. Bid evaluation and selection

- 6A – Bid Eligibility
- 6B – Due Diligence
- 6C – Bid Preparation for PLEXOS
- 6D – PLEXOS analysis
- 6E – Final scoring and ranking
- 6F – Benchmark bid considerations
- 6G – State regulatory considerations
- 6H – Resources not selected to final shortlist

Section 7. Awarding of contracts

- 7A – Invitation
- 7B – Basis of Rejection
- 7C – Non-reliance letter
- 7D – Post-bid negotiation
- 7E – Subsequent regulatory action
- 7F – RFP results

Summary of RFP Appendices and Requirements

Appendices

Index of Appendices includes full list of appendices and clarifies which are required submittals

- Appendix A includes the technical specifications and bid requirements
 - All bids: Interconnection documents, permit matrix, single line diagram, equipment supply matrix,
 - BTAs: owner specifications, division of responsibility, real estate information, safety requirements plant performance guarantee
- Appendix B-1 includes notice of intent to bid (NOI) instructions and bid fee calculator*
- Appendix B-2 includes bid narrative requirements
- Appendix C-2 is the pricing and energy profile worksheet
- Appendix C-3 includes requirements for the energy performance report
- Appendix D includes credit requirements to be submitted with NOI
- Appendix E & F includes pro forma documents and summarizes bid requirements for power purchase agreements (E-2), tolling agreements (E-3) and build transfer agreements (F-2)
- Appendix G-1 includes the confidentiality agreement to be provided with NOI
- Appendix H includes a summary of IRP proxy resources, and OASIS queue information*
- Appendix J includes the Transmission Waiver
- Appendix K includes O&M Services Agreement Termsheet for BTA bids
- Appendix L is the self-scoring non-price scoring matrix*
- Appendix O summarizes benchmark bids PacifiCorp may bid into the RFP*
- Appendix P is a requested Equity Questionnaire (required for Washington resources)*
- Appendix Q includes the RFP requirements for demand-side (demand response) resources*
- Appendix S includes Berkshire Hathaway Energy cyber security requirements (to be posted to website by November 2022)
- Appendices I, M, N, and R are informational related to FERC standards of conduct, role of the independent engineer, RFP Team organization and code of conduct, and bid scoring examples.
- Appendix G-2 non-reliance letter is provided for final shortlist bidders

Appendices with an asterisk () indicates the appendix is new or significantly changed.

Evaluation and Selection

PacifiCorp will evaluate proposals based on the following:

1. Conformance with the RFP minimum eligibility requirements.
2. Cost to customers, determined by PacifiCorp's portfolio optimization model (PLEXOS) which is modeled by PacifiCorp associated with each bid submission.
3. Deliverability – or viability – of the resource including: ability to interconnect by the proposed COD, site control, development maturity (status of site studies (geotechnical/cultural/environmental/avian/wildlife/fish), permitting status, developer's experience, procurement and supply chain plan strategies, and demonstration that the project's COD will be achieved by December 31, 2027, or in the case of long-lead resources, the ability to reach commercial operation by 2028.
4. Transmission access and interconnection status in conformance with RFP requirements.
5. Technical design, feasibility, and compliance with defined RFP specifications.
6. Ability to provide acceptable credit security as determined by bidder's credit information.
7. Conformance with the terms and conditions in the pro-forma contracts including the PPA, BTA, tolling agreement, and professional services contract as applicable to the individual bid submissions.

Evaluation and Selection Process Steps

1. PacifiCorp Transmission posts interconnection cluster study results
2. Benchmark bid deadline for PacifiCorp.
3. Evaluation and scoring of benchmark bids with IE review.
4. Deadline for Market bids: PPA, BTA, tolling, and professional service agreements.
5. Eligibility determination: conformance to minimum requirements in RFP.
6. Input review:
 - Due diligence to determine non-price score (up to 25 points).
 - Third-party engineer review of resource production and energy storage estimates.
 - Bid preparation excel file prepares modeling inputs for PLEXOS and aligns bidder production estimates with modeled renewable output and load.
7. Portfolio Modeling: PLEXOS selects portfolio of resources and provides price score inputs (up to 75 points), which are combined with non-price scores (up to 25 points).
8. Compare bid ranking (up to 100 total points) to PLEXOS preferred resources and run additional PLEXOS iterations as needed to determine the final shortlist.
9. State compliance analysis.
10. Final shortlist notification by PacifiCorp.

See Slides 51-52 for a graphic representation of the evaluation and selection process steps

Non-Price Scoring Matrix

Non-Price Score Attribute	Points
Bid Submittal Completeness	5
Contracting Progress and Viability	5
Project Readiness and Deliverability	15
Total Score	25

- Non-price scoring matrix is to be self-scored by bidder. Bidders will receive 1 point for completing the matrix.
- PacifiCorp will audit the matrix with IE oversight before final non-price scores are determined. Bidders will be given two (2) business days to cure deficiencies.
- Bidder's may elect "N/A" and provide comments as appropriate.

- Bid Completeness:
 - Bid submittals are thorough, comprehensive and consistent.
- Contracting Progress and Viability:
 - Ability to contract with the resource on terms and conditions consistent with the bid and the pro-forma agreements included in the RFP.
- Project Readiness and Deliverability:
 - Development status and maturity.
 - Viability with respect to site control, studies and entitlements (permits, etc.), equipment and construction sourcing strategy, and other development and operational characteristics.
 - Satisfactory evidence of achieving commercial operation by the proposed online date, or for existing resources, ability to deliver firm power by the proposed delivery start date.

Price Scoring – Bidder Inputs

Each Proposal is required to include a completed Appendix C-2, which provides PacifiCorp a “numbers based” overview of the bid offering:

Appendix C-2 Inputs – Required for Bid Submittal	Location
Project Input Data	Tab 1
A forecasted first year 8760 generation profile (not including any storage/battery charging or discharging) including annual generation degradation	Tab 2
PPA Pricing ¹ for each year	Tab 3
Storage/battery pricing and operational requirements: <ul style="list-style-type: none"> ▪ Rated Storage Capacity (augmented) ▪ Storage Duration ▪ Full Cycle Charges per Day ▪ Calendar Year Degradation ▪ Calendar Year Efficiency Degradation ▪ Storage Ramp Rate 	Tab 4
Pump Storage Hydro (PSH) Pricing & Operations	Tab 5
BTA or Benchmark Pricing	Tab 6
Other bidder supplied information	Tab 10
<i>Not in use</i>	Tabs 7-9

¹Bid prices shall include interconnection costs. PacifiCorp separately includes the cost of network upgrades from the interconnection studies in the bid preparation model for use by PLEXOS to determine price scoring.

Eligibility and Bid Input Requirements for Energy Storage

- Energy storage evaluated as to “toll” or “call option” to PacifiCorp
 - Pricing: \$/kW-month for right to charge and discharge (dispatch) the storage facility.
 - Bidders may not charge or discharge the storage facility without PacifiCorp’s approval.
 - Bidder must be able to follow four section Automated Generator Control (AGC) signal.
 - Bidders must contract separately with local electric provider for station service and auxiliary load.
- Collocated battery energy storage system (BESS) specifications
 - BESS must be AC coupled.
 - PacifiCorp understands most bidders will specify that battery is charged during first five years from collocated renewable generation due to federal tax incentive recapture risk.
 - PacifiCorp requests collocated batteries are designed with ability to grid charge after recapture period.
- Rated capacity
 - Must be consistent with interconnection study (or agreement as applicable), or else have documentation from PacifiCorp Transmission that no material modification is required.
 - Lithium-based battery PPA and benchmark bids must assume price augmentation to maintain capacity and duration throughout contract life and specify:
 - Round trip efficiency.
 - Allowable full charge cycles.
 - Annual degradation schedule.
 - BTA bids shall specify how battery facilities will be designed to allow for future augmentation.
 - Other storage technologies must maintain original capability of proposed storage resource.

Bid Scoring and Final Shortlist Determination

1. RFP Team prepares bid preparation files which are uploaded to optimization models (PLEXOS)
2. PLEXOS Modeling:
 - Recommends a least-cost, least-risk portfolio of new resources.
 - Provides a numeric net system benefit (value in dollars) for each bid evaluated, which will be used to establish a price score.
 - Runs sensitivities related to portfolio reliability, cost/risk, state-specific compliance.
3. Total Scoring and Ranking:
 - PLEXOS-based Price Scores (0-75 points) are added to Non-Price score for each bid (0-25 points) to yield a Total Score (0-100 points) for each bid. Total scores are then used to rank bids for final shortlist.
4. Final Shortlist Determination:
 - Two scoring cases will be considered in developing the final shortlist.
 - Case 1: Scoring based on actual net benefit results ranked highest to lowest only;
 - Case 2: Scoring based on actual net benefit results ranked highest to lowest plus a capacity contribution adder based on the proxy cost of new peaking resources in 2025-2027.
 - See Supplemental Materials (slides 53-55) and Appendix R for more details.
 - If the bid ranking (inclusive of non-price scores) is inconsistent with the PLEXOS portfolio of preferred new resources, then PacifiCorp in coordination with the IEs may identify bid resources to add or subtract PLEXOS' recommended portfolio. PacifiCorp's Resource Planning team may test different iterations for system stability and reliability until it determines a final recommended portfolio of new resources consistent with both non-price scores and the PLEXOS portfolio optimization model.
 - Following the determination of the final shortlist, in coordination with the IEs, PacifiCorp will check for compliance with state regulations and may run state-specific sensitivities.

Independent Evaluators

State	Independent Evaluator	Contact Email
Oregon	PA Consulting Group, Inc.	2022as_ie@paconsulting.com
Utah	Merrimack Energy	MerrimackIE@merrimackenergy.com
Washington	Bates White, LLC	frank.mossburg@bateswhite.com

IE Website – Merrimack Energy, the Utah IE, provides a website dedicated to information exchange and archiving information, questions and answers between the bidder, IE, and PacifiCorp. The IE site, separate from PacifiCorp’s RFP website, will be used for bidder questions related to their bid or the RFP. Any question submitted through the IE will be blinded and provided to PacifiCorp for a response. The website link is shown below and will also be accessible as a link on PacifiCorp’s RFP website.

<https://www.merrimackenergy.com/pacificorp-2022as-rfp>

Next Steps

1. Questions or comments regarding this bidders' conference should be sent to the following mailbox, even if an answer was provided verbally in today's meeting, to ensure all Bidders receive responses: 2022AS_RFP@pacificorp.com
2. 2022AS RFP information will be provided at www.pacificorp.com, as information is developed. From website main page, go to Suppliers, then RFPs, then 2022AS RFP. <https://www.pacificorp.com/suppliers/rfps/2022-all-source-rfp.html>

Milestone	Deadline
RFP Issuance Date	April 29, 2022
Close of PacifiCorp Transmission Cluster Request Window	May 15, 2022
Demand-side Voluntary Targeted RFP Issued to Market, as necessary	August 31, 2022
Second Bidder's Conference	October 20, 2022
Cluster #2 (2022) Study Results	November 12, 2022
Notice of Intent to Bid Deadline	November 17, 2022
Benchmark Bid Deadlines	November 21, 2022
Market Bid Deadline	February 14, 2023

3. Any RFP and schedule updates will be posted to the RFP website:
[PacifiCorp's 2022 All-Source Request for Proposals](#)



General questions about the RFP?

Please post your questions to Teams chat and also email the 2022AS RFP inbox with a copy to the IEs:

2022AS_RFP@pacificorp.com

frank.mossburg@bateswhite.com

2022as_ie@paconsulting.com

MerrimackIE@merrimackenergy.com



RFP Forms and Bid Preparation Requirements

12:00 – 1:00 PM PT

1:00 – 2:00 PM MT

Notice of Intent to Bid (NOI) Requirements

- Bidders must return completed NOI requirements in an electronic copy to PacifiCorp's RFP Inbox and each of the three IE's email addresses, no later than **5:00 p.m. Pacific Prevailing Time on November 17, 2022:**

Appendix B-1 – Executed Notice of Intent to Bid Form

Appendix B-1.1 – Completed NOI Excel Spreadsheet

Appendix D - Bidder's Credit Information

Appendix G-1 - Confidentiality Agreement

Email: 2022AS_RPF@PacifiCorp.com (RFP Inbox)
 frank.mossburg@bateswhite.com (Washington IE)
 2022as_ie@paconsulting.com (Oregon IE)
 MerrimackIE@merrimackenergy.com (Utah IE)

- Upon receipt of intent to bid form, PacifiCorp will provide an acknowledgment of receipt and directions for bid fee submittals.
- Bidders will receive 1 point of non-price score for submitting NOI by deadline.
- Bidders are encouraged to submit indicative Appendix B-1.2 Bid Fee Calculator Worksheet along with NOI.

Intent to Bid Form

	Resource/ Facility 1	Resource/ Facility 2
Resource/ Facility Name		
Bidder Company (legal entity of intended signatory to a contract)		
Company Ownership (direct and indirect owners of Company; include organizational chart)		
Contact Person		
Mailing Address		
Website		
Email		
Phone(s)		
GPS coordinates		
Resource Location (City, County, State)		
POD and/or POI Location		
Transmission Service Provider		
Interconnection queue # or cluster study #		
Interconnection agreement, study, or study request size (MW)		
Resource - Bid Attributes		
Storage type, if included		
Transaction structure type: BTA, PPA, PPA with a Battery Toll, Tolling Agreement, Professional Services Agreement		
Pricing structure: Fixed, escalating, etc.		
If a PPA, BSA or Tolling Agreement, indicate term in years		
Size of each generating asset in MW capacity (nameplate)		
Size of each storage asset, if any: 1) Storage Facility Power Capacity Rating (MW) and 2) Storage Facility Energy Capacity		
Duration of storage (hours), if any		
Estimated Commercial Operation Date (month/year)		
Diversity Strategy		

Bid Submission Requirements

EMAIL ONLY

Bids are only being accepted via email: One electronic copy shall be submitted via email to the RFP Inbox Email Address with a copy to each of the three IE's email addresses.

Bidders should be aware of file size when delivering the electronic copy of their bid. PacifiCorp suggests limiting the size of each email with attached files to no more than 20 MB to ensure acceptance. Bidders are allowed to submit multiple emails for their bid and should label them accordingly (i.e. "1 of 3...", "2 of 3...", "3 of 3..."). PacifiCorp will respond with receipt email(s).

Benchmark bids will be accepted until 5:00 p.m. Pacific Prevailing Time (PPT) on November 21, 2022.

Benchmark bids must be evaluated and scored before market bids may be accepted and opened.

Market bids will be accepted until 5:00 p.m. PPT on February 14, 2023. PacifiCorp will not accept any late proposals. Any bids received after this time will be deleted.

All bid proposals shall have a bid validity date through 5:00 pm PPT, Thursday November 21, 2023.

Bid Numbering

1. Bid numbers will be self-assigned by bidder in accordance with the directives below and consistent with Appendix B-1.2 Bid Fee Calculator Worksheet.
2. There is no limit to the number of Bids that may be submitted, subject to having paid the applicable Bid Fee(s) in accordance with Section 3.G.
3. Different resources must be expressed as a whole number followed by one decimal place, beginning with the number 1.00. Each subsequent resource proposal will have a separate sequential bid number (i.e., 2.00, 3.00, etc.).
4. Each base bid and bid alternative will have a corresponding bid number which must be used to identify a corresponding Appendix C-2 – Bid Summary and Pricing Input Sheet.
 - For example, the initial resource Bid will be identified as “1.00” and the second Bid variation would be “1.01, 1.02, 1.03 etc.” Subsequent resources should be identified as “2.00” for the initial Bid and “2.01, 2.02, 2.03, etc.” for corresponding bid variations.
5. File names should be kept short by using abbreviations wherever possible. All required documents must use the following naming convention:
[Abbreviated Bidder name]_[Bid number]_[Abbreviated_File_Description]

Appendix B-1.2 Bid Fee Calculator Worksheet

AutoSave Off | PacifiCorp_2022AS_RFP_App_B-1.1_NOI_Excel_Spreadsheet.xlsx | Eberhardt, Heather (PacifiCorp) (Mkt Function)

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	A	B	C	D	E	F	G	H	I
21		Expected Bid Fees			\$35,000				
22		Expected Bid Fees	Bid Number	Bid Type	Resource Name	Technology type	Transaction structure type	Pricing structure	Proposed Start Date (Online Date)
23		\$15,000	1.00	Base Bid				\$/MWh - Fixed	12/31/2025
24		\$5,000	1.01	Reduced Price Alternative - Moderately different				\$/MWh - Fixed	12/31/2026
25		\$0	1.02	Free Alternative - Term or Price Structure				\$/MWh - Escalating	
26		\$0	1.03	Free Alternative - Labor Strategy					
27									
28									
29		\$15,000	1.04	Additional Bid				WWh - Fixed	12/31/2027
30		\$0	1.05						
31		\$0	1.06						
32		\$0	1.07						
33		\$0	1.08						
34		\$0	1.09						
35		\$0	1.10						
36									
37									
38									
39									
40									

1 NOI Bid Form | 2 Bid Fee Calculator

Ready | 90%

Bid Fee Attribute and Alternatives Guidelines

Bid Attribute	Bid Variants	Eligible as Bid Alternatives
Location	Multiple locations may be bid individually and also as a portfolio so long as a single location bid is not contingent upon the success of another location bid.	Base bid only; not eligible as a bid alternative.
Technology	Multiple technologies/facilities may be bid as a single resource so long as bid materials are consistent and support bid and bid is submitted as a portfolio (i.e., bids are not contingent upon one another.)	Base bid only; not eligible as a bid alternative.
Nameplate capacity of the underlying generating resource	Each bid with a unique generator nameplate capacity will be treated as a base bid only. Multiple facilities may be bid as a portfolio; contingent bids will not be accepted. Bid materials must be consistent and support bid.	Base bid only; not eligible as a bid alternative.
Price structure	Fixed price or escalating (variable index pricing is not allowed)	Eligible as free bid alternative
Transaction structure	BTA, PPA, PPA with Tolling Agreement, Tolling Agreement, or Professional Services Agreement. Bid may combine multiple structures (portfolio) so long as bid materials are consistent and clearly delineate bid inputs for each structure (i.e., bids are not contingent upon one another.)	Base bid only; not eligible as a bid alternative.
COD (Start Date)	Bid materials must be consistent and support bid COD	Eligible as reduced fee bid alternatives
Contract term length (End Date)		Eligible as free bid alternative
Co-located energy storage capacity and duration	Different capacities of co-located energy storage and duration may be bid so long as bid materials are provided that are consistent and support bid	Eligible as reduced fee bid alternatives

- For more information, see Section 3.G of the Main RFP document and Appendix B-1.2 Bid Fee Calculator Worksheet.
- Bid Fee of \$15,000 for each base proposal greater than 5MW with one free diversity strategy bid and two free and/or reduced price bid alternatives. (Resources 5MW and smaller pay a \$1000 per MW bid fee).
- Reduced price bid alternatives are \$5,000 each for resources >5 MW and \$500 each for resources =< 5 MW.

Bid Submission Checklist

A	B	C	D	E	F	G
	2022AS RFP Bid Applicability	Bid must include completed Appendix	Applicable to			
Appendix A	Resource Technical Specifications		PPA/ Tolling	BTA	Bench-mark	Demand-side
Appendix A-2	Interconnection Studies and Agreements	X	X	X	X	See App Q
Appendix A-3	Permit-Matrix	X	X	X	X	See App Q
Appendix A-5	Project One-Line Drawing and Layout	X	X	X	X	See App Q
Appendix A-6	Division of Responsibility	X		X		
Appendix A-7	Owner Standards and Specification	List of Exceptions		X	X	
Appendix A-8	Real Estate Specifications	X		X	X	
Appendix A-9	Product Data- Equipment Supply Matrix	X	X	X	X	See App Q
Appendix A-10	Plant Performance Guarantee/Warranties	X		X		
Appendix B-1 (B-1.1 and B-1.2)	Intent to Bid Form and Bid Fee Calculator Worksheet	X	X	X	X	X
Appendix B-2	Information Required in Bid Proposal / Bid Proposal		X	X	X	See App Q
Appendix C-1	Bid Summary and Pricing Input Sheet Instructions				X	
Appendix C-2	Bid Summary and Pricing Input Sheet	X	X	X	X	See App Q
Appendix C-3	Energy Performance Report	X	X	X	X	See App Q
Appendix D	Bidder's Credit Information	X	X	X		X
Appendix E-1	PPA and Tolling Agreement Instructions to Bidders		X			
Appendix E-2.1 or E-2.2	Redline to PPA and exhibits (PPA for generating resource only or PPA w/ collocated battery storage)	X	X			
Appendix E-3	Redline to Tolling Agreement	X	X			
Appendix F-1	BTA Instructions to Bidders			X		
Appendix F-2	Redline to BTA Term Sheet	X		X		
Appendix G-1	Confidentiality Agreement	X	X	X		X
Appendix J	PacifiCorp Transmission Waiver	X	X	X		
Appendix K	Operations and Maintenance Services	X		X		
Appendix L	Non-Price Scoring Matrix	X	X	X	X	X
Appendix P	Equity Questionnaire	X	X	X	X	X
Appendix Q	2021 Demand Response RFP – Document Requirements	X				X
Appendix Q-1	Redline to Professional Service Contract and Exhibits	X				X
Appendix Q-1.01	Redline to Contract Exhibit A – Scope of Work	X				X
Appendix Q-1.02	Redline to Contract Exhibit B – Pricing and Performance Template	X				X
Appendix S-1	Berkshire Hathaway Energy – Cyber Security Attestation	X	X	X		X

Appendix B-2 Cover Letter and Bid Narrative

- Bid must include a signed cover letter including the required statements as provided in the RFP main document, Section 3.E. Cover letters must be signed by an executive of the project company with certain representations:
 - All of the statements and representations, including bidder's self-scored non-price scoring, made in this proposal are true to the best of Bidder's knowledge and belief;
 - Bidder possesses a legally binding agreement(s) or option(s) to possess all necessary land rights for sufficient site control to undertake development of the project as set forth in the proposal, including ingress and egress to and from the site;
 - Bidder agrees to comply with Berkshire Hathaway Energy's cyber security requirements.
 - Bidder possesses or will possess all necessary and appropriate water rights for construction and ongoing maintenance of the project through the term of the agreement;
 - Certain language related to eagle studies and take permits;
 - Bidders for projects sited in Oregon understand the requirements in ORS 757.306 and will provide required attestations or Project Labor Agreements under HB2021 within 30 days of when the date for construction begins;
 - Bidders agrees to report diversity representation by contractors;
 - Bidder has obtained, or can demonstrate how it will obtain, all necessary authorizations and approvals that will enable Bidder to commit to the terms provided in this proposal;
 - Bidder has reviewed the entirety of this RFP including all relevant appendices, acknowledges its terms, and agrees to comply with the processes stated within;
 - BTA bid conforms with Appendix A - Technical Specifications and Required Submittals, or else all exceptions are clearly stated and listed as an addendum to this letter;
 - Bid pricing is based on the terms of the transaction documents in Appendix E-2 – PPA Documents, Appendix E-3 – Tolling Agreement Documents, or Appendix F-2 – BTA Documents or Appendix Q-1 Professional Services Contract, as reviewed and, if applicable, revised by bidder; and
 - This proposal is a firm and binding offer through November 21, 2023
- A new Section 10 Equity Summary has been added to the Appendix B-2 bid proposal narrative requirement, which includes certain questions important to various state regulatory requirements.

Appendix C-2 Bid Summary and Pricing Input Sheet

Tab Name	Description	Technology				Structure				
		Renewable	Renewable plus storage	Stand-alone Storage	PSH	PPA with or without Toll	Tolling Agreement	Benchmark	BTA	
1	Data Inputs	Project detail	X	X	X	X	X	X	X	X
2	8760 First Year Generation Profile	First contract year - Expected Net Output (8760) delivered to PacifiCorp	X	X			X		X	X
3	PPA Pricing	PPA pricing structure	X	X			X			
4	Battery Pricing & Ops	BESS pricing and operations		X	X	X	X	X	X	X
5	PSH Pricing & Ops	PSH pricing and operations				X		X	X	X
6	BTA Pricing Schedule	BTA pricing structure	X	X	X	X			X	X
7	Additional Data	Blank tab to add data	X	X	X	X	X	X	X	X

Appendix C-2 - Bid Summary and Pricing Input Sheet – Tab 1 Data Inputs

Appendix C-2 Bid Summary and Pricing Input Sheet
PacifiCorp 2022AS RFP

Appendix C-2 Pricing Input Sheet

Field ID	Bid Summary	Bidder ID
1	Type of Bid	
2	Project/Bid Name (Legal name or Bidder Designated)	
3	Resource Type	
4	Battery Storage Included	
5	Bidder's Proposal Number	
6	Bid Company Name	
7	Bid Contact Name	
8	Phone #	
9	Email Address	
10	Size of Plant Bid (MWAC) - Expected Nameplate	

Legend:

- Denotes input
- Pull down menu
- Required Field - no res bid scoring if blank

Tab 1 Data Inputs | Tab 2 8760 First Year Gen | Tab 3 PPA Pricing | Tab 4 Battery Pricing & Ops | Tab 5 PSH Pricing & Ops | Tab 6 BTA Pricing Sched | Tab 7 Addition ...

Appendix C-2 – Tab 2 8760 First Year Generation:

AutoSave Off PacifiCorp_2022AS_RFP_App_C-2_Bid_Summary_and_Pricing_Input_Sheet.xlsx Eberhardt, Heather (PacifiCorp) (Mkt Function) EH

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A1: =FIRST CONTRACT YEAR Expected 8760 Net Energy delivered to PacifiCorp at p50 Production

1	FIRST CONTRACT YEAR Expected 8760 Net Energy delivered to PacifiCorp at p50 Production																
2	8760 MWh/hour at Pacific Standard Time																
3	APPLIES TO RENEWABLES AND "MUST TAKE" CONTRACTS ONLY																
4	<i>First Contract Year, after mechanical unavailability (representing expected first year volumes at the point of delivery inclusive of expected outages)</i>																
5	<i>This profile should not include the impact of a battery offered by Bidder. (solar generation profile -net of losses)</i>											Denotes input by Bidder					
6	Month	Day	Hour Ending	MWh	Solar bidders to include Year 1 degradation in their 8760 and not in Year 0-1 in degradation table to right										Contract Year	Annual Degradation	Cummulative Degradation
7	1	1	1	0											0-1		100.00%
8	1	1	2	0											1-2	0.00%	100.00%
9	1	1	3	0											2-3	0.00%	100.00%
10	1	1	4	0											3-4	0.00%	100.00%
11	1	1	5	0											4-5	0.00%	100.00%
12	1	1	6	0											5-6	0.00%	100.00%
13	1	1	7	0											6-7	0.00%	100.00%
14	1	1	8	0											7-8	0.00%	100.00%

Tab 1 Data Inputs Tab 2 8760 First Year Gen Tab 3 PPA Pricing Tab 4 Battery Pricing & Ops Tab 5 PSH Pricing & Ops Tab 6 BTA Pricing Sched Tab 7 Addition ...

Ready 100%

Appendix C-2 – Tab 4 Battery Pricing and Inputs:

Battery Input Tab:

Note: Section only for BTA Batteries						
Unaugmented Battery Capacity for Contract Term:						
	Required			Required		Required
	Required			Required		Guaranteed Annual Battery Capacity (MW available), based on :
	Storage Duration (hours at Guaranteed Capacity)	Battery Annual Availability (%)	Maximum number of allowed full charges (or equivalent) cycles per year	Maximum number of allowed full charges (or equivalent) cycles per day	Charging Source	Applicable Variable Charge for Storage Discharge (\$/MWh)
Contract Year 1	1			0	Generation Facility	Price, \$ / MW-Month AC
Contract Year 2	2			0	Generation Facility	Annual Battery Output Capacity
Contract Year 3	3			0	Generation Facility	Calendar Storage Degradation %

Additional notes from the spreadsheet:

- Denotes input by Bidder
- Pull down menu only
- Required

Appendix C-2 – Tab 6 BTA Pricing Schedule:

AutoSave Off PacifiCorp_2022AS_RFP_App_C-2_Bid_Summary_and_Pricing_Input_Sheet.xlsx Eberhardt, Heather (PacifiCorp) (Mkt Function) EH

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	A	B	C	D	E	F
1						
2		BTA Pricing:	Denotes input by Bidder			
3			Pull down menu only			
4		Initial Capital Costs	\$ Amount	Date Due		
5		Progress Payment 1 (\$)	\$0			
6		Progress Payment 2 (\$)	\$0			
7		Progress Payment 3 (\$)	\$0			
8		Progress Payment 4 (\$)	\$0			
9		Progress Payment 5 (\$)	\$0			
10		Progress Payment 6 (\$)	\$0			
11		Progress Payment 7 (\$)	\$0			
12		Progress Payment 8 (\$)	\$0			
13		Progress Payment 9 (\$)	\$0			
14		Progress Payment 10 (\$)	\$0			
15		Progress Payment 11 (\$)	\$0			
16		Progress Payment 12 (\$)	\$0			
17		Progress Payment 13 (\$)	\$0			
18		Progress Payment 14 (\$)	\$0			
19		Progress Payment 15 (\$)	\$0			
20		Progress Payment 16 (\$)	\$0			

Tab 1 Data Inputs Tab 2 8760 First Year Gen Tab 3 PPA Pricing Tab 4 Battery Pricing & Ops Tab 5 PSH Pricing & Ops Tab 6 BTA Pricing Sched Tab 7 Addition ...

Ready 100%

Appendix C-3 Energy Performance Report

- 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.
- The energy performance report should be consistent with and support performance estimates provided in the Appendix B-2 Bid Proposal Instructions and Required Information bid narrative and also the Appendix C-2 Bid Summary and Pricing Input Sheet.
- Bidder must provide the expected performance of the resource as it varies with ambient conditions and other factors that will impact the performance of the resource. To the extent pricing, capability and/or availability vary based on specific characteristics of the facility and/or ambient conditions, the bidder must clearly identify that relationship in tabular form.
- Wind resource bid submittals: BTAs must include a minimum of two years of on-site meteorological tower data, converted to an estimated MWh of production on an hourly time scale. PPAs must include one year.
- Solar resource bids: BTAs must include two years of solar irradiance satellite data provided from Solargis or SolarAnywhere in lieu of on-site solar panel met data for all solar PPA and BTA bids. PPAs must include one year.
 - Should a solar BTA bidder be selected to the final shortlist, to remain on the final shortlist, bidder must commit to install at least one solar monitoring station on the proposed solar site within 45 days of being selected to the final shortlist with the ability to capture solar irradiance data for at least four months prior to contract execution. Solar BTA final shortlist bidder will commit to maintaining at least one on-site solar monitoring station through the entire construction period.

Appendix E & F Contractual Documents

Bidders will receive 1 point for providing a contract redline and 1 additional point for providing a contract issues list.

Bidders will note there are new, additional pro forma requirements related to:

- Diversity supplier or subcontractor reporting
- Quarterly reports of local/state hires
- Quarterly reports of safety and environmental incidents

Appendix L: Non-Price Scoring Matrix

Bid Submittal Completeness

AutoSave Off PacifiCorp_2022AS_RFP_App_L_Non-price_Scoring_Matrix.xlsx Eberhardt, Heather (PacifiCorp) (Mkt Function)

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A1 Appendix L Non-Pricing Scoring Matrix

Appendix L: Non-Price Scorecard	
Bidder Company	
Project / Facility Name	
Assigned Bid Number	
PPA, PPA with BESS, Tolling Agreement or BTA	
Point of Delivery	
County, State	
MW	
Non-Price Score:	
Bid Submittal Completeness	5.00
Contracting Progress and Viability	5.00
Project Readiness and Deliverability	15.00
Total Non Price Score	25.00

Non-Price Factor			
I. Bid Submittal Completeness - Bidder completed each of following items accurately and in a manner consistent with the RFP requirements.	Response	Bid Score	Comments
· Bid meets all minimum criteria and is eligible bid.	Yes	Minimum criteria met	
· Appendix A-2 Interconnection study, agreements and any required confirmation of material modification, as applicable. Off-system bids have provided a system impact or facilities study with 3rd party transmission provider and demonstrated transmission availability to a POD on PacifiCorp's transmission system.	Yes	Minimum criteria met	

Non-Price Scoring

Ready 80%

Appendix L: Non-Price Scoring Matrix

Contracting Progress and Viability

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	B	C	D	E	F	G	H
	II. Contracting Progress and Viability	Response	Bid Score	Comments			
50							
51	• A contract redline was provided including redline of applicable Exhibits and/or Appendices.	Yes	1				
52	• A contract issues (or exceptions) list was provided identifying bidder's top priority commercial terms.	Yes	1				
53	• BTA bidder included an issues (or exceptions) list related to Appendix A technical specifications.	Yes	1				
54	• Bidder represents redlines and issues lists are based on a lawyer's review of the proforma contract documents.	Yes	1				
55	• Bidder has the legal authority to enter into a contract for the output of the facility.	Yes	Minimum criteria met				
56	• Bidder provided fixed and firm pricing for a term consistent with bid proposal and pro forma contract redline or issues list.	Yes	1				
57	• Bidder has offered a dispatchable product.	Yes	1				
58	• Bidder agrees to PacifiCorp's ability to issue dispatch notices as defined in contract proforma. Bidder will follow Automated Generation Control (AGC) signal and follow a four (4) second signal.	Yes	Minimum criteria met				
59	• Bidder has demonstrated it can meet the credit security requirements for the resource proposed.	Yes	Minimum criteria met				
60	• Binding and exclusive site control documentation matches legal site description included in contract redline. Seller will have site control and site access site by contract execution date.	Yes	1				
61	• Contract redlines are consistent with Appendix C-2 inputs (product, price, term, 8760, capacity factor, degradation, storage specifications, BTA milestone payments, etc). Price must reflect pro forma security levels and performance guarantees.	Yes	1				
62	• BTA bids include list of assets to be transferred to PacifiCorp. Project documents with same legal entity as bidder. Studies, critical issues analysis and material assets may be assigned and relied upon by PacifiCorp.	Yes	1				
63	• Wind bidder will agree to proforma contract requirement to apply for Eagle Take Permit.	Yes	Minimum criteria met				
64	• Oregon-sited resources will agree to proforma contract term which requires bidder to provide attestation required in HB2021 or else provide Project Labor Agreement (PLA) to Department of Energy (DOE).	Yes	1				
65	• Seller will agree to pro forma contract term to comply with Prohibited Vendors provisions.	Yes	Minimum criteria met				
66	• Seller will agree to pro forma contract term to comply with OFAC Sanctions Lists and Government-Owned Enterprises provisions.	Yes	1				
67	• Seller will agree to pro forma contract term requiring reporting of local and state workers employed during construction projects, and incident notices when construction contractors commit health and safety environmental infractions.	Yes	1				
	• Seller will agree to comply with Berkshire Hathaway Energy's Cyber Security Requirements, which may include prohibited						

Non-Price Scoring

Ready 80%

Appendix L: Non-Price Scoring Matrix

Project Reliability and Deliverability

AutoSave Off PacifiCorp_2022AS_RFP_App_L_Non-price_Scoring_Matrix.xlsx Eberhardt, Heather (PacifiCorp) (Mkt Function)

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	B	C	D	E	F	G	H
70	III. Project Readiness and Deliverability	Response	Bid Score	Comments			
71	· 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.	Yes	Minimum criteria met				
72	· Bidder has demonstrated ability to achieve commercial operations by December 31, 2026	Yes	1				
73	· Bidder has demonstrated conformance with Appendix A-7 Owners Standards and Specifications	Yes	1				
74	· BTA assets (permits, leases, interconnection agreements, other contracts, resource assessments etc) support commercial operation date, 8760 resource estimates and net capacity factor through operating life.	Yes	1				
75	· Bidder has experience with (developing, constructing and/or operating) the same technology as being proposed.	Yes	1				
76	· Bidder has sufficient development experience (prior to construction) for size of project proposed (has completed at least one project 50% of proposed size).	Yes	1				
77	· With regards to safety, bidder represents it has a total recordable incident (TRI) level equal to or greater than the TRI for their industry as determined by the U.S. Occupational Health and Safety Administration (OSHA).	Yes	1				
78	· Bidder's Financing Plan demonstrates ability to finance project construction and ongoing operations.	Yes	1				
79	· Bidder has executed and recorded lease or warranty deed of ownership.	Yes	1				
80	· Required easements have been identified including project site, site access and any gentie line up to point of interconnection.	Yes	1				
81	· Required easements have been secured including project site, site access and any gentie line up to point of interconnection.	Yes	1				
82	· Interconnection study includes an assessment of both Energy Resource Interconnection Service (ERIS) and Network Resource Interconnection Service (NRIS).	Yes	1				
83	· Bidder has signed LGIA which demonstrates ability to interconnect before proposed commercial operations date.	Yes	1				
84	· Met stations have been installed - and are functioning - on site.	Yes	1				
85	· 50% Engineering designs are complete.	Yes	1				
86	· Proposed equipment is consistent with bid narrative, Appendix C-3 (8760), Appendix A-1 and A-7 Technical Specifications, Appendix A-2 interconnection studies, Appendix A-5 single line drawings and Appendix A-9 equipment supply matrix.	Yes	1				

Non-Price Scoring

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Appendix P: Equity Questionnaire – Tab 1

AutoSave Off PacifiCorp_2022AS_RFP_App_P_Equity_Questionnaire.xlsx Eberhardt, Heather (PacifiCorp) (Mkt Function)

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A1 Appendix P Equity Questionnaire - Tab 1

1	Appendix P Equity Questionnaire - Tab 1				
2	PacifiCorp 2022AS RFP				
3	Appendix P - Equity Questionnaire				
4					
5	Facility proximity to community				
6	Census tract in which facility is located				https://geocoding.geo.census.gov/geocoder/geographie
7	Distance from facility to nearest residential home			miles	
8	Number of residential homes within 1 mile of facility			residences	
9	Number of residential homes within 6 miles of facility			residences	
10	How does this resource serve or otherwise impact vulnerable populations?				Yes/No. Provide additional context in Appendix B-2
11	Is your facility located in a community afflicted with poverty or high unemployment or that suffers from high emission levels?				
12	Distance to nearest existing generation sources by fuel source within 6 miles of proposed facility;			miles	
13	Will the proposed facility replace/supplant identified generation sources? If "yes," provide estimated reduction in air pollutants/toxics in the community over life of the project/contract due to the facility (when/how much megawatt-hour ("MWh")/year), and avoided emissions released into the community (within 6 miles of the project).				
14					
15					
16	Population characteristics of community where facility is proposed				

1 Equity Inputs - All Bidders 2 All bids- WA Customer Impacts 3 Addnl Questions - CA Bidders

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Appendix P: Equity Questionnaire – Tab 2

AutoSave Off PacifiCorp_2022AS_RFP_App_P_Equity_Questionnaire.xlsx Eberhardt, Heather (PacifiCorp) {Mkt Function}

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Appendix P Equity Questionnaire - Tab 2

A	B	C	D	E
Appendix P Equity Questionnaire - Tab 2				
PacifiCorp 2022AS RFP				
Please answer the following question as they pertain to how the proposed resource may or may not impact Washington customers. In particular, all bidders are requested to respond to rows 6, 7 and 8 inasmuch as they impact all PacifiCorp customers, including Washington customers. For those responses which are not applicable, please indicate "N/A." Resources located outside of Washington are not required to complete rows 41-65.				
Washington CETA - Community Impact Questions		Yes / No	Comment:	
Will this resource include an apprenticeship or job training?				
Will this resource increase the amount of renewable energy on PacifiCorp's system?				All bidders to respond to prov
Will this resource result in CO2 emissions?				All bidders to respond to prov
Will this resource enable grid investments or other infrastructure which result in energy resiliency or energy security?				All bidders to respond to prov
Will this resource provide energy benefits to vulnerable populations and highly impacted communities?				
Will this resource provide non-energy benefits to vulnerable populations and highly impacted communities?				
Will this resource reduce the energy burden of vulnerable populations and highly impacted communities?				

1 Equity Inputs - All Bidders 2 All bids- WA Customer Impacts 3 Addnl Questions - CA Bidders

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Appendix Q – Requirements for Demand-side Bids

2021 Demand Response RFP

The 2021 Demand Response (DR) RFP issued on February 21, 2021 included the following Exhibit and Appendices, which have been incorporated into the 2022AS RFP and will be used to receive and evaluate demand-side bids:

Appendix Q-1	Professional Services Contract
Appendix Q-1.01	Contract Exhibit A - Scope of Work and 2021 Demand Response RFP
Appendix Q-1.02	Contract Exhibit B - Pricing and Performance Template
Appendix Q-1.03	Contract Appendix B - Demand Side Tech Requirements
Appendix Q-1.04	Contract Exhibit C - Form of Acceptable Letter of Credit
Appendix Q-1.05	Contract Exhibit D - Form of Purchase Order
Appendix Q-1.06	Contract Exhibit E - Statutory Form of Lien and Claim Release California Work
Appendix Q-1.07	Contract Exhibit F - Contractor Health Safety and Environmental Requirements
Appendix Q-1.08	Contract Exhibit G - Expense Report Requirements for PacifiCorp Contractors
Appendix Q-1.09	Contract Exhibit H - Diversity Subcontractor Spend Report
Appendix Q-1.10	Contract Exhibit I - Prohibited Vendors
Appendix Q-1.11	Contract Appendix 1 Contractor Vendor Information Form

Demand-side resource bidders shall provide a redline or issues/exceptions list to the Appendix Q Professional Services Contract as well as the **Appendix Q-1.01 Scope of Work and 2021 Demand Response RFP**. Demand-side bidders shall complete the **Appendix Q-1.02 Pricing and Performance Table** excel workbook. Demand-side bidders are also requested to provide:

- Appendix A-1 Interconnection Studies and Agreements, if applicable
- Appendix B-1 Executed Notice of Intent to Bid and Appendix B-1.1 NOI Excel Spreadsheet
- Appendix G-1 Confidentiality Agreement
- Appendix J PacifiCorp Transmission Waiver, as applicable
- Appendix L Non-Price Scoring Matrix
- Appendix P Equity Questionnaire

PacifiCorp may issue a voluntary targeted RFP by August 31, 2022 outlining the specific remaining incremental DR resource needs, including type, location and timing, in which case the 2022AS RFP Appendix Q will be modified to be consistent with the voluntary targeted DR RFP.

Appendix S & S-1 Cyber Security Attestation

Cyber security is an evolving issue with growing importance to the electric power industry. PacifiCorp is developing security requirements for PPAs, Tolling Agreements and BTAs, which will be folded into contractual documents prior to the market bid deadline on February 14, 2023.

PacifiCorp is developing a cyber security attestation document which will be required of all bidders proposing a PPA, Tolling Agreement or BTA, which will be required when bidders provide their Notice of Intent (NOI) to Bid due on November 17, 2023. Please go to the 2022AS RFP website prior to the NOI deadline to download the attestation:

<https://www.pacificorp.com/suppliers/rfps/2022-all-source-rfp.html>



Questions about the RFP Forms and Bid Preparation Requirements?

Please post your questions to Teams chat and also email the 2022AS RFP inbox with a copy to the IEs:

2022AS_RFP@pacificorp.com

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Supporting Materials

Interconnection and Transmission Summary

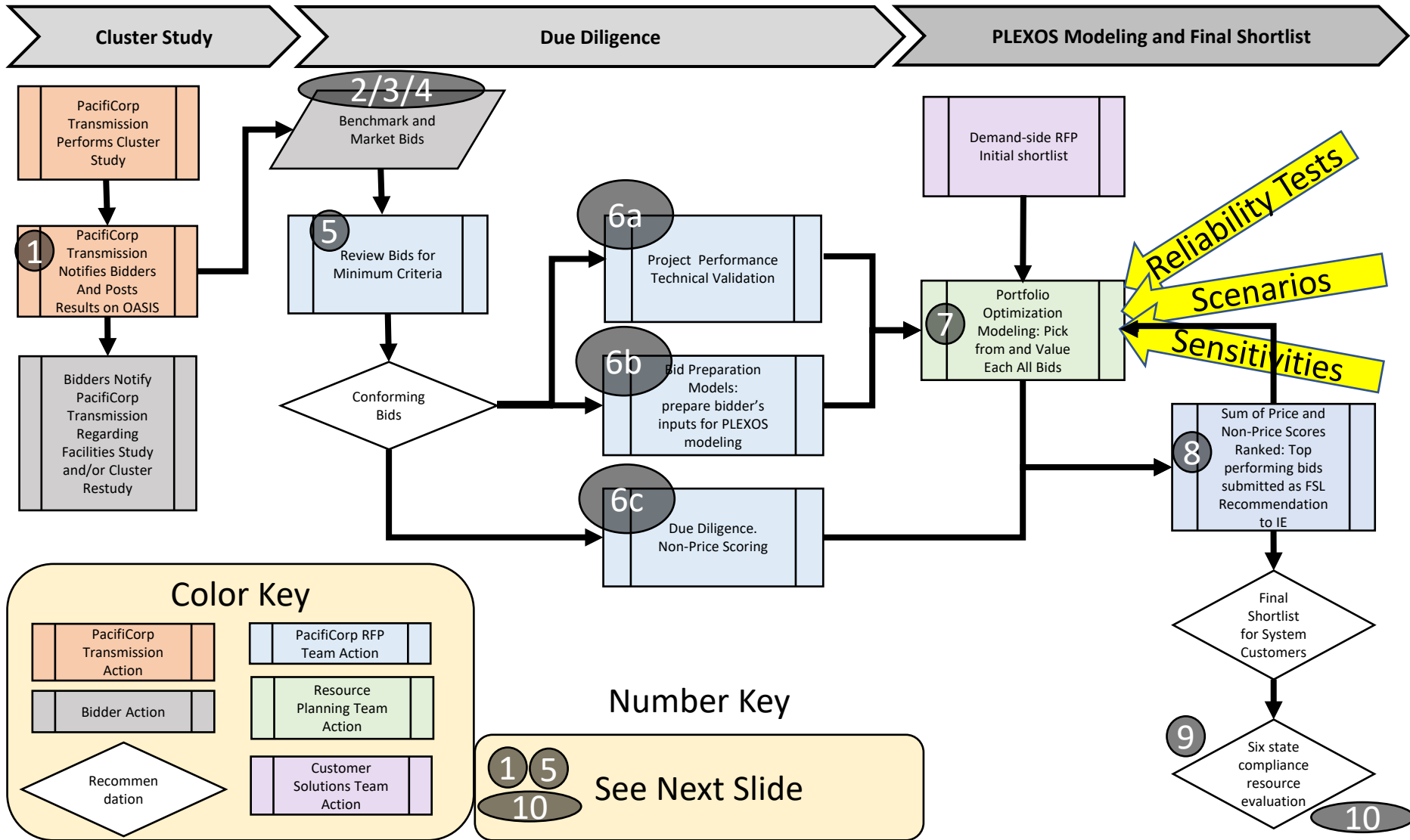
	On System Resources		Off-System Resources	
	Interconnection Service	Transmission Service	Inter-connection	Transmission
Timing of Application	Prior to Bid	After Power Purchase Agreement (PPA), Tolling Agreement, or Build Transfer Agreement (BTA) contract is executed	Prior to Bid	<ol style="list-style-type: none"> 1. 3rd party transmission from POI to POD, prior to bid 2. PacifiCorp Transmission from POD to load, after PPA is executed
Applicant (Customer)	Bidder is Interconnection Customer (RFP Team has preference for resources to be studied as both NRIS and ERIS)	PacifiCorp is Transmission Customer (Merchant Function) (On-System Bids)	Bidder is Inter-connection Customer	<ol style="list-style-type: none"> 1. Bidder is Transmission Customer to deliver to PacifiCorp POD 2. PacifiCorp (Merchant Function) is Transmission Customer from POD to load.
Provider	PacifiCorp Transmission Group	PacifiCorp Transmission Group	3 rd Party Transmission Provider	<ol style="list-style-type: none"> 1. 3rd Party Transmission Provider and 2. PacifiCorp Transmission
Required for Bid	Yes	No	Yes	<ol style="list-style-type: none"> 1. Yes (from POI to POD) 2. No (from POD to load)
Cost Included in Bid Price	All Interconnection Customer's interconnection costs	Not in Bid Price	Yes	<ol style="list-style-type: none"> 1. Yes (3rd party wheeling costs to POD) 2. No (from POD to load)

Resources Using a Surplus Interconnection Service (FERC Order 845)

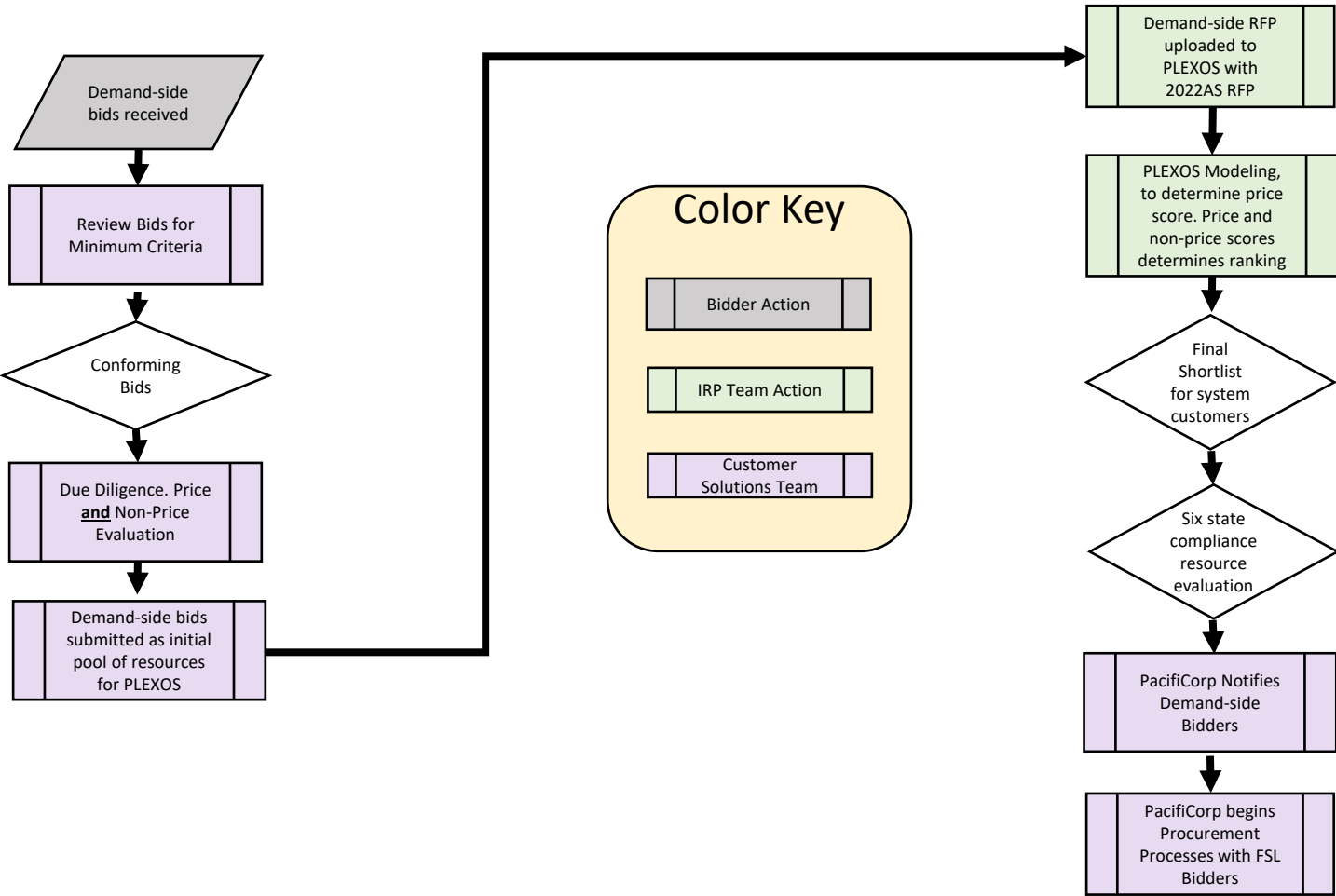
Existing Wind	<i>Add Solar</i>	<i>Add Wind</i>	<i>Add Battery</i>	<i>Add Other</i>
Existing Solar				
Existing Other				

- Resources using surplus interconnection service will be eligible so long as they have a surplus interconnection service study from PacifiCorp Transmission which confirms the estimated cost and online date for any required upgrades.
 - Bidder must have requested and received Surplus Interconnection Study from PacifiCorp Transmission.
 - See OATT Section 38.3 and Business Practice 80.
- Bidder is to specify their performance of delivery associated with their bid in consideration of the existing resource/facility and corresponding contract.
- Incremental surplus resource must be capable of individual metering and test (performance guarantees).
- Output of both existing facility and a proposed additional surplus facility must both be on-system resources both the existing facility and the proposed surplus facility must be contracted to PacifiCorp.

Evaluation and Selection Process Chart



Demand-side Resources - Evaluation and Selection Process



Price Scoring Example

Final Shortlist Determination Example Calculations:

Example Scoring Assumptions and Evaluation:

Bid Types: Each of Case 1 and Case 2 scoring methodologies show scoring calculations for four representative bids demonstrating how price scores would be calculated for each of the four potential bid types:

1. Bid 1: Low capacity contribution resource equal to 10%. Net cost to PacifiCorp system (positive difference between levelized cost and system benefit)
2. Bid 2: Same low capacity contribution. Same levelized cost, but net benefit to PacifiCorp system (negative difference)
3. Bid 3: High capacity contribution resource equal to 100%. Net benefit to PacifiCorp system (negative difference between levelized cost and system benefit)
4. Bid 4: Same high capacity contribution. Net cost to PacifiCorp system (positive difference)

Ranking: The highest and lowest net benefits realized from bid from the 2020AS RFP are used to force rank bids between zero and 75 potential price score points:

- 2020AS RFP: Most net benefit: -\$93/MW-mon
- 2020AS RFP: Least net benefit (net cost): \$196/MW-mon

Case 1: Price scoring methodology used to rank all bids using PLEXOS benefit results (in dollars) based on the equation below:

$$\text{Bid Score}_x = \frac{[(\text{PLEXOS Bid Benefit of Score}_x - \text{Lowest ("worst") Bid Net Benefit of ALL 2020AS RFP Bid Scores})]}{[(\text{Highest ("best") Bid Net Benefit of ALL 2020AS RFP Bids} - \text{Lowest ("worst") Bid Net Benefit of ALL 2020AS RFP Bid Scores})]}$$

Price Scoring Example Continued

Where,

- the Lowest Bid Score = 75 points; and
- the Highest Bid Score = 0 points

Following consultation with the IEs, the high and low scores may be rounded for ease of scoring purposes.

Case 2: Price scoring methodology to rank all bids using PLEXOS benefit results (in dollars) and a capacity contribution adder based on the equation below:

$$\text{Bid Score}_x = \frac{[(\text{PLEXOS Bid Benefit of Score}_x - \text{Lowest ("worst") Bid Net Benefit of ALL 2020AS RFP Bid Scores})]}{[(\text{Highest ("best") Bid Net Benefit of ALL 2020AS RFP Bids} - \text{Lowest ("worst") Bid Net Benefit of ALL 2020AS RFP Bid Scores})]}$$

Plus, the positive benefit from;

[Proxy cost of new peaking resource in 2025-2027 X Capacity Contribution of the Project (from the Locational Capacity Cost (LCC) Model within the Bid Preparation model)]

Where,

- the Lowest Bid Score = 75 points; and
- the Highest Bid Score = 0 points

Price Scoring Example Continued

By example,

Case 1:

Example Bids		Bid 1	Bid 2	Bid 3	Bid 4
Calcuated Capacit Contribution from LCC Model		10%	10%	100%	100%
Points					
0	2020AS RFP Highest Cost Bid (\$/kw-mon)	\$196.00	\$196.00	\$196.00	\$196.00
75	2020AS RFP Lowest Cost Bid (\$/kw-mon)	-\$93.00	-\$93.00	-\$93.00	-\$93.00
Nom. Levelized Cost over Contract Life (\$/kw-mon)		\$80	\$80	\$130	\$100
Nom. Levelized Benefit (from PLEXOS) over Contract Life (\$/kw-mon)		<u>(\$70)</u>	<u>(\$90)</u>	<u>(\$160)</u>	<u>\$0</u>
Nom. Levelized Net Benefit (from PLEXOS) over Contract Life (\$/kw-mon)		\$10	<u>(\$10)</u>	<u>(\$30)</u>	\$100
Bid Score _x		48	53	59	25

Case 2:

Example Bids		Bid 1	Bid 2	Bid 3	Bid 4
Calcuated Capacit Contribution from LCC Model		10%	10%	100%	100%
Points					
0	2020AS RFP Highest Cost Bid (\$/kw-mon)	\$196.00	\$196.00	\$196.00	\$196.00
->	Est. Cost of a Natural Gas Peaker (\$/kw-mon)	\$123.00	\$123.00	\$123.00	\$123.00
75	2020AS RFP Lowest Cost Bid (\$/kw-mon)	-\$93.00	-\$93.00	-\$93.00	-\$93.00
Nom. Levelized Cost over Contract Life (\$/kw-mon)		\$80	\$80	\$80	\$100
Nom. Levelized Benefit (from PLEXOS) over Contract Life (\$/kw-mon)		<u>(\$70)</u>	<u>(\$90)</u>	<u>(\$160)</u>	<u>\$0</u>
Added Value for Deferred NG Peaker Based on Capacity Contribution		<u>(\$12)</u>	<u>(\$12)</u>	<u>(\$123)</u>	<u>(\$123)</u>
Nom. Levelized Net Benefit (from PLEXOS) over Contract Life (\$/kw-mon)		<u>(\$2)</u>	<u>(\$22)</u>	<u>(\$203)</u>	<u>(\$23)</u>
Bid Score _x		51	57	75	57