

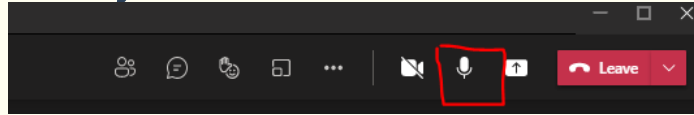
Portland General Electric 2021 All-Source Request for Proposals

DECEMBER 17, 2021 POST-ISSUANCE BIDDER CONFERENCE

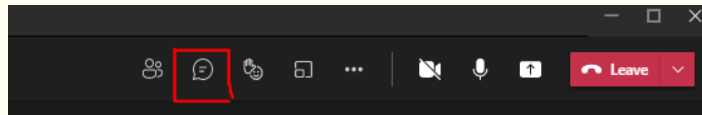


PARTICIPATION

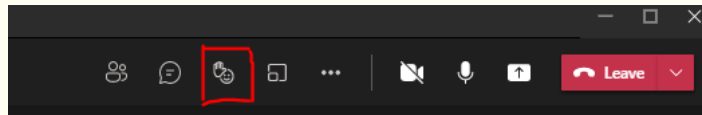
- Mute your mic while others are speaking; to unmute via phone press *6



- We will ask for comments and questions along the way
- Participate using the chat box or ask questions verbally



- Use the “raise hand” feature to signal you’d like to ask your question verbally



- Wait to be called on
- Please be polite and respect all participants involved with the workshop
- Please stay on topic; we may interrupt or shorten questions to meet the time commitment of the meeting

AGENDA

- Welcome & Logistics
- Independent Evaluator Introduction
- 2021 All-Source RFP Volumes
- Schedule and Process
- Changes to the final 2021 All-Source RFP
- Minimum Requirements
- Tax Policy Discussion
- Website Introduction/Review
- Bid Form Overview
- Questions



Independent Evaluator (IE)

The Oregon Public Utility Commission (OPUC) has selected Bates White as an independent third-party evaluator


In accordance with OAR 860-089-0450(1), "the IE will oversee the competitive bidding process to ensure that it is conducted fairly, transparently and properly"

IE contact information for questions or concerns:

- Frank Mossburg
- Frank.mossburg@bateswhite.com
- (202) 652-2194



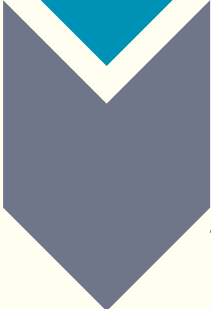
2021 All-Source RFP



PGE seeks to procure approximately 150 MWa of renewable resources. PGE will evaluate the potential benefits and costs of procuring up to 215 MWa of renewable resources.



Through the 2021 All-Source RFP, PGE will seek to procure additional dispatchable capacity resources necessary to meet PGE's approximately 375 MW capacity need in 2025



PGE will seek to procure 100 MW of renewable resources in support of PGE's Green Energy Affinity Rider (GEAR) program's PGE supply option.

PGE will look to procure renewable resources and non-emitting dispatchable capacity resources through one all-source RFP.

PGE is hoping to see a wide variety of resource and technology types comprising both renewable and non-emitting. **Capacity need remaining following renewable additions to be met with dispatchable non-emitting resources.**



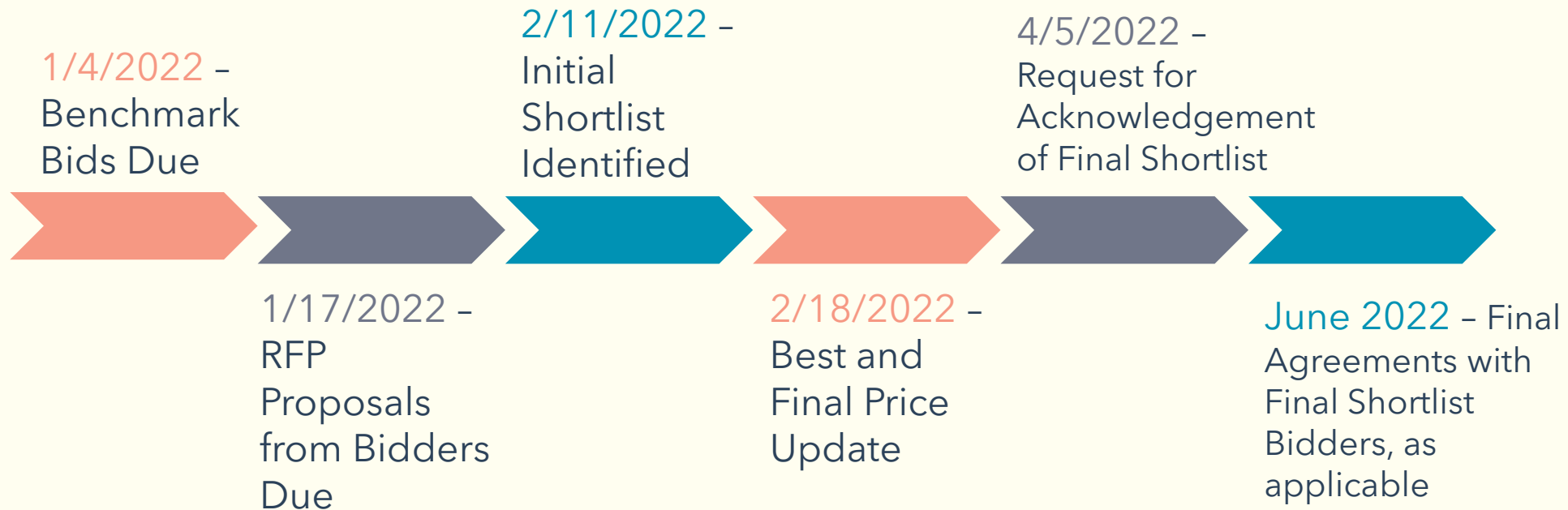
Volumes and Portfolio Impact

- Identified capacity need at this time is approx. 375 MWs capacity contribution
- Consistent with the the IRP Action Plan PGE will target procurement of 150 MWa of renewable resources which contribute to meeting PGE's capacity need
- Should PGE procure 150 MWa of renewables, PGE expects a substantial remaining capacity deficit
- Also including 100MWs nameplate of renewable resources for Green Future Impact, which would not contribute to the 150 MWa cap

150 MWa of Renewable Resources		
Resource Type	Nameplate (MW)	Capacity Contribution (MW)
Gorge Wind	368	74
Ione Wind	459	37
SE WA Wind	350	49
MT Wind	350	84
Solar	517	21



2021 All-Source RFP Schedule



Schedule may update based on potential tax policy legislation



Significant RFP Changes – October 15 to Present

ELCC

- + Updated ELCC calculator posted to RFP webpage.
- + Incorporated Staff recommendation for a 6-hour battery ELCC sample calculation.
- + Incorporated recommendation to publish anonymized ELCC data following selection of initial shortlist.

Scoring

- + Modified scoring to reflect 81.2% of total points for price factors, and 18.8% for non-price factors (from 70%/30% in draft RFP).
- Reduced Commercial Performance Risk items from 212 point maximum to 100 point maximum, with the 112-point delta allocated to price score factors.

Minimum Bid Reqs

- + Clarified bidder credit requirements.
- + Added reminder that deferring redline of terms would result in a reduced score.
- Removed Project Labor Agreement requirement, pointing instead to HB 2021 requirements
- + Modified PPA term and damages.

Form Contracts

- + Added liability cap for PPA form contracts.
- + Clarified that for buyer conditions precedent, “approval” refers to approval of final shortlist.
- + Clarified the delay damages associated with storage resources.

Scoring in Final RFP

Price Scoring

81.2%

Once the cost of each bid is determined it will be netted against the levelized energy, capacity, and flexibility value associated with the bid.

This net cost will be expressed in real levelized \$/MWh for renewable bids and real levelized \$/kw-mo for dispatchable bids.

Each bid's component cost and benefits will be converted into a cost-to-benefit price score ratio.

Non-Price Scoring

10%

Commercial Performance Risk

+

Transmission Plan Attributes (renewable resources only)

2.9%

+

ELCC (renewable resources only)

5.9%

8.8%

Online Date Certainty (dispatchable resources only)

=

81.2%

Total price score

Total non-price score

18.8%



Transmission Requirements

Non-Emitting Dispatchable Resources

100% Long Term Firm transmission service for the full interconnection limit

Bidders relying on BPA for transmission service are required to have either previously granted transmission service or an active OASIS transmission service request (TSR) participating in the BPA TSR Study and Expansion Process

Renewable Resources

Up to 20% of interconnection limit met with Short-Term Firm transmission

80% or more of interconnection limit met with eligible long-term transmission:

- Long-Term Firm
- Conditional Firm Bridge
- Conditional Firm Reassessment

Bidders relying on BPA for transmission service are required to have either previously granted transmission service or an active OASIS TSR participating in the current BPA TSR Study and Expansion Process



Minimum Requirements

All Commercial Structures



Utility Ownership Structures

- Technical Specifications
 - Equipment Manufacturers
- Long-term Service Agreements



Tax Policy

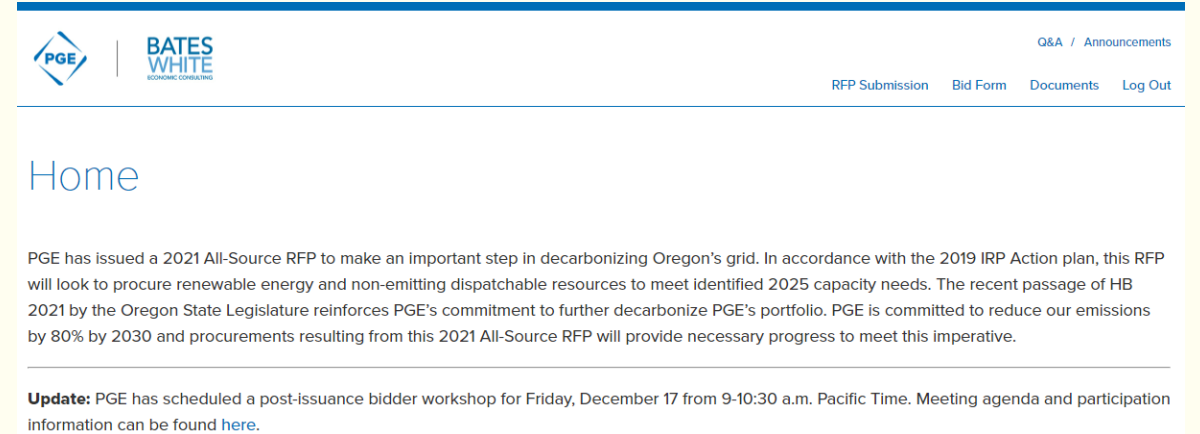
- U.S. House of Representatives passed the Build Back Better (BBB) Act on November 19, 2021
 - Includes approximately \$320B in clean energy tax credits
- BBB Act now with U.S. Senate where additional changes will be made
 - Needs support of all 50 Democratic Senators
 - House must vote again on any approved and revised BBB Act
- PGE closely monitoring and will work with Staff and IE to modify the RFP schedule as necessary to give bidders a chance to incorporate the policy changes



RFP Website

Website: portlandgeneralrfp2021.com

- Overview of Pages
- RFP Submission Portal
 - Register/Login
 - Bid Fee Instruction
 - Creating bids
 - Option for alternative bids
 - Uploading/checking documents



The screenshot shows the top navigation bar of the RFP website. On the left, there are logos for PGE and BATES WHITE ECONOMIC CONSULTING. On the right, there are links for "Q&A / Announcements", "RFP Submission", "Bid Form", "Documents", and "Log Out". Below the navigation bar, the word "Home" is displayed in a large, light blue font. The main content area contains a paragraph of text explaining the 2021 All-Source RFP and its purpose. At the bottom, there is a yellow highlighted box with an "Update" notice regarding a bidder workshop.

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Q&A / Announcements
RFP Submission Bid Form Documents Log Out

Home

PGE has issued a 2021 All-Source RFP to make an important step in decarbonizing Oregon's grid. In accordance with the 2019 IRP Action plan, this RFP will look to procure renewable energy and non-emitting dispatchable resources to meet identified 2025 capacity needs. The recent passage of HB 2021 by the Oregon State Legislature reinforces PGE's commitment to further decarbonize PGE's portfolio. PGE is committed to reduce our emissions by 80% by 2030 and procurements resulting from this 2021 All-Source RFP will provide necessary progress to meet this imperative.

Update: PGE has scheduled a post-issuance bidder workshop for Friday, December 17 from 9-10:30 a.m. Pacific Time. Meeting agenda and participation information can be found [here](#).



RFP Website – RFP Submission



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[Q&A / Announcements](#)

[RFP Submission](#)

[Bid Form](#)

[Documents](#)

[Log Out](#)

RFP Submission

[Create New Base Bid](#)

Company: Test

Contact: Shiraz Bengali

Email: shiraz.bengali@gmail.com

You have not created any bids.



RFP Website – Payment Info



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[Q&A / Announcements](#)

[RFP Submission](#) [Bid Form](#) [Documents](#) [Log Out](#)

Payment Processing Information

We need a little more information before you can create your bids. Please fill out the payment processing information form below.

Contact name*



Contact email*

Business name*

Address*



RFP Website – Base Bid Creation

 | Q&A / Announcements

[RFP Submission](#) [Bid Form](#) [Documents](#) [Log Out](#)

Bid Form

Bid Name*

Company: Test
Contact: Shiraz Bengali
Email: shiraz.bengali@gmail.com

Bid Description*

Note: To upload multiple documents for one field, please zip into one file and then attach


Proposal Content Checklist

2: Upload signed confidentiality and non-disclosure agreement

Note: Any Confidentiality and Non-Disclosure Agreement received by PGE via email (to: rfp@pgn.com, cc: frank.mossburg@bateswhite.com) prior to December 13th 2021 will be countersigned and returned to the bidder before January 4th 2021

 No file chosen

RFP Website – Add Alt Bid

 | **BATES WHITE**
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Q&A / Announcements

[RFP Submission](#) [Bid Form](#) [Documents](#) [Log Out](#)

RFP Submission

[Create New Base Bid](#)

Company: Test
Contact: Shiraz Bengali
Email: shiraz.bengali@gmail.com

<p>PGE test Created: 12/16/21 Last Edited: 12/16/21</p>	<p>Test</p>	<p>Edit Bid Add Alt Bid Delete Bid</p>
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Bid Form Overview



- Bid Form file (available on the RFP website)
- Allows for up to three renewable technologies
- Locked workbook/sheets
- Upload Fields aligned

Communications

Where to send questions

General RFP Questions

- Direct through the Q&A page on the RFP website
- Public can view

Specific Bidder Questions

- Confidential questions can be sent to PGE RFP team (please cc: IE on all emails)



Emails

PGE RFP team: RFP@pgn.com

IE: frank.mossburg@bateswhite.com



Questions & Answers

Answers to all questions will be posted on the procurement website

Thank you for attending the post-issuance workshop

