

2022 DER RFP: PROPOSAL SUMMARY

*Prepared pursuant to WAC 480-107-
035(5)*

April 19, 2022

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SECTION 1. BACKGROUND AND PUBLIC DISCLOSURE REQUIREMENT

Puget Sound Energy (“PSE”) issued a Distributed Energy Resources Request for Proposals (the “2022 DER RFP”) on February 7, 2022. Consistent with the requirements of Washington Administrative Code (“WAC”) 480-107-035(5), PSE is posting to its public RFP website (www.pse.com/rfp) the following proposal summary report. Additional information about the 2022 DER RFP can be found on PSE’s RFP website.

1. Background and public disclosure requirement

PSE issued the 2022 DER RFP to bidders on February 7, 2022 to meet capacity and clean energy resource needs established in the 2021 Integrated Resource Plan (“IRP”) and 2021 Clean Energy Implementation Plan (“CEIP”). Bids were due on March 21, 2022.

On December 28, 2020, the Commission issued General Order R-602 in Docket UE-190837, which amended WAC Chapter 480-107. The Commission referred to the amended rules as the “Purchases of Resources” rules, which took effect on December 28, 2020. The new Purchases of Resources rules require an electrical company to post a summary of the proposals received in a RFP within 30 days after the close of the bidding period, as specified below:

Within thirty days after the close of the bidding period, the utility must post on its public website a summary of each bid the utility has received. Where use of confidential data prohibits the utility from identifying specifics of a bid, a generic but complete description is sufficient.¹

The tables in Section 2 of this report provide a general summary of the proposals received by resource type. Section 3 introduces and provides context for the proposal summary provided in Appendix A of this report. Appendix A provides a summary of each individual proposal received in response to the 2022 DER RFP.

¹ See WAC 480-107-035(5).

SECTION 2. PROPOSALS RECEIVED IN RESPONSE TO THE 2022 DER RFP

2. Proposals received in response to the 2022 DER RFP

PSE received a total of 29 offers from 15 unique bidders. The offers were for Category A Turnkey Resources (“Category A”) and Category B Vendor Service Components (“Category B”), which represent a program service found in a turnkey resource. The Category A Turnkey Resources amounted to 164 MW of Battery Energy Storage Systems (“BESS”) and Demand Response (“DR”) programs. The Category B Vendor Service proposals were for program design, customer outreach and enrollment, equipment installation and program administration. Table 1 summarizes the overall resource mix and total offered capacity of the proposed resources for the 2022 DER RFP and a comparison of similar proposals for the 2018 All Resource and DR RFP.

Some of the 2022 DER RFP proposals included multiple offer options, in which one or more of the terms or features varied. For the purposes of the 2022 DER RFP, a proposal is defined as a bid for the same resource type and can contain several offer options. An offer is defined as an option within a single proposal for the same resource type. Offers may vary options such as capacity (MW), term, start or end dates, pricing structure, or other proposal elements.

Table 1. *2022 DER RFP proposals*

Category A			
Resource	Type	# of Unique Bidders	2025 Winter Capacity (MW)
Demand Response	Behavioral	1	4.00
	Bundled ¹	4	107.10
	HVAC/Waterheater	2	50.00
BESS	Residential	1	1.00
	C&I	1	2.00
Total ²		9	164.10
Category B			
Resource	Vendor Service	# of Unique Bidders	# of Proposals
BESS	Equipment Installation	1	1
Solar	Equipment Installation		1
DR	Program Design	2	2
	Customer Enrollment		2
	Program Administration		2
	Equipment Installation		1
	Other		1
	Equipment O&M	0	0
Unspecified	Customer Enrollment	1	1
	Unspecified	2	2
Total		6	13
1. Combination of various technologies such as: HVAC, Waterheater, BESS, EV, Lighting, BAS, Behavioral, etc...			
2. DR total capacity consists of potentially overlapping programs between unique bidders			

SECTION 2. PROPOSALS RECEIVED IN RESPONSE TO THE 2022 DER RFP

As shown in Table 1, the majority of proposals for the 2022 DER RFP, for both Category A and B proposals, was for DR programs, with three proposals for BESS and one Category B proposal for solar.² Of the Category A DR proposals, the total 2025 Winter Capacity is 161 MW, slightly higher than the 154 MW bidders offered in the 2018 RFP. Of the Category A BESS proposals, a total of 3 MWs was received for the 2022 DER RFP. No Category A solar proposal was provided; only a Category B equipment installation proposal was bid into the 2022 DER RFP. The potential capacity of Category B proposals for all resources is not listed for the 2022 DER RFP since those proposals need to be developed into complete Value Fit programs, which will then include more pricing and targeted capacity information.

The 2021 All-Source RFP (2021 RFP), which PSE issued on June 30, 2021, solicited utility scale projects as well as DER and DR projects, though no DER or DR proposals were bid into the 2021 RFP. PSE's 2021 All-Source RFP Proposal Summary Report was posted on October 1, 2021 and can be located on its public RFP website (www.pse.com/rfp).

As shown in Table 2, nearly all Category A proposals offered are Capacity Agreements, with none being currently operational. All Category B proposals will likely be Scope of Work Agreements built around a Master Service Agreement. Those details will be worked out after Category B proposals are turned into Value Fit programs and negotiations take place.

Table 2. *Offer structure and operating status by resource type*

Category A					
Resource	Type	# of Offers	2025 Winter Capacity (MW)	Offer Structure	Status
BESS	Residential	8	1.00	Capacity Agreement	Development
	C&I	1	2.00	Assest Purchase	Development
Demand Response	Behavioral	1	4.00	Capacity Agreement	Development
	Bundled ¹	4	107.10	Capacity Agreement	Development
	HVAC/Waterheater	2	50.00	Capacity Agreement	Development
Total ²		16	164.10		

1. Combination of various technologies such as: HVAC, Waterheater, BESS, EV, Lighting, BAS, Behavioral, etc...

2. DR total capacity consists of potentially overlapping programs between unique bidders

² The total capacity shown in Table 1 represents the aggregate total offered capacity by resource type, based on the base offer of each proposal. For a more granular view of the capacity options offered, see Appendix A, which includes the offer capacity associated with each offer option.

SECTION 3. INTRODUCTION TO THE RFP PROPOSAL SUMMARY (APPENDIX A)**3. Introduction to the RFP Proposal Summary (Appendix A)**

The information in Appendix A provides a summary of each offer associated with the proposals received. Each offer associated with a proposal shares a common identifying number in the proposal ID column, but has a distinguishing offer suffix in the offer column.

Please note that the data provided in Appendix A (and in the tables presented in Section 2 above) are based on the original proposal information as provided to PSE at the close of the bidding period. Where information was missing, the field has been left blank in Appendix A. PSE will work to address these issues and reconcile other known inconsistencies in the proposal forms with bidders through our data request process. As we perform our Phase 1 analysis and learn more through data request responses, it is possible that certain information, such as resource types, may be updated. Any updates to this report will be posted on the DER RFP website (www.pse.com/rfp).

SECTION 4. GLOSSARY

4. Glossary

BESS	Battery energy storage system
Commission	Washington Utilities and Transportation Commission (see also “WUTC”)
DER	Distributed energy resources
DR	Demand response
IRP	Integrated Resource Plan
MW	Megawatts
PSE	Puget Sound Energy
PV	Photovoltaic
RECs	Renewable energy credits
RFP	Request for proposals
WAC	Washington Administrative Code
WUTC	Washington Utilities and Transportation Commission (see also the “Commission”)

Appendix A. WAC 480-107-035(5) - 2022 DER RFP proposal summary

The data provided in this appendix are based on the original proposal information as provided to PSE at the close of the bidding period. Where information was missing, the field has been left blank. PSE will work to address these issues and reconcile other known inconsistencies in the proposal forms with bidders through our data request process. As we perform our Phase 1 analysis and learn more through data request responses, it is possible that certain information, such as resource types, may be updated.

Project ID	Offer	Resource type	Resource Description	Targeted Customer Class	Bid Category	Resource status	COD	Term start	Term end	Commercial Structure	Ownership Option	2025 Winter Capacity (MW)
5448	1	BESS	BESS	Residential	A	Development	11/1/2024	11/1/2024	10/31/2029	Capacity Agreement	YES	1.00
5448	2	BESS	Thermostat	Residential	A	Development	11/1/2024	11/1/2024	10/31/2029	Capacity Agreement	YES	1.31
5448	3	BESS	Thermostat, Smart Breaker	Residential	A	Development	11/1/2024	11/1/2024	10/31/2029	Capacity Agreement	YES	1.37
5448	4	BESS	Thermostat, Smart Breaker, EV Charge Mgmt.	Residential	A	Development	11/1/2024	11/1/2024	10/31/2029	Capacity Agreement	YES	1.44
5448	5	BESS	BESS	Residential	A	Development	11/1/2024	11/1/2024	10/31/2034	Capacity Agreement	YES	1.00
5448	6	BESS	Thermostat	Residential	A	Development	11/1/2024	11/1/2024	10/31/2034	Capacity Agreement	YES	1.34
5448	7	BESS	Thermostat, Smart Breaker	Residential	A	Development	11/1/2024	11/1/2024	10/31/2034	Capacity Agreement	YES	1.41
5448	8	BESS	Thermostat, Smart Breaker, EV Charge Mgmt.	Residential	A	Development	11/1/2024	11/1/2024	10/31/2034	Capacity Agreement	YES	1.50
2690	1	Demand Response	Direct Load Control, Thermostat	C&I; Residential	A	Development	4/4/2023	4/4/2023	4/3/2028	Capacity Agreement	-	20
4776	1	Demand Response	Thermostat, Waterheater, BESS, EV Charge Mgmt.	C&I	A	Development	10/1/2023	10/1/2023	9/30/2028	Capacity Agreement	-	3
9259	1	BESS	BESS	C&I; Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
2062	1	Solar	Solar	C&I; Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
3281	1	Demand Response	EV Charger (BYOC)	C&I; Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
3281	2	Demand Response	EV Charger (BYOC)	C&I; Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
3281	3	Demand Response	EV Charger (BYOC)	C&I; Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
5184	1	BESS	BESS	C&I	A	Development	3/30/2023	6/1/2022	5/30/2032	Assest Purchase	YES	2
1714	1	Demand Response	Behavioral, Thermostat, BESS, EV Charge Mgmt., Waterheater	C&I; Residential	A	Development	1/1/2023	1/1/2023	12/31/2027	Capacity Agreement	-	33.6
5641	1	NA	NA	C&I; Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
5247	1	Demand Response	Behavioral	Residential	A	Development	1/1/2023	1/1/2023	12/31/2027	Capacity Agreement	-	4
5241	1	Demand Response	BAS, Lighting, Generation, Storage, Industrial	C&I	A	Development	5/1/2023	5/1/2023	4/30/2028	Capacity Agreement	-	40
8969	1	NA	NA	C&I; Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
8918	1	Demand Response	BAS, Lighting, Thermostat, Pumps	C&I	A	Development	1/1/2023	1/1/2023	12/31/2027	Capacity Agreement	-	30
8491	1	Demand Response	Thermostat, Waterheater, BESS, EV Charge Mgmt.	Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
8491	2	Demand Response	Thermostat, Waterheater, BESS, EV Charge Mgmt.	Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
8491	3	Demand Response	Thermostat, Waterheater, BESS, EV Charge Mgmt.	Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
8491	4	Demand Response	Thermostat, Waterheater, BESS, EV Charge Mgmt.	Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
8491	5	Demand Response	Thermostat, Waterheater, BESS, EV Charge Mgmt.	Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
4054	1	NA	NA	C&I; Residential	B	NA	-	-	-	Scope of Work Agreement	-	-
7695	1	Demand Response	Thermostat, Waterheater	C&I; Residential	A	Development	1/1/2023	1/1/2023	12/31/2027	Capacity Agreement	-	30