

Exhibit H

Redlined Version of Exhibit K to the Draft 2021 All-Source RFP

2021 All-Source RFP for Renewable and Peak Capacity Resources:

Exhibit K. Demand Response Addendum

EXHIBIT K. DEMAND RESPONSE ADDENDUM

*Demand Response Addendum***Measurement and verification**

Proposals will be evaluated on a variety of criteria including, but not limited to: demonstrated competence and experience, management structure and assigned personnel, quality of proposed equipment and services, pricing, performance guarantees, and other criteria as outlined in Exhibit A.

PSE reserves the right to contact a bidder at any time for clarifications about any part of the bidder's proposal. Proposal review questions and communications will focus on clarifying the information set forth by the contractor in the proposals and will not be an opportunity for the contractor to revise terms.

PSE prefers proposals that provide the lowest reasonable cost throughout the program or project life, taking into account the price of the proposal and other factors that impact PSE's overall cost. PSE intends to analyze the economic benefits of demand response proposals in a manner consistent with the Integrated Resource Plan ("IRP").

PSE will evaluate bids as described in Exhibit A. The benefits and costs shown in the tables below will be included in the bid evaluation process when applicable, quantifiable, and significant. PSE prefers proposals and combinations of proposals that result in the lowest impact on PSE's revenue requirements and rates when included in PSE's existing generation resource portfolio.

PSE will adjust the bidder's proposed capacity during the evaluation process using effective load carrying capability ("ELCC") as shown in Table 3. The ELCC used in this evaluation will be dependent on the bidder's proposed resource availability, i.e., frequency and duration of events. ~~For example, a proposal with a program with no more than one, 4 hour event per day will be evaluated with an ELCC of 58 percent, while a program with up to two, 3 hour events per day with six hours of recovery time between events will be evaluated with an ELCC of 77 percent.~~

For the purposes of measurement and evaluation the respondent will:

- Provide participant data (to PSE and third-party evaluator) from a sufficient sample of customers for purposes of estimating average load impacts.
- Be called upon to provide meter and payment data, calculation methodologies and other relevant information related to enrolled participants.
- Conduct measurement and verification for estimation of load impacts (method to be agreed upon mutually with PSE, and verified by PSE and an independent contractor).

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Table 1. *Cost-effectiveness benefits for DR resources*

| Benefits |
|--|
| Avoided capacity costs <ul style="list-style-type: none"> - System wide peak capacity - Local/Distribution peak capacity constraints (location specific) |
| Avoided energy costs <ul style="list-style-type: none"> - Alleviate consumption during short duration, high energy system supply cost periods - Events improve alignment between customer loads and available carbon-free generation |
| Avoided transmission and distribution costs <ul style="list-style-type: none"> - Possible transmission cost savings where event capacity delivery is firm - Location specific infrastructure upgrade deferrals <ul style="list-style-type: none"> o Substation Expansions o Feeder modifications o New substations |
| Avoided environmental compliance costs <ul style="list-style-type: none"> - Possible CETA compliance cost savings by shifting customer energy use to adjacent and available carbon-free generation periods |

Table 2. *Costs for DR resources*

| Costs |
|---|
| Program administrator expenses |
| Program administrator capital costs |
| Financial incentive to participant |
| DR measure cost: Program administrator |
| DR measure cost: Participant contribution |
| Participant transaction costs |
| Participant value of lost service |
| Increased energy consumption |
| Environmental compliance costs |

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Table 3. *ELCC based on frequency and duration of DR events*

| Peak Capacity Credit for Demand Response | | | |
|---|---------------|--------------------------------|--------------------------------|
| DEMAND RESPONSE | Capacity (MW) | Peak Capacity Credit Year 2027 | Peak Capacity Credit Year 2031 |
| Demand Response, 3-hr duration, 6-hr delay, 10 calls per year | 100 | 26.0% | 31.6% |
| Demand Response, 4-hr duration, 6-hr delay, 10 calls per year | 100 | 32.0% | 37.4% |

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Data requirements

- Provide secure, data uploads into PSE’s data tracking system.
- Provide participant data from a sufficient sample of customers for purposes of estimating average load impacts.

Table 4. *Data support*

| | |
|-------------------------------------|--|
| 1. CIS and work management software | Describe your CIS and work management software, including how customer information is entered and updated, how scheduling of installations is accommodated, and how service requests and other necessary information are incorporated. |
| 2. Interface requirements | Describe the process by which PSE’s system is updated or fed with real time information, such as load curtailment activity and other predefined fields. Also, describe processes for providing updates/reports. |
| 3. Data sharing and reporting | <p>Respond in detail to the following:</p> <ul style="list-style-type: none"> • What types of information/data will be exchanged with PSE, and how will this data be transferred in a secure manner? Is it pulled, pushed on a time basis, or both? • What access will PSE staff have to account status, and what information will be available? • What types of status reporting will be provided to PSE, with what level of detail, and with what frequency? • What are your data retention policies? • What is your QA/QC process for ensuring that your customer data is correct and valid? |
| 4. Reliability and backup | Describe the protections and recovery methods for dealing with unforeseeable events (e.g., acts of nature, computer or hard drive failure in the computing resources, or security breaches) that may compromise vital customer or work management data. |
| 5. Testing approach | Describe how the data transfer processes will be tested initially and how they will be checked during the project to assure functionality and accuracy. |

EXHIBIT K. DEMAND RESPONSE ADDENDUM

Aggregated Customer Information

Table 5 below presents customer count and 2020 electricity sales data by North American Industry Classification System (“NAICS”) sector and by rate schedule for commercial and industrial (“C&I”) customers. Table 6 presents electricity sales by rate schedule and by county for C&I customer segments.

Table 5. *Customer count and electricity sales by sector and by rate schedule*

| NAICS sector description | 2020 GWh | Customer count by rate schedule ¹ | | | | Total count by sector |
|--|----------|--|---------------------|--|---|-----------------------|
| | | Sch. 25 ² | Sch. 26 | Sch. 31 | Sch. 49 | |
| | | >50 kW and ≤350 kW max. demand | >350 kW max. demand | >350 kW max. demand; delivery at 600 volts or higher | ≥4,400 kVA demand; delivery at 50,000 volts or higher | |
| Accommodation and food services | 205.3 | 683 | 40 | 7 | | 730 |
| Admin. support and waste management and remediation services | 141.8 | 205 | 22 | 11 | 1 | 239 |
| Agriculture, forestry, fishing and hunting | 103.0 | 170 | 14 | 14 | | 198 |
| Arts, entertainment, and recreation | 100.3 | 233 | 15 | 8 | | 256 |
| Construction | 110.4 | 248 | 31 | 14 | | 293 |
| Educational services | 255.9 | 445 | 49 | 72 | 1 | 567 |
| Finance and insurance | 114.5 | 198 | 21 | 6 | 1 | 226 |
| Health care and social assistance | 394.4 | 415 | 43 | 15 | | 473 |
| Information | 352.8 | 145 | 14 | 8 | 2 | 169 |

¹ Brief descriptions of rate schedules:

Schedule 25: Small Demand General Service (>50 kW and ≤350 kW max. demand customers)

Schedule 26: Large Demand General Service (>350 kW max. demand customers)

Schedule 31: Primary General Service (>350 kW with delivery at primary voltage (600 volts or higher))

Schedule 40: Large Demand General Service (>3aMW load on a distribution feeder)

Schedule 49: High Voltage General Service (Billing demands not less than 4,400 kVA and delivered at high voltage (50,000 volts or higher); customer provides all transformation and facilities beyond the point of delivery.

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| NAICS sector description | 2020 GWh | Customer count by rate schedule ¹ | | | | Total count by sector |
|---|----------------|--|---------------------|--|---|-----------------------|
| | | Sch. 25 ² | Sch. 26 | Sch. 31 | Sch. 49 | |
| | | >50 kW and ≤350 kW max. demand | >350 kW max. demand | >350 kW max. demand; delivery at 600 volts or higher | ≥4,400 kVA demand; delivery at 50,000 volts or higher | |
| Management of companies and enterprises | 24.8 | 27 | 6 | | | 33 |
| Manufacturing | 810.2 | 583 | 92 | 83 | 4 | 762 |
| Mining | - | 3 | | 1 | | 4 |
| Other Services (except public administration) | 95.7 | 457 | 21 | 13 | | 491 |
| Professional, scientific and technical services | 131.8 | 189 | 23 | 8 | 1 | 221 |
| Public administration | 380.4 | 559 | 33 | 65 | 3 | 660 |
| Real estate rental and leasing | 293.2 | 486 | 55 | 11 | 1 | 553 |
| Retail trade | 708.4 | 962 | 156 | 21 | | 1,139 |
| Transportation and warehousing | 196.0 | 180 | 25 | 22 | 1 | 228 |
| Utilities | 101.3 | 140 | 9 | 13 | 1 | 163 |
| Wholesale trade | 182.4 | 315 | 36 | 17 | | 368 |
| Not assigned | 515.3 | 1,202 | 74 | 55 | | 1,331 |
| Total | 5,217.9 | 7,845 | 779 | 464 | 16 | 9,104 |

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Table 6. *Electricity sales (GWh) by county and by rate schedule*

| County | Sales by rate schedule | | | | Total sales by county |
|--------------|--------------------------------|---------------------|--|-------------------------------------|-----------------------|
| | Sch. 25 | Sch. 26 | Sch. 31 | Sch. 40 | |
| | >50 kW and ≤350 kW max. demand | >350 kW max. demand | >350 kW max. demand; delivery at 600 volts or higher | >3aMW load on a distribution feeder | |
| Island | 23.9 | 9.1 | 7.2 | 53.3 | 93.5 |
| King | 968.8 | 1,186.3 | 594.6 | 355.0 | 3,104.7 |
| Kitsap | 106.9 | 94.1 | 39.0 | 18.6 | 258.6 |
| Kittitas | 8.1 | 8.2 | 5.4 | | 21.7 |
| Pierce | 140.3 | 134.6 | 131.6 | 11.5 | 418.0 |
| Skagit | 83.4 | 79.0 | 125.5 | 24.8 | 312.7 |
| Thurston | 142.9 | 166.7 | 235.8 | 46.0 | 591.4 |
| Whatcom | 123.6 | 93.7 | 147.3 | 41.8 | 406.4 |
| Not assigned | 5.3 | 5.6 | - | | 10.9 |
| Total | 1,603.2 | 1,777.3 | 1,286.4 | 551.0 | 5,217.9 |