

**EXH. KKD-__X
DOCKET UE-210795
2022 PSE CEIP
WITNESS: KARA K. DURBIN**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

In the Matter of
PUGET SOUND ENERGY, INC.
2021 Clean Energy Implementation Plan

Docket UE-210795

**EXHIBIT TO THE CROSS-EXAMINATION OF
KARA K. DURBIN
ON BEHALF OF NW ENERGY COALITION AND FRONT AND CENTERED**

JANUARY 24, 2023

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

**Docket UE-210795
Puget Sound Energy
PSE 2021 Clean Energy Implementation Plan**

FRONT AND CENTERED AND NW ENERGY COALITION DATA REQUEST NO. 155:

DATA REQUESTS DIRECTED TO: Kara Durbin

Topic: DEMAND RESPONSE TARGET

In the testimony of Kara Durbin (Exh. KKD-1T at 21:16-21 and 22:1-5), PSE explains that its DR target development “focused on DR programs that could reduce PSE’s winter peak demand.” Please describe any additional analysis PSE has done to evaluate its summer peak needs, and the potential for demand response programs to reduce summer peak. Please explain how inclusion of summer peak considerations affects the cost-effectiveness of demand response programs.

Response:

Puget Sound Energy (“PSE”) recently engaged E3 as part of its 2023 Integrated Resource Plan (“IRP”) Electric Progress Report to develop updated effective load carrying capacity values (“ELCC”), including demand response (“DR”) resource contribution to peak capacity reduction. This work was presented to stakeholders as part of the August 24, 2022 IRP Resource Adequacy Information Session (materials may be downloaded from PSE’s IRP website). The updated ELCC’s include both summer and winter values. The Phase 2 evaluation of the distributed energy resource (“DER”) request for proposal (“RFP”) was conducted in PSE’s benefit-cost analysis (“BCA”) model, which values DR’s contribution to both summer and winter peak capacity reductions. Similarly, the BCA accounts for avoided energy benefits from DR programs, which focus on the value of shifting load from on to off peak. In general, the inclusion of DR’s summer dispatch benefits increases the overall cost-effectiveness of the DR programs evaluated.