

EXH. BTC-3
DOCKETS NOS. UE-240004/UG-240005
2024 PSE GENERAL RATE CASE
WITNESS: BRADLEY CEBULKO

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

DOCKET NOS. UE-240004 and UG-240005
(Consolidated)

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**EXHIBIT BTC-3 (NONCONFIDENTIAL) TO THE
RESPONSE TESTIMONY OF**

BRADLEY CEBULKO

**ON BEHALF OF
JOINT ENVIRONMENTAL ADVOCATES**

August 6, 2024

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

**Dockets UE-240004 & UG-240005
Puget Sound Energy
2024 General Rate Case**

JEA DATA REQUEST NO. 057:

Re: Decarbonization

Please refer to PSE's 2023 updated Gas Decarbonization Study filed on December 22, 2023, in Docket UE-220066 as identified in JM-1CT at 2:22 – 3:25.

- a) For each of the four electrification scenarios, for each year, please provide the following information in unlocked Excel workbooks with all formulas intact:
 - i) The number of new customers assumed to convert to a fully electric heat pump;
 - ii) The number of existing customers assumed to convert to a fully electric heat pump;
 - iii) The number of new customers assumed to convert to a hybrid heat pump; and
 - iv) The number of existing customers assumed to convert to a hybrid heat pump.
- b) Please indicate which of the four electrification scenarios is PSE's preferred decarbonization scenario. If none of these is PSE's preferred scenario, please indicate what PSE's preferred decarbonization scenario is. Please provide all supporting analysis, studies, and workpapers supporting the selection of that scenario as PSE's preferred option.
- c) For PSE's preferred decarbonization scenario, please provide the annual contributions in each year through 2045 towards CCA compliance for PSE's gas system from each of the following:
 - i) No Cost Allowances;
 - ii) Purchased Allowances;
 - iii) Emissions Reductions from RNG;
 - iv) Emissions Reductions from Efficiency;
 - v) Emissions Reductions from Electrification;
 - vi) Emissions Reductions from Green Hydrogen; and
 - vii) Emissions Reductions from Other Sources.
- d) Please provide the same as above (1c) for each of the four electrification scenarios.

Response:

Puget Sound Energy (“PSE”) objects to JEA Data Request No. 057 to the extent it requests information that is publicly available or obtainable from some other source that is more convenient, less burdensome, or less expensive. Notwithstanding these objections, and subject thereto, PSE responds as follows:

- a) The customer conversions for each of the four scenarios are provided in Appendix F-Gas System Results.xlsx found in Attachment F ([220066-Attachment F-Gas System Results.xlsx](#)) Under “Customer summary” worksheet. The “F22” table in that worksheet provides the addition of new customers. The assumptions in the conversion are that in each of the scenarios all new customers get the specific heat pump technology that is associated with the scenario *e.g.*, in scenario one, all new customers get electric heat pumps.
- b) Please refer to PSE’s Response to AWEC Data Request No. 006. PSE does not have a preferred decarbonization scenario. PSE has an aspirational goal to have net zero emissions on the gas system by 2045. PSE is continuing to evaluate pathways in which decarbonization scenarios meet current laws and regulations.
- c) There is no preferred scenario.
- d) The emissions data broken out for the four scenarios is provided in Attachment A to PSE’s Response to JEA Data Request No. 057. The purchased CCA allowances are the difference between the emissions in the “Emissions Data” worksheet and the “No Cost Allowances: consigned” in the “Emissions by resource” worksheet respectively for each scenario.

**ATTACHMENT A to PSE's Response to
JEA Data Request No. 057**