

**EXH. PJP-__X
DOCKET UE-210795
2022 PSE CEIP
WITNESS: PHILLIP J. POPOFF**

**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
PHILLIP J. POPOFF
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. 204:

Topic: Popoff Testimony (SCGHG Modeling)

Please provide the following information for the “CETA” portfolio described in the Rebuttal Testimony of Phillip J. Popoff, which was developed by applying the SCGHG to dispatch in the capacity expansion run. For reference and clarity, this information was provided non-confidentially for a subset of portfolios in the “Summary Cost Tables” tab of Appendix A-3 of PSE’s CEIP.

- a. Net present value revenue requirement over 20 years.
- b. Net present value revenue requirement over 24 years.
- c. Net present value of the total social costs associated with GHG emissions from the portfolio over 20 years.
- d. Net present value of the total social costs associated with GHG emissions from the portfolio over 24 years.

Response:

Please see the following responses for the net present values of the “CETA” portfolio developed by applying the social cost of greenhouse gas (“SCGHG”) to dispatch in the table. The net present values are in billions of dollars to be consistent with the unit in the “Summary Cost Tables” tab of Appendix A-3 of Puget Sound Energy’s (“PSE”) Clean Energy Implementation Plan (“CEIP”).

- a. The net present value revenue requirement over 20 years is provided in row 6.
- b. The net present value revenue requirement over 24 years is provided in row 2.
- c. The net present value of the total social costs associated with GHG emissions over 20 years is provided in row 7.
- d. The net present value of the total social costs associated with GHG emissions over 24 years is provided in row 3.

Row	Portfolio Costs (B\$)	CETA_SCGHG_inDispatch
1	Total Portfolio Costs 24-Yr Levelized	\$18.71
2	Revenue Requirement	\$13.56
3	SCGHG Costs	\$5.15

4		
5	Total Portfolio Costs 20-Yr Levelized	\$16.43
6	Revenue Requirement	\$11.64
7	SCGHG Costs	\$4.79