

**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. 150:

Please provide the cost inputs for WA Wind used in any portfolio optimization or capacity expansion simulations that were used to develop the portfolio labeled “IRP No-CETA” and the portfolio labeled “CEIP With-CETA” in Appendix E-2_Incremental Cost Calculation Spreadsheet_2.1.22. If either of these portfolios was not developed (in part or in full) based on a portfolio optimization or capacity expansion simulation, please explain how the supply side additions in that portfolio were determined.

Response:

The Washington (“WA”) Wind cost input assumptions for the long-term capacity expansion simulation for the No Clean Energy Transformation Act are the same assumptions for WA Wind in the other Clean Energy Implementation Plan (“CEIP”) simulations. These cost input assumptions have been provided in Appendix H of Puget Sound Energy’s 2021 Integrated Resource Plan,¹ on the Microsoft Excel worksheet tab, “Renewable Resource Summary.” Capital costs assumptions were updated during the 2021 CEIP process to reflect the 2021 National Renewable Energy Laboratory’s Annual Technology Baseline. A correction was also made to the WA Wind Fixed Transmission Cost assumption. These assumption updates have been provided in the 2021 CEIP Appendix A-2,² on the Microsoft Excel worksheet tab, “Aurora_TSAAnnual.”

¹ Link found at [Appendix H: Inputs for the AURORA LTCE model](#).

² Link found at [Appendix A-2: AURORA Long-Term Capacity Expansion Input](#).