

**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. 149:

Please provide the levelized cost of energy (LCOE), broken out by cost category, for each of the renewable supply side resource options considered for inclusion in the CEIP Preferred Portfolio. Please provide this information by resource vintage and indicate whether the values represent real LCOE or nominal LCOE.

Response:

The levelized cost of energy (“LCOE”) is not a direct output of AURORA. LCOE of resource can be calculated by using the annual energy production, cost, and discount rate assumption. Attached as Attachment A to Puget Sound Energy's Response to Front and Centered and NW Coalition Data Request No. 149, please find the renewable resource annual energy production and nominal cost in the Clean Energy Implementation Plan’s (“CEIP”) preferred portfolio to support short-term (four-year CEIP cycle) and long-term LCOE calculations. The third tab, “CEIP_CostBreakdown,” in Attachment A shows the breakdown cost by category.

**ATTACHMENT A to PSE's Response to
FRONT AND CENTERED AND
NW ENERGY COALITION
Data Request No. 149**