EXH. PKW-25CT DOCKET UE-200980 2020 PSE PCORC WITNESS: PAUL K. WETHERBEE

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

Complainant,

v.

Docket UE-200980

PUGET SOUND ENERGY,

Respondent

PREFILED SUPPLEMENTAL DIRECT TESTIMONY (CONFIDENTIAL) OF

PAUL K. WETHERBEE

ON BEHALF OF PUGET SOUND ENERGY

REDACTED VERSION

FEBRUARY 2, 2021

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Exh. PKW-36C

Exh. PKW-37C

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PREFILED SUPPLEMENTAL DIRECT TESTIMONY

(CONFIDENTIAL) OF PAUL K. WETHERBEE

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I. INTRODUCTION

- Q. Are you the same Paul K. Wetherbee who provided prefiled direct testimony in this docket on behalf of Puget Sound Energy ("PSE")?
- A. Yes, I filed prefiled direct testimony, Exh. PKW-1CT, and 23 supporting exhibits, Exh. PKW-2 through Exh. PKW-24.
- Q. What is the purpose of your prefiled supplemental direct testimony?
- A. I present an update to the rate-year power costs presented in my prefiled direct testimony for changes that have occurred since PSE developed the input assumptions for its initial filing dated December 9, 2020. I sponsor twelve new exhibits in support of this prefiled supplemental direct testimony, all of which are updates to exhibits presented in PSE's initial filing.
- Q. Please summarize the updated power costs proposed by PSE in this supplemental direct testimony.
- A. Projected rate year power costs in this supplemental filing are \$769.1 million, \$8.7 million (or 1.2 percent) higher than the initially filed power costs of \$760.4 million. Please see Exh. PKW-26C and Exh. PKW-27C for comparisons of these updated power costs with power costs in PSE's initial filing.

Zone Aurora model 80 times using the power price outputs from the Western Interconnect model along with updated gas prices and fixed-price power hedges to produce updated cost and dispatch information for PSE's portfolio. Average Aurora cost and energy outputs from these 80 Two Zone model runs are presented in Exh. PKW-28C. Power costs calculated outside of Aurora were then updated to include updated input assumptions and the new prices and dispatch information from Aurora. Not-in-Aurora power costs are summarized in Exh. PKW-29C.

- Q. How do gas prices for this supplemental filing compare with those in the initial filing and the 2019 general rate case ("GRC")?
- A. Use of a single price can be misleading because there are different projected gas prices for each month of the rate year and for the different trading hubs from which PSE purchases gas. Additionally, these prices do not consider the impact of the fixed-price gas contracts at the price cut off date, which may significantly change the average gas price. For purposes of comparison, however, the average forward gas price at the Sumas trading hub for the rate year is \$2.99 per million British thermal units ("MMBtu") for the three months ended January 12, 2021, which is \$0.17 per MMBtu higher than the average \$2.83 per MMBtu price included in PSE's initial filing. Please see Exh. PKW-30C for the rate year natural gas prices and Aurora power price outputs used in this supplemental filing. The average gas price reflected in power costs from the 2019 GRC Final Order was \$2.17 per MMBtu for the three months ended December 5, 2019. Table 1 below presents average rate year gas price comparisons.

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Table 1. Average Annual Rate Year Gas Prices

Rate Case =>	2020 PCORC Supplemental	2020 PCORC Initial Filing	2019 GRC
3-Mo Average at =>	1/12/21	10/21/20	12/5/19
Rate Year	June 2021 – May 2022	June 2021 – May 2022	May 2020 – April 2021
Sumas	\$2.99	\$2.83	\$2.17
Change from Prior	\$0.17	\$0.66	\$(0.31)

Q. What hedges are included in rate year power costs?

A. Rate-year power costs in this supplemental filing include gas-for-power and power contracts that were transacted as of January 12, 2021, for delivery during the rate year (June 2021 through May 2022). Table 2 below provides a summary of the fixed-price rate-year power portfolio hedges included in rate-year power costs. Fixed-price power hedges are included as an input to the Aurora model. Exhibit PKW-31C includes fixed-price gas for power hedges and the calculation of their impact to power costs in this filing.

Table 2. PSE's 2020 PCORC Rate Year **Short-Term Fixed-Price Power Portfolio Hedges** at January 12, 2021

MWh Rate Year Avg. Volume \$/MWh Cost Net On-Peak Power Purchases Net Off-Peak Power Purchases Dth Rate Year Avg. Volume Cost \$/Dth Net Gas for Power Purchases

Prefiled Supplemental Direct Testimony (Confidential) of Paul K. Wetherbee

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- Q. What updates to BPA transmission rates did PSE make for this supplemental filing?
- A. PSE updated the rates associated with its transmission contracts with BPA to the rates filed by BPA in its initial proposal for the BP-22 rate case beginning

 October 1, 2021. New BPA transmission rates will be implemented on October 1,

 2021 and, therefore, will be in effect for the last eight months of the rate year in this proceeding. Current BPA transmission rates will remain in effect for the first four months of the rate year. PSE made no changes to the rates for the first four months of the rate year relative to those included in its initial filing, which are existing BPA rates.
- Q. What is the impact to rate-year power costs from updates to BPA transmission rates for the last eight months of the rate year?
- A. PSE's rate-year purchased transmission costs are \$6.2 million higher than those included in the initial PCORC filing. Exhibit PKW-32C presents PSE's calculation of purchased transmission costs for the rate year, including a comparison to amounts included in the initial filing.
- Q. Are the transmission rates in BPA's initial BP-22 rate case proposal final?
- A. No. A final Record of Decision in the BP-22 rate case is not expected until late July 2021, after the time that rates established in this PCORC filing are scheduled to take effect. The procedural schedule in BP-22 indicates that a draft Record of Decision is expected on June 11, 2021.

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- Q. Has PSE used BPA rates that are not yet final in its calculation of rate year power costs in prior rate cases?
- A. Yes. PSE has routinely used preliminary or estimated BPA rates in its rate case power cost projections, and these estimates have been accepted by the Commission in past cases. In some cases, however, final BPA rates became available prior to the conclusion of PSE's case; thus, PSE was able to utilize the final rates. Final BPA rates were not available for final power cost calculations in PSE's 2006 GRC, 2007 GRC, and 2014 power cost only rate case ("PCORC").
- Q. What BPA rate assumptions did PSE use for its final power cost calculations in the 2006 GRC and 2007 GRC?
- A. In both the 2006 GRC and 2007 GRC, PSE's final power costs assumed a 2.5 percent increase to BPA transmission rates in the period for which final rates were not available.
- Q. What BPA rate assumption did PSE use for its final power cost calculations in the 2014 PCORC?
- A. In its 2014 PCORC, PSE assumed BPA rate increases of 9.7 percent and 6.1 percent for its initial filing and supplemental filing, respectively, based on information provided by BPA during its pending rate case. As part of the settlement in that case, PSE's final power costs included no change to BPA transmission rates, where the new BPA rates were to be in effect for the last two months of PSE's rate year.

Q.	Why did PSE include BPA's proposed rates for the last eight months of the
	rate year in this supplemental filing?

A. There is a long history of including estimated or preliminary rate increases in PSE's rate year power costs, including in 2006 when power costs were litigated and in 2007 when power costs were settled.

BPA's proposed rates are the most current and best source of information available at this time. The procedural schedule in BP-22 indicates that a draft Record of Decision is expected on June 11, 2021, and there could be an updated proposal or settlement prior to that. If the Commission orders PSE to update power costs in the compliance filing in this case, PSE should be able to update to the most current available information at that time.

- Q. How did PSE update costs associated with its Mid-C hydroelectric contracts for this supplemental filing?
- A. PSE updated rate year costs for its Mid-C hydroelectric contracts to include the most recent cost information provided by Chelan County PUD for the Rocky Reach and Rock Island hydroelectric projects and by Grant County PUD for the Priest Rapids hydroelectric project. These costs are calculated outside of the Aurora model and are presented in Exh. PKW-33C, which includes a comparison to costs in the initial filing.