

Exh. DCG-25
Dockets UE-190529/UG-190530 and
UE-190274/UG-190275 (*consolidated*)
Witness: David C. Gomez

**BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**DOCKETS UE-190529
and UG-190530 (*consolidated*)**

In the Matter of the Petition of

PUGET SOUND ENERGY

**For an Order Authorizing Deferral
Accounting and Ratemaking Treatment
for Short-life UT/Technology Investment**

**DOCKETS UE-190274 and
UG-190275 (*consolidated*)**

EXHIBIT TO TESTIMONY OF

David C. Gomez

**STAFF OF
WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION**

PSE Response to Staff DR No. 70

November 22, 2019

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

**Dockets UE-190529 & UG-190530
Puget Sound Energy
2019 General Rate Case**

WUTC STAFF DATA REQUEST NO. 070

“CONFIDENTIAL” Table of Contents

DR NO.	“CONFIDENTIAL” Material
070	Shaded information designated as CONFIDENTIAL per Protective Order in Dockets UE-190529 and UG-190530 as marked in Attachments A, B, C, and D to Puget Sound Energy’s Response to WUTC Staff Data Request No. 070.

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

**Dockets UE-190529 & UG-190530
Puget Sound Energy
2019 General Rate Case**

WUTC STAFF DATA REQUEST NO. 070:

Re: Power Cost – Using commission-approved wind capacity factor

Please re-run the two-zone Aurora model for power costs using wind capacity factors at the levels used in the 2017 GRC, with all other input values the same as in the as-filed case.

- a. Please provide the output tables as additional columns in each tab of the workpaper “PKW-AURORA outputs” for a comparison to the as-filed results.
- b. Please compare the power cost estimate from the re-run to the as-filed estimate and state the total difference in power cost.
- c. Please list the differences in general categories of power cost (e.g., market purchase, wind integration cost, cost by types of generation, etc.)
- d. Please provide a table, for each PSE-owned or contracted wind resources, contrasting the quantity of wind generation using the two different sets of wind capacity factors (as-filed versus Commission-approved) by hour.
- e. Please provide the Aurora project file and change set file for the re-run.

Response:

- a. Attached as Attachment A to Puget Sound Energy’s (“PSE”) Response to WUTC Staff Data Request No. 070, please find a workbook corresponding to the workpaper *PKW-AURORA outputs* that reflects wind capacity factors at the levels used in the 2017 general rate case settlement. The AURORA outputs are compared to the proposed outputs in the workbook.
- b. The power cost estimate from the re-run using wind capacity factors at the levels used in the 2017 general rate case settlement is \$742.516 million, a decrease of less than \$1 million compared to the proposed power cost estimate.
- c. Attached as Attachment B to PSE’s Response to WUTC Staff Data Request No. 070, please find a workbook corresponding to the Second Exhibit to the Prefiled Direct Testimony of Paul K. Wetherbee, Exh-PKW-3C, that summarizes power costs using wind capacity factors at the levels used in the 2017 general rate case settlement. This file lists power costs by general category and compares them to proposed power costs.

- d. Attached as Attachment C to PSE's Response to WUTC Staff Data Request No. 070, please find a table contrasting hourly wind generation by resource between the proposed 2019 general rate case and the 2017 general rate case settlement.
- e. Attached as Attachment D to PSE's Response to WUTC Staff Data Request No. 070, please find the AURORA project files and change set files for the re-run using wind capacity factors at the levels used in the 2017 general rate case settlement.

Shaded information designated as CONFIDENTIAL per Protective Order in Dockets UE-190529 and UG-190530 as marked in Attachments A, B, C, and D to PSE's Response to WUTC Staff Data Request No. 070.

ATTACHMENT A to PSE's Response to WUTC Staff Data Request No. 070

ATTACHMENT B to PSE's Response to WUTC Staff Data Request No. 070

ATTACHMENT C to PSE's Response to WUTC Staff Data Request No. 070

ATTACHMENT D to PSE's Response to WUTC Staff Data Request No. 070