

**Exh. DCG-8C  
Dockets UE-170033/UG-170034  
Witness: David C. Gomez  
CONFIDENTIAL VERSION**

**BEFORE THE WASHINGTON  
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**PUGET SOUND ENERGY,**

**Respondent.**

**DOCKETS UE-170033 and  
UG-170034 (*Consolidated*)**

**EXHIBIT TO  
TESTIMONY OF**

**David C. Gomez**

**STAFF OF  
WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION**

*PSE's Response to Staff DR No. 259, Projected Wind Generation*

**June 30, 2017**

**CONFIDENTIAL PER PROTECTIVE ORDER – CONFIDENTIAL VERSION**

**BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**Dockets UE-170033 and UG-170034  
Puget Sound Energy  
2017 General Rate Case**

**WUTC STAFF DATA REQUEST NO. 259**

**“CONFIDENTIAL” “HIGHLY CONFIDENTIAL” Table of Contents**

<b>DR NO.</b>	<b>“CONFIDENTIAL” Material</b>
<b>259</b>	Designated Information is CONFIDENTIAL per Protective Order in WUTC Dockets UE-170033 & UG-170034 as marked in Puget Sound Energy’s Response to WUTC Staff Data Request No. 259.

**BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**Dockets UE-170033 and UG-170034  
Puget Sound Energy  
2017 General Rate Case**

**WUTC STAFF DATA REQUEST NO. 259**

**WUTC STAFF DATA REQUEST NO. 259:**

**RE: Projected Wind Generation**

Referring to Staff Data Request No. 176 and Mr. Wetherbee's direct testimony (Exh. No. PKW-1CT, Page 74:17-23), please calculate and quantify the resulting impact on (a) rate year pro forma power supply expense and (b) revenue requirement in the 2017 PSE GRC of: using wind generation forecasts developed by Vaisala for Hopkins Ridge, Wild Horse, Wild Horse Expansion, and LSR Phase I (referred to in Exh. No. PKW-1CT, Table 2, page 9:1) instead of the original preconstruction forecasts that PSE relied on for a prudency determination from the Commission for these resources. For each wind resource, provide the Commission Docket Number wherein the prudency determination was made.

**Response:**

Puget Sound Energy ("PSE") re-estimated the rate year power costs in response to WUTC Staff Data Request No. 259 based on power costs in the supplemental filing. The resulting impact of using the preconstruction generation forecast developed for Hopkins Ridge, Wild Horse, Wild Horse Expansion, and LSR Phase I, instead of the Vaisala forecast used in the 2017 PSE General Rate Case ("GRC"), are a (a) reduction to power costs by \$4.399 million and (b) a reduction to the revenue requirement by \$4.441 million from the supplemental filing.

PSE also re-estimated rate year power costs using the preconstruction forecasts for Hopkins Ridge, Wild Horse, Wild Horse Expansion, LSR Phase I as well as Klondike III. In this scenario, power costs are lower by \$3.32 million and the revenue requirement is lower by \$3.353 million from the supplemental filing.

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PROTECTIVE ORDER IN WUTC DOCKETS UE-170033 AND  
UG-170034

	Rate Year Power Costs	
	PSE ONLY Wind Preconstruction Forecast	PSE Wind & Klondike Preconstruction Forecast
<i>(dollars are in thousands)</i>		
<b>2017GRC Supplemental</b>	\$ 737,710	\$ 737,710
Aurora	\$ (4,509)	\$ (3,422)
Not in Model	\$ 111	\$ 101
<b>Total Change</b>	\$ (4,399)	\$ (3,320)
<b>Power Costs for WUTC DR 259</b>	\$ 733,311	\$ 734,390

Please see Attachment A to PSE’s Response to WUTC Staff Data Request No. 176 for an MS Excel spreadsheet that contains the preconstruction forecasts, 2010 DNV forecasts, and 2016 Vaisala forecasts of generation for wind resources owned by PSE, as well as the preconstruction and Avangrid 2016 forecasts for the Klondike III power purchase agreement.

The Commission Docket Number wherein the prudency determination was made for each wind resource is listed in the table below.

Wind Resource	Commission Docket Number
Hopkins Ridge	2005 PCORC (UE-050870); Infill 07 GRC (UE-072300)
Wild Horse	2006 GRC (UE-060266)
Wild Horse Expansion	2009 GRC (UE-090704)
Lower Snake River	2011 GRC (UE-111048)
Klondike III Power Purchase Agreement	2007 GRC (UE-072300)

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