EXHIBIT NO. ___(RJR-1CT)
DOCKET NO. UE-14___
2014 PSE PCORC
WITNESS: RONALD J. ROBERTS

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,	
Complainant,	
v.	Docket No. UE-14
PUGET SOUND ENERGY, INC.,	
Respondent.	

PREFILED DIRECT TESTIMONY (CONFIDENTIAL) OF RONALD J. ROBERTS
ON BEHALF OF PUGET SOUND ENERGY, INC.

PUBLIC VERSION

PUGET SOUND ENERGY, INC.

PREFILED DIRECT TESTIMONY (CONFIDENTIAL) OF RONALD J. ROBERTS

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PUGET SOUND ENERGY, INC.

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T. INTRODUCTION

- Q. Please state your name, business address, and position with Puget Sound Energy, Inc.
- A. My name is Ronald J. Roberts. My business address is 10885 N.E. Fourth Street Bellevue, WA 98004. I am the Director of Thermal Resources for Puget Sound Energy, Inc. ("PSE").
- Q. Have you prepared an exhibit describing your education, relevant employment experience, and other professional qualifications?
- A. Yes, I have. It is Exhibit No. (RJR-2).
- Q. What are your duties as Director of Thermal Resources for PSE?
- A. I plan, organize, and direct PSE's gas and coal electric energy production, including operations, maintenance and modernization of PSE's owned and jointly-owned generating facilities. My duties also include managing PSE's thermal purchased power agreements. Furthermore, I assist the resource acquisition team in performing due diligence evaluations of potential thermal resource acquisitions. I am responsible for overseeing the safe operation of PSE's natural gas and coal generation plants and optimizing their operation in a manner that will benefit our customers and develop our employees to their maximum

utilizes test year O&M expense and makes certain pro forma adjustments as previously allowed by the Commission.

- Q. Please identify the basis used for rate year production O&M when rate year production O&M is not based upon test year expense.
- A. Rate year O&M expenses for PSE's jointly-owned facilities, Colstrip Units 1 and 2, Colstrip Units 3 and 4 and the Frederickson 1 Generating Station ("Freddy 1"), are developed from budgets and business plans provided by the plant operator and approved by the owners. For PSE's hydroelectric plants, rate year O&M expense undertaken to comply with the FERC license requirements is based upon scheduled rate year activity required under the terms of the FERC licenses. For PSE's wind generating stations, rate year royalties, rents and contract maintenance expense are pro formed to reflect rate year projected wind generation. This is consistent with the methodology used to determine rate year O&M expenses in the last several rate cases. Finally, major maintenance expense at PSE's combustion generating facilities is based upon the historical test period, updated to reflect projected rate year amortization of major maintenance events as discussed below.

Q. What is PSE's production O&M expense for the rate year?

A. The rate year production O&M costs are forecast to be \$133.1 million, a decrease of \$2.6 million as compared to the 2013 PCORC production O&M costs of

¹ See Exhibit No. ___(KJB-4), page 5, line 11.

\$135.7 million.² Please see Exhibit No. ____(RJR-3) for a summary of the rate year production O&M costs.

B. Pro forma Adjustments to Operations and Maintenance Expense

- Q. Please describe the nature of the pro forma adjustments made to production O&M costs in this filing.
- A. The test year for this proceeding is January 2013 through December 2013. PSE has made certain adjustments to test year expenses in calculating the December 2014 through November 2015 ("rate year") production O&M expense as follows:
 - (i) added \$7.2 million to test year production O&M to reflect projected Colstrip O&M costs based upon forecasted O&M costs provided by the plant operator, PPL Montana;
 - (ii) added \$1.6 million to rate year O&M to reflect rate year amortization of contract major maintenance:
 - added \$0.5 million to test year O&M to reflect rate year amortization associated with a \$2.2 million combustion inspection (\$0.7 million increase to amortization expense) and a \$1.9 million steam turbine major inspection (\$0.2 million increase to amortization expense) at Goldendale to be completed in May 2014; less test year amortization removed from rate year associated with a 2011 hot gas path inspection that will not extend into the rate year (\$0.4 million reduction to amortization expense). See major maintenance discussion below;
 - added \$0.6 million to test year O&M to reflect rate year amortization associated with a \$3.2 million steam turbine full-scale inspection performed at the

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² The amounts reflected on lines 19 and 47 of Exhibit No. ___(KJB-8) differ from the amounts reflected here due to the reclassification of benefits and taxes, the application of the production and conversion factors, as well as the revenue requirement calculation on a unit cost basis.

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Q. What is the nature of the \$7.3 million adjustment to test year maintenance for Colstrip Units 1 and 2 included in Exhibit No. ___(RJR-3)?

- A. The primary driver of this adjustment is a planned major overhaul of Colstrip Unit 2 in the amount of \$6.5 million as discussed above. There were no major outages performed on Colstrip Units 1 and 2 during the test year. Each Colstrip unit is overhauled on a three-year cycle and due to this timing there was no overhaul performed during the 2013 test year.
- Q. Does PSE anticipate making any updates to the rate year O&M expense for its jointly-owned facilities?
- A. PSE proposes to update production O&M expense for its jointly-owned facilities if information changes during this proceeding.

IV. OPERATIONS AND MAINTENANCE EXPENSE OF PSE'S SIMPLE CYCLE AND COMBINED CYCLE COMBUSTION TURBINE GENERATION FACILITIES

- A. Non-Major Maintenance and Operating Expense of PSE's Simple Cycle and Combined Cycle Combustion Turbine Facilities
- Q. What is the basis for the calculation of O&M expense, other than major maintenance, for PSE's owned and jointly-owned generation stations?
- A. As previously discussed, PSE generally uses a test year level of production O&M expense to represent a normal level of operating expenses for PSE's owned and operated gas fired turbines. For PSE's jointly-owned gas fired turbine, Freddy 1, the plant operators budget, except for major maintenance costs, represents the rate year level of production O&M expense. To summarize:

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- (i) The Goldendale, Mint Farm, Encogen, Sumas, Ferndale, Frederickson, Fredonia, Whitehorn and Crystal Mountain facilities rate year production O&M expense is based upon actual test year production O&M expense;
- (ii) The jointly-owned Freddy 1 rate year production O&M expense is based upon projected rate year operating costs provided by the plant operator, Atlantic Power Corporation (formerly Capital Power Corporation).

This methodology is consistent with the manner in which production O&M expense was determined in PSE's 2009 and 2011 general rate cases as well as the 2013 PCORC.

B. Major Maintenance of PSE'S Simple Cycle and Combined Cycle Combustion Turbine Facilities

- Q. What is the basis for major maintenance events and expenditures included in this filing?
- A. Major maintenance included in this proceeding reflects the rate making treatment as established in the 2013 PCORC³. In general, if the cost of a major maintenance event performed at any of PSE's gas fired generating facilities is \$500,000 or greater, the costs incurred shall be deferred and amortized over the period until the next scheduled equivalent major maintenance event for that facility. The deferred amount will not be treated as a regulatory asset. If a major maintenance event occurs during the test year but does not meet the \$500,000 threshold, the cost of the major maintenance will be included in test year production O&M expense as incurred. Amortization associated with events that

³ Order 06 7:20; Settlement Stipulation 6:17-8:19.

have occurred prior to and during the test year have been included in the rate year to the extent that the associated amortization extends into the rate year.

Amortization that ends prior to the rate year were excluded from the rate year.

Finally, amortization associated with major maintenance events that occur after the test year but that are known and measurable at the time of the evidentiary hearing are included in rate year production O&M expense.

- Q. What is the cost for major maintenance associated with PSE's owned and jointly-owned simple and combined cycle combustion turbine facilities included in this proceeding?
- A. PSE's rate year major maintenance expense is \$2.4 million as compared to \$5.8 million in the 2013 PCORC. Major maintenance amortization included in this filing is associated with the hot gas path inspection performed at the Mint Farm Generating Station in May 2013 (\$0.6 million projected rate year amortization); a \$3.2 million steam turbine full-scale inspection to be performed at the Mint Farm Generating Station in April 2014 (\$0.6 million projected rate year amortization); a \$2.2 million combustion inspection and a \$1.9 million steam turbine major inspection to be performed at the Goldendale Generating Station in May 2014 (\$0.7 million and \$0.2 million projected rate year amortization, respectively); and a \$1.5 million hot gas path inspection of Unit 2 at the Frederickson Generating Station to be performed in May 2014 (\$0.2 million projected rate year amortization). Though the costs of the 2014 events are estimated amounts, once the aforementioned events have been completed and the costs become known, the

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associated amortization will be recalculated based upon known and measurable costs and incorporated into this filing.

Status of Major Maintenance Contracts C.

- Q. What is the status of major maintenance contracts for PSE's thermal generating facilities?
- PSE currently has long term major maintenance contracts with General Electric A. International ("GEI") to provide combustion turbine major maintenance services at the Goldendale Generating Station and Mint Farm Generating Station. These contracts are expected to expire in 2016 and 2026, respectively. There is also a long term maintenance contract with GEI at Freddy 1 that will terminate in 2021.

V. **CONCLUSION**

- Q. Does this conclude your prefiled direct testimony?
- Yes. A.