

PRELIMINARY EXHIBIT LIST
PSE 2019 GENERAL RATE CASE
Dockets UE-190529/UG-190530/UE-190274/UG-190275

NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
PUGET SOUND ENERGY				
DAVID E. MILLS, Senior Vice President of Policy and Energy Supply, Puget Sound Energy (PSE)				
<u>DEM-1T</u>	David E. Mills		6/20/2019	Prefiled Direct Testimony
<u>DEM-2</u>	David E. Mills		6/20/2019	Professional Qualifications
<u>DEM-3T</u>	David E. Mills		1/15/2020	Prefiled Rebuttal Testimony
DANIEL A. DOYLE, Senior Vice President and Chief Financial Officer, PSE				
<u>DAD-1T</u>	Daniel A. Doyle		6/20/2019	Prefiled Direct Testimony
<u>DAD-2</u>	Daniel A. Doyle		6/20/2019	Professional Qualifications
<u>DAD-3</u>	Daniel A. Doyle		6/20/2019	Standard and Poor's Funds from Operations to Debt (FFO/Debt) Metric for PSE
<u>DAD-4</u>	Daniel A. Doyle		6/20/2019	Returns on Equity, Equity Ratios and Weighted-Average Returns on Equity Authorized for Electric and Natural Gas Utilities for the Period January 18, 2018, through December 31, 2018
<u>DAD-5</u>	Daniel A. Doyle		6/20/2019	Returns on Equity, Equity Ratios and Weighted-Average Returns on Equity Authorized for Dr. Morin's Proxy Group of Electric and Natural Gas Utilities for the Period January 18, 2018, through December 31, 2018

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
<u>DAD-6</u>	Daniel A. Doyle		6/20/2019	Test Year and Rate Year Metric Comparisons for PSE
<u>DAD-7T</u>	Daniel A. Doyle		1/15/2020	Prefiled Rebuttal Testimony
<u>DAD-8</u>	Daniel A. Doyle		1/15/2020	Example Calculation of PSE's Proposed Changes to PSE's Earnings Sharing Mechanism if the Commission Were to Adopt PSE's Proposed Attrition Adjustments
<u>DAD-9</u>	Daniel A. Doyle		1/15/2020	Impact of Commission Staff's and Public Counsel's Weighted-Average Return on Equity Proposals
DR. ROGER A. MORIN, Principal, Utility Research International				
<u>RAM-1T</u>	Dr. Roger A. Morin		6/20/2019	Prefiled Direct Testimony
<u>RAM-2</u>	Dr. Roger A. Morin		6/20/2019	Professional Qualifications
<u>RAM-3</u>	Dr. Roger A. Morin		6/20/2019	Investment-Grade Dividend-Paying Combination Gas and Electric Utilities Covered in Value Line's Electric Utilities Industry Group
<u>RAM-4</u>	Dr. Roger A. Morin		6/20/2019	Proxy Group for Puget Sound Energy
<u>RAM-5</u>	Dr. Roger A. Morin		6/20/2019	Combination Electric and Gas Utilities-DCF Analysis Value Line Growth Rates

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
<u>RAM-6</u>	Dr. Roger A. Morin		6/20/2019	Combination Electric and Gas Utilities-DCF Analysis Analysts' Growth Forecasts
<u>RAM-7</u>	Dr. Roger A. Morin		6/20/2019	Combination Electric and Gas Utilities-Beta Estimates
<u>RAM-8</u>	Dr. Roger A. Morin		6/20/2019	DCF Analysis S&P 500 Stocks
<u>RAM-9</u>	Dr. Roger A. Morin		6/20/2019	Discussion of the ECAPM, Including Its Theoretical and Empirical Underpinnings
<u>RAM-10</u>	Dr. Roger A. Morin		6/20/2019	2018 Utility Industry Historical Risk Premium
<u>RAM-11</u>	Dr. Roger A. Morin		6/20/2019	Allowed Risk Premium Analysis
<u>RAM-12T</u>	Dr. Roger A. Morin		1/15/2020	Prefiled Rebuttal Testimony
<u>RAM-13</u>	Dr. Roger A. Morin		1/15/2020	Expected and Authorized Returns on Equity for Dr. Woolridge's Proxy Group of Thirty Electric Utilities
<u>RAM-14</u>	Dr. Roger A. Morin		1/15/2020	Updated Combination Electric & Gas Utilities – DCF Analysis Value Line
<u>RAM-15</u>	Dr. Roger A. Morin		1/15/2020	Updated Combination Electric & Gas Utilities – DCF Analysis Analysts' Growth Forecasts
<u>RAM-16</u>	Dr. Roger A. Morin		1/15/2020	Updated Combination Electric & Gas Utilities – Beta Estimates

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<u>RAM-17</u>	Dr. Roger A. Morin		1/15/2020	Updated DCF Analysis S&P 500 Stocks
MATTHEW D. MCARTHUR, Corporate Treasurer, PSE				
<u>MDM-1T</u>	Matthew D. McArthur		6/20/2019	Prefiled Direct Testimony
<u>MDM-2</u>	Matthew D. McArthur		6/20/2019	Professional Qualifications
<u>MDM-3</u>	Matthew D. McArthur		6/20/2019	Test Year Capital Structure and Costs of Capital (2018 Commission Basis Reports)
<u>MDM-4</u>	Matthew D. McArthur		6/20/2019	Test Year Capital Structure and Costs of Capital (As Adjusted by PSE)
<u>MDM-5</u>	Matthew D. McArthur		6/20/2019	Projected Rate Year Capital Structure and Costs of Capital
<u>MDM-6</u>	Matthew D. McArthur		6/20/2019	PSE's Outstanding Issues of Callable Long-Term Debt as of December 31, 2018
<u>MDM-7T</u>	Matthew D. McArthur		1/15/2020	Prefiled Rebuttal Testimony
<u>MDM-8</u>	Matthew D. McArthur		1/15/2020	PSE's Proposed Cost of Capital and Rate of Return (with a Revised Return on Equity of 9.5 Percent)
<u>MDM-9</u>	Matthew D. McArthur		1/15/2020	PSE's Proposed Cost of Capital and Rate of Return (with a Revised Return on Equity of 9.7 Percent)

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MARGRET F. HOPKINS, Vice President and Chief Information Officer, PSE				
<u>MFH-1T</u>	Margaret F. Hopkins		6/20/2019	Prefiled Direct Testimony
<u>MFH-2</u>	Margaret F. Hopkins		6/20/2019	Professional Qualifications
<u>MFH-3</u>	Margaret F. Hopkins		6/20/2019	Technology Placed into Service After October 1, 2016, and Before December 31, 2018
<u>MFH-4</u>	Margaret F. Hopkins		6/20/2019	Data Center and Disaster Recovery Program Corporate Spending Authorization Documentation
<u>MFH-5</u>	Margaret F. Hopkins		6/20/2019	Energy Management System Upgrade Corporate Spending Authorization
<u>MFH-6</u>	Margaret F. Hopkins		6/20/2019	HR-TOPS Corporate Spending Authorization
<u>MFH-7T</u>	Margaret F. Hopkins		1/15/2020	Prefiled Rebuttal Testimony
<u>MFH-8</u>	Margaret F. Hopkins		1/15/2020	Forbes: Next-Generation Data Centers
JOSHUA J. JACOBS, Director, Business Integration, PSE				
<u>JJJ-1T</u>	Joshua J. Jacobs		6/20/2019	Prefiled Direct Testimony
<u>JJJ-2</u>	Joshua J. Jacobs		6/20/2019	Professional Qualifications
<u>JJJ-3</u>	Joshua J. Jacobs		6/20/2019	2016 GTZ Board Presentation
<u>JJJ-4</u>	Joshua J. Jacobs		6/20/2019	2016 GTZ Project Roadmap

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
<u>JJJ-5</u>	Joshua J. Jacobs		6/20/2019	2016 JD Power Residential Electric & Natural Gas Scores
<u>JJJ-6</u>	Joshua J. Jacobs		6/20/2019	GTZ Project List
<u>JJJ-7</u>	Joshua J. Jacobs		6/20/2019	Web Corporate Spending Authorization
<u>JJJ-8</u>	Joshua J. Jacobs		6/20/2019	Communication Gateway Corporate Spending Authorization
<u>JJJ-9</u>	Joshua J. Jacobs		6/20/2019	Microservices Corporate Spending Authorization
<u>JJJ-10</u>	Joshua J. Jacobs		6/20/2019	IWM Corporate Spending Authorization
<u>JJJ-11T</u>	Joshua A. Jacobs		1/15/2020	Prefiled Rebuttal Testimony
<u>JJJ-12</u>	Joshua J. Jacobs		1/15/2020	J.D. Power 2019 Utilities Industry Outlook
<u>JJJ-13</u>	Joshua J. Jacobs		1/15/2020	Consumer Education Cards
<u>JJJ-14</u>	Joshua J. Jacobs		1/15/2020	GTZ Pro Forma Period Project List Update
ANDREW WAPPLER, Vice President, Customer Operations and Communications, PSE				
<u>AW-1T</u>	Andrew Wappler		6/20/2019	Prefiled Direct Testimony
<u>AW-2</u>	Andrew Wappler		6/20/2019	Professional Qualifications
<u>AW-3</u>	Andrew Wappler		6/20/2019	JD Power 2018 Electric Residential Customer Satisfaction Survey
<u>AW-4</u>	Andrew Wappler		6/20/2019	JD POWER 2017-2018 Scorecards

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<u>AW-5T</u>	Andrew Wappler		1/15/2020	Prefiled Rebuttal Testimony
BOOGA K. GILBERTSON, Senior Vice President, Operations, PSE				
<u>BKG-1T</u>	Booga K. Gilbertson		6/20/2019	Prefiled Direct Testimony
<u>BKG-2</u>	Booga K. Gilbertson		6/20/2019	Professional Qualifications
CATHERINE A. KOCH, Director, Planning, PSE				
<u>CAK-1T</u>	Catherine A. Koch		6/20/2019	Prefiled Direct Testimony
<u>CAK-2</u>	Catherine A. Koch		6/20/2019	Professional Qualifications
<u>CAK-3</u>	Catherine A. Koch		6/20/2019	Major Projects Greater than \$10 Million
<u>CAK-4</u>	Catherine A. Koch		6/20/2019	Advanced Metering Infrastructure
<u>CAK-5</u>	Catherine A. Koch		6/20/2019	Storm Deferral
<u>CAK-6T</u>	Catherine A. Koch		1/15/2020	Prefiled Rebuttal Testimony
<u>CAK-7</u>	Catherine A. Koch		1/15/2020	Public Counsel's Response to PSE Data Request No. 003
DUANE A. HENDERSON, Manager, Gas Integrity, PSE				
<u>DAH-1T</u>	Duane A. Henderson		6/20/2019	Prefiled Direct Testimony
<u>DAH-2</u>	Duane A. Henderson		6/20/2019	Professional Qualifications
<u>DAH-3</u>	Duane A. Henderson		6/20/2019	Excerpts from PSE 2012 10-Year Plan HP Project List
<u>DAH-4T</u>	Duane A. Henderson		1/15/2020	Prefiled Rebuttal Testimony

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DOUGLAS S. LOREEN, Director Safety & Corporate Shared Services, PSE				
<u>DSL-1T</u>	Douglas S. Loreen		6/20/2019	Prefiled Direct Testimony
<u>DSL-2</u>	Douglas S. Loreen		6/20/2019	Professional Qualifications
<u>DSL-3</u>	Douglas S. Loreen		6/20/2019	CBRE Workplace Strategy Findings Report
<u>DSL-4C</u>	Douglas S. Loreen		6/20/2019	CBRE Market Analysis April 2018
<u>DSL-5</u>	Douglas S. Loreen		6/20/2019	Capital Spending Authorization for Bellingham Service Center
<u>DSL-6</u>	Douglas S. Loreen		6/20/2019	South King Complex Tenant Improvement - Phase I
<u>DSL-7</u>	Douglas S. Loreen		6/20/2019	Snoqualmie Facility Purchase Authorization
<u>DSL-8T</u>	Douglas S. Loreen		9/17/2019	Prefiled Supplemental Direct Testimony
<u>DSL-9</u>	Douglas S. Loreen		9/17/2019	Purchase and Sale Agreement
PAUL K. WETHERBEE, Director, Energy Supply Merchant, PSE				
<u>PKW-1CT</u>	Paul K. Wetherbee		6/20/2019	Prefiled Direct Testimony
<u>PKW-2</u>	Paul K. Wetherbee		6/20/2019	Professional Qualifications
<u>PKW-3</u>	Paul K. Wetherbee		6/20/2019	Summary of PSE's Proposed Power Costs in Comparison with Power Costs in the 2017 GRC Settlement

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
<u>PKW-4</u>	Paul K. Wetherbee		6/20/2019	EMC Slides for 150 MW Midway Transmission Renewal
<u>PKW-5</u>	Paul K. Wetherbee		6/20/2019	EMC Slides for 474 MW Rocky Reach/Vantage Transmission Renewal
<u>PKW-6</u>	Paul K. Wetherbee		6/20/2019	EMC Slides for 150 MW New Mid-C Transmission
<u>PKW-7</u>	Paul K. Wetherbee		6/20/2019	EMC Slides for 663 MW Colstrip Transmission Renewal
<u>PKW-8</u>	Paul K. Wetherbee		6/20/2019	EMC Slides for 300 MW Transmission Renewal for PG&E Exchange Agreement
<u>PKW-9</u>	Paul K. Wetherbee		6/20/2019	EMC Slides for Hopkins Ridge 2024 Transmission
<u>PKW-10C</u>	Paul K. Wetherbee		6/20/2019	Description of the Analysis Used to Estimate the Value of the Colville Slice of the Wells Hydroelectric Project
<u>PKW-11</u>	Paul K. Wetherbee		6/20/2019	EMC Slides for Extension of 33,000 dth/day Capacity on Westcoast Pipeline
<u>PKW-12C</u>	Paul K. Wetherbee		6/20/2019	EMC Slides for Extension of 52,000 dth/day Capacity on Westcoast Pipeline
<u>PKW-13C</u>	Paul K. Wetherbee		6/20/2019	Summary of Rate Year Power Costs by Resource
<u>PKW-14C</u>	Paul K. Wetherbee		6/20/2019	Monthly Detail of Costs and Energy Produced by AURORA

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<u>PKW-15C</u>	Paul K. Wetherbee		6/20/2019	Summary of the Rate Year Costs Not in Aurora
<u>PKW-16C</u>	Paul K. Wetherbee		6/20/2019	Rate Year Resources Input Summary
<u>PKW-17C</u>	Paul K. Wetherbee		6/20/2019	Summary of the 2018 Review of Variable O&M Costs
<u>PKW-18C</u>	Paul K. Wetherbee		6/20/2019	Variable Operations and Maintenance Dispatch Assumptions for Gas-Fired Generators
<u>PKW-19C</u>	Paul K. Wetherbee		6/20/2019	Monthly Market Gas and Power Prices
<u>PKW-20C</u>	Paul K. Wetherbee		6/20/2019	Presentation of the 2017 Availability Data and the Adjusted Capacity Used to Calculate the Cost of Westcoast Capacity
<u>PKW-21C</u>	Paul K. Wetherbee		6/20/2019	Comparison of Actual Wind Generation with Preconstruction, 2010 DNV, and 2016 Wind Forecast for Each Wind Resource
<u>PKW-22C</u>	Paul K. Wetherbee		6/20/2019	Development of Skookumchuck PPA Hour-Ahead Costs
<u>PKW-23C</u>	Paul K. Wetherbee		6/20/2019	Calculation of Rate Year Day-Ahead Wind Integration Costs
<u>PKW-24C</u>	Paul K. Wetherbee		6/20/2019	Colstrip Fixed Fuel Costs
<u>PKW-25C</u>	Paul K. Wetherbee		6/20/2019	Contract Costs of Mid-C Hydro Resources

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<u>PKW-26C</u>	Paul K. Wetherbee		6/20/2019	BPA Transmission Costs
<u>PKW-27C</u>	Paul K. Wetherbee		6/20/2019	Gas Mark-to-Model and Open Transport Value
<u>PKW-28C</u>	Paul K. Wetherbee		6/20/2019	Fixed Gas-for-Power Transportation Costs
<u>PKW-29C</u>	Paul K. Wetherbee		6/20/2019	Distillate Fuel Incremental Costs
<u>PKW-30C</u>	Paul K. Wetherbee		6/20/2019	Adjustment to Remove Non-Fuel Costs that are Included in AURORA's Peaker Start Costs
<u>PKW-31C</u>	Paul K. Wetherbee		6/20/2019	Winter Peak Planning Incremental Costs
<u>PKW-32</u>	Paul K. Wetherbee		6/20/2019	Other Power Costs Chargeable to FERC Account 557
<u>PKW-33C</u>	Paul K. Wetherbee		6/20/2019	Comparison of Commission Approved Power Costs with Proposed Power Costs in this Proceeding
<u>PKW-34CT</u>	Paul K. Wetherbee		1/15/2020	Prefiled Rebuttal Testimony
<u>PKW-35C</u>	Paul K. Wetherbee		1/15/2020	Summary of PSE's Proposed Power Costs in Comparison with Power Costs presented in Prefiled Direct Testimony
<u>PKW-36C</u>	Paul K. Wetherbee		1/15/2020	PSE's Response to WUTC Staff Data Request No. 202
<u>PKW-37C</u>	Paul K. Wetherbee		1/15/2020	2016 Vaisala Wind Forecast Reports

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
<u>PKW-38</u>	Paul K. Wetherbee		1/15/2020	Westcoast Pipeline Availability
<u>PKW-39C</u>	Paul K. Wetherbee		1/15/2020	Power Cost Summary by Resource
<u>PKW-40C</u>	Paul K. Wetherbee		1/15/2020	Market Energy Prices
<u>PKW-41C</u>	Paul K. Wetherbee		1/15/2020	Power Costs Not in Aurora
<u>PKW-42C</u>	Paul K. Wetherbee		1/15/2020	Description of Short-term Request for Proposals Process
<u>PKW-43C</u>	Paul K. Wetherbee		1/15/2020	Aurora Costs and Energy Outputs
<u>PKW-44C</u>	Paul K. Wetherbee		1/15/2020	Skookumchuck Wind Balancing Costs
<u>PKW-45C</u>	Paul K. Wetherbee		1/15/2020	Day-ahead Wind Integration Costs
<u>PKW-46C</u>	Paul K. Wetherbee		1/15/2020	Colstrip Fixed Fuel Costs
<u>PKW-47C</u>	Paul K. Wetherbee		1/15/2020	Mid-Columbia Contracts Costs
<u>PKW-48C</u>	Paul K. Wetherbee		1/15/2020	Bonneville Power Administration Transmission Costs
<u>PKW-49C</u>	Paul K. Wetherbee		1/15/2020	Gas Mark-to-Model and Open Transport Value
<u>PKW-50C</u>	Paul K. Wetherbee		1/15/2020	Fixed Gas for Power Transportation Costs
<u>PKW-51C</u>	Paul K. Wetherbee		1/15/2020	Distillate Fuel Incremental Costs

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<u>PKW-52C</u>	Paul K. Wetherbee		1/15/2020	Adjustment for Non-Fuel Cost Included in Peaker Start Costs
<u>PKW-53C</u>	Paul K. Wetherbee		1/15/2020	Winter Peak Planning Incremental Costs
<u>PKW-54</u>	Paul K. Wetherbee		1/15/2020	FERC 557 Other Power Costs
<u>PKW-55C</u>	Paul K. Wetherbee		1/15/2020	Summary of Power Costs with Full Update
RONALD J. ROBERTS, Director of Generation and Natural Gas Storage, PSE				
<u>RJR-1T</u>	Ronald J. Roberts		6/20/2019	Prefiled Direct Testimony
<u>RJR-2</u>	Ronald J. Roberts		6/20/2019	Professional Qualifications
<u>RJR-3C</u>	Ronald J. Roberts		6/20/2019	Details Regarding the Colstrip Steam Electric Station
<u>RJR-4</u>	Ronald J. Roberts		6/20/2019	Press Release of Talen Montana Announcing the Early Retirement of Colstrip Units 1 & 2
<u>RJR-5</u>	Ronald J. Roberts		6/20/2019	Press Release of PSE Regarding the Early Retirement of Colstrip Units 1 & 2
<u>RJR-6</u>	Ronald J. Roberts		6/20/2019	Colstrip Steam Electric Station PSE Capital Expenditures Over \$100,000 (October 1, 2016 - December 31, 2018)
<u>RJR-7</u>	Ronald J. Roberts		6/20/2019	Summary of Rate Year Production O&M Costs

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
<u>RJR-8</u>	Ronald J. Roberts		6/20/2019	Summary of the Adjustments to Test Year Expenses in Calculating the Rate Year Production O&M Expenses
<u>RJR-9C</u>	Ronald J. Roberts		6/20/2019	Summary of Colstrip Overhaul Events Included in the Rate Year
<u>RJR-10C</u>	Ronald J. Roberts		6/20/2019	Amortization of Major Maintenance Associated with PSE's Owned and Jointly-Owned Simple and Combined Cycle Combustion Turbine Facilities Included in the Rate Year
<u>RJR-11C</u>	Ronald J. Roberts		6/20/2019	Comparison of Amortization of Major Maintenance Associated with PSE's Owned and Jointly-Owned Simple and Combined Cycle Combustion Turbine Facilities Included in this Proceeding to Amortization of Major Maintenance Associated with PSE's Owned and Jointly-Owned Simple and Combined Cycle Combustion Turbine Facilities Included in the 2017 GRC
<u>RJR-12</u>	Ronald J. Roberts		6/20/2019	Comparison of Hydro O&M Costs Included in this Proceeding to Hydro O&M Costs Included in the 2017 GRC

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<u>RJR-13</u>	Ronald J. Roberts		6/20/2019	Comparison of Wind Production O&M Costs Included in this Proceeding to Wind Production O&M Costs Included in the 2017 GRC
<u>RJR-14T</u>	Ronald J. Roberts		1/15/2020	Prefiled Rebuttal Testimony
<u>RJR-15 (HC)</u>	Ronald J. Roberts		1/15/2020	Coal Supply Agreement (December 5, 2019)
<u>RJR-16</u>	Ronald J. Roberts		1/15/2020	Updated Production O&M Costs
WILLIAM T. EINSTEIN, Director of Product Development and Growth, PSE				
<u>WTE-1CT</u>	William T. Einstein		6/20/2019	Prefiled Direct Testimony
<u>WTE-2</u>	William T. Einstein		6/20/2019	Professional Qualifications
<u>WTE-3C</u>	William T. Einstein		6/20/2019	Skookumchuck Wind Energy Project, LLC PPA
<u>WTE-4C</u>	William T. Einstein		6/20/2019	Lund Hill Solar Project, LLC PPA
<u>WTE-5</u>	William T. Einstein		6/20/2019	Exhibit A to 2017 RFP for Renewable Energy
<u>WTE-6HC</u>	William T. Einstein		6/20/2019	Green Direct First Open Season RFI Results
<u>WTE-7HC</u>	William T. Einstein		6/20/2019	Green Direct Second Open Season RFP Results
<u>WTE-8T</u>	William T. Einstein		9/17/2019	Prefiled Supplemental Direct Testimony
<u>WTE-9T</u>				Prefiled Rebuttal Testimony

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THOMAS M. HUNT, Director of Compensation and Benefits, PSE				
<u>TMH-1T</u>	Thomas M. Hunt		6/20/2019	Prefiled Direct Testimony
<u>TMH-2</u>	Thomas M. Hunt		6/20/2019	Professional Qualifications
<u>TMH-3C</u>	Thomas M. Hunt		6/20/2019	Merit Increase Trends
<u>TMH-4</u>	Thomas M. Hunt		6/20/2019	Excerpts from Executive Compensation Portion of Form 10-K
<u>TMH-5C</u>	Thomas M. Hunt		6/20/2019	Health Benefit Plans History
<u>TMH-6</u>	Thomas M. Hunt		6/20/2019	Pension Assets and Pension Benefit Obligations
<u>TMH-7</u>	Thomas M. Hunt		6/20/2019	2018 Goals and Incentives Plan
<u>TMH-8T</u>	Thomas M. Hunt		1/15/2020	Prefiled Rebuttal Testimony
<u>TMH-9</u>	Thomas M. Hunt		1/15/2020	Public Counsel Response to PSE Data Request No. 002
MATTHEW R. MARCELIA, Director of Tax and Finance IT Projects, PSE				
<u>MRM-1T</u>	Matthew R. Marcelia		6/20/2019	Prefiled Direct Testimony
<u>MRM-2</u>	Matthew R. Marcelia		6/20/2019	Professional Qualifications
<u>MRM-3</u>	Matthew R. Marcelia		6/20/2019	I.R.S. Private Letter Ruling 8920025
<u>MRM-4</u>	Matthew R. Marcelia		6/20/2019	I.R.S. Private Letter Ruling 200824001
<u>MRM-5</u>	Matthew R. Marcelia		6/20/2019	I.R.S. Private Letter Ruling 201820010

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<u>MRM-6</u>	Matthew R. Marcellia		6/20/2019	Normalization Provisions in the Tax Cuts and Jobs Act
<u>MRM-7</u>	Matthew R. Marcellia		6/20/2019	PricewaterhouseCoopers Comments on PSE's ARAM and Normalization Treatment
<u>MRM-8</u>	Matthew R. Marcellia		6/20/2019	2014.08.14 Vision Document Budget Project Whitepaper
<u>MRM-9</u>	Matthew R. Marcellia		6/20/2019	FTIP Reset Slides
<u>MRM-10</u>	Matthew R. Marcellia		6/20/2019	FTIP2 CSA Design Phase Close
<u>MRM-11T</u>	Matthew R. Marcellia		1/15/2020	Prefiled Rebuttal testimony
<u>MRM-12</u>	Matthew R. Marcellia		1/15/2020	IRS Private Letter Ruling 200632017
JON A. PILIARIS, Director, Regulatory Affairs, PSE				
<u>JAP-1T</u>	Jon A. Piliaris		6/20/2019	Prefiled Direct Testimony
<u>JAP-2</u>	Jon A. Piliaris		6/20/2019	Professional Qualifications
<u>JAP-3</u>	Jon A. Piliaris		6/20/2019	Normalized Test Year Revenue from Electric Operations
<u>JAP-4</u>	Jon A. Piliaris		6/20/2019	Normalized Test Year Revenue from Natural Gas Operations
<u>JAP-5</u>	Jon A. Piliaris		6/20/2019	Electric Lighting Rate Design
<u>JAP-6</u>	Jon A. Piliaris		6/20/2019	Electric Rate Design Proposal

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<u>JAP-7</u>	Jon A. Piliaris		6/20/2019	Proposed Electric Tariff Schedule Revisions
<u>JAP-8</u>	Jon A. Piliaris		6/20/2019	Sample Calculation of Conjunctive Billed Demand
<u>JAP-9</u>	Jon A. Piliaris		6/20/2019	Derivation of Demand Rates under Conjunctive Demand Billing
<u>JAP-10</u>	Jon A. Piliaris		6/20/2019	Conjunctive Demand Service Option Tariff Schedule
<u>JAP-11</u>	Jon A. Piliaris		6/20/2019	Electric Delivery Decoupling Mechanism Calculations
<u>JAP-12</u>	Jon A. Piliaris		6/20/2019	Electric Fixed Production Decoupling Mechanism Calculations
<u>JAP-13</u>	Jon A. Piliaris		6/20/2019	Gas Decoupling Mechanism Calculations
<u>JAP-14</u>	Jon A. Piliaris		6/20/2019	Estimated Electric Bill Impacts from Proposed Base and Rider Rates
<u>JAP-15</u>	Jon A. Piliaris		6/20/2019	Estimated Gas Bill Impacts from Proposed Base and Rider Rates
<u>JAP-16</u>	Jon A. Piliaris		6/20/2019	Projected Electric Rate Year Revenue for Attrition Analysis
<u>JAP-17</u>	Jon A. Piliaris		6/20/2019	Projected Gas Rate Year Revenue for Attrition Analysis
<u>JAP-18T</u>	Jon A. Piliaris		1/15/2020	Prefiled Rebuttal Testimony

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<u>JAP-19</u>	Jon A. Piliaris		1/15/2020	Normalized Test Year Revenue from Natural Gas Operations
<u>JAP-20</u>	Jon A. Piliaris		1/15/2020	2019 PAYS® Status Update
SUSAN E. FREE, Manager of Revenue Requirement, PSE				
<u>SEF-1T</u>	Susan E. Free		6/20/2019	Prefiled Direct Testimony
<u>SEF-2</u>	Susan E. Free		6/20/2019	Professional Qualifications
<u>SEF-3</u>	Susan E. Free		6/20/2019	Electric and Natural Gas Revenue Net Revenue Change Request
<u>SEF-4</u>	Susan E. Free		6/20/2019	Electric and Natural Gas Summary Pages, Detailed Summaries
<u>SEF-5</u>	Susan E. Free		6/20/2019	Electric and Natural Gas Test Year Rate Base, Working Capital, Allocation Methods and Cost of Capital
<u>SEF-6</u>	Susan E. Free		6/20/2019	Revenue Requirement Restating and Proforma Adjustments-Common to Electric and Natural Gas
<u>SEF-7</u>	Susan E. Free		6/20/2019	Revenue Requirement Restating and Proforma Adjustments-Electric Only
<u>SEF-8</u>	Susan E. Free		6/20/2019	Revenue Requirement Restating and Proforma Adjustments-Natural Gas Only
<u>SEF-9</u>	Susan E. Free		6/20/2019	Determination of Attrition Basis Amounts for Electric and Natural Gas

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<u>SEF-10</u>	Susan E. Free		6/20/2019	Five Year Cost per Customer
<u>SEF-11</u>	Susan E. Free		6/20/2019	Exhibit A-1 Power Cost and Fixed Production Cost Baseline Rate
<u>SEF-12T</u>	Susan E. Free		9/17/2019	Prefiled Supplemental Direct Testimony
<u>SEF-13</u>	Susan E. Free		9/17/2019	Updated Professional Qualifications
<u>SEF-14</u>	Susan E. Free		9/17/2019	Electric Net Revenue Change Requested-Supplemental Filing (updating SEF-3E)
<u>SEF-15</u>	Susan E. Free		9/17/2019	Electric Summary Pages and Detailed Summaries-Supplemental Filing (updating SEF-4E)
<u>SEF-16</u>	Susan E. Free		9/17/2019	Electric Restating and Pro forma Adjustments-Supplemental Filing(updatinfg SEF-6E)
<u>SEF-17T</u>	Susan E. Free		1/15/2020	Prefiled Rebuttal Testimony
<u>SEF-18</u>	Susan E. Free		1/15/2020	Electric and Natural Gas Revenue Net Revenue Change Requested
<u>SEF-19</u>	Susan E. Free		1/15/2020	Electric and Natural Gas Summary Pages, Detailed Summaries
<u>SEF-20</u>	Susan E. Free		1/15/2020	Revenue Requirement Restating and Pro forma Adjustments – Common to Electric and Natural Gas

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<u>SEF-21</u>	Susan E. Free		1/15/2020	Revenue Requirement Restating and Pro forma Adjustments – Electric Only
<u>SEF-22</u>	Susan E. Free		1/15/2020	Determination of Attrition Basis Amounts for Electric and Natural Gas
<u>SEF-23</u>	Susan E. Free		1/15/2020	Exhibit A-1 – Power Cost and Fixed Production Cost Baseline Rate
<u>SEF-24</u>	Susan E. Free		1/15/2020	Comparison of Parties Recommended Electric Net Revenue Change Requested
<u>SEF-25</u>	Susan E. Free		1/15/2020	Comparison of Parties Recommended Natural Gas Net Revenue Change Requested
<u>SEF-26</u>	Susan E. Free		1/15/2020	Regulatory Assets and Liabilities
<u>SEF-27</u>	Susan E. Free		1/15/2020	Trend in Average Lives of Intangible Plant Category
<u>SEF-28</u>	Susan E. Free		1/15/2020	Excerpts from Historical Approved Schedule 95A Tariff Pages
<u>SEF-29</u>	Susan E. Free		1/15/2020	Corrections to Amounts Calculated by AWEC for Colstrip Units 1 and 2
<u>SEF-30</u>	Susan E. Free		1/15/2020	Colstrip Annual Report filed November 27, 2019

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<u>SEF-31</u>	Susan E. Free		1/15/2020	Example of Proposed Reporting of Green Direct Variable Power Costs when PPA Generation Exceeds Program Usage
<u>SEF-32</u>	Susan E. Free		1/15/2020	Example of Proposed Reporting of Green Direct Variable Power Costs when Program Usage Exceeds PPA Generation
STEPHEN J. KING, Director, Controller and Principal Accounting Officer, PSE				
<u>SJK-1T</u>	Stephen J. King		6/20/2019	Prefiled Direct Testimony
<u>SJK-2</u>	Stephen J. King		6/20/2019	Professional Qualifications
<u>SJK-3</u>	Stephen J. King		6/20/2019	Allocated Results of Operations
<u>SJK-4</u>	Stephen J. King		6/20/2019	Balance Sheet
<u>SJK-5</u>	Stephen J. King		6/20/2019	Revised 2018 Affiliated Interest and Subsidiary Transaction Report filed with the Commission on May 7, 2019
RONALD J. AMEN, Director, Black and Veatch Management Consulting LLC				
<u>RJA-1T</u>	Ronald J. Amen		6/20/2019	Prefiled Direct Testimony
<u>RJA-2</u>	Ronald J. Amen		6/20/2019	Professional Qualifications
<u>RJA-3</u>	Ronald J. Amen		6/20/2019	Electric Attrition Study
<u>RJA-4</u>	Ronald J. Amen		6/20/2019	Gas Attrition Study
<u>RJA-5</u>	Ronald J. Amen		6/20/2019	Gas Capacity Resource Allocation

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<u>RJA-6T</u>	Ronald J. Amen		1/15/2020	Prefiled Rebuttal Testimony
<u>RJA-7</u>	Ronald J. Amen		1/15/2020	Exponential Growth in Rate Base
<u>RJA-8</u>	Ronald J. Amen		1/15/2020	Electric Attrition
<u>RJA-9</u>	Ronald J. Amen		1/15/2020	Gas Attrition
<u>RJA-10</u>	Ronald J. Amen		1/15/2020	Response to WUTC Staff Data Request No. 006
JOHN D. TAYLOR, Principal Consultant, Black and Veatch Management Consulting LLC				
<u>JDT-1T</u>	John D. Taylor		6/20/2019	Prefiled Direct Testimony
<u>JDT-2</u>	John D. Taylor		6/20/2019	Professional Qualifications
<u>JDT-3</u>	John D. Taylor		6/20/2019	Summary of COSS Results
<u>JDT-4</u>	John D. Taylor		6/20/2019	Account Detail by Classification and Rate Class
<u>JDT-5</u>	John D. Taylor		6/20/2019	Account Inputs and Allocation Choices
<u>JDT-6</u>	John D. Taylor		6/20/2019	External Allocation Factors
<u>JDT-7</u>	John D. Taylor		6/20/2019	Rate Apportionment, Proposed Rates, and Revenue Proofs
<u>JDT-8</u>	John D. Taylor		6/20/2019	Demand and Procurement Charge Support
<u>JDT-9T</u>	John D. Taylor		1/15/2020	Prefiled Rebuttal Testimony
<u>JDT-10</u>	John D. Taylor		1/15/2020	Summary of COSS results

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
<u>JDT-11</u>	John D. Taylor		1/15/2020	Account Detail by Classification and Rate Class
<u>JDT-12</u>	John D. Taylor		1/15/2020	Account Inputs and Allocation Choices
<u>JDT-13</u>	John D. Taylor		1/15/2020	External Allocation Factors
<u>JDT-14</u>	John D. Taylor		1/15/2020	Rate Apportionment, Proposed Rates, and Revenue Proofs
<u>JDT-15</u>	John D. Taylor		1/15/2020	Demand and Procurement Charge Support
<u>JDT-16</u>	John D. Taylor		1/15/2020	Detailed Customer Related Costs from COSS Model
LORIN I. MOLANDER, Manager, Loan Forecasting and Analysis, PSE				
<u>LIM-1T</u>	Lorin I. Molander		6/20/2019	Prefiled Direct Testimony
<u>LIM-2</u>	Lorin I. Molander		6/20/2019	Professional Qualifications
<u>LIM-3T</u>	Lorin I. Molander		1/15/2020	Prefiled Rebuttal Testimony
BIRUD D. JHAVERI, Manager of Pricing and Cost of Service, PSE				
<u>BDJ-1T</u>	Birud D. Jhaveri		6/20/2019	Prefiled Direct Testimony
<u>BDJ-2</u>	Birud D. Jhaveri		6/20/2019	Professional Qualifications
<u>BDJ-3C</u>	Birud D. Jhaveri		6/20/2019	Peak Credit Analysis
<u>BDJ-4</u>	Birud D. Jhaveri		6/20/2019	Electric Cost of Service
<u>BDJ-5T</u>	Birud D. Jhaveri		1/15/2020	Prefiled Rebuttal Testimony
<u>BDJ-6</u>	Birud D. Jhaveri		1/15/2020	Results from Cost of Service Study Scenarios

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JOHN J. SPANOS, President of Gannett Fleming Valuation and Rate Consultants, LLC				
<u>JJS-1T</u>	John J. Spanos		6/20/2019	Prefiled Direct Testimony
<u>JJS-2</u>	John J. Spanos		6/20/2019	Professional Qualifications
<u>JJS-3</u>	John J. Spanos		6/20/2019	2018 Depreciation Study
<u>JJS-4T</u>	John J. Spanos		1/15/2020	Prefiled Rebuttal Testimony
<u>JJS-5</u>	John J. Spanos		1/15/2020	Public Counsel Response to PSE Data Request No. 018
CHUN K. CHANG, Retired Regulatory Consultant in Pricing and Cost of Service, PSE				
<u>CKC-1T</u>	Chun K. Chang		6/20/2019	Prefiled Direct Testimony
<u>CKC-2</u>	Chun K. Chang		6/20/2019	Professional Qualifications
<u>CKC-3</u>	Chun K. Chang		6/20/2019	2018 Load Research Report
JOSHUA A. KENSOK, Director FP&A and Budgeting of PSE				
<u>JAK-1T</u>	Joshua A. Kensok		1/15/2020	Prefiled Rebuttal Testimony
<u>JAK-2</u>	Joshua A. Kensok		1/15/2020	Professional Qualifications
<u>JAK-3</u>	Joshua A. Kensok		1/15/2020	2019 GRC Rate Year Operating Income
<u>JAK-4</u>	Joshua A. Kensok		1/15/2020	2019-2020 Capital Expenditures and Plant Additions
<u>JAK-5</u>	Joshua A. Kensok		1/15/2020	2014-2018 Actuals vs. Forecast Operations Expenditures, Capital Expenditures and LNG Project

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KARL R. RÁBAGO, Principal and sole employee of Rábago Energy LLC				
<u>KRR-1T</u>	Karl R. Rábago		1/15/2020	Prefiled Rebuttal Testimony
<u>KRR-2</u>	Karl R. Rábago		1/15/2020	Professional Qualifications
<u>KRR-3</u>	Karl R. Rábago		1/15/2020	PSE Planned Spending