

EXHIBIT LIST  
PSE 2017 GRC  
Dockets UE-170033 and UG-170034

NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
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<b>BENCH EXHIBITS</b>
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BR-1	Public Counsel			<p><b>A. Supporting Workpapers (WP-1 and WP-2) for Exhibits RCS-3 and RCS-4</b></p> <p><b>B. Public Counsel's Proposed Adjustments; RCS-3 Supplemental and RCS-4r Supplemental</b></p> <p><b>C. Adjustment Reconciliation to JAP-44</b></p>
BR-2	PSE			<p><b>A. Summary of FERC Account 928 for 2009</b></p> <p><b>B. Supporting Workpapers for Company Adjustments 13.12 and 11.12</b></p>
BR-3	Staff			<p><b>Exhibits in Native Format:</b></p> <p><b>BAE-2</b></p> <p><b>BAE-3</b></p> <p><b>BAE-4 (Attachment A)</b></p> <p><b>BAE-5 (Attachment A)</b></p>

<b>PSE WITNESSES</b>
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<b>Roque Bamba, Manager, Major Projects, PSE</b>				
RB-1T	Roque Bamba			<b>Prefiled Direct Testimony of Roque Bamba (15 pages) (1/13/17)</b>
RB-2	Roque Bamba			<b>Professional Qualifications of Roque Bamba</b>
RB-3	Roque Bamba			<b>Photos of Geologic Conditions</b>

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<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Katherine J. Barnard, Director, Revenue Requirements and Regulatory Compliance, PSE</b>				
<b>KJB-1T</b>	<b>Katherine J. Barnard</b>			<b>Prefiled Direct Testimony of Katherine J. Barnard (85 pages) (1/13/17)</b>
<b>KJB-2</b>	<b>Katherine J. Barnard</b>			<b>Professional Qualifications of Katherine J. Barnard</b>
<b>KJB-3</b>	<b>Katherine J. Barnard</b>			<b>Electric General Rate Increase - Original</b>
<b>KJB-4</b>	<b>Katherine J. Barnard</b>			<b>Summary of All Electric Adjustments - Original</b>
<b>KJB-5</b>	<b>Katherine J. Barnard</b>			<b>Regulatory Statements of Test Year Actual Results of Operations</b>
<b>KJB-6</b>	<b>Katherine J. Barnard</b>			<b>Individual Common Electric Adjustments – Original</b>
<b>KJB-7</b>	<b>Katherine J. Barnard</b>			<b>Individual Electric Only Adjustments - Original</b>
<b>KJB-8</b>	<b>Katherine J. Barnard</b>			<b>Power Cost Baseline Rate - Original</b>
<b>KJB-9</b>	<b>Katherine J. Barnard</b>			<b>Electric CRM Revenue Requirement Model - Original</b>
<b>KJB-10T</b>	<b>Katherine J. Barnard</b>			<b>Prefiled Supplemental Testimony of Katherine J. Barnard (13 pages) (4/3/17)</b>
<b>KJB-11</b>	<b>Katherine J. Barnard</b>			<b>Electric General Rate Increase - Supplemental</b>
<b>KJB-12</b>	<b>Katherine J. Barnard</b>			<b>Summary of All Electric Adjustments - Supplemental</b>
<b>KJB-13</b>	<b>Katherine J. Barnard</b>			<b>Individual Common Electric Adjustments – Supplemental</b>
<b>KJB-14</b>	<b>Katherine J. Barnard</b>			<b>Individual Electric Only Adjustments – Supplemental</b>
<b>KJB-15</b>	<b>Katherine J. Barnard</b>			<b>Power Cost Baseline Rate - Supplemental</b>
<b>KJB-16</b>	<b>Katherine J. Barnard</b>			<b>Revenue Deficiency</b>

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				<b>Calculation; Power Cost Baseline Rate Without Microsoft - Supplemental</b>
<b>KJB-17T</b>	<b>Katherine J. Barnard</b>			<b>Prefiled Rebuttal Testimony of Katherine J. Barnard (105 pages) (8/9/17)</b>
<b>KJB-18</b>	<b>Katherine J. Barnard</b>			<b>Electric General Rate Increase - Rebuttal</b>
<b>KJB-19</b>	<b>Katherine J. Barnard</b>			<b>Summary of All Electric Adjustments - Rebuttal</b>
<b>KJB-20</b>	<b>Katherine J. Barnard</b>			<b>Individual Common Electric Adjustments - Rebuttal</b>
<b>KJB-21</b>	<b>Katherine J. Barnard</b>			<b>Individual Electric Only Adjustments - Rebuttal</b>
<b>KJB-22</b>	<b>Katherine J. Barnard</b>			<b>Power Cost Baseline Rate and Revenue Deficiency and Baseline Rate without Microsoft - Rebuttal</b>
<b>KJB-23</b>	<b>Katherine J. Barnard</b>			<b>Comparison of the Electric Revenue Deficiencies by Adjustment Currently Filed by the Company and Opposing Parties</b>
<b>KJB-24</b>	<b>Katherine J. Barnard</b>			<b>Excerpts from Staff's Response to PSE DR 27 – Impact on Staff's Electric Revenue Requirement for Various Corrections</b>
<b>KJB-25</b>	<b>Katherine J. Barnard</b>			<b>Staff's Response to PSE DR 17 – differences between PSE and Staff Related to Depreciation for Colstrip Units 3 and 4</b>
<b>KJB-26</b>	<b>Katherine J. Barnard</b>			<b>Electric Depreciation Study Adjustment KJB-20 with Colstrip Units 3 and 4 at Varying Probable Retirement Years</b>
<b>KJB-27</b>	<b>Katherine J. Barnard</b>			<b>Excerpts from Public Counsel's Response to PSE DR 12</b>
<b>KJB-28</b>	<b>Katherine J. Barnard</b>			<b>Demonstration of Alleged Errors in Public Counsel's</b>

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				<b>Depreciation Study Adjustments</b>
<b>KJB-29C</b>	<b>Katherine J. Barnard</b>			<b>PSE's Response to ICNU DR 58</b>
<b>KJB-30</b>	<b>Katherine J. Barnard</b>			<b>PSE's Response to Staff DR 134</b>
<b>KJB-31</b>	<b>Katherine J. Barnard</b>			<b>Staff's Response to PSE DR 2</b>
<b>KJB-32</b>	<b>Katherine J. Barnard</b>			<b>Staff's Response to PSE DR 9</b>
<b>KJB-33</b>	<b>Katherine J. Barnard</b>			<b>Comparison of PSE's and Staff's 6 Year Average Normal Storm Proposals</b>
<b>KJB-34</b>	<b>Katherine J. Barnard</b>			<b>Work Paper filed by Staff Supporting Exhibit TES-2</b>
<b>KJB-35</b>	<b>Katherine J. Barnard</b>			<b>Impacts on Earnings Sharing for Staff's Proposal on Storm</b>
<b>KJB-36</b>	<b>Katherine J. Barnard</b>			<b>Staff's Response to Public Counsel DRs 2, 4, 6, and 7</b>
<b>KJB-37</b>	<b>Katherine J. Barnard</b>			<b>Extract from Attachment A to PSE's Response to Public Counsel DR 72 Showing Regulatory Lag Associated with the Electric Reliability Plan Absent an Electric Cost Recovery Mechanism</b>
<b>KJB-38</b>	<b>Katherine J. Barnard</b>			<b>Update to Electric Cost Recovery Mechanism Revenue Requirements</b>
<b>KJB-39</b>	<b>Katherine J. Barnard</b>			<b>ICNU's Response to PSE's Response to PSE DR 6</b>
<b>KJB-40</b>	<b>Katherine J. Barnard</b>			<b>Recalculation of Exhibit BGM-6 for a Correction to the Calculation of Carrying Charges</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Chun K. Chang, Regulatory Consultant in Pricing and Cost of Service, PSE</b>				
<b>CKC-1T</b>	<b>Chun K. Chang</b>			<b>Prefiled Direct Testimony of Dr. Chun K. Chang (15 pages) (1/13/17)</b>
<b>CKC-2</b>	<b>Chun K. Chang</b>			<b>Professional Qualifications of</b>

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				<b>Dr. Chun K. Chang</b>
<b>CKC-3T</b>	<b>Chun K. Chang</b>			<b>Prefiled Rebuttal Testimony of Dr. Chun K. Chang (22 pages) (8/9/17)</b>
<b>CKC-4</b>	<b>Chun K. Chang</b>			<b>PSE's Responses to Staff DRs 6, 9, 11, and 46</b>
<b>CKC-5</b>	<b>Chun K. Chang</b>			<b>PSE's Rate Schedule Model Specifications and Statistical Test Results</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>CKC-__</b>	<b>ICNU</b>			<b>PSE Response to ICNU Data Request No. 155 (1 page)</b>
<b>Daniel A. Doyle, Senior Vice President and Chief Financial Officer of PSE</b>				
<b>DAD-1T</b>	<b>Daniel A. Doyle</b>			<b>Prefiled Direct Testimony of Daniel A. Doyle (49 pages) (1/13/17)</b>
<b>DAD-2</b>	<b>Daniel A. Doyle</b>			<b>Professional Qualifications of Daniel A. Doyle</b>
<b>DAD-3</b>	<b>Daniel A. Doyle</b>			<b>Summary Decoupling and Rate Plan Analysis, 2013-2016</b>
<b>DAD-4</b>	<b>Daniel A. Doyle</b>			<b>Comparison of Earnings Sharing Level and Opportunity to Earn Authorized Return on Equity</b>
<b>DAD-5</b>	<b>Daniel A. Doyle</b>			<b>Summary of Rate Cases Decided Between 10/1/15 and 9/30/16</b>
<b>DAD-6</b>	<b>Daniel A. Doyle</b>			<b>Equity Ratio from Rate Cases Decided Between 10/1/15 and 9/30/16, Sorted by S&amp;P Credit Rating</b>
<b>DAD-7T</b>	<b>Daniel A. Doyle</b>			<b>Prefiled 7Rebuttal Testimony of Daniel A. Doyle (64 pages) (8/9/17)</b>
<b>DAD-8</b>	<b>Daniel A. Doyle</b>			<b>Range of States with Decoupling Policies for Electric and Gas Industries</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				

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<b>William T. Einstein, Director of Product Development and Growth</b>				
<b>WTE-1T</b>	<b>William T. Einstein</b>			<b>Prefiled Rebuttal Testimony of William T. Einstein (10 pages) (8/9/17)</b>
<b>WTE-2</b>	<b>William T. Einstein</b>			<b>Professional Qualifications of William T. Einstein</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Susan E. Free, Manager of Revenue Requirement, PSE</b>				
<b>SEF-1T</b>	<b>Susan E. Free</b>			<b>Prefiled Direct Testimony of Susan E. Free (34 pages) (1/13/17)</b>
<b>SEF-2</b>	<b>Susan E. Free</b>			<b>Professional Qualifications of Susan E. Free</b>
<b>SEF-3</b>	<b>Susan E. Free</b>			<b>Gas General Rate Increase - Original</b>
<b>SEF-4</b>	<b>Susan E. Free</b>			<b>Summary of All Gas Adjustments - Original</b>
<b>SEF-5</b>	<b>Susan E. Free</b>			<b>Regulatory Statements of Test Year Actual Results of Operations</b>
<b>SEF-6</b>	<b>Susan E. Free</b>			<b>Individual Common Gas Adjustments – Original</b>
<b>SEF-7</b>	<b>Susan E. Free</b>			<b>Individual Gas Only Adjustment – Original</b>
<b>SEF-8T</b>	<b>Susan E. Free</b>			<b>Prefiled Supplemental Testimony of Susan E. Free (8 pages) (4/3/17)</b>
<b>SEF-9</b>	<b>Susan E. Free</b>			<b>Gas General Rate Increase - Supplemental</b>
<b>SEF-10</b>	<b>Susan E. Free</b>			<b>Summary of All Gas Adjustments - Supplemental</b>
<b>SEF-11</b>	<b>Susan E. Free</b>			<b>Individual Common Gas Adjustments – Supplemental</b>
<b>SEF-12T</b>	<b>Susan E. Free</b>			<b>Prefiled Rebuttal Testimony of Susan E. Free (59 pages)</b>

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				(8/9/17)
SEF-13	Susan E. Free			Gas General Rate Increase - Rebuttal
SEF-14	Susan E. Free			Summary of All Gas Adjustments - Rebuttal
SEF-15	Susan E. Free			Individual Common Gas Adjustments - Rebuttal
SEF-16	Susan E. Free			Individual Gas Only Adjustment - Rebuttal
SEF-17	Susan E. Free			Comparison of the Gas Revenue Deficiencies by Adjustment Currently Filed by PSE and Opposing Parties
SEF-18	Susan E. Free			Excerpts from Staff's Response to PSE DR 27 – Impact on Staff's Natural Gas Revenue Requirement for Various Corrections
SEF-19	Susan E. Free			Excerpts from Staff's Response to PSE DR 28 – Impact on Commission Staff's Working Capital Calculation for Various Corrections
SEF-20	Susan E. Free			Comparison of Test Year, Allowed and Total Rate Case Costs Per Proceeding
SEF-21	Susan E. Free			2014 System Entry to Transfer Kent Property from Utility to Non-utility Property at Time of Sale
SEF-22	Susan E. Free			System Entries for Deferred Gain on Property Sales
SEF-23	Susan E. Free			Comparison of PSE's and Staff's methods for Allocating Unassigned Recoveries to Specific Sites for Environmental Remediation
SEF-24	Susan E. Free			Determination of PSE's Electric Environmental Remediation Adjustment Utilizing the Low Range of Future Cost Estimates

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<b>SEF-25</b>	<b>Susan E. Free</b>			<b>Determination of PSE's Gas Environmental Remediation Adjustment Utilizing the Low Range of Future Cost Estimates</b>
<b>SEF-26</b>	<b>Susan E. Free</b>			<b>Attachment A to PSE's First Supplemental Response to Staff DR 269</b>
<b>SEF-27</b>	<b>Susan E. Free</b>			<b>Transmittal Letter and Report for WNG's September 30, 1994 Environmental Remediation Quarterly Report filed December 23, 1994</b>
<b>SEF-28</b>	<b>Susan E. Free</b>			<b>Calculation of Working Capital – Summary</b>
<b>SEF-29</b>	<b>Susan E. Free</b>			<b>Calculation of Working Capital – Detail</b>
<b>SEF-30</b>	<b>Susan E. Free</b>			<b>Staff's Response to PSE DR 11</b>
<b>SEF-31</b>	<b>Susan E. Free</b>			<b>Staff's Response to PSE DRs 8 and 14 and a Presentation of How to Adjust for Working Capital Outside of the Working Capital Exhibit</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Booga K. Gilbertson, Senior Vice President, Operations, PSE</b>				
<b>BKG-1T</b>	<b>Booga K. Gilbertson</b>			<b>Prefiled Direct Testimony of Booga K. Gilbertson (38 pages) (1/13/17)</b>
<b>BKG-2</b>	<b>Booga K. Gilbertson</b>			<b>Professional Qualifications of Booga K. Gilbertson</b>
<b>BKG-3</b>	<b>Booga K. Gilbertson</b>			<b>Capital Expenditures by Category (1/11-9/16)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Thomas M. Hunt, Director of Compensation and Benefits, PSE</b>				
<b>TMH-1T</b>	<b>Thomas M. Hunt</b>			<b>Prefiled Direct Testimony of</b>



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				Thomas M. Hunt (27 pages) (1/13/17)
TMH-2	Thomas M. Hunt			Professional Qualifications of Thomas M. Hunt
TMH-3C	Thomas M. Hunt			***CONFIDENTIAL*** Historic Merit Average Increases
TMH-4	Thomas M. Hunt			PSE Executive Compensation
TMH-5C	Thomas M. Hunt			***CONFIDENTIAL*** Health Benefit Plans History (2012-2016) Monthly Flex Credits and Medical Plan Costs
TMH-6C	Thomas M. Hunt			***CONFIDENTIAL*** PSE Retirement Plan – Monthly Assets and PBO from 1/2012 to 9/30/16
TMH-7C	Thomas M. Hunt			***CONFIDENTIAL*** Retirement Plan for Employees of Puget Sound Energy Ten Year Deterministic Projection (2016-2025) Baseline: 2016 Preliminary Valuation Results
TMH-8	Thomas M. Hunt			PSE 2016 Goals and Incentive Plan
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Catherine A. Koch, Director, Planning, PSE</b>				
CAK-1CT	Catherine A. Koch			***CONFIDENTIAL*** Confidential Prefiled Direct Testimony of Catherine A. Koch (20 pages) (1/13/17)
CAK-2	Catherine A. Koch			Professional Qualifications of Catherine A. Koch
CAK-3C	Catherine A. Koch			***CONFIDENTIAL***

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2017 and 2018 Electric Reliability Plan				
CAK-4T	Catherine A. Koch			Prefiled Rebuttal Testimony of Catherine A. Koch (43 pages) (8/19/17)
CAK-5	Catherine A. Koch			Ernest Orlando Lawrence Berkeley National Laboratory Updated Value of Service Reliability Estimates for Electric Utility Customers in the United States (Jan. 2015)
CAK-6	Catherine A. Koch			PSE Response to Public Counsel DR 25
CAK-7	Catherine A. Koch			PSE Response to ICNU DR 24
CAK-8	Catherine A. Koch			Ardmore Project Chronology
CROSS-EXAMINATION EXHIBITS				
CAK-___	ICNU			PSE Response to ICNU Data Request No. 142 (1 page)
CAK-___	ICNU			PSE Response to ICNU Data Request No. 143 (1 page)
CAK-___	ICNU			Ardmore Substation Project Change Request Log (6 pages)
CAK-___	ICNU			PSE Project Change Request #8 (5/3/2011) (24 pages)
CAK-___	ICNU			PSE Project Change Request #10 (7/21/2011) (3 pages)
CAK-___	ICNU			PSE Project Change Request #11 (2/4/2014) (1 page)
CAK-___	ICNU			Study to Combine Interlaken Substation with Ardmore Substation (4/6/2010) (37 pages)
CAK-___	ICNU			Ardmore Substation Site Selection Matrix (3 pages)
CAK-___	ICNU			PSE Response to ICNU Data Request No. 148 (1 page)
CAK-___	ICNU			PSE Response to ICNU Data

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				<b>Request No. 150 (1 page)</b>
<b>CAK-__</b>	<b>ICNU</b>			<b>PSE Response to ICNU Data Request No. 156 (1 page)</b>
<b>Brandon J. Lohse, Corporate Treasurer for PSE</b>				
<b>BJL-1T</b>	<b>Brandon H. Lohse</b>			<b>Prefiled Direct Testimony of Brandon H. Lohse (21 pages) (1/13/17)</b>
<b>BJL-2</b>	<b>Brandon H. Lohse</b>			<b>Professional Qualifications of Brandon H. Lohse</b>
<b>BJL-3</b>	<b>Brandon H. Lohse</b>			<b>Utility Capital Structure Cost of Capital and Rate of Return; Utility Capital Structure Calculation; Cost of Short-Term Debt; Commitment Fees; Amortization of Short-Term Debt Issue Costs; Cost of Long Term Debt; Schedule of Annual Charges on Reacquired Debt</b>
<b>BJL-4</b>	<b>Brandon H. Lohse</b>			<b>Utility Capital Structure Proposed Cost of Capital and Rate of Return Requested for Rate Year 2018; Requested Cost of Debt; Short Term Debt Interest and Fees Details; Interest Calculation on \$250M Jr. Subordinated Security; Schedule of Annual Charges on Reacquired Debt</b>
<b>BJL-5</b>	<b>Brandon H. Lohse</b>			<b>Bonds Callable as of 9/30/16</b>
<b>BJL-6</b>	<b>Brandon H. Lohse</b>			<b>S&amp;P Global Ratings Direct Summary for PSE</b>
<b>BJL-7</b>	<b>Brandon H. Lohse</b>			<b>Moody's Investors Service Credit Opinion on PSE, 8/5/16</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Matthew R. Marcellia, Controller and Principal Accounting Officer</b>				
<b>MRM-1T</b>	<b>Matthew R. Marcellia</b>			<b>Prefiled Rebuttal Testimony of Matthew R. Marcellia (39</b>

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				pages) (8/9/17)
MRM-2	Matthew R. Marcellia			Professional Qualifications of Matthew R. Marcellia
MRM-3	Matthew R. Marcellia			Colstrip Units 1 and 2 Historical Depreciation Rates
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>George E. Marshall, Manager, Transmission Policy and Contracts</b>				
GEM-1T	George E. Marshall			Prefiled Rebuttal Testimony of George E. Marshall (18 pages) (8/9/17)
GEM-2	George E. Marshall			Professional Qualifications of George E. Marshall
GEM-3	George E. Marshall			PSE Response to NWEA/RNW/NRDC DR 14
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>David E. Mills, Vice President, Energy Operations for PSE</b>				
DEM-1T	David E. Mills			Prefiled Direct Testimony of David E. Mills (29 pages) (1/13/17, revised 2/3/17)
DEM-2	David E. Mills			Professional Qualifications of David E. Mills
DEM-3	David E. Mills			Benefits Analysis of PSE's Participation in the ISO Energy Imbalance Market
DEM-4T	David E. Mills			Prefiled Rebuttal Testimony of David E. Mills (8 pages) (8/9/17)
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Joel L. Molander, Director, IT Business Partner Engagement, PSE</b>				
JLM-1T	Joel L. Molander			Prefiled Direct Testimony of Joel L. Molander (13 pages) (1/13/17)
JLM-2	Joel L. Molander			Professional Qualifications of

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				<b>Joel L. Molander</b>
<b>JLM-3</b>	<b>Joel L. Molander</b>			<b>South King Complex Strategy Assumptions, Analysis and Opinion Memorandum RE: PSE Strategic Real Estate Options, Prepared by CBRE Brokerage</b>
<b>JLM-4</b>	<b>Joel L. Molander</b>			<b>South King Complex Pro Forma Summary</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Roger A. Morin, Emeritus Professor of Finance at Robinson College of Business, Georgia State University</b>				
<b>RAM-1T</b>	<b>Roger A. Morin</b>			<b>Prefiled Direct Testimony of Dr. Roger A. Morin (58 pages) (1/13/17)</b>
<b>RAM-2</b>	<b>Roger A. Morin</b>			<b>Professional Qualifications of Dr. Roger A. Morin</b>
<b>RAM-3</b>	<b>Roger A. Morin</b>			<b>Investment-Grade Dividend-Paying Combination Gas and Electric Utilities Covered in Value Line's Electric Utility Industry Group</b>
<b>RAM-4</b>	<b>Roger A. Morin</b>			<b>Proxy Group for PSE</b>
<b>RAM-5</b>	<b>Roger A. Morin</b>			<b>Combination Electric and Gas Utilities DCF Analysis Value Line Growth Rates</b>
<b>RAM-6</b>	<b>Roger A. Morin</b>			<b>Combination Electric and Gas Utilities DCF Analysis Analysts' Growth Forecasts</b>
<b>RAM-7</b>	<b>Roger A. Morin</b>			<b>Combination Electric and Gas Utilities Beta Estimates</b>
<b>RAM-8</b>	<b>Roger A. Morin</b>			<b>CAPM, Empirical CAPM</b>
<b>RAM-9</b>	<b>Roger A. Morin</b>			<b>2015 Utility Industry Historical Risk Premium</b>
<b>RAM-10</b>	<b>Roger A. Morin</b>			<b>Equity Risk Premium – Treasury Bond</b>
<b>RAM-11</b>	<b>Roger A. Morin</b>			<b>Proxy Group for PSE</b>

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				<b>Common Equity Ratios</b>
<b>RAM-12T</b>	<b>Roger A. Morin</b>			<b>Prefiled Rebuttal Testimony of Dr. Roger A. Morin (97 pages) (8/9/17)</b>
<b>RAM-13</b>	<b>Roger A. Morin</b>			<b>PSE's Response to Public Counsel DR 333</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Michael Mullally, Manager, Business Initiatives, Strategic Initiatives Department</b>				
<b>MM-1HCT</b>	<b>Michael Mullally</b>			<b>*** HIGHLY CONFIDENTIAL *** Confidential Prefiled Direct Testimony of Michael Mullally (38 pages) (1/13/17)</b>
<b>MM-2</b>	<b>Michael Mullally</b>			<b>Professional Qualifications of Michael Mullally</b>
<b>MM-3</b>	<b>Michael Mullally</b>			<b>RFP City of Buckley Sale of Natural Gas Utility</b>
<b>MM-4C</b>	<b>Michael Mullally</b>			<b>***CONFIDENTIAL*** Buckley Natural Gas System RFP Overview</b>
<b>MM-5</b>	<b>Michael Mullally</b>			<b>June 13, 2013, Letter to City of Buckley from PSE RE: RFPs City of Buckley Sale of Natural Gas Utility</b>
<b>MM-6</b>	<b>Michael Mullally</b>			<b>October 15, 2013, Letter to PSE from GeoEngineers RE: Historic Research to Identify Properties of Potential Environmental Concern in Close Proximity to City of Buckley's Natural Gas Distribution Lines</b>
<b>MM-7</b>	<b>Michael Mullally</b>			<b>Assignment Agreement Between City of Buckley and PSE</b>
<b>MM-8</b>	<b>Michael Mullally</b>			<b>Firm Natural Gas Service Agreement Between City of</b>

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				Enumclaw and PSE, Docket UG-140088
MM-9C	Michael Mullally			***CONFIDENTIAL*** Memorandum RE: Buckley Valuation Method with Appendices (Exhibit revised 1/27/17)
MM-10HC	Michael Mullally			*** HIGHLY CONFIDENTIAL*** Energy Storage EPC Scoring Matrix – Clean Energy Fund Proposal (October 2014)
MM-11	Michael Mullally			PSE IRP Electric Analysis
MM-12C	Michael Mullally			***CONFIDENTIAL*** New Douglas PUD (Wells Project) PPA, EMC Informational 4/16/15 Prepared by Brennan Mueller, Energy Contract Administrator
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Jon A. Piliaris, Manager of Pricing and Cost of Service, PSE</b>				
JAP-1T	Jon A. Piliaris			Prefiled Direct Testimony of Jon A. Piliaris (159 pages) (1/13/17)
JAP-2	Jon A. Piliaris			Professional Qualifications of Jon A. Piliaris
JAP-3	Jon A. Piliaris			Proforma Delivered Sales Electric Rates
JAP-4	Jon A. Piliaris			Gas Adjustments to Volume (Therms) by Rate Schedule
JAP-5C	Jon A. Piliaris			***CONFIDENTIAL*** Peak Credit Method for 2014 Filing, Company Proposal
JAP-6C	Jon A. Piliaris			***CONFIDENTIAL*** Peak Credit Method with

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				Updated Data, Company Proposal
JAP-7	Jon A. Piliaris			Electric Cost of Service Summary
JAP-8	Jon A. Piliaris			2017 Gas Cost of Service Study Proposed Test Year Without Gas
JAP-9	Jon A. Piliaris			2017 Gas Cost of Service Study Proposed Test Year With Gas
JAP-10	Jon A. Piliaris			2017 Gas Account Detail by Classification and Rate Class
JAP-11	Jon A. Piliaris			2017 Gas Cost of Service Study Account Inputs
JAP-12	Jon A. Piliaris			2017 Gas Cost of Service Study External Allocators
JAP-13	Jon A. Piliaris			Allocation of Account 376 Distribution Mains
JAP-14	Jon A. Piliaris			Summary of Gas Cost Allocation Proforma Test Year with Gas
JAP-15	Jon A. Piliaris			PSE Non-Lighting Tariffed Rate Components; Lighting Tariffed Rate Components; Summary Rate Spread; Summary of Proposed Rate Design Present and Proposed Rates; Estimated Effect of Proposed Rate Base Increase on Revenues from Electric Sales; Residential Rate Design; Secondary Voltage Rate Design; Primary Voltage Rate Design; Campus Rate Design; High Voltage Rate Design; Transportation and Wholesale for Resale; Area and Street Lighting Rate Design
JAP-16	Jon A. Piliaris			Proposed Electric Schedules 7, 7B, 24-26, 29, 31, 35, 40, 43, 46, 49, 50-55, 57, 58, 95, 141,



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				<b>142, 149, 448, 449, 458, and 459</b>
<b>JAP-17</b>	<b>Jon A. Piliaris</b>			<b>Survey of Basic Charges of US Electric Utilities</b>
<b>JAP-18</b>	<b>Jon A. Piliaris</b>			<b>Schedule 40 Coincident Factors by Customer</b>
<b>JAP-19</b>	<b>Jon A. Piliaris</b>			<b>GRC Rate Impacts</b>
<b>JAP-20</b>	<b>Jon A. Piliaris</b>			<b>Lighting Schedules, Classification of Lighting Costs</b>
<b>JAP-21</b>	<b>Jon A. Piliaris</b>			<b>Development of Unitized Lighting Costs</b>
<b>JAP-22</b>	<b>Jon A. Piliaris</b>			<b>Summary of Allocated Costs</b>
<b>JAP-23</b>	<b>Jon A. Piliaris</b>			<b>Lighting Revenues Summary Base Rate vs. Proposed 2017 GRC</b>
<b>JAP-24</b>	<b>Jon A. Piliaris</b>			<b>Allocation of Revenue Deficiency to Rate Classes at Existing PGA Allocation</b>
<b>JAP-25</b>	<b>Jon A. Piliaris</b>			<b>Current and Proposed Natural Gas Tariff Rules 21, 23, and 29, Schedules 16, 23, 31, 31T, 41, 41T, 53, 85, 85T, 185T, 86, 86T, 87, 87T, 141, Supplemental Schedule 142</b>
<b>JAP-26</b>	<b>Jon A. Piliaris</b>			<b>Survey of Residential Monthly Minimum Charges of Gas Utilities</b>
<b>JAP-27</b>	<b>Jon A. Piliaris</b>			<b>2017 Gas Cost of Service Study Procurement Charge Calculation Proforma Test Year Without Gas</b>
<b>JAP-28</b>	<b>Jon A. Piliaris</b>			<b>2017 Gas Proposed Rates, Estimated Combined Impact on Total Bills</b>
<b>JAP-29</b>	<b>Jon A. Piliaris</b>			<b>PSE Electric and Natural Gas Evaluation: Three Years of Decoupling; Independent Third-Party Evaluation of PSE's Decoupling Mechanisms, Prepared by H.</b>

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				<b>Gil Peach &amp; Associates, Forefront Economics, Inc., and Joseph Associates, Inc. (12/31/16)</b>
<b>JAP-30</b>	<b>Jon A. Piliaris</b>			<b>Electric Decoupling Mechanism Development of Decoupled Delivery and Power Cost Revenue by Decoupling Group; Development of Allowed Delivery Revenue &amp; Fixed Power Cost Revenue Per Customer; Development of Delivery Revenue &amp; Fixed Power Cost Per Unit Rates; Development of Delivery Revenue Per Unit Rates; Development of Monthly Allowed Delivery Revenue Per Customer; Development of Monthly Allowed Fixed Power Cost Revenue Per Customer; Delivery Revenue Deferral and Amortization Calculations; Fixed Power Cost Deferral and Amortization Calculations</b>
<b>JAP-31</b>	<b>Jon A. Piliaris</b>			<b>Gas Decoupling Mechanism Development of Decoupled Revenue by Decoupling Group; Development of Allowed Delivery Revenue Per Customer; Development of Delivery Revenue Per Unit Rates; Development of Monthly Allowed Delivery Revenue Per Customer; Delivery Revenue Deferral and Amortization Calculations</b>
<b>JAP-32</b>	<b>Jon A. Piliaris</b>			<b>Electric CRM Revenue Requirement Model; Calculation of Schedule 149</b>

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				<b>Electric Rider Rates</b>
<b>JAP-33C</b>	<b>Jon A. Piliaris</b>			<b>***CONFIDENTIAL*** Electric Decoupling Mechanism Development of Decoupled Delivery and Power Cost Revenue by Decoupling Group</b>
<b>JAP-34T</b>	<b>Jon A. Piliaris</b>			<b>Prefiled Supplemental Testimony of Jon A. Piliaris (20 pages) (4/3/17)</b>
<b>JAP-35</b>	<b>Jon A. Piliaris</b>			<b>PSE Response to Staff DR 101</b>
<b>JAP-36</b>	<b>Jon A. Piliaris</b>			<b>PSE Response to Staff DR 6</b>
<b>JAP-37</b>	<b>Jon A. Piliaris</b>			<b>2017 GRC Supplemental – Gas Adjustments to Volume (Therms) by Rate Schedule; Reconciliation of Revenue at Actual Rates by Rate Schedule</b>
<b>JAP-38</b>	<b>Jon A. Piliaris</b>			<b>Calculation of Schedule 95 Rate; Statement of Proforma and Proposed Revenue for Schedule 95</b>
<b>JAP-39</b>	<b>Jon A. Piliaris</b>			<b>Tariffed Rate Components; Summary Rate Spread; Estimated Effect of Proposed Base Rate Increase on Revenues from Electric Sales; Residential Rate Design; Secondary Voltage Rate Design; Primary Voltage Rate Design; Campus Rate Design; High Voltage Rate Design; Transportation and Wholesale for Resale; Area and Street Lighting Rate Design</b>
<b>JAP-40</b>	<b>Jon A. Piliaris</b>			<b>Allocation of Revenue Deficiency to Rate Classes at Existing PGA Allocations; Current and Proposed Rates by Rate Schedule; Rental</b>

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				Schedules 71, 72, and 74
JAP-41	Jon A. Piliaris			Electric Decoupling Mechanism Calculations
JAP-42	Jon A. Piliaris			Gas Decoupling Mechanism Calculations
JAP-43C	Jon A. Piliaris			Electric Decoupling Mechanism Calculations
JAP-44	Jon A. Piliaris			GRC Rate Impacts; Monthly Billing Comparison by Schedule
JAP-45	Jon A. Piliaris			2017 Gas GRC Proposed Rates Estimated Combined Impact on Total Bills; Typical Residential Bill Impacts of Proposed Rate Changes
JAP-46CT	Jon A. Piliaris			***CONFIDENTIAL*** Confidential Prefiled Rebuttal Testimony of Jon A. Piliaris (86 pages) (8/9/17)
JAP-47	Jon A. Piliaris			Decoupling Calculations for Fixed Production Cost (Based on Staff's Proposal)
JAP-48	Jon A. Piliaris			The Energy Project Response to PSE DR 2
JAP-49	Jon A. Piliaris			Joint Motion to Amend Order 03 and Settlement Agreement in Docket UE-141368
JAP-50	Jon A. Piliaris			Modified Parity Ratio Calculation for Schedule 40
JAP-51	Jon A. Piliaris			Sample PSE Residential Electric Customer Bill
JAP-52	Jon A. Piliaris			PSE Residential Electric Rate Summary
JAP-53	Jon A. Piliaris			Staff Response to PSE DR 24
<b>CROSS-EXAMINATION EXHIBITS</b>				
JAP-___	ICNU			PSE Response to ICNU Data Request No. 129 (1 page)
JAP-___	ICNU			Attachment A to PSE Response to ICNU Data

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				<b>Request No. 154 (4 pages)</b>
<b>JAP-___</b>	<b>ICNU</b>			<b>Excerpt of Pacific Power Direct Testimony in Docket UE-152253 (7 pages)</b>
<b>JAP-___</b>	<b>ICNU</b>			<b>Excerpt of PSE Direct Testimony in Dockets UE-121697/UG-121705 (4 pages)</b>
<b>JAP-___</b>	<b>ICNU</b>			<b>Excerpt of PSE Direct Rebuttal Testimony in Dockets UE-121373; UE-121697/UG-121705; and UE-130137/UG-130138 (3 pages)</b>
<b>JAP-___</b>	<b>ICNU</b>			<b>ICNU Response to PSE Data Request No. 11 (1 page)</b>
<b>Ronald J. Roberts, Director of Thermal Resources, PSE</b>				
<b>RJR-1CT</b>	<b>Ronald J. Roberts</b>			<b>***CONFIDENTIAL*** Confidential Prefiled Direct Testimony of Ronald J. Roberts (76 pages) (1/13/17)</b>
<b>RJR-2</b>	<b>Ronald J. Roberts</b>			<b>Professional Qualifications of Ronald J. Roberts</b>
<b>RJR-3</b>	<b>Ronald J. Roberts</b>			<b>Construction and Ownership Agreement Between Montana Power Company and PSE</b>
<b>RJR-4</b>	<b>Ronald J. Roberts</b>			<b>Agreement for the Operation and Maintenance of Colstrip Steam Electric Generating Plant Between Montana Power Company and PSE</b>
<b>RJR-5</b>	<b>Ronald J. Roberts</b>			<b>Common Facilities Agreement Between Montana Power Company, PSE, Washington Water Power Company, Portland General Electric Company, Pacific Power, and Basin Electric Power Cooperative for Colstrip Units 1-4</b>
<b>RJR-6</b>	<b>Ronald J. Roberts</b>			<b>Coal Purchase and Sale</b>

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				<b>Agreement By and Among PPL Montana, LLC and PSE as Buyers and Western Energy Company as Seller</b>
<b>RJR-7</b>	<b>Ronald J. Roberts</b>			<b>Colstrip Project Transmission Agreement between Northwestern Energy, PSE, Avista, Portland General Electric Company, and PacifiCorp</b>
<b>RJR-8</b>	<b>Ronald J. Roberts</b>			<b>Transmission Agreement Between Montana Power Company and PSE for Colstrip Units 1 and 2</b>
<b>RJR-9</b>	<b>Ronald J. Roberts</b>			<b>Amended and Restated Transmission Agreement Executed by US DOE Acting by and through the Bonneville Power Administration and Montana Intertie Users (Colstrip Project)</b>
<b>RJR-10</b>	<b>Ronald J. Roberts</b>			<b>EPA Rules and Proposed Rules</b>
<b>RJR-11</b>	<b>Ronald J. Roberts</b>			<b>US Energy Information Administration article, “Coal Made up more than 80% of Retired Electricity Generating Capacity in 2015” March 8, 2016</b>
<b>RJR-12</b>	<b>Ronald J. Roberts</b>			<b>“A Bleak Future for Colstrip Units 1 and 2,” Institute for Energy Economics and Financial Analysis, June 2015</b>
<b>RJR-13</b>	<b>Ronald J. Roberts</b>			<b>Statement of Talen Energy, Jeremy McGuire, Senior VP, CFO, before the Montana Energy and Telecommunications Interim Committee, July 14, 2016</b>
<b>RJR-14</b>	<b>Ronald J. Roberts</b>			<b>Talen Montana Colstrip Power Plant Shutdown Water</b>

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				<b>Management Options Analysis, Prepared by WorleyParsons Resources and Energy</b>
<b>RJR-15</b>	<b>Ronald J. Roberts</b>			<b>Feasibility Capital Cost Estimate Colstrip Units 1-4 SCR Retrofit, prepared by David Bowen for Burns &amp; McDonnell</b>
<b>RJR-16</b>	<b>Ronald J. Roberts</b>			<b>USDC District of Montana Sierra Club and Montana Environmental Information Center v. Talen Montana, LLC, Avista, PSE, Portland General Electric Company, Northwestern Energy, and PacifiCorp Declaration of Gordon Criswell in Opposition of Plaintiff's Motion for Attorney's Fees;</b>
<b>RJR-17</b>	<b>Ronald J. Roberts</b>			<b>Forecast of Possible Cost Impacts of I-732</b>
<b>RJR-18</b>	<b>Ronald J. Roberts</b>			<b>Consent Decree from USDC District of Montana between Sierra Club, Montana Environmental Information Center and Talen Montana, LLC, Avista, PSE, Portland General Electric Company, Northwestern Energy, PacifiCorp</b>
<b>RJR-19</b>	<b>Ronald J. Roberts</b>			<b>General Release and Settlement Agreement between Sierra Club, Montana Environmental Information Center, National Wildlife Federation and Talen Montana, LLC, Avista, PSE, Portland General Electric Company, Northwestern Energy,</b>

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				<b>PacifiCorp</b>
<b>RJR-20</b>	<b>Ronald J. Roberts</b>			<b>Cost Estimate to Retire and Decommission Colstrip Units 1 and 2, Black &amp; Veatch Corporation</b>
<b>RJR-21</b>	<b>Ronald J. Roberts</b>			<b>Colstrip Units 1 and 2 Demolition Cost Estimate, HDR Engineering, Inc.</b>
<b>RJR-22</b>	<b>Ronald J. Roberts</b>			<b>Brandenburg Quote – Demolition Budget Colstrip Units 1 and 2</b>
<b>RJR-23</b>	<b>Ronald J. Roberts</b>			<b>Total Projected Decommissioning and Demolition Costs and CCR Plan Costs Colstrip Units 1 and 2</b>
<b>RJR-24</b>	<b>Ronald J. Roberts</b>			<b>Master Plan Summary Report Update Colstrip Steam Electric Station Prepared by Geosyntec Consultants, Revised 9/23/16</b>
<b>RJR-25</b>	<b>Ronald J. Roberts</b>			<b>2017 GRC vs. 2014 PCORC as filed</b>
<b>RJR-26C</b>	<b>Ronald J. Roberts</b>			<b>***CONFIDENTIAL*** Amortization for Rate Years Major Maintenance Expense</b>
<b>RJR-27</b>	<b>Ronald J. Roberts</b>			<b>Lower Snake River Operations and Maintenance Cost Benchmark and Forecast Study</b>
<b>RJR-28</b>	<b>Ronald J. Roberts</b>			<b>RFP for Lower Snake River Service and Maintenance on Behalf of PSE</b>
<b>RJR-29C</b>	<b>Ronald J. Roberts</b>			<b>***CONFIDENTIAL*** New Siemens Wind Turbine Services Agreement</b>
<b>RJR-30T</b>	<b>Ronald J. Roberts</b>			<b>Prefiled Rebuttal Testimony of Ronald J. Roberts (18 pages) (8/9/17)</b>
<b>RJR-31</b>	<b>Ronald J. Roberts</b>			<b>The Application for a Construction Permit to the</b>



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				<b>Montana Department of Health and Environmental Services for Colstrip Units 1 and 2</b>
<b>RJR-32</b>	<b>Ronald J. Roberts</b>			<b>Study of Alternate Ash Disposal Methods For Colstrip Units No. 1 and No. 2, issued by the Montana Power Company in February 1985</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>John K. Rork, Manager, Environmental Programs &amp; Sciences Department, PSE</b>				
<b>JKR-1T</b>	<b>John K. Rork</b>			<b>Prefiled Direct Testimony of John K. Rork (14 pages) (1/13/17)</b>
<b>JKR-2</b>	<b>John K. Rork</b>			<b>Professional Qualifications of John K. Rork</b>
<b>JKR-3</b>	<b>John K. Rork</b>			<b>Electric Sites and Former Manufactured Gas Sites Actual Costs and Insurance Recoveries through 9/16</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Suzanne M. Sasville, Supervisor for Energy Assistance Programs, PSE</b>				
<b>SMS-1T</b>	<b>Suzanne M. Sasville</b>			<b>Prefiled Direct Testimony of Suzanne M. Sasville (8 pages) (1/13/17)</b>
<b>SMS-2</b>	<b>Suzanne M. Sasville</b>			<b>Professional Qualifications of Suzanne M. Sasville</b>
<b>SMS-3</b>	<b>Suzanne M. Sasville</b>			<b>PSE Customers Below Poverty Levels</b>
<b>SMS-4T</b>	<b>Suzanne M. Sasville</b>			<b>Prefiled Rebuttal Testimony of Suzanne M. Sasville (8 pages) (8/9/17)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				

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<b>Steven R. Secrist, Senior Vice President, General Counsel, Chief Ethics and Compliance Officer</b>				
<b>SRS-1T</b>	<b>Steven R. Secrist</b>			<b>Prefiled Rebuttal Testimony of Steven R. Secrist (13 pages) (8/9/17)</b>
<b>SRS-2</b>	<b>Steven R. Secrist</b>			<b>Professional Qualifications of Steven R. Secrist</b>
<b>SRS-3</b>	<b>Steven R. Secrist</b>			<b>Letter to Steve McLellan, Washington Utilities and Transportation Commission (April 2, 1998)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>John J. Spanos, Senior Vice President, Gannett Fleming Valuation and Rate Consultants</b>				
<b>JJS-1T</b>	<b>John J. Spanos</b>			<b>Prefiled Direct Testimony of John J. Spanos (18 pages) (1/13/17)</b>
<b>JJS-2r</b>	<b>John J. Spanos</b>			<b>Professional Qualifications of John J. Spanos (Revised May 11, 2017)</b>
<b>JJS-3</b>	<b>John J. Spanos</b>			<b>2016 Depreciation Study: Calculated Annual Depreciation Accruals Related to Electric, Gas, and Common Plant as of 9/30/16, Prepared by Gannett Fleming</b>
<b>JJS-4T</b>	<b>John J. Spanos</b>			<b>Prefiled Rebuttal Testimony of John J. Spanos (39 pages) (8/9/17)</b>
<b>JJS-5</b>	<b>John J. Spanos</b>			<b>Comparison of Theoretical Net Plant as of Sept. 30, 2016</b>
<b>JJS-6</b>	<b>John J. Spanos</b>			<b>Depreciation Expense for Colstrip Units 3 and 4 (2025 &amp; 2029)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				

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<b>Paul K. Wetherbee, Director, Energy Supply Merchant for PSE</b>				
<b>PKW-1CT</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Confidential Prefiled Direct Testimony of Paul K. Wetherbee (83 pages) (1/13/17)</b>
<b>PKW-2</b>	<b>Paul K. Wetherbee</b>			<b>Professional Qualifications of Paul K. Wetherbee</b>
<b>PKW-3C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** 2017 GRC As Filed Power Costs Projections – AURORA + Not in Models Rate Year January 2018 through December 2018; Gas Price Date: 9/23/16</b>
<b>PKW-4C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** 2017 GRC As Filed vs 2016 Power Costs Update Power Costs Comparison</b>
<b>PKW-5</b>	<b>Paul K. Wetherbee</b>			<b>Greenhouse Gas Emissions Caps Metric Tons CO2 Equivalent</b>
<b>PKW-6C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Change in Power Costs &amp; Generation Due to Emission Constraints</b>
<b>PKW-7</b>	<b>Paul K. Wetherbee</b>			<b>PSE White River Land Parcels in Regulatory Asset Account</b>
<b>PKW-8CT</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Confidential Prefiled Supplemental Testimony of Paul K. Wetherbee (8 pages) (4/3/17)</b>
<b>PKW-9C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** 2017 GRC Supplemental Power Costs Projections – AURORA + Not in Models Rate Year January 2018 through December 2018; Gas</b>

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				Price Date: 2/3/17
PKW-10C	Paul K. Wetherbee			***CONFIDENTIAL*** 2017 GRC Supplemental vs 2017 GRC As Filed Power Costs Comparison
PKW-11C	Paul K. Wetherbee			***CONFIDENTIAL*** 2017 GRC Supplemental vs 2016 Power Costs Update Power Costs Comparison
PKW-12C	Paul K. Wetherbee			***CONFIDENTIAL*** Change in Power Costs & Generation Due to Emission Constraints
PKW-13C	Paul K. Wetherbee			***CONFIDENTIAL*** 2017 GRC Supplemental Contingent Calculation Power Costs Projections – AURORA + Not in Models Raye Year January 2018 through December 2018; Gas Price Date: 2/3/17
PKW-14C	Paul K. Wetherbee			***CONFIDENTIAL*** 2017 GRC Supplemental Contingent Calculation vs 2017 GRC Supplemental Power Costs Comparison
PKW-15CT	Paul K. Wetherbee			***CONFIDENTIAL*** Confidential Prefiled Rebuttal Testimony of Paul K. Wetherbee (50 pages) (8/9/17)
PKW-16	Paul K. Wetherbee			PSE Clean Air Rule Baseline Emissions Limits and 2018 Caps (2012 through 2016)
PKW-17C	Paul K. Wetherbee			***CONFIDENTIAL*** Clean Air Rule Compliance Cost Estimate
PKW-18C	Paul K. Wetherbee			***CONFIDENTIAL*** Comparisons of Actual Wind Generation with the

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				<b>Preconstruction, 2010 DNV, and 2016 Wind Forecasts</b>
<b>PKW-19C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Capacity factors for PSE's Wind Resource from Various Forecasts</b>
<b>PKW-20C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Vaisala Forecasts for All of PSE's Owned Wind Resources</b>
<b>PKW-21C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Updated Summary of Power Costs</b>
<b>PKW-22C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Comparison of Projected Power Costs Presented in This Rebuttal Testimony with the Projected Power Costs Presented in PSE's Supplemental Testimony filed on April 3, 2017</b>
<b>PKW-23C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Comparison of Projected Power Costs Presented in this Rebuttal Testimony with the Projected Power Costs Presented in the 2016 Power Costs Update</b>
<b>PKW-24C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Projected Power Costs with the Special Contract Qualifying Load Removed</b>
<b>PKW-25C</b>	<b>Paul K. Wetherbee</b>			<b>***CONFIDENTIAL*** Comparison of Projected Power Costs Presented in this Rebuttal Testimony with the Qualifying Load Removed with Projected Power Costs Presented in PSE's Supplemental Testimony Filed on April 3, 2017, with</b>

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				<b>the Special Contract Qualifying Load Removed</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Greg J. Zeller, Director Customer Care, PSE</b>				
<b>GJZ-1T</b>	<b>Greg J. Zeller</b>			<b>Prefiled Direct Testimony of Greg J. Zeller (22 pages) (1/13/17)</b>
<b>GJZ-2</b>	<b>Greg J. Zeller</b>			<b>Professional Qualifications of Greg J. Zeller</b>
<b>GJZ-3T</b>	<b>Greg J. Zeller</b>			<b>Prefiled Rebuttal Testimony of Greg J. Zeller (21 pages) (8/9/17)</b>
<b>GJZ-4</b>	<b>Greg J. Zeller</b>			<b>Public Counsel Response to PSE DR 7</b>
<b>GJZ-5</b>	<b>Greg J. Zeller</b>			<b>Public Counsel Response to PSE DR 9</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>COMMISSION REGULATORY STAFF</b>				
<b>Jason L. Ball, Regulatory Analyst</b>				
<b>JLB-1T</b>	<b>Jason L. Ball</b>			<b>Prefiled Response Testimony of Jason L. Ball (56 pages) (6/30/17)</b>
<b>JLB-2</b>	<b>Jason L. Ball</b>			<b>Comparison of Staff and Company Electric Cost of Service Study Results and Rate Design Proposals</b>
<b>JLB-3</b>	<b>Jason L. Ball</b>			<b>Comparison of Staff and Company Natural Gas Rates</b>
<b>JLB-4C</b>	<b>Jason L. Ball</b>			<b>***CONFIDENTIAL*** Seasonal Rate Design Technical Appendix</b>
<b>JLB-5</b>	<b>Jason L. Ball</b>			<b>Bill Impact of Increased Basic Charge</b>
<b>JLB-6</b>	<b>Jason L. Ball</b>			<b>Third Block Technical</b>

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				<b>Appendix</b>
<b>JLB-7</b>	<b>Jason L. Ball</b>			<b>PSE Response to Staff DRs 103 and 104</b>
<b>JLB-8T</b>	<b>Jason L. Ball</b>			<b>Supplemental Testimony of Jason L. Ball (8/7/17) (8 pages)</b>
<b>JLB-9</b>	<b>Jason L. Ball</b>			<b>Cross-Walk of Impacts on Cost of Service from Various Updates</b>
<b>JLB-10</b>	<b>Jason L. Ball</b>			<b>PSE 1<sup>st</sup> Revised Response to Staff DR 443</b>
<b>JLB-11</b>	<b>Jason L. Ball</b>			<b>Staff Response to PSE DR 24</b>
<b>JLB-12T</b>	<b>Jason L. Ball</b>			<b>Prefiled Cross-Answering Testimony of Jason L. Ball (8 pages) (8/9/17)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Melissa C. Cheesman, Regulatory Analyst</b>				
<b>MCC-1T</b>	<b>Melissa C. Cheesman</b>			<b>Prefiled Response Testimony of Melissa C. Cheesman (30 pages) (6/30/17)</b>
<b>MCC-2</b>	<b>Melissa C. Cheesman</b>			<b>Electric Results of Operations for 12 Months Ending 9/30/16</b>
<b>MCC-3</b>	<b>Melissa C. Cheesman</b>			<b>Calculation of Electric Revenue Requirement Sufficiency</b>
<b>MCC-4</b>	<b>Melissa C. Cheesman</b>			<b>Comparison of PSE-Staff Electric Revenue Requirements</b>
<b>MCC-5</b>	<b>Melissa C. Cheesman</b>			<b>Comparison of PSE-Staff Working Capital (Electric)</b>
<b>MCC-6</b>	<b>Melissa C. Cheesman</b>			<b>PSE Requested Overall Electric Revenue Sufficiency</b>
<b>MCC-7</b>	<b>Melissa C. Cheesman</b>			<b>Gas Results of Operations for 12 Months Ending 9/30/16</b>
<b>MCC-8</b>	<b>Melissa C. Cheesman</b>			<b>Calculation of Gas Revenue Requirement Deficiency</b>
<b>MCC-9</b>	<b>Melissa C. Cheesman</b>			<b>Comparison of PSE-Staff Gas Revenue Requirements</b>

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MCC-10	Melissa C. Cheesman			Comparison of PSE-Staff Working Capital (Gas)
MCC-11	Melissa C. Cheesman			PSE Requested Overall Gas Revenue Sufficiency
MCC-12	Melissa C. Cheesman			Electric Revenue Bridge
MCC-13	Melissa C. Cheesman			Gas Revenue Bridge
MCC-14	Melissa C. Cheesman			PSE Response to Staff DR 382
MCC-15	Melissa C. Cheesman			PSE Response to Staff DR 382
MCC-16	Melissa C. Cheesman			PSE Response to Staff DR 371
MCC-17	Melissa C. Cheesman			PSE Response to Staff DR 372
MCC-18	Melissa C. Cheesman			PSE Witness, Ms. Susan Free Natural Gas Work Paper Adjustment 11.13
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Betty A. Erdahl, Regulatory Analyst</b>				
BAE-1T	Betty A. Erdahl			Prefiled Response Testimony of Betty A. Erdahl (16 pages) (6/30/17)
BAE-2	Betty A. Erdahl			Comparison of Staff and PSE Working Capital Adjustments
BAE-3	Betty A. Erdahl			Detailed Staff Working Capital Calculation 13.23 and 11.23
BAE-4	Betty A. Erdahl			PSE Response to Staff DR 337
BAE-5	Betty A. Erdahl			PSE Response to Staff DR 339
BAE-6	Betty A. Erdahl			PSE Response to Staff DR 204
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Kyle A. Frankiewich, Regulatory Analyst</b>				



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KAF-1T	Kyle A. Frankiewicz			Prefiled Response Testimony of Kyle A. Frankiewicz (31 pages) (6/30/17)
KAF-2	Kyle A. Frankiewicz			PSE's Response to Public Counsel DR 290
KAF-3	Kyle A. Frankiewicz			PSE Response to Staff DR 323 (Including Attachments A-E) and PSE's Response to UTC Staff DR 410 (Including Attachment A)
KAF-4	Kyle A. Frankiewicz			PSE Response to Staff DR 327 (Including Attachment A)
KAF-5	Kyle A. Frankiewicz			PSE Response to Staff DR 331
KAF-6	Kyle A. Frankiewicz			PSE Response to Staff DR 329
KAF-7	Kyle A. Frankiewicz			PSE First Supplemental Response to Staff DR 328 (Including Attachment E)
KAF-8	Kyle A. Frankiewicz			Staff Example of Variance in Reasonable Estimates of CAR Baseline (expansion of Exh. PKW-5)
KAF-9	Kyle A. Frankiewicz			PSE Response to Staff DR 419
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>David C. Gomez, Assistant Power Supply Manager</b>				
DCG-1TC	David C. Gomez			<b>***CONFIDENTIAL***</b> Confidential Prefiled Response Testimony of David C. Gomez (35 pages) (6/30/17)
DCG-2	David C. Gomez			PSE 2015 IRP, Appendix D
DCG-3C	David C. Gomez			<b>***CONFIDENTIAL***</b> PSE Response to Staff DR 175, Attachments A&B
DCG-4C	David C. Gomez			<b>***CONFIDENTIAL***</b> PSE Response to Staff DR 177
DCG-5	David C. Gomez			PSE Response to Staff DR 177, Attachment G

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DCG-6	David C. Gomez			PSE Response to Staff DR 177, Attachment C
DCG-7C	David C. Gomez			***CONFIDENTIAL*** PSE Response to Staff DR 176, Attachments C-F
DCG-8C	David C. Gomez			***CONFIDENTIAL*** PSE Response to Staff DR 259
DCG-9C	David C. Gomez			***CONFIDENTIAL*** PSE Response to Staff DR 176, Attachment G
DCG-10	David C. Gomez			2015 Wind Technologies Market Report, p. 41
DCG-11C	David C. Gomez			***CONFIDENTIAL*** PSE Response to Staff DR 311, Attachments B-F
DCG-12C	David C. Gomez			***CONFIDENTIAL*** PSE Response to Staff DR 177, Attachment A
DCG-13C	David C. Gomez			***CONFIDENTIAL*** Portions of Testimony of David C. Gomez, Exh. DCG-1TC, and Gregory N. Duvall, Exh. GND-1TC, in Docket UE-130043
DCG-14	David C. Gomez			Portions of Testimony of David E. Mills, Exh. DEM-11TC, in Dockets UE-111048 and UG-111049
DCG-15C	David C. Gomez			***CONFIDENTIAL*** Portions of Testimony of David E. Mills, Exh. DEM-1TC, in Dockets UE-111048 and UG-111049
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Christopher S. Hancock, Regulatory Analyst</b>				
CSH-1TC	Christopher S. Hancock			***CONFIDENTIAL*** Confidential Prefiled Testimony of Christopher S.

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				<b>Hancock (30 pages) (6/30/17)</b>
<b>CSH-2C</b>	<b>Christopher S. Hancock</b>			<b>***CONFIDENTIAL*** PSE Response to Staff DR 185</b>
<b>CSH-3</b>	<b>Christopher S. Hancock</b>			<b>PSE Response to Staff DR 143</b>
<b>CSH-4</b>	<b>Christopher S. Hancock</b>			<b>PSE Response to Staff DR 16</b>
<b>CSH-5</b>	<b>Christopher S. Hancock</b>			<b>Montana Response to Staff DR 13</b>
<b>CSH-6T</b>	<b>Christopher S. Hancock</b>			<b>Prefiled Cross-Answering Testimony of Christopher S. Hancock (9 pages) (8/9/17)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Jing Liu, Regulatory Analyst</b>				
<b>JL-1TC</b>	<b>Jing Liu</b>			<b>***CONFIDENTIAL*** Confidential Prefiled Response Testimony of Jing Liu (76 pages) (6/30/17) (Revised 7/11/17)</b>
<b>JL-2</b>	<b>Jing Liu</b>			<b>Output of Electric Temperature Normalization Models</b>
<b>JL-3</b>	<b>Jing Liu</b>			<b>Calculation of Electric Temperature Normalization Adjustment</b>
<b>JL-4</b>	<b>Jing Liu</b>			<b>Calculation of Gas Temperature Normalization Adjustment</b>
<b>JL-5</b>	<b>Jing Liu</b>			<b>Output of Gas Temperature Normalization Models Using Ten Year Data</b>
<b>JL-6</b>	<b>Jing Liu</b>			<b>Comparison of Ten Year and Five Year Models for Natural Gas Temperature Normalization</b>
<b>JL-7C</b>	<b>Jing Liu</b>			<b>***CONFIDENTIAL*** PSE Production Cost Trend Analysis</b>
<b>JL-8</b>	<b>Jing Liu</b>			<b>Summary of PSE's Electric</b>

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				<b>Non-Residential Proposed Grouping Backcast</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Chris R. McGuire, Energy Policy Strategist</b>				
<b>CRM-1T</b>	<b>Chris R. McGuire</b>			<b>Prefiled Response Testimony of Chris R. McGuire (37 pages) (6/30/17)</b>
<b>CRM-2</b>	<b>Chris R. McGuire</b>			<b>Colstrip 1 &amp; 2 Pro Rata Depreciation Estimate</b>
<b>CRM-3</b>	<b>Chris R. McGuire</b>			<b>Colstrip 1 &amp; 2 Regulatory Asset</b>
<b>CRM-4</b>	<b>Chris R. McGuire</b>			<b>Report to the Audit Committees (Excerpt)</b>
<b>CRM-5</b>	<b>Chris R. McGuire</b>			<b>PSE Response to Public Counsel DR 424</b>
<b>CRM-6T</b>	<b>Chris R. McGuire</b>			<b>Prefiled Cross-Answering Testimony of Chris R. McGuire (13 pages) (8/9/17)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Elizabeth C. O'Connell, Regulatory Analyst</b>				
<b>ECO-1TC</b>	<b>Elizabeth C. O'Connell</b>			<b>***CONFIDENTIAL*** Confidential Prefiled Direct Testimony of Elizabeth C. O'Connell (33 pages) (6/30/17)</b>
<b>ECO-2C</b>	<b>Elizabeth C. O'Connell</b>			<b>***CONFIDENTIAL*** Staff's Proposed Environmental Remediation Adjustments</b>
<b>ECO-3</b>	<b>Elizabeth C. O'Connell</b>			<b>Environmental Remediation Commission Orders, Start Dates, and Costs</b>
<b>ECO-4</b>	<b>Elizabeth C. O'Connell</b>			<b>PSE Environmental Remediation Quarterly Reports, Q1 2017</b>
<b>ECO-5</b>	<b>Elizabeth C. O'Connell</b>			<b>PSE Response to Staff DR 279</b>

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ECO-6	Elizabeth C. O'Connell			PSE Response to Staff DR 284
ECO-7	Elizabeth C. O'Connell			PSE Response to Staff DR 282
ECO-8	Elizabeth C. O'Connell			PSE Response to Staff DR 280
ECO-9	Elizabeth C. O'Connell			PSE Response to Staff DR 270 and 271
ECO-10C	Elizabeth C. O'Connell			<b>***CONFIDENTIAL***</b> PSE Response to Staff DR 401, Attachment W
ECO-11	Elizabeth C. O'Connell			PSE Response to Staff DR 278
ECO-12	Elizabeth C. O'Connell			PSE Response to Staff DR 269, Attachment A
ECO-13C	Elizabeth C. O'Connell			<b>***CONFIDENTIAL***</b> Tacoma Tide Flats Letter
ECO-14C	Elizabeth C. O'Connell			<b>***CONFIDENTIAL***</b> PSE Response to Staff DR 401, Attachment K
ECO-15	Elizabeth C. O'Connell			PSE Response to Staff DR 281
ECO-16	Elizabeth C. O'Connell			Washington Natural Gas and PSE's Environmental Projects Quarterly Reports Excluding Tacoma Tide Flats
ECO-17	Elizabeth C. O'Connell			PSE's Summary of Environmental Remediation Costs for Gas Sites Including Tacoma Tide Flats, 12/31/97
ECO-18	Elizabeth C. O'Connell			PSE Response to Staff DR 364, Attachment A
ECO-19	Elizabeth C. O'Connell			PSE Response to Staff DR 364
ECO-20	Elizabeth C. O'Connell			PSE Response to Staff DR 221
ECO-21	Elizabeth C. O'Connell			PSE Response to Staff DR 312 and 408
ECO-22	Elizabeth C. O'Connell			Staff's Proposed Legal Costs Adjustments
ECO-23	Elizabeth C. O'Connell			PSE Response to Staff DR 218, Attachment A

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<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>David C. Parcell, Senior Economist, Technical Associates, Inc.</b>				
<b>DCP-1T</b>	<b>David C. Parcell</b>			<b>Prefiled Response Testimony of David C. Parcell (55 pages) (6/30/17)</b>
<b>DCP-2</b>	<b>David C. Parcell</b>			<b>Background and Experience</b>
<b>DCP-3</b>	<b>David C. Parcell</b>			<b>PSE Total Cost of Capital</b>
<b>DCP-4</b>	<b>David C. Parcell</b>			<b>Economic Indicators</b>
<b>DCP-5</b>	<b>David C. Parcell</b>			<b>PSE History of Credit Ratings</b>
<b>DCP-6</b>	<b>David C. Parcell</b>			<b>PSE Capital Structure Ratios</b>
<b>DCP-7</b>	<b>David C. Parcell</b>			<b>Proxy Companies Average Common Equity Ratios</b>
<b>DCP-8</b>	<b>David C. Parcell</b>			<b>Proxy Companies Basis for Selection</b>
<b>DCP-9</b>	<b>David C. Parcell</b>			<b>Proxy Companies DCF Cost Rates</b>
<b>DCP-10</b>	<b>David C. Parcell</b>			<b>Standard &amp; Poor's 500 ROE and 20-Year Treasury Bond Returns</b>
<b>DCP-11</b>	<b>David C. Parcell</b>			<b>Proxy Companies CAPM Cost Rates</b>
<b>DCP-12</b>	<b>David C. Parcell</b>			<b>Proxy Companies ROE and Market to Book Ratios</b>
<b>DCP-13</b>	<b>David C. Parcell</b>			<b>Standard &amp; Poor's 500 ROE and Market to Book Ratios</b>
<b>DCP-14</b>	<b>David C. Parcell</b>			<b>Risk Indicators</b>
<b>DCP-15</b>	<b>David C. Parcell</b>			<b>Risk Indicators of Electric Utilities by Size</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Andrew Roberts, Regulatory Analyst</b>				
<b>AR-1T</b>	<b>Andrew Roberts</b>			<b>Prefiled Response Testimony of Andrew Roberts (9 pages) (6/30/17)</b>
<b>AR-2</b>	<b>Andrew Roberts</b>			<b>PSE Response to Staff DR 387</b>
<b>AR-3</b>	<b>Andrew Roberts</b>			<b>PSE Response to Staff DR</b>

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<b>AR-4</b>	<b>Andrew Roberts</b>			<b>PSE Response to Staff DR 43</b>
<b>AR-5</b>	<b>Andrew Roberts</b>			<b>PSE Response to Staff DR 40</b>
<b>AR-6</b>	<b>Andrew Roberts</b>			<b>PSE Response to Staff DR 44</b>
<b>AR-7</b>	<b>Andrew Roberts</b>			<b>Effect of IVR Transaction Data on SQI No. 5 Calculation</b>
<b>AR-8</b>	<b>Andrew Roberts</b>			<b>In the Matters of Puget Sound Power and Light Co. Dockets UE-951270 and UE-960195, Fourteenth Supplemental Order Accepting Stipulation; Approving Merger</b>
<b>AR-9</b>	<b>Andrew Roberts</b>			<b>PSE Response to Staff DR 386</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Thomas E. Schooley, Assistant Director – Energy Regulation, Regulatory Services Division</b>				
<b>TES-1T</b>	<b>Thomas E. Schooley</b>			<b>Prefiled Response Testimony of Thomas E. Schooley (31 pages) (6/30/17)</b>
<b>TES-2</b>	<b>Thomas E. Schooley</b>			<b>Charts of Storm Events</b>
<b>TES-3</b>	<b>Thomas E. Schooley</b>			<b>Storm Damage Expenses by Periods Ending September 30</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Jennifer Snyder, Regulatory Analyst</b>				
<b>JES-1T</b>	<b>Jennifer Snyder</b>			<b>Prefiled Response Testimony of Jennifer Snyder (8 pages) (6/30/17)</b>
<b>JES-2</b>	<b>Jennifer Snyder</b>			<b>PSE Response to Staff DR 253</b>
<b>JES-3</b>	<b>Jennifer Snyder</b>			<b>PSE Response to Staff DR 394</b>
<b>JES-4C</b>	<b>Jennifer Snyder</b>			<b>***CONFIDENTIAL*** PSE Response to Staff DR 252, Attachment A</b>
<b>JES-5</b>	<b>Jennifer Snyder</b>			<b>PSE Response to Staff DR 392</b>

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JES-6	Jennifer Snyder			PSE Supplemental Response to Staff DR 392
JES-7	Jennifer Snyder			Lazard, "Lazard's Levelized Cost of Storage Analysis 2.0 – Key Findings"
JES-8	Jennifer Snyder			PSE Response to Staff DR 247
JES-9	Jennifer Snyder			PSE Response to Staff DR 250
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>E. Cooper Wright, Regulatory Analyst</b>				
ECW-1T	E. Cooper Wright			Prefiled Response Testimony of E. Cooper Wright (27 pages) (6/30/17)
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>PUBLIC COUNSEL</b>				
<b>Barbara R. Alexander, Independent Consultant</b>				
BRA-1T	Barbara R. Alexander			Prefiled Response Testimony of Barbara R. Alexander (33 pages) (6/30/17)
BRA-2	Barbara R. Alexander			Resume
BRA-3	Barbara R. Alexander			PSE Response to Public Counsel DR 22
BRA-4	Barbara R. Alexander			PSE Response to Public Counsel DR 19, Attachment A
BRA-5	Barbara R. Alexander			PSE Response to Public Counsel DR 27, Attachments B, C, and D
BRA-6	Barbara R. Alexander			PSE Response to Public Counsel DR 14
BRA-7	Barbara R. Alexander			PSE Response to Public Counsel DR 15
BRA-8	Barbara R. Alexander			PSE Response to Public Counsel DR 443
BRA-9	Barbara R. Alexander			PSE Response to Public Counsel DR 28, Attachment A
BRA-10	Barbara R. Alexander			PSE Response to Public



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				<b>Counsel DR 358</b>
<b>BRA-11</b>	<b>Barbara R. Alexander</b>			<b>PSE Response to Public Counsel DR 363, Attachment A</b>
<b>BRA-12</b>	<b>Barbara R. Alexander</b>			<b>Customer Care Center Abandonment Rate Data</b>
<b>BRA-13</b>	<b>Barbara R. Alexander</b>			<b>Copy of PAC Customer Service Guarantees</b>
<b>BRA-14</b>	<b>Barbara R. Alexander</b>			<b>Code of Maryland Regulations, 20.50.12.08</b>
<b>BRA-15</b>	<b>Barbara R. Alexander</b>			<b>Pennsylvania PUC Customer Service Report</b>
<b>BRA-16</b>	<b>Barbara R. Alexander</b>			<b>Xcel Energy Tariffs: Sections 6 and 1.9</b>
<b>BRA-17</b>	<b>Barbara R. Alexander</b>			<b>PSE Response to Staff DR 43</b>
<b>BRA-18</b>	<b>Barbara R. Alexander</b>			<b>PSE Response to Staff DR 468</b>
<b>BRA-19</b>	<b>Barbara R. Alexander</b>			<b>PSE Response to Public Counsel DR 13</b>
<b>BRA-20</b>	<b>Barbara R. Alexander</b>			<b>PSE Response to Public Counsel DR 361</b>
<b>BRA-21</b>	<b>Barbara R. Alexander</b>			<b>PSE Response to Public Counsel DR 362</b>
<b>BRA-22</b>	<b>Barbara R. Alexander</b>			<b>PSE Response to Public Counsel DR 25, Attachments A and B</b>
<b>BRA-23</b>	<b>Barbara R. Alexander</b>			<b>PSE Response to Public Counsel DR 56</b>
<b>BRA-24</b>	<b>Barbara R. Alexander</b>			<b>PSE Response to Public Counsel DR 6</b>
<b>BRA-25</b>	<b>Barbara R. Alexander</b>			<b>PSE Responses to Public Counsel DRs 9, 10, 42, and 43</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Michael L. Brosch, President, Utilitech, Inc.</b>				
<b>MLB-1T</b>	<b>Michael L. Brosch</b>			<b>Prefiled Response Testimony of Michael L. Brosch (70 pages) (6/30/17)</b>
<b>MLB-2</b>	<b>Michael L. Brosch</b>			<b>Qualifications</b>
<b>MLB-3</b>	<b>Michael L. Brosch</b>			<b>PSE Response to Public Counsel DR 62, with</b>

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				<b>Attachment A</b>
<b>MLB-4</b>	<b>Michael L. Brosch</b>			<b>Hawaiian Electric Company RBA Tariff</b>
<b>MLB-5</b>	<b>Michael L. Brosch</b>			<b>PSE Responses to Public Counsel DRs 61 and 283</b>
<b>MLB-6</b>	<b>Michael L. Brosch</b>			<b>PSE Responses to Public Counsel DRs 48, 51, and 73</b>
<b>MLB-7</b>	<b>Michael L. Brosch</b>			<b>Puget Energy/PSE 2016 Year End Update Presentation</b>
<b>MLB-8</b>	<b>Michael L. Brosch</b>			<b>PSE Responses to Public Counsel DRs 71, 72, and 75</b>
<b>MLB-9</b>	<b>Michael L. Brosch</b>			<b>PSE Response to Public Counsel DR 388</b>
<b>MLB-10</b>	<b>Michael L. Brosch</b>			<b>PSE Response to Public Counsel DR 393, with Attachment A</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Roxie M. McCullar, CPA and Consultant, William Dunkel and Associates</b>				
<b>RMM-1T</b>	<b>Roxie M. McCullar</b>			<b>Prefiled Response Testimony of Roxie M. McCullar (31 pages) (6/30/17)</b>
<b>RMM-2</b>	<b>Roxie M. McCullar</b>			<b>Qualifications</b>
<b>RMM-3</b>	<b>Roxie M. McCullar</b>			<b>Comparison of Current Approved, PSE Proposed, and Public Counsel Proposed Accrual Rate and Annual Accrual Amounts</b>
<b>RMM-4</b>	<b>Roxie M. McCullar</b>			<b>Public Counsel's Proposed Depreciation Rates for PSE's Electric Plant</b>
<b>RMM-5</b>	<b>Roxie M. McCullar</b>			<b>Public Counsel's Proposed Depreciation Rates for PSE's Natural Gas Plant</b>
<b>RMM-6</b>	<b>Roxie M. McCullar</b>			<b>Referenced Pages from NARUC's Public Utility Depreciation Practices (August 1996)</b>
<b>RMM-7</b>	<b>Roxie M. McCullar</b>			<b>PSE Response to ICNU DR 27, Attachment A (PSE – 2016 – Production Net</b>

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				Salvage Calculations)
RMM-8	Roxie M. McCullar			Comparison of PSE Proposed Future Net Salvage Accrual and Average Net Salvage Actually Incurred in Recent Years for Natural Gas Plant
RMM-9	Roxie M. McCullar			Comparison of Public Counsel's Proposed Future Net Salvage Accrual and Average Net Salvage Actually Incurred in Recent Years for Natural Gas Plant
RMM-10	Roxie M. McCullar			Comparison of PSE Proposed Future Net Salvage Accrual and Average Net Salvage Actually Incurred in Recent Years for Electric Plant
RMM-11	Roxie M. McCullar			Comparison of Public Counsel's Proposed Future Net Salvage Accrual and Average Net Salvage Actually Incurred in Recent Years for Electric Plant
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Ralph C. Smith, CPA and Senior Regulatory Utility Consultant, Larkin &amp; Associates, PLLC</b>				
RCS-1TC	Ralph C. Smith			<b>***CONFIDENTIAL*** Confidential Prefiled Response Testimony of Ralph C. Smith (89 pages) (6/30/17)</b>
RCS-2	Ralph C. Smith			Qualifications
RCS-3	Ralph C. Smith			Electric Revenue Requirement
RCS-4	Ralph C. Smith			Natural Gas Revenue Requirement
RCS-5	Ralph C. Smith			PSE Responses to Public Counsel DR 297 and ICNU DRs 63, 65, and 67
RCS-6	Ralph C. Smith			PSE Responses to Staff DRs 6 and 46

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RCS-7	Ralph C. Smith			PSE Responses to Public Counsel DR 126 and ICNU DR 60
RCS-8C	Ralph C. Smith			***CONFIDENTIAL*** PSE Responses to ICNU DRs 56 and 57 (with Attachment A) and Staff DR 212
RCS-9	Ralph C. Smith			PSE Responses to Staff DR 278 (with Attachment A) and 284
RCS-10C	Ralph C. Smith			***CONFIDENTIAL*** PSE Responses to Public Counsel DRs 355, 394, 395, 420, 426 (with Attachment A); Sierra Club DR 4 (with Attachment A); Staff DRs 142, 296, 359, 359 (revised with Attachments A and B), and 461
RCS-11C	Ralph C. Smith			***CONFIDENTIAL*** PSE Response to Sierra Club DR 16, Attachment A (Colstrip Strategic Planning Update, dated 3/2/17)
RCS-12C	Ralph C. Smith			***CONFIDENTIAL*** Analysis of Pension Plans
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Glenn A. Watkins, Principal and Senior Economist, Technical Associates, Inc.</b>				
GAW-1T	Glenn A. Watkins			Prefiled Response Testimony of Glenn A. Watkins (70 pages) (6/30/17)
GAW-2	Glenn A. Watkins			Background and Experience Profile
GAW-3	Glenn A. Watkins			Public Counsel DR 300
GAW-4	Glenn A. Watkins			Public Counsel DR 301
GAW-5	Glenn A. Watkins			PSE Wind/Hydro Production During Peak Hours
GAW-6	Glenn A. Watkins			Base-Intermediate-Peak Classification
GAW-7	Glenn A. Watkins			Gross Plant and Depreciation

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				<b>Reserve Hourly Assignments</b>
<b>GAW-8</b>	<b>Glenn A. Watkins</b>			<b>Probability of Dispatch Summary of Class Allocation Factors</b>
<b>GAW-9</b>	<b>Glenn A. Watkins</b>			<b>Probability of Dispatch Class Cost of Service Study</b>
<b>GAW-10</b>	<b>Glenn A. Watkins</b>			<b>Class Cost of Service Studies Parity Ratios</b>
<b>GAW-11</b>	<b>Glenn A. Watkins</b>			<b>Electric Residential Customer Cost Analysis</b>
<b>GAW-12</b>	<b>Glenn A. Watkins</b>			<b>Natural Gas Residential Customer Cost Analysis</b>
<b>GAW-13T</b>	<b>Glenn A. Watkins</b>			<b>Prefiled Cross-Answering Testimony of Glenn A. Watkins (10 pages) (8/9/17)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>J. Randall Woolridge, Professor of Finance, Pennsylvania State University</b>				
<b>JRW-1T</b>	<b>J. Randall Woolridge</b>			<b>Prefiled Response Testimony of J. Randall Woolridge (75 pages) (6/30/17)</b>
<b>JRW-2</b>	<b>J. Randall Woolridge</b>			<b>Background &amp; Experience Profile</b>
<b>JRW-3</b>	<b>J. Randall Woolridge</b>			<b>Recommended Cost of Capital</b>
<b>JRW-4</b>	<b>J. Randall Woolridge</b>			<b>Ten Year Treasury Yield</b>
<b>JRW-5</b>	<b>J. Randall Woolridge</b>			<b>Public Utility Bond Yields</b>
<b>JRW-6</b>	<b>J. Randall Woolridge</b>			<b>Summary Financial Statistics for Proxy Groups</b>
<b>JRW-7</b>	<b>J. Randall Woolridge</b>			<b>Capital Structures Ratios and Debt Cost Rates</b>
<b>JRW-8</b>	<b>J. Randall Woolridge</b>			<b>Relationship Between Expected ROE and Market- to-Book Ratios</b>
<b>JRW-9</b>	<b>J. Randall Woolridge</b>			<b>Public Utility Capital Cost Indicators</b>
<b>JRW-10</b>	<b>J. Randall Woolridge</b>			<b>Industry Average Betas</b>
<b>JRW-11</b>	<b>J. Randall Woolridge</b>			<b>Discount Cash Flow Model</b>
<b>JRW-12</b>	<b>J. Randall Woolridge</b>			<b>Discount Cash Flow Study</b>
<b>JRW-13</b>	<b>J. Randall Woolridge</b>			<b>Capital Asset Pricing Model</b>

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				<b>Study</b>
JRW-14	J. Randall Woolridge			PSE's Proposed Cost of Capital
JRW-15	J. Randall Woolridge			PSE ROE Results
JRW-16	J. Randall Woolridge			PSE Response to Public Counsel DR 333
JRW-17T	J. Randall Woolridge			Prefiled Cross-Answering Testimony of J. Randall Woolridge (12 pages) (8/9/17)
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>THE ENERGY PROJECT</b>				
<b>Shawn M. Collins, Director, The Energy Project</b>				
SMC-1Tr	Shawn M. Collins			Prefiled Response Testimony of Shawn M. Collins (32 pages) (6/30/17) (Revised 7/31/27)
SMC-2	Shawn M. Collins			Professional Qualifications
SMC-3T	Shawn M. Collins			Prefiled Cross-Answering Testimony of Shawn M. Collins (9 pages) (8/9/17)
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>ICNU</b>				
<b>Michael P. Gorman, Consultant and Managing Principal, Brubaker &amp; Associates, Inc.</b>				
MPG-1T	Michael P. Gorman			Prefiled Response Testimony of Michael P. Gorman (44 pages) (6/30/17)
MPG-2	Michael P. Gorman			Professional Qualifications
MPG-3	Michael P. Gorman			Treasury and Utility Bond Yields
MPG-4	Michael P. Gorman			Valuation Metrics
MPG-5	Michael P. Gorman			Accuracy of Interest Rate Forecasts
MPG-6	Michael P. Gorman			ICNU's Proposed Electric Revenue Distribution
MPG-7Tr	Michael P. Gorman			Prefiled Cross-Answering

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				Testimony of Michael P. Gorman (13 pages) (8/9/17) (Revised 8/10/17)
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>NWIGU</b>				
<b>Brian C. Collins, Consultant and Principal, Brubaker &amp; Associates, Inc.</b>				
BCC-1T	Brian C. Collins			Prefiled Response Testimony of Brian C. Collins (19 pages) (6/30/17)
BCC-2	Brian C. Collins			Qualifications
BCC-3	Brian C. Collins			Proposed Class Cost of Service
BCC-4	Brian C. Collins			Proposed Class Margin Revenue Allocation
BCC-5T	Brian C. Collins			Prefiled Cross-Answering Testimony of Brian C. Collins (8/9/17) (9 pages)
BCC-6T	Brian C. Collins			Prefiled Supplemental Cross-Answering Testimony of Brian C. Collins (8/15/17) (7 pages)
<b>Edward A. Finklea, Executive Director, Northwest Industrial Gas Users</b>				
EAF-1T	Edward A. Finklea			Prefiled Supplemental Cross-Answering Testimony of Edward A. Finklea (8/15/17) (12 pages)
EAF-2	Edward A. Finklea			Qualifications
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>ICNU AND NWIGU</b>				
<b>Bradley G. Mullins, Independent Consultant</b>				
BGM-1TCr	Bradley G. Mullins			<b>*** CONFIDENTIAL ***</b> Prefiled Response Testimony of Bradley G. Mullins (56 pages) (6/30/17) (Revised 7/7/17)

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BGM-2	Bradley G. Mullins			List of Regulatory Appearances
BGM-3	Bradley G. Mullins			Electric Services Revenue Requirement
BGM-4	Bradley G. Mullins			Natural Gas Services Revenue Requirement
BGM-5C	Bradley G. Mullins			*** CONFIDENTIAL *** PSE Responses to DRs
BGM-6	Bradley G. Mullins			Proposed Amortization Schedule of Early Retirement Costs
BGM-7	Bradley G. Mullins			PSE Response to ICNU DR 24
BGM-8	Bradley G. Mullins			Ardmore Substation 10 Year Planning Documents
BGM-9	Bradley G. Mullins			Ardmore Substation Project Implementation Plan
BGM-10	Bradley G. Mullins			PSE Response to ICNU DR 91, with Attachment B
BGM-11	Bradley G. Mullins			PSE Responses to ICNU DRs 24 (Supplemental), 25, 85, 86, and 87
BGM-12T	Bradley G. Mullins			Prefiled Cross-Answering Testimony of Bradley G. Mullins (16 pages) (8/9/17)
BGM-13	Bradley G. Mullins			Updated Electric Services Revenue Requirement
BGM-14	Bradley G. Mullins			Updated Natural Gas Services Revenue Requirement
BGM-15	Bradley G. Mullins			Updated Colstrip Units 1 and 2 Regulatory Asset Amortization
BGM-16	Bradley G. Mullins			PSE's Supplemental Response to ICNU DR 15
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>NWEC/RNW/NRDC</b>				
<b>Amanda M. Levin, Energy and Climate Analyst, Natural Resources Defense Council</b>				



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<b>AML-1T</b>	<b>Amanda M. Levin</b>			<b>Prefiled Response Testimony of Amanda M. Levin (27 pages) (6/30/17)</b>
<b>AML-2</b>	<b>Amanda M. Levin</b>			<b>Professional Qualifications</b>
<b>AML-3</b>	<b>Amanda M. Levin</b>			<b>1992 Letter from WUTC Staff to NARUC</b>
<b>AML-4</b>	<b>Amanda M. Levin</b>			<b>PSE Response to NWEK/RNW/NRDC DR 43</b>
<b>AML-5</b>	<b>Amanda M. Levin</b>			<b>PSE Response to NWEK/RNW/NRDC DR 36</b>
<b>AML-6</b>	<b>Amanda M. Levin</b>			<b>PSE Response to NWEK/RNW/NRDC DR 40</b>
<b>AML-7</b>	<b>Amanda M. Levin</b>			<b>Chapter 4 of 2015 IRP</b>
<b>AML-8</b>	<b>Amanda M. Levin</b>			<b>PSE Response to NWEK/RNW/NRDC DR 49, Attachment A</b>
<b>AML-9</b>	<b>Amanda M. Levin</b>			<b>PSE Response to NWEK/RNW/NRDC DR 50</b>
<b>AML-10</b>	<b>Amanda M. Levin</b>			<b>PSE Response to NWEK/RNW/NRDC DR 47</b>
<b>AML-11</b>	<b>Amanda M. Levin</b>			<b>PSE Response to Public Counsel DR 62, Attachment A</b>
<b>AML-12</b>	<b>Amanda M. Levin</b>			<b>PSE Response to Public Counsel DR 60, Part C</b>
<b>AML-13T</b>	<b>Amanda M. Levin</b>			<b>Prefiled Cross-Answering Testimony of Amanda M. Levin (11 pages) (8/9/17)</b>
<b>AML-14</b>	<b>Amanda M. Levin</b>			<b>FEA Response to NWEK/RNW/NRDC DR 1</b>
<b>AML-15</b>	<b>Amanda M. Levin</b>			<b>FEA Response to NWEK/RNW/NRDC DR 3</b>
<b>AML-16</b>	<b>Amanda M. Levin</b>			<b>Direct Testimony of Paul Chernick, Case. No. 16-1852-EL-SSO (May 2, 2017), Public Utilities Council of Ohio (PUCO)</b>
<b>AML-17</b>	<b>Amanda M. Levin</b>			<b>Rebuttal Testimony (Non-Confidential) of Ralph C. Cavanagh, Docket No. UE-</b>

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				<b>121697</b>
<b>AML-18</b>	<b>Amanda M. Levin</b>			<b>Morgan, Pamela, “A Decade of Decoupling for US Energy Utilities: Rate Impacts, Designs, and Observations” (November 2012)</b>
<b>AML-19</b>	<b>Amanda M. Levin</b>			<b>Vilbert, Michael, Joseph B. Wharton, Charles Gibbons, Melanie Rosenberg, and Yang Wei Neo, “The impact of revenue decoupling on the cost of capital for electric utilities: an empirical investigation,” BRATTLE GROUP, Prepared for The Energy Foundation (2014)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>AML-__</b>	<b>ICNU</b>			<b>Electric Utilities with Decoupling (1 page)</b>
<b>AML-__</b>	<b>ICNU</b>			<b>RAP Report: Decoupling Design: Customizing Revenue Regulation to Your State’s Priorities (Nov. 2016) (44 pages)</b>
<b>Michael H. O’Brien, Research Director, Renewable Northwest</b>				
<b>MHO-1T</b>	<b>Michael H. O’Brien</b>			<b>Prefiled Response Testimony of Michael H. O’Brien (3 pages) (6/30/17)</b>
<b>MHO-2</b>	<b>Michael H. O’Brien</b>			<b>Professional Qualifications of Michael H. O’Brien</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Thomas M. Power, Research Professor, University of Montana at Missoula</b>				
<b>TMP-1T</b>	<b>Thomas M. Power</b>			<b>Prefiled Response Testimony of Thomas M. Power (48 pages) (6/30/17)</b>
<b>TMP-2</b>	<b>Thomas M. Power</b>			<b>Professional Qualifications of Thomas M. Power</b>
<b>TMP-3</b>	<b>Thomas M. Power</b>			<b>PSE Response to Staff DR 359, Revision 1 of Attachment</b>

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				<b>B</b>
<b>TMP-4</b>	<b>Thomas M. Power</b>			<b>PSE Response to Staff DR 359, Attachment A</b>
<b>TMP-5</b>	<b>Thomas M. Power</b>			<b>PSE Response to Staff DR 185 and Supplemental Response</b>
<b>TMP-6</b>	<b>Thomas M. Power</b>			<b>PSE Response to NWEK/RNW/NRDC DR 10</b>
<b>TMP-7</b>	<b>Thomas M. Power</b>			<b>PSE Response to NWEK/RNW/NRDC DR 11</b>
<b>TMP-8</b>	<b>Thomas M. Power</b>			<b>PSE Response to NWEK/RNW/NRDC DR 12</b>
<b>TMP-9T</b>	<b>Thomas M. Power</b>			<b>Prefiled Cross-Answering Testimony of Thomas M. Power (22 pages) (8/9/17)</b>
<b>TMP-10</b>	<b>Thomas M. Power</b>			<b>PSE Response to ICNU DR 103</b>
<b>TMP-11</b>	<b>Thomas M. Power</b>			<b>PSE Response to ICNU DR 111</b>
<b>TMP-12</b>	<b>Thomas M. Power</b>			<b>PSE Supplemental Response to ICNU DR 111</b>
<b>TMP-13</b>	<b>Thomas M. Power</b>			<b>PSE Response to Staff DR 185</b>
<b>TMP-14C</b>	<b>Thomas M. Power</b>			<b>*** CONFIDENTIAL *** PSE Supplemental Response to Staff DR 185</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>Cameron B. Yourowski, Senior Policy Manager, Renewable Northwest</b>				
<b>CBY-1T</b>	<b>Cameron B. Yourowski</b>			<b>Prefiled Response Testimony of Cameron B. Yourowski (20 pages) (6/30/17)</b>
<b>CBY-2</b>	<b>Cameron B. Yourowski</b>			<b>Qualifications</b>
<b>CBY-3</b>	<b>Cameron B. Yourowski</b>			<b>PSE Response to NWEK/RNW/NRDC DR 3(a)</b>
<b>CBY-4</b>	<b>Cameron B. Yourowski</b>			<b>PSE Response to NWEK/RNW/NRDC DR 2, Attachment C</b>

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CBY-5	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 14
CBY-6	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 16
CBY-7	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 17
CBY-8	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 13
CBY-9	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 22
CBY-10	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 19
CBY-11	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 2, Attachment A
CBY-12	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 18
CBY-13	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 15
CBY-14	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 27
CBY-15	Cameron B. Yourowski			PSE Response to NWEC/RNW/NRDC DR 2, Attachment B
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>SIERRA CLUB</b>				
<b>Ezra D. Hausman, Independent Consultant, Ezra Hausman Consulting</b>				
EDH-1T	Ezra D. Hausman			Prefiled Response Testimony of Ezra D. Hausman (41 pages) (6/30/17)
EDH-2	Ezra D. Hausman			Professional Qualifications of Ezra D. Hausman
EDH-3	Ezra D. Hausman			Docket UE-072300, Excerpt from Second Exhibit to Prefiled Direct Testimony of C. Richard Clarke
EDH-4	Ezra D. Hausman			Docket UE-072300,

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				Testimony of William H. Weinman
EDH-5	Ezra D. Hausman			Docket UE-072300, Direct Testimony of Charles W. King
EDH-6	Ezra D. Hausman			Docket UE-072300, Prefiled Rebuttal Testimony of Michael J. Jones
EDH-7	Ezra D. Hausman			PSE Responses to DRs
EDH-8	Ezra D. Hausman			PSE Response to Staff DR 459, Attachment A
EDH-9	Ezra D. Hausman			PSE Response to Public Counsel DR 286, Attachment A
EDH-10	Ezra D. Hausman			Prefiled Cross-Answering Testimony of Ezra D. Hausman (7 pages) (8/9/17)
<b>CROSS-EXAMINATION EXHIBITS</b>				
EDH-__	ICNU			Excerpt of PacifiCorp's 2017 Integrated Resource Plan, Vol. 1 (4/4/2017) (3 pages)
EDH-__	ICNU			Excerpt of PacifiCorp's 2017 Integrated Resource Plan, Vol. 2 (4/4/2017) (10 pages)
<b>KROGER</b>				
<b>Kevin C. Higgins, Principal, Energy Strategies, LLC</b>				
KCH-1T	Kevin C. Higgins			Prefiled Response Testimony of Kevin C. Higgins (23 pages) (6/30/17)
KCH-2	Kevin C. Higgins			Comparison of PSE's Proposed Rate Spread and Kroger's Proposed Rate Spread at PSE's Proposed Revenue Requirement
KCH-3	Kevin C. Higgins			Kroger Proposed Rate Schedule 25 Design at PSE Requested Revenue Requirement and Spread
KCH-4T	Kevin C. Higgins			Prefiled Cross-Answering Testimony of Kevin C.

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				Higgins (10 pages) (8/9/17)
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>FEDERAL EXECUTIVE AGENCIES</b>				
<b>Ali Z. Al-Jabir, Energy Advisor and Senior Consultant, Brubaker &amp; Associates, Inc.</b>				
<b>AZA-1T</b>	<b>Ali Z. Al-Jabir</b>			<b>Prefiled Response Testimony of Ali Z. Al-Jabir (32 pages) (6/30/17)</b>
<b>AZA-2</b>	<b>Ali Z. Al-Jabir</b>			<b>Professional Qualifications of Ali Z. Al-Jabir</b>
<b>AZA-3</b>	<b>Ali Z. Al-Jabir</b>			<b>Electric Class Cost of Service Study Results at Present and Proposed Rates Adjusted Test Year 12 Months Ended September 2016 at Pro Forma Revenue Requirement</b>
<b>AZA-4</b>	<b>Ali Z. Al-Jabir</b>			<b>PSE's Proposed Electric Base Rate Revenue Increase vs. Cost-Based Rates Adjusted Test Year 12 Months Ended September 2016 at Pro Forma Revenue Requirement</b>
<b>AZA-5</b>	<b>Ali Z. Al-Jabir</b>			<b>FEA's Proposed Electric Revenue Allocation Adjusted Test Year 12 Months Ended September 2016 at Pro Forma Revenue Requirement</b>
<b>AZA-6T</b>	<b>Ali Z. Al-Jabir</b>			<b>Prefiled Cross-Answering Testimony of Ali Z. Al-Jabir (10 pages) (8/9/17)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				
<b>NUCOR STEEL</b>				

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<b>STATE OF MONTANA</b>				
<b>Patrick M. Risken, Assistant Attorney General for the State of Montana</b>				
<b>PMR-1T</b>	<b>Patrick M. Risken</b>			<b>Prefiled Cross-Answering Testimony of Patrick M. Risken (12 pages) (8/9/17)</b>
<b>PMR-2</b>	<b>Patrick M. Risken</b>			<b>PSE Response to Public Counsel DR 415</b>
<b>PMR-3</b>	<b>Patrick M. Risken</b>			<b>PSE Response to NWEK/RNW/NRDC DR 5</b>
<b>PMR-4</b>	<b>Patrick M. Risken</b>			<b>PSE Response to NWEK/RNW/NRDC DR 6</b>
<b>PMR-5</b>	<b>Patrick M. Risken</b>			<b>PSE Response to NWEK/RNW/NRDC DR 7</b>
<b>PMR-6</b>	<b>Patrick M. Risken</b>			<b>Staff Response to NWEK/RNW/NRDC DRs 2-9</b>
<b>PMR-7</b>	<b>Patrick M. Risken</b>			<b>June 23, 2017, Letter to Chris Cavazos from Steve Gross, International Union of Operating Engineers</b>
<b>PMR-8</b>	<b>Patrick M. Risken</b>			<b>PSE Response to Sierra Club DR 3</b>
<b>PMR-9</b>	<b>Patrick M. Risken</b>			<b>Governor Gregoire's Executive Order 09-05, Washington's Leadership on Climate Change</b>
<b>PMR-10</b>	<b>Patrick M. Risken</b>			<b>Docket UE-121373, Order 03, Final Order Granting Petition Subject to Conditions</b>
<b>PMR-11</b>	<b>Patrick M. Risken</b>			<b>MOU Between State of Washington and Transalta Centralia Generation LLC (April 26, 2010)</b>
<b>PMR-12</b>	<b>Patrick M. Risken</b>			<b>PSE's Response to NWEK/RNW/NRDC DR 12</b>

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<b>PMR-13</b>	<b>Patrick M. Risken</b>			<b>Commission Notice of Ex Parte Communication (August 1, 2017)</b>
<b>CROSS-EXAMINATION EXHIBITS</b>				