

EXHIBIT LIST
PSE 2019 GRC
Dockets UE-190529, UG-190530, UE-190274, UG-190275, UE-171225, UG-171226,
UE-190991, and UG-190992 (*Consolidated*)
Evidentiary Hearing – February 6, 2020

NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
BENCH EXHIBITS				
BR-1	PSE		1/31/20	Requesting updates to rebuttal exhibits to support PSE’s revised ROE; confirming that exhibits provided in PSE’s direct and supplemental filings correctly incorporated PSE’s initial ROE request
BR-2	AWEC		1/31/20	Requesting corrected exhibits to incorporate AWEC’s proposed ROE
BR-3	PSE		2/6/20	Requesting information related to the inclusion of AMI and GTZ expenses in the test year
BR-4	PSE		2/6/20	Requesting remote disconnection data
BR-5	PSE		2/6/20	Requesting PSE’s amortization period for PP EDIT using ARAM
BR-6	PSE		2/6/20	Inquiring whether the Company intends to apply the Common Cost Allocator that was approved as part of the Settlement Agreement in the Final Order approving the Special Contract in Docket UG-151663
BR-7	PSE		2/6/20	Requesting an explanation of the “availability score” for wind turbines (source, criteria, definition)
BR-8	PSE		2/6/20	Requesting the Company’s proposal for the amortization of unrecovered depreciation for its gas conversion burner program

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
BR-9	PSE		2/6/20	Requesting data related to PSE's Water Heater Service customers
BR-10	Public Counsel		2/18/20	Public Comment Exhibit
BR-11	PSE		2/19/20	Requesting certain updates to revenue requirement and several adjustments
BR-12	PSE		2/19/20	Requesting information related to test year depreciation for GTZ and AMI
BR-13	PSE		2/19/20	Requesting PP EDIT amounts refunded to customers through Sch. 141X; PP ARAM reversal amounts
BR-14	PSE		2/19/20	Requesting information related to Colstrip depreciation, PTCs, treasury grants, and D&R costs
BR-15	All Parties		4/22/20	Requesting input regarding options to mitigate the impact in the short-term of any rate increase on customers that results from the final resolution of the case
BR-16	PSE		5/22/20	Requesting the Report of Sales and Transfers of Real Property Occurring During the Period of January 1, 2019, through December 31, 2019
PSE WITNESSES				
David E. Mills, Senior Vice President of Policy and Energy Supply				
DEM-1T	David E. Mills	A	6/20/19	Direct Testimony (28 pages)
DEM-2		A	6/20/19	Professional Qualifications
DEM-3T		A	1/15/20	Rebuttal Testimony (10 pages)

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
Daniel A. Doyle, Chief Financial Officer				
DAD-1Tr	Daniel A. Doyle	A	6/20/19, revised 8/22/19	Direct Testimony (52 pages)
DAD-2		A	6/20/19	Professional Qualifications
DAD-3		A	6/20/19	S&P's Funds from Operations to Debt Metric for PSE
DAD-4		A	6/20/19	Returns on Equity, Equity Ratios and Weighted-Average ROEs for Elec. and Natural Gas Utils. for 1/18/18-12/31/18
DAD-5		A	6/20/19	Returns on Equity, Equity Ratios and Weighted-Average ROEs for Proxy Group for 1/18/18-12/31/18
DAD-6		A	6/20/19	Test Year and Rate Year Credit Metric Comparisons
DAD-7Tr		A	1/15/20	Rebuttal Testimony (48 pages)
DAD-8r		A	1/15/20	Example Calculation of PSE's Proposed Changes to PSE's Earnings Sharing Mechanism if the Commission Were to Adopt PSE's Proposed Attrition Adjustments
DAD-9		A	1/15/20	Impact of Commission Staff's and Public Counsel's Weighted-Average Return on Equity Proposals
Dr. Roger A. Morin, Principal, Utility Research International				
RAM-1Tr	Roger A. Morin	A	6/20/19, revised 8/22/19	Direct Testimony (60 pages)
RAM-2		A	6/20/19	Professional Qualifications

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
RAM-3		A	6/20/19	Investment-Grade Dividend-Paying Combination Gas and Electric Utilities Covered in Value Line’s Utility Industry Group
RAM-4		A	6/20/19	Proxy Group for PSE
RAM-5		A	6/20/19	Combination Elec. & Gas Utils. – DCF Analysis Value Line Growth Rates
RAM-6r		A	6/20/19, revised 8/22/19	Combination Elec. & Gas Utils. – DCF Analysis Analysts’ Growth Forecasts
RAM-7		A	6/20/19	Combination Elec. & Gas Utilities – Beta Estimates
RAM-8		A	6/20/19	DCF Analysis, S&P 500 Stocks
RAM-9		A	6/20/19	Empirical CAPM (17 pages)
RAM-10		A	6/20/19	2018 Utility Industry Historical Risk Premium
RAM-11		A	6/20/19	Allowed Risk Premium Analysis
RAM-12T		A	1/15/20	Rebuttal Testimony (98 pages)
RAM-13		A	1/15/20	Expected and Authorized Returns on Equity for Dr. Woolridge’s Proxy Group of Thirty Electric Utilities
RAM-14		A	1/15/20	Updated Combination Electric & Gas Utilities – DCF Analysis Value Line
RAM-15		A	1/15/20	Updated Combination Electric & Gas Utilities – DCF Analysis Analysts’ Growth Forecasts
RAM-16		A	1/15/20	Updated Combination Electric & Gas Utilities – Beta Estimates

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
RAM-17		A	1/15/20	Updated DCF Analysis S&P 500 Stocks
CROSS-EXAMINATION EXHIBITS				
RAM-18X	Staff	A		PSE's Response to UTC Staff Data Request No. 242 (1 page)
RAM-19X		A		PSE's Response to UTC Staff Data Request No. 243 (1 page)
RAM-20X		A		PSE's Response to UTC Staff Data Request No. 244 (2 pages)
RAM-21X		A		PSE's Response to UTC Staff Data Request No. 245 (1 page)
Matthew D. McArthur, Corporate Treasurer				
MDM-1T	Matthew D. McArthur	A	6/20/19	Direct Testimony (24 pages)
MDM-2		A	6/20/19	Professional Qualifications
MDM-3		A	6/20/19	Test Year Capital Structure and Costs of Capital (2018 Commission Basis Reports)
MDM-4		A	6/20/19	Test Year Capital Structure and Costs of Capital (As Adjusted by PSE)
MDM-5		A	6/20/19	Projected Rate Year Capital Structure and Costs of Capital
MDM-6		A	6/20/19	PSE's Outstanding Issues of Callable Long-Term Debt as of December 31, 2018
MDM-7T		A	1/15/20	Rebuttal Testimony (10 pages)
MDM-8		A	1/15/20	PSE's Proposed Cost of Capital and Rate of Return (with a Revised Return on Equity of 9.5 Percent)
MDM-9		A	1/15/20	PSE's Proposed Cost of Capital and Rate of Return (with a Revised Return on Equity of 9.7 Percent)

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
Margaret F. Hopkins, Vice President and Chief Information Officer				
MFH-1T	Margaret F. Hopkins	A	6/20/19	Direct Testimony (43 pages)
MFH-2		A	6/20/19	Professional Qualifications
MFH-3		A	6/20/19	Technology Placed into Service After October 1, 2016, and Before December 31, 2018
MFH-4		A	6/20/19	Data Center and Disaster Recovery Program Corporate Spending Authorization Documentation
MFH-5		A	6/20/19	Energy Management System Upgrade Corporate Spending Authorization
MFH-6		A	6/20/19	HR-TOPS Corporate Spending Authorization
MFH-7T		A	1/15/20	Rebuttal Testimony (16 pages)
MFH-8		A	1/15/20	Forbes: Next-Generation Data Centers
CROSS-EXAMINATION EXHIBITS				
MFH-9X	AWEC	A		PSE Response to AWEC Data Request No. 001 and Attachment A thereto (5 pages) (10/8/19)
MFH-10X		A		PSE Response to AWEC Data Request No. 003 and Attachments A, B and C thereto (29 pages) (10/8/19)
MFH-11X		A		PSE Response to AWEC Data Request No. 004 (1 page) (10/8/19)
Joshua J. Jacobs, Director, Business Integration				
JJJ-1T	Joshua J. Jacobs	A	6/20/19	Direct Testimony (51 pages)
JJJ-2		A	6/20/19	Professional Qualifications
JJJ-3		A	6/20/19	2016 GTZ Board Presentation
JJJ-4		A	6/20/19	2016 GTZ Project Roadmap

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION	
JJJ-5		A	6/20/19	2016 JD Power Residential Electric & Natural Gas Scores	
JJJ-6		A	6/20/19	GTZ Project List	
JJJ-7		A	6/20/19	Web Corporate Spending Authorization	
JJJ-8		A	6/20/19	Communication Gateway Corporate Spending Authorization	
JJJ-9		A	6/20/19	Microservices Corporate Spending Authorization	
JJJ-10		A	6/20/19	IWM Corporate Spending Authorization	
JJJ-11T		A	1/15/20	Rebuttal Testimony (32 pages)	
JJJ-12		A	1/15/20	J.D. Power 2019 Utilities Industry Outlook	
JJJ-13		A	1/15/20	Consumer Education Cards	
JJJ-14		A	1/15/20	GTZ Pro Forma Period Project List Update	
CROSS-EXAMINATION EXHIBITS					
JJJ-15X		The Energy Project	A	1/31/20	PSE's Response to The Energy Project's Data Request No. 32
JJJ-16X			A	1/31/20	PSE's Response to The Energy Project's Data Request No. 34
JJJ- 17X			A	1/31/20	PSE's Response to Public Counsel's Data Request No. 129
JJJ-18X	A		1/31/20	PSE's Response to Public Counsel's Data Request No. 122	
JJJ-19Xr	A		2/5/20 revised	PSE's Response to Public Counsel's Data Request No. 185 (Without Attachment A)	
JJJ-20X	A		1/31/20	PSE's Response to Public Counsel's Data Request No. 186	

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
Andrew Wappler, Vice President, Customer Operations and Communications				
AW-1T	Andrew Wappler	A	6/20/19	Direct Testimony (23 pages)
AW-2		A	6/20/19	Professional Qualifications
AW-3		A	6/20/19	JD Power 2018 Electric Residential Customer Satisfaction Survey
AW-4		A	6/20/19	JD Power 2017-2018 Scorecards
AW-5T		A	1/15/20	Rebuttal Testimony (21 pages)
CROSS-EXAMINATION EXHIBITS				
AW-6X	The Energy Project	A	1/31/20	PSE's Response to The Energy Project's Data Request No. 2
AW-7X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 3
AW-8X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 4
AW-9X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 5
AW-10X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 8
AW-11X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 9
AW-12X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 10
AW-13X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 12
AW-14X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 13
AW-15X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 14 (Included Attachment A)
AW-16X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 15

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
AW-17X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 16
AW-18X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 17
AW-19X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 18
AW-20X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 27
AW-21X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 28
AW-22X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 29
AW-23X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 30 (Included Attachment A)
AW-24X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 31
AW-25X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 33 (Included Attachment A)
AW-26X		A	1/31/20	PSE's Response to Public Counsel's Data Request No. 113
AW-27X		A	1/31/20	PSE's Response to Public Counsel's Data Request No. 119 (Including Attachment A)
Booga K. Gilbertson, Senior Vice President, Operations				
BKG-1T	Booga K. Gilbertson	A	6/20/19	Direct Testimony (36 pages)
BKG-2		A	6/20/19	Professional Qualifications
Catherine A. Koch, Director, Planning				
CAK-1Tr	Catherine A. Koch	A	6/20/19, revised 8/22/19	Direct Testimony (66 pages)
CAK-2		A	6/20/19	Professional Qualifications

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
CAK-3 (Appendices A-F)		A	6/20/19	Major Projects Greater than \$10 Million
CAK-04 (Appendices A-G)		A	6/20/19	***CONFIDENTIAL*** Advanced Metering Infrastructure (Appendices C and D are Confidential)
CAK-5		A	6/20/19	Storm Deferral
CAK-6Tr		A	1/15/20	Rebuttal Testimony (35 pages)
CAK-7		A	1/15/20	Public Counsel's Response to PSE Data Request No. 003
CROSS-EXAMINATION EXHIBITS				
CAK-8Xr	Public Counsel	A	2/5/20 revised	PSE Response to Public Counsel Data Request No. 256, Attachments A, B, C, and E
CAK-9X		A		PSE Response to Public Counsel Data Request No. 257
CAK-10X		A		PSE Response to Public Counsel Data Request No. 261
CAK-11CX		A		***CONFIDENTIAL*** PSE Response to Public Counsel Data Request No. 265, Attachment A
CAK-12X		A		PSE Response to Public Counsel Data Request No. 267
CAK-13X		A		PSE Response to Public Counsel Data Request No. 269
CAK-14X		A		PSE Response to Public Counsel Data Request No. 270
CAK-15X		A		PSE Response to Public Counsel Data Request No. 274

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
Duane A. Henderson, Manager, Gas System Integrity				
DAH-1T	Duane A. Henderson	A	6/20/19	Direct Testimony (12 pages)
DAH-2		A	6/20/19	Professional Qualifications
DAH-3		A	6/20/19	Excerpts from PSE 2012 10-Year Plan HP Project List
DAH-4T		A	1/15/20	Rebuttal Testimony (7 pages)
CROSS-EXAMINATION EXHIBITS				
DAH-5X	AWEC	A		PSE Response to AWEC Data Request No. 54 (1 page) (1/28/20)
Doug S. Loreen, Director, Safety and Corporate Shared Services				
DSL-1T	Douglas S. Loreen	A	6/20/19	Direct Testimony (32 pages)
DSL-2		A	6/20/19	Professional Qualifications
DSL-3		A	6/20/19	CBRE Workplace Strategy Findings Report
DSL-4C		A	6/20/19	***CONFIDENTIAL*** CBRE Market Analysis April 2018
DSL-5		A	6/20/19	Capital Spending Authorization for Bellingham Service Center
DSL-6		A	6/20/19	South King Complex Tenant Improvement - Phase I
DSL-7		A	6/20/19	Snoqualmie Facility Purchase Authorization
DLS-8T		A	9/17/19	Supplemental Testimony (7 pages)
DLS-9		A	9/17/19	Agreement of Purchase and Sale between PSE and Southport West LLC

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
Paul K. Wetherbee, Director, Energy Supply Merchant				
PKW-1CT	Paul K. Wetherbee	A	6/20/19	***CONFIDENTIAL*** Direct Testimony (93 pages)
PKW-2		A	6/20/19	Professional Qualifications
PKW-3C		A	6/20/19	***CONFIDENTIAL*** Summary of PSE's Proposed Power Costs in Comparison with Power Costs in the 2017 GRC Settlement
PKW-4		A	6/20/19	EMC Slides for 150 MW Midway Transmission Renewal
PKW-5		A	6/20/19	EMC Slides for 474 MW Rocky Reach/Vantage Transmission Renewal
PKW-6		A	6/20/19	EMC Slides for 150 MW New Mid-C Transmission
PKW-7		A	6/20/19	EMC Slides for 663 MW Colstrip Transmission Renewal
PKW-8		A	6/20/19	EMC Slides for 300 MW Transmission Renewal for PG&E Exchange Agreement
PKW-9		A	6/20/19	EMC Slides for Hopkins Ridge 2024 Transmission
PKW-10C		A	6/20/19	***CONFIDENTIAL*** Description of the Analysis Used to Estimate the Value of the Colville Slice of the Wells Hydroelectric Project
PKW-11		A	6/20/19	EMC Slides for Extension of 33,000 dth/day Capacity on Westcoast Pipeline

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
PKW-12C		A	6/20/19	***CONFIDENTIAL*** EMC Slides for Extension of 52,000 dth/day Capacity on Westcoast Pipeline
PKW-13C		A	6/20/19	***CONFIDENTIAL*** Summary of Rate Year Power Costs by Resource
PKW-14C		A	6/20/19	***CONFIDENTIAL*** Monthly Detail of Costs and Energy Produced by AURORA Model
PKW-15C		A	6/20/19	***CONFIDENTIAL*** Summary of the Rate Year Costs Not in AURORA Model
PKW-16C		A	6/20/19	***CONFIDENTIAL*** Rate Year Resources Input Summary
PKW-17C		A	6/20/19	***CONFIDENTIAL*** Summary of the 2018 Review of Variable O&M Costs
PKW-18C		A	6/20/19	***CONFIDENTIAL*** Variable Operations and Maintenance Dispatch Assumptions for Gas-Fired Generators
PKW-19C		A	6/20/19	***CONFIDENTIAL*** Monthly Market Gas and Power Prices

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
PKW-20C		A	6/20/19	***CONFIDENTIAL*** Presentation of the 2017 Availability Data and the Adjusted Capacity Used to Calculate the Cost of Westcoast Capacity
PKW-21C		A	6/20/19	***CONFIDENTIAL*** Comparison of Actual Wind Generation with Preconstruction, 2010 DNV, and 2016 Wind Forecast for Each Wind Resource
PKW-22C		A	6/20/19	***CONFIDENTIAL*** Development of Skookumchuck PPA Hour-Ahead Costs
PKW-23C		A	6/20/19	***CONFIDENTIAL*** Calculation of Rate Year Day-Ahead Wind Integration Costs
PKW-24C		A	6/20/19	***CONFIDENTIAL*** Colstrip Fixed Fuel Costs
PKW-25C		A	6/20/19	***CONFIDENTIAL*** Contract Costs of Mid-C Hydro Resources
PKW-26C		A	6/20/19	***CONFIDENTIAL*** BPA Transmission Costs
PKW-27C		A	6/20/19	***CONFIDENTIAL*** Gas Mark-to-Model and Open Transport Value

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PKW-28C		A	6/20/19	***CONFIDENTIAL*** Fixed Gas-for-Power Transportation Costs
PKW-29C		A	6/20/19	***CONFIDENTIAL*** Distillate Fuel Incremental Costs
PKW-30C		A	6/20/19	***CONFIDENTIAL*** Adjustment to Remove Non- Fuel Costs that are Included in AURORA Model's Peaker Start Costs
PKW-31C		A	6/20/19	***CONFIDENTIAL*** Winter Peak Planning Incremental Costs
PKW-32		A	6/20/19	Other Power Costs Chargeable to FERC Account 557
PKW-33C		A	6/20/19	***CONFIDENTIAL*** Comparison of Commission Approved Power Costs with Proposed Power Costs in this Proceeding
PKW-34CT		A	1/15/20	***CONFIDENTIAL*** Rebuttal Testimony (36 pages)
PKW-35C		A	1/15/20	***CONFIDENTIAL*** Summary of PSE's Proposed Power Costs in Comparison with Power Costs presented in Direct Testimony

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PKW-36C		A	1/15/20	***CONFIDENTIAL*** PSE's Response to WUTC Staff Data Request No. 202
PKW-37C		A	1/15/20	***CONFIDENTIAL*** 2016 Vaisala Wind Forecast Reports
PKW-38		A	1/15/20	Westcoast Pipeline Availability
PKW-39C		A	1/15/20	***CONFIDENTIAL*** Power Cost Summary by Resource
PKW-40C		A	1/15/20	***CONFIDENTIAL*** Market Energy Prices
PKW-41C		A	1/15/20	***CONFIDENTIAL*** Power Costs Not in Aurora
PKW-42C		A	1/15/20	***CONFIDENTIAL*** Description of Short-term Request for Proposals Process
PKW-43C		A	1/15/20	***CONFIDENTIAL*** Aurora Costs and Energy Outputs
PKW-44C		A	1/15/20	***CONFIDENTIAL*** Skookumchuck Wind Balancing Costs
PKW-45C		A	1/15/20	***CONFIDENTIAL*** Day-ahead Wind Integration Costs

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PKW-46C		A	1/15/20	***CONFIDENTIAL*** Colstrip Fixed Fuel Costs
PKW-47C		A	1/15/20	***CONFIDENTIAL*** Mid-Columbia Contracts Costs
PKW-48C		A	1/15/20	***CONFIDENTIAL*** Bonneville Power Administration Transmission Costs
PKW-49C		A	1/15/20	***CONFIDENTIAL*** Gas Mark-to-Model and Open Transport Value
PKW-50C		A	1/15/20	***CONFIDENTIAL*** Fixed Gas for Power Transportation Costs
PKW-51C		A	1/15/20	***CONFIDENTIAL*** Distillate Fuel Incremental Costs
PKW-52C		A	1/15/20	***CONFIDENTIAL*** Cost Included in Peaker Start Costs
PKW-53C		A	1/15/20	***CONFIDENTIAL*** Winter Peak Planning Incremental Costs
PKW-54		A	1/15/20	FERC 557 Other Power Costs
PKW-55C		A	1/15/20	***CONFIDENTIAL*** Summary of Power Costs with Full Update

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
Ronald J. Roberts, Director of Generation and Natural Gas Storage				
RJR-1T	Ronald J. Roberts	A	6/20/19	Direct Testimony (38 pages)
RJR-2		A	6/20/19	Professional Qualifications
RJR-3C		A	6/20/19	***CONFIDENTIAL*** Details Regarding the Colstrip Steam Electric Station
RJR-4		A	6/20/19	Press Release of Talen Montana Announcing the Early Retirement of Colstrip Units 1 & 2
RJR-5		A	6/20/19	Press Release of PSE Regarding the Early Retirement of Colstrip Units 1 & 2
RJR-6		A	6/20/19	Colstrip Steam Electric Station PSE Capital Expenditures Over \$100,000 (October 1, 2016 - December 31, 2018)
RJR-7		A	6/20/19	Summary of Rate Year Production O&M Costs
RJR-8		A	6/20/19	Summary of the Adjustments to Test Year Expenses in Calculating the Rate Year Production O&M Expenses
RJR-9C		A	6/20/19	***CONFIDENTIAL*** Summary of Colstrip Overhaul Events Included in the Rate Year

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
RJR-10C		A	6/20/19	***CONFIDENTIAL*** Amortization of Major Maintenance Associated with PSE's Owned and Jointly Owned Simple and Combined Cycle Combustion Turbine Facilities Included in the Rate Year
RJR-11C		A	6/20/19	***CONFIDENTIAL*** 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
RJR-12		A	6/20/19	Comparison of Hydro O&M Costs Included in this Proceeding to Hydro O&M Costs Included in the 2017 GRC
RJR-13		A	6/20/19	Comparison of Wind Production O&M Costs Included in this Proceeding to Wind Production O&M Costs Included in the 2017 GRC
RJR-14T		A	1/15/20	Rebuttal Testimony (26 pages)
RJR-15HC		A	1/15/20	Coal Supply Agreement (December 5, 2019)

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
RJR-16		A	1/15/20	Updated Production O&M Costs
William T. Einstein, Director of Product Development and Growth				
WTE-1CT	William T. Einstein	A	6/20/19	***CONFIDENTIAL*** Direct Testimony (41 pages)
WTE-2		A	6/20/19	Professional Qualifications
WTE-3C		A	6/20/19	***CONFIDENTIAL*** Skookumchuck Wind Energy Project, LLC PPA
WTE-4C		A	6/20/19	***CONFIDENTIAL*** Lund Hill Solar Project, LLC PPA
WTE-5		A	6/20/19	Exhibit A to 2017 RFP for Renewable Energy
WTE-6HC		A	6/20/19	***CONFIDENTIAL*** Green Direct First Open Season RFI Results
WTE-7HC		A	6/20/19	***CONFIDENTIAL*** Green Direct Second Open Season RFP Results
WTE-8T		A	9/17/19	Supplemental Direct Testimony (6 pages)
WTE-9T		A	1/15/20	Rebuttal Testimony (12 pages)
Thomas M. Hunt, Director of Compensation and Benefits				
TMH-1T	Thomas M. Hunt	A	6/20/19	Direct Testimony (33 pages)
TMH-2		A	6/20/19	Professional Qualifications
TMH-3C		A	6/20/19	***CONFIDENTIAL*** Merit Increase Trends

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
TMH-4		A	6/20/19	Excerpts from Executive Compensation Portion of Form 10-K
TMH-5C		A	6/20/19	***CONFIDENTIAL*** Health Benefit Plans History
TMH-6		A	6/20/19	Pension Assets and Pension Benefit Obligations
TMH-7		A	6/20/19	2018 Goals and Incentives Plan
TMH-8T		A	1/15/20	Rebuttal Testimony (16 pages)
TMH-9		A	1/15/20	Public Counsel Response to PSE Data Request No. 002
CROSS-EXAMINATION EXHIBITS				
TMH-10X	Public Counsel	A		PSE Response to Public Counsel Data Request No. 278
TMH-11X		A		PSE Response to Public Counsel Data Request No. 279
TMH-12X		A		PSE Response to Public Counsel Data Request No. 281
Matthew R. Marcellia, Director of Tax and IT Finance Projects				
MRM-1Tr	Matthew R. Marcellia	A	6/20/19, Revised 1/29/20	Direct Testimony (65 pages)
MRM-2		A	6/20/19	Professional Qualifications
MRM-3		A	6/20/19	I.R.S. Private Letter Ruling 8920025
MRM-4		A	6/20/19	I.R.S. Private Letter Ruling 200824001
MRM-5		A	6/20/19	I.R.S. Private Letter Ruling 201820010
MRM-6		A	6/20/19	Normalizations Provisions in the Tax Cuts and Jobs Act

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
MRM-7		A	6/20/19	PricewaterhouseCoopers Comments on PSE's ARAM and Normalization Treatment
MRM-8		A	6/20/19	2014.08.14 Vision Document Budget Project Whitepaper
MRM-9		A	6/20/19	FTIP Reset Slides
MRM-10		A	6/20/19	FTIP2 CSA Design Close
MRM-11T		A	1/15/20	Rebuttal Testimony (81 pages)
MRM-12		A	1/15/20	IRS Private Letter Ruling 200632017
CROSS-EXAMINATION EXHIBITS				
MRM-13X	Public Counsel	A		PSE Response to Public Counsel Data Request No. 275
MRM-14CX	AWEC	A		***CONFIDENTIAL*** PSE Response to AWEC Data Request No. 050 (2 pages) (1/28/20)
Jon A. Piliaris, Director, Regulatory Affairs				
JAP-1T	Jon A. Piliaris	A	6/20/19	Direct Testimony (53 pages)
JAP-2		A	6/20/19	Professional Qualifications
JAP-3		A	6/20/19	Normalized Test Year Revenue from Electric Operations
JAP-4		A	6/20/19	Normalized Test Year Revenue from Natural Gas Operations
JAP-5r		A	2/11/20 revised	Electric Lighting Rate Design
JAP-6r		A	2/11/20 revised	Electric Rate Design Proposal
JAP-7		A	6/20/19	Proposed Electric Tariff Schedule Revisions
JAP-8		A	6/20/19	Sample Calculation of Conjunctive Billed Demand

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
JAP-9r		A	2/11/20 revised	Derivation of Demand Rates under Conjunctive Demand Billing
JAP-10		A	6/20/19	Conjunctive Demand Service Option Tariff Schedule
JAP-11r		A	2/11/20 revised	Electric Delivery Decoupling Mechanism Calculations
JAP-12r		A	2/11/20 revised	Electric Fixed Production Decoupling Mechanism Calculations
JAP-13r		A	2/11/20 revised	Gas Decoupling Mechanism Calculations
JAP-14r		A	2/11/20 revised	Estimated Electric Bill Impacts from Proposed Base and Rider Rates
JAP-15r		A	2/11/20 revised	Estimated Gas Bill Impacts from Proposed Base and Rider Rates
JAP-16		A	6/20/19	Projected Electric Rate Year Revenue for Attrition Analysis
JAP-17		A	6/20/19	Projected Gas Rate Year Revenue for Attrition Analysis
JAP-18T		A	1/15/20	Rebuttal Testimony (32 pages)
JAP-19		A	1/15/20	Normalized Test Year Revenue from Natural Gas Operations
JAP-20		A	1/15/20	2019 PAYS® Status Update
CROSS-EXAMINATION EXHIBITS				
JAP-21X	The Energy Project	A	1/31/20	PSE's Response to The Energy Project's Data Request No. 1
JAP-22X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 19 (Included Attachment A)

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
JAP-23Xr		A	2/5/20 revised	PSE's First Revised Response to The Energy Project's Data Request No. 23 (Including Attachment A (Excerpt))
JAP-24X		A	1/31/20	PSE's Response to The Energy Project's Data Request No. 26
Susan E. Free, Manager of Revenue Requirement				
SEF-1Tr	Susan E. Free	A	6/20/19, revised 8/22/19	Direct Testimony (79 pages)
SEF-2		A	6/20/19	Professional Qualifications
SEF-3		A	6/20/19	Electric and Natural Gas Revenue, Net Revenue Change Request
SEF-4		A	6/20/19	Electric and Natural Gas Summary Pages, Detailed Summaries
SEF-5		A	6/20/19	Electric and Natural Gas Test Year Rate Base, Working Capital, Allocation Methods and Cost of Capital
SEF-6		A	6/20/19	Revenue Requirement Restating and <i>Pro Forma</i> Adjustments-Common to Electric and Natural Gas
SEF-7		A	6/20/19	Revenue Requirement Restating and <i>Pro Forma</i> Adjustments-Electric Only
SEF-8		A	6/20/19	Revenue Requirement Restating and <i>Pro Forma</i> Adjustments-Natural Gas Only
SEF-9		A	6/20/19	Determination of Attrition Basis Amounts for Electric and Natural Gas
SEF-10		A	6/20/19	Five-Year Cost per Customer

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
SEF-11		A	6/20/19	Exhibit A-1 Power Cost and Fixed Production Cost Baseline Rate
SEF-12T		A	9/17/19	Supplemental Direct Testimony (9 pages)
SEF-13		A	9/17/19	Updated Summary of Professional Qualifications
SEF-14		A	9/17/19	Electric Net Revenue Change Requested – Supplemental Filing (updating Exh. SEF-3E)
SEF-15		A	9/17/19	Electric Summary Pages and Detailed Summaries – Supplemental Filing (updating Exh. SEF-4E)
SEF-16		A	9/17/19	Electric Restating and Pro forma Adjustments – Supplemental Filing (only change is to Electric Adjustment SEF-16.20 EP) (updating Exh. SEF-6E)
SEF-17T		A	1/15/20	Rebuttal Testimony (102 pages)
SEF-18r		A	3/2/20 revised	Electric and Natural Gas Revenue Net Revenue Change Requested
SEF-19r		A	3/2/20 revised	Electric and Natural Gas Summary Pages, Detailed Summaries
SEF-20		A	1/15/20	Revenue Requirement Restating and Pro forma Adjustments – Common to Electric and Natural Gas
SEF-21		A	1/15/20	Revenue Requirement Restating and Pro forma Adjustments – Electric Only
SEF-22		A	1/15/20	Determination of Attrition Basis Amounts for Electric and Natural Gas

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION	
SEF-23r		A	3/2/20 revised	Exhibit A-1 – Power Cost and Fixed Production Cost Baseline Rate	
SEF-24r		A	3/2/20 revised	Comparison of Parties Recommended Electric Net Revenue Change Requested	
SEF-25r		A	3/2/20 revised	Comparison of Parties Recommended Natural Gas Net Revenue Change Requested	
SEF-26		A	1/15/20	Regulatory Assets and Liabilities	
SEF-27		A	1/15/20	Trend in Average Lives of Intangible Plant Category	
SEF-28		A	1/15/20	Excerpts from Historical Approved Schedule 95A Tariff Pages	
SEF-29		A	1/15/20	Corrections to Amounts Calculated by AWEC for Colstrip Units 1 and 2	
SEF-30		A	1/15/20	Colstrip Annual Report filed November 27, 2019	
SEF-31		A	1/15/20	Example of Proposed Reporting of Green Direct Variable Power Costs when PPA Generation Exceeds Program Usage	
SEF-32		A	1/15/20	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					
SJK-1T		Stephen J. King	A	6/20/19	Direct Testimony (14 pages)
SJK-2	A		6/20/19	Professional Qualifications	
SJK-3	A		6/20/19	Allocated Results of Operations	
SJK-4	A		6/20/19	Balance Sheet	

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
SJK-5		A	6/20/19	Revised 2018 Affiliated Interest and Subsidiary Transaction Report filed with the Commission On May 7, 2019
Ronald J. Amen, Black & Veatch Management Consulting LLC, Director, Advisory and Planning Practice				
RJA-1T	Ronald J. Amen	A	6/20/19	Direct Testimony (40 pages)
RJA-2		A	6/20/19	Professional Qualifications
RJA-3		A	6/20/19	Electric Attrition Study
RJA-4		A	6/20/19	Gas Attrition Study
RJA-5		A	6/20/19	Gas Capacity Resource Allocation
RJA-6Tr		A	1/15/20	Rebuttal Testimony (28 pages)
RJA-7		A	1/15/20	Exponential Growth in Rate Base
RJA-8r		A	3/2/20 revised	Electric Attrition
RJA-9r		A	3/2/20 revised	Gas Attrition
RJA-10		A	1/15/20	Response to WUTC Staff Data Request No. 006
John D. Taylor, Black & Veatch Management Consulting LLC, Principal Consultant				
JDT-1T	John D. Taylor	A	6/20/19	Direct Testimony (30 pages)
JDT-2		A	6/20/19	Professional Qualifications
JDT-3		A	6/20/19	Summary of COSS Results
JDT-4		A	6/20/19	Account Detail by Classification and Rate Class
JDT-5		A	6/20/19	Account Inputs and Allocation Choices
JDT-6		A	6/20/19	External Allocation Factors
JDT-7		A	6/20/19	Rate Apportionment, Proposed Rates, and Revenue Proofs

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
JDT-8		A	6/20/19	Demand and Procurement Charge Support
JDT-9T		A	1/15/20	Rebuttal Testimony (19 pages)
JDT-10r		A	2/11/20 revised	Summary of COSS results
JDT-11r		A	2/11/20 revised	Account Detail by Classification and Rate Class
JDT-12r		A	2/11/20 revised	Account Inputs and Allocation Choices
JDT-13r		A	2/11/20 revised	External Allocation Factors
JDT-14r		A	1/15/20	Rate Apportionment, Proposed Rates, and Revenue Proofs
JDT-15r		A	2/11/20 revised	Demand and Procurement Charge Support
JDT-16r		A	2/11/20 revised	Detailed Customer Related Costs from COSS Model
Lorin I. Molander, Manager, Load Forecasting and Analysis				
LIM-1T	Lorin I. Molander	A	6/20/19	Direct Testimony (20 pages)
LIM-2		A	6/20/19	Professional Qualifications
LIM-3T		A	1/15/20	Rebuttal Testimony (12 pages)
Birud D. Jhaveri, Manager of Pricing and Cost of Service				
BDJ-1T	Birud D. Jhaveri	A	6/20/19	Direct Testimony (23 pages)
BDJ-2		A	6/20/19	Professional Qualifications
BDJ-3Cr		A	2/11/20 revised	***CONFIDENTIAL*** Peak Credit Analysis
BDJ-4		A	6/20/19	Electric Cost of Service
BDJ-5T		A	1/15/20	Rebuttal Testimony (17 pages)
BDJ-6r		A	2/11/20 revised	Results from Cost of Service Study Scenarios

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
John J. Spanos, Gannett Fleming Valuation and Rate Consultants, LLC, Senior Vice President				
JJS-1T	John J. Spanos	A	6/20/19	Direct Testimony (6 pages)
JJS-2		A	6/20/19	Professional Qualifications
JJS-3		A	6/20/19	2018 Depreciation Study
JJS-4T		A	1/15/20	Rebuttal Testimony (12 pages)
JJS-5		A	1/15/20	Public Counsel Response to PSE Data Request No. 018
Dr. Chun K. Chang, former PSE Regulatory Consultant in Pricing and Cost of Service				
CKC-1T	Chun K. Chang (adopted by Jon A. Piliaris)	A	6/20/19	Direct Testimony (7 pages)
CKC-2		A	6/20/19	Professional Qualifications
CKC-3		A	6/20/19	2018 Load Research Report
Joshua A. Kensok, Director FP&A and Budgeting				
JAK-1CT	Joshua A. Kensok	A	1/15/20	***CONFIDENTIAL*** Rebuttal Testimony (19 pages)
JAK-2		A	1/15/20	Professional Qualifications
JAK-3C		A	1/15/20	***CONFIDENTIAL*** 2019 GRC Rate Year Operating Income
JAK-4C		A	1/15/20	***CONFIDENTIAL*** 2019-2020 Capital Expenditures and Plant Additions
JAK-5		A	1/15/20	2014-2018 Actuals vs. Forecast Operations Expenditures, Capital Expenditures and LNG Project
Karl R. Rábago, Principal and sole employee of Rábago Energy LLC				
KRR-1Tr	Karl R. Rábago	A	1/15/20	Rebuttal Testimony (35 pages)
KRR-2		A	1/15/20	Professional Qualifications

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
KRR-3		A	1/15/20	PSE Planned Spending
Attrition Panel				
CROSS-EXAMINATION EXHIBITS				
NWEC-1X	NWEC	A	1/30/20	PSE Response to NWEC Data Request No. 030
NWEC-2X		A	1/30/20	PSE Response to NWEC Data Request No. 031
COMMISSION REGULATORY STAFF				
Jing Liu, Regulatory Analyst				
JL-1CTr	Jing Liu	A	11/22/19 Revised 12/18/19	***CONFIDENTIAL*** Responsive Testimony (78 Pages)
JL-2r		A	11/22/19 Revised 12/18/19	Electric Model
JL-3r		A	11/22/19 Revised 12/18/19	Natural Gas Model
JL-4r		A	11/22/19 Revised 1/31/20	Impact of Staff's Adjustments – Electric
JL-5r		A	11/22/19 Revised 1/31/20	Impact of Staff's Adjustments – Natural Gas
JL-6		A	11/22/19	Temperature Normalization – Electric
JL-7		A	11/22/19	Temperature Normalization Back cast – Electric
JL-8		A	11/22/19	Temperature Normalization – Natural Gas
JL-9		A	11/22/19	Temperature Normalization Back cast – Natural Gas

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
JL-10C		A	11/22/19	***CONFIDENTIAL*** Colstrip Major Maintenance Budget v. Actual v. In Rates
JL-11		A	11/22/19	Colstrip Major Maintenance 2017 2018
JL-12C		A	11/22/19	***CONFIDENTIAL*** PSE Support for Colstrip Major Maintenance 2020
JL-13C		A	11/22/19	***CONFIDENTIAL*** PSE Response to WUTC Data Request No.75 (Ronald Roberts' Response)
JL-14C		A	11/22/19	***CONFIDENTIAL*** Colstrip Common Cost Budget
JL-15C		A	11/22/19	***CONFIDENTIAL*** Colstrip O&M Budget v. Actual
JL-16		A	11/22/19	Staff's Revised Centralia PPA Equity Adder
JL-17C		A	11/22/19	***CONFIDENTIAL*** Staff Recommended Variable Power Cost
JL-18C		A	11/22/19	***CONFIDENTIAL*** PSE's Explanation of the Difference Between a Single Run and 80 Runs

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
JL-19r		A	11/22/19, Revised 12/18/19	Staff's Attrition Analysis
JL-20r		A	11/22/19, Revised 12/18/19	Attrition Base and Growth Factor Comparison
JL-21		A	11/22/19	PSE Response to AWEC Data Request 20
JL-22		A	11/22/19	PSE Response to AWEC DR 20 Revised
JL-23C		A	11/22/19	***CONFIDENTIAL*** PSE's Capital Expenditure Plan
JL-24T		A		Cross-Answering Testimony of Jing Liu (17 pages)
JL-25		A		PSE HELP Spending Details for October 2018 – September 2019 Program Year (PSE Second Revised Response to UTC Staff Data Request No. 230)
JL-26		A		PSE HELP Spending Details by Community Action Agency for the Last Three Program Years (PSE Revised Response to UTC Staff Data Request No. 231)
JL-27		A		PSE's Determination of HELP Administrative Fees (PSE Response to UTC Staff Data Request No. 232)
JL-28		A		PSE's Verification of HELP Administration Fees (PSE Response to UTC Staff Data Request No. 233)

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
JL-29		A		HELP Service Contract between PSE and Community Action Agencies (PSE Response to UTC Staff Data Request No. 234)
Cristina S. Steward, Regulatory Analyst				
CSS-1T	Cristina S. Steward	A	11/22/19	Responsive Testimony (15 pages)
CSS-2		A	11/22/19	IRS Revenue Procedure 2017-47, Safe Harbor for Inadvertent Normalization Violations
CSS-3 CSS-3 Excel		A	11/22/19	Shuffleton Property Sale Adjustment
Chris R. McGuire, Assistant Director of Energy Regulation				
CRM-1T	Chris R. McGuire	A	11/22/19	Responsive Testimony (47 pages)
CRM-2		A	11/22/19	PSE's Annual Colstrip Report, November 30, 2018
Aimee N. Higby, Regulatory Analyst				
ANH-1Tr	Aimee N. Higby	A	11/22/19, Revised 1/31/20	Responsive Testimony (42 pages)
ANH-2		A	11/22/19	Digital Innovation: Creating the Utility of the Future
ANH-3		A	11/22/19	The Future of Regulation: Principles for Regulating Emerging Technologies
ANH-4		A	11/22/19	Customer Centricity: Lynchpin of Utility Strategy
ANH-5		A	11/22/19	PSE Response to UTC Staff Data Request No. 205 (Redacted)
Jason L. Ball, Deputy Assistant Director of Energy Regulation				
JLB-1T	Jason L. Ball	A	11/22/19	Responsive Testimony (74 pages)

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
JLB-2		A	11/22/19	Excerpts from Ball Testimony in 2017 PSE GRC
JLB-3		A	11/22/19	NARUC Resolution on Modeling Energy Storage and Other Flexible Resources
JLB-4		A	11/22/19	Company's Responses to Various Data Requests
JLB-5		A	11/22/19	Excerpt from 11th Supplemental Order in PSE 1992 GRC
JLB-6		A	11/22/19	PSE 2017 Decoupling Evaluation
JLB-7		A	11/22/19	Electric Bill Impact Analysis
JLB-8		A	11/22/19	Natural Gas Bill Impact Analysis
JLB-9		A	11/22/19	Time-varying and Dynamic Rate Design, RAP
JLB-10		A	11/22/19	Experiences from Consumer Behavior Studies on Engaging Customers, DOE
JLB-11		A	11/22/19	Rate Design for the Distribution Edge, RMI
JLB-12		A	11/22/19	Innovation in the Mobile Industry
JLB-13		A	11/22/19	Digital Innovation: Creating the Utility of the Future
JLB-14		A	11/22/19	The Internet of Things: Mapping the Value Beyond the Hype
JLB-15		A	11/22/19	The Internet of Things: An Overview
JLB-16		A	11/22/19	Flexibility for 21st Century Power Systems
JLB-17		A	11/22/19	Volt-VAr Optimization Benefits
JLB-18		A	11/22/19	International Evidence on Dynamic Pricing

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JLB-19		A	11/22/19	The Status and Promise of Advanced M&V
JLB-20		A	11/22/19	Experiences of Vulnerable Customers, Lawrence Berkeley National Laboratory
JLB-21		A	11/22/19	Nexant Report on TOU Pricing Opt-In Pilot Plan
JLB-22		A	11/22/19	A Primer on Time-Variant Electricity Pricing, EDF
JLB-23		A	11/22/19	EVGO Fleet and Tariff Analysis, RMI
JLB-24		A	11/22/19	Oregon Commission Acknowledgement of PGE Pilot
JLB-25		A	11/22/19	Memo to Mayor's Office from Seattle City Light
JLB-26		A	11/22/19	Advancing the Practice of Rate Design
JLB-27		A	11/22/19	PNNL Olympic Peninsula Project
JLB-28T		A	1/15/20	Cross-Answering Testimony of Jason L. Ball (20 pages)
JLB-29		A	1/15/20	Staff Memo in Docket UG-161268
JLB-30		A	1/15/20	Staff Memo in Docket UG-180920
JLB-31		A	1/15/20	Various Data Requests
Kathi B. Scanlan, Acting Senior Resource Planning Manager, Conservation and Energy Planning				
KBS-1CT	Kathi B. Scanlan	A	11/22/19	***CONFIDENTIAL*** Responsive Testimony (18 pages)
KBS-2		A	11/22/19	Electric Green Direct Adjustment Staff-12.03

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KBS-3		A	11/22/19	Gas Green Direct Adjustment Staff-12.03
KBS-4		A	11/22/19	PSE Responses to Staff Data Request Nos. 071 and 123
KBS-5C		A	11/22/19	***CONFIDENTIAL*** PSE Response to Staff Data Requests Nos. 094, 095C, and 096C
KBS-6		A	11/22/19	PSE Response to Staff Data Request Nos. 182 and 183
KBS-7		A	11/22/19	PSE Responses to Staff Data Request Nos. 097 and 106
David C. Gomez, Assistant Power Supply Manager				
DCG-1CTr	David C. Gomez	A	11/22/19, Revised 12/11/19	***CONFIDENTIAL*** Responsive Testimony (46 pages)
DCG-2		A	11/22/19	PSE's SEC Form 10-K filing for December 31, 2018
DCG-3		A	11/22/19	Colstrip Units 3 & 4 Particulate Matter (PM) Levels
DCG-4		A	11/22/19	Idaho PUC Case No. AVU-E-17-01, Direct Testimony of Dr. Ezra D. Hausman, Sierra Club
DCG-5		A	11/22/19	Sologic RCA UE-190324 PSE Resp. to Staff Inf. DR Nos. 3 and 10
DCG-6		A	11/22/19	State of Montana; State Implementation Plan and Regional Haze Federal Implementation Plan (FIP)
DCG-7		A	11/22/19	State of Montana Regional Haze 5-Year Report MDEQ Aug. 2017

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
DCG-8		A	11/22/19	Section 17 Colstrip Unit 3 and 4 Ownership and Operation Agreement
DCG-9		A	11/22/19	Colstrip Units 3 & 4 NOx Emissions, US Environmental Protection Agency, Clean Air Markets Division (CAMD)
DCG-10		A	11/22/19	Colstrip Units 3 & 4 Amended Restated Coal Supply Agreement (ARCSA) Section 7.1
DCG-11		A	11/22/19	Testimony Exhibit, Mark Taylor; Talen SB 252
DCG-12		A	11/22/19	Montana Governor Bullock Veto SB 252
DCG-13		A	11/22/19	MDEQ Major Facility Siting Act Certificate Amendment May 10, 2019
DCG-14		A	11/22/19	MDEQ Montana Air Quality Permit #0513-11 March 13, 2019
DCG-15		A	11/22/19	Record of Decision, Rosebud Mine Area F Federal Mining Plan, OSMRE June 2019
DCG-16		A	11/22/19	PSE 2017 IRP Acknowledgement Letter July 8, 2019
DCG-17		A	11/22/19	PSE Paul Wetherbee Response to Staff DR No. 75
DCG-18		A	11/22/19	PSE Response to Staff Data Request No. 57
DCG-19		A	11/22/19	PSE's Response to Staff DR No. 173; Colstrip Units 3 & 4 Coal Contract
DCG-20		A	11/22/19	PSE Response to Staff DR No. 174; Colstrip Units 3 & 4 Coal Contract

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
DCG-21		A	11/22/19	PSE's Response to Staff DR No. 159 Fixed-Pipeline Costs (redacted)
DCG-22		A	11/22/19	PSE's 2017 IRP, Chapter 7 Gas Analysis
DCG-23		A	11/22/19	Avista GRC, Docket No. UE-190334; Response Testimony of Avi Allison
DCG-24		A	11/22/19	UE-960195 Fourteenth Supplemental Order, Appendix A
DCG-25		A	11/22/19	PSE Response to Staff DR No. 70
DCG-26C		A	11/22/19	***CONFIDENTIAL*** 2016 Vaisala Operational Reforecast; Hopkins Ridge, Wild Horse, Wild Horse Expansion and Lower Snake River
DCG-27C		A	11/22/19	***CONFIDENTIAL*** Generation Forecasts of PSE's Wind Resources
DCG-28		A	11/22/19	U.S. DOE, Office of Energy Efficiency & Renewable Energy, 2018 Wind Technologies Market Report
DCG-29		A	11/22/19	PSE response to Staff DR No. 171; Tacoma LNG
CROSS-EXAMINATION EXHIBITS				
DCG-30X	Puget Sound Energy	A		Testimony of David C. Gomez (DCG-1T) in Docket UE-190882 addressing Colstrip Outage capital costs (excerpt)

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
DCG-31X		A		Staff Work Paper Colstrip Outage Revised Adjustment (2 pages)
David C. Parcell, Principal and Senior Economist, Technical Associates, Inc.				
DCP-1T	David C. Parcell	A	11/22/19	Responsive Testimony (52 pages)
DCP-2		A	11/22/19	Background and Experience Profile
DCP-3		A	11/22/19	Puget Sound Energy Total Cost of Capital
DCP-4		A	11/22/19	Economic Indicators
DCP-5		A	11/22/19	Electric Utility Rate Cases where ROE was Determined in 2017-2018 and ROE Awards in Prior Cases
DCP-6		A	11/22/19	Puget Sound Energy History of Credit Ratings
DCP-7		A	11/22/19	Puget Sound Energy Capital Structure Ratios
DCP-8		A	11/22/19	Proxy Companies Average Common Equity Ratios
DCP-9		A	11/22/19	Proxy Companies Basis for Selection
DCP-10		A	11/22/19	Proxy Companies DCF Cost Rates
DCP-11		A	11/22/19	Standard & Poor's 500 ROE and 20-Year Treasury Bond Returns
DCP-12		A	11/22/19	Proxy Companies CAPM Cost Rates
DCP-13		A	11/22/19	Proxy Companies ROE and M/B
DCP-14		A	11/22/19	Standard & Poor's 500 ROE and M/B
DCP-15		A	11/22/19	Risk Indicators

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
David J. Panco, Regulatory Analyst				
DJP-1T	David J. Panco	A		Cross-Answering Testimony of David J. Panco (11 pages)
James T. Woodward, Regulatory Analyst				
JTW-1T	James T. Woodward	A		Cross-Answering Testimony of James T. Woodward (14 pages)
JTW-2		A		NWEC Response to Staff Data Request No. 3
PUBLIC COUNSEL				
Paul Alvarez, President of the Wired Group				
PJA-1T	Paul Alvarez	A	11/22/19	Responsive Testimony (29 pages)
PJA-2		A	11/22/19	Qualifications / Curriculum Vitae
PJA-3		A	11/22/19	Calculation of Carrying Charges on Legacy Equipment
PJA-4		A	11/22/19	Puget Sound Energy Response to Public Counsel Data Request No. 70 (First Revised Response)
PJA-5		A	11/22/19	Puget Sound Energy Response to Public Counsel Data Request No. 146, Attachment A
PJA-6		A	11/22/19	Puget Sound Energy Response to Public Counsel Data Request No. 85
PJA-7		A	11/22/19	Puget Sound Energy Response to Public Counsel Data Request No. 23
PJA-8T		A	1/15/20	Cross-Answering Testimony (9 pages)

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Susan Baldwin, Independent Consultant				
SMB-1CT	Susan Baldwin	A	11/22/19	***CONFIDENTIAL*** Responsive Testimony (52 pages)
SMB-2		A	11/22/19	Qualifications / CV
SMB-3		A	11/22/19	PSE Response to Public Counsel Data Request No. 103
SMB-4		A	11/22/19	PSE Response to Public Counsel Data Request No. 101
SMB-5		A	11/22/19	PSE Response to The Energy Project Data Request 12
SMB-6		A	11/22/19	PSE Response to Public Counsel Data Request No. 113
SMB-7		A	11/22/19	PSE Response to Public Counsel Data Request Nos. 110 and 111
SMB-8		A	11/22/19	PSE Response to Public Counsel Data Request No. 121, Attachment A
SMB-9		A	11/22/19	PSE Response to Public Counsel Data Request No. 108, Attachment A
SMB-10		A	11/22/19	PSE Response to Public Counsel Data Request No. 104
SMB-11C		A	11/22/19	***CONFIDENTIAL*** PSE Response to Public Counsel Data Request No. 101, Attachment A
SMB-12		A	11/22/19	PSE Response to Public Counsel Data Request No. 138
SMB-13		A	11/22/19	PSE Response to Public Counsel Data Request No. 116, Attachments A and B
SMB-14		A	11/22/19	PSE Response to Public Counsel Data Request No. 105

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
SMB-15C		A	11/22/19	***CONFIDENTIAL*** PSE Response to Public Counsel Data Request No. 210, Attachment A
SMB-16		A	11/22/19	PSE Response to Public Counsel Data Request No. 227, Revised Supplement
SMB-17		A	11/22/19	PSE Response to Public Counsel Data Request No. 129
SMB-18		A	11/22/19	PSE Response to Public Counsel Data Request No. 143
SMB-19		A	11/22/19	PSE Response to Public Counsel Data Request No. 144, Attachment A
SMB-20		A	11/22/19	PSE Response to Public Counsel Data Request No. 107
SMB-21		A	11/22/19	PSE Response to Public Counsel Data Request No. 122
SMB-22		A	11/22/19	PSE Response to Public Counsel Data Request No. 218, Attachment A
SMB-23		A	11/22/19	PSE Response to Public Counsel Data Request No. 226
SMB-24		A	11/22/19	PSE Response to Public Counsel Data Request No. 145, Attachment E
SMB-25		A	11/22/19	GTZ Test Year and Rate Year Costs
Mark E. Garrett, President of Garrett Group Consulting, Inc.				
MEG-1T	Mark Garrett	A	11/22/19	Responsive Testimony (70 pages)
MEG-2		A	11/22/19	Qualifications / Curriculum of Mark E. Garrett
MEG-3r		A	11/22/19 Revised 12/12/19	Electric Revenue Requirement

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MEG-4r		A	12/12/19	Revised Natural Gas Revenue Requirement
MEG-5		A	11/22/19	State Commission Orders
MEG-6		A	11/22/19	Puget Sound Energy Response to WUTC Staff Data Request No. 67
Glenn A. Watkins, President and Senior Economist with Technical Associates, Inc.				
GAW-1T	Glenn A. Watkins	A	11/22/19	Responsive Testimony (63 pages)
GAW-2		A	11/22/19	Background & Experience Profile
GAW-3C		A	11/22/19	***CONFIDENTIAL*** PSE Wind/Hydro Production during Peak Hours
GAW-4C		A	11/22/19	***CONFIDENTIAL*** Assignment of Capital Costs to Hours for Probability of Dispatch
GAW-5		A	11/22/19	Assignment of Hourly Costs to Classes for Probability of Dispatch
GAW-6		A	11/22/19	PSE Probability of Dispatch Class Cost of Service Study
GAW-7		A	11/22/19	PSE Base-Intermediate-Peak Classification
GAW-8		A	11/22/19	PSE Base-Intermediate-Peak Class Cost of Service Study
GAW-9		A	11/22/19	Electric Residential Customer Cost Analysis
GAW-10		A	11/22/19	PSE Change in Mains Allocation from “Compromise” to PSE Proposed Approach
GAW-11		A	11/22/19	Natural Gas Residential Customer Cost Analysis

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GAW-12		A	11/22/19	PSE Responses to Public Counsel Data Request Nos. 157, 162, 163, 164, 168, 170, and 172
GAW-13CT		A	1/15/20	***CONFIDENTIAL*** Cross-Answering Testimony (22 pages)
GAW-14C		A	1/15/20	***CONFIDENTIAL*** Output and Capacity Factors of Wind and Hydro
J. Randall Woolridge, Professor of Finance at Pennsylvania State University				
JRW-1T	J. Randall Woolridge	A	11/22/19	Responsive Testimony (92 pages)
JRW-2		A	11/22/19	Qualifications of J. Randall Woolridge, Ph.D.
JRW-3		A	11/22/19	Recommended Cost of Capital
JRW-4		A	11/22/19	Summary Financial Statistics for Proxy Group
JRW-5		A	11/22/19	Capital Structure and Debt Cost Rate
JRW- 6		A	11/22/19	The Relationship Between Estimated ROE and Market-to-Book Ratios
JRW-7		A	11/22/19	Utility Capital Cost Indicators
JRW-8		A	11/22/19	DCF Model
JRW-9		A	11/22/19	DCF Study
JRW-10		A	11/22/19	CAPM Study
JRW- 11		A	11/22/19	PSE's Rate of Return Recommendation
JRW-12		A	11/22/19	GDP and S&P 500 Growth Rates
JRW-13T		A	1/15/20	Cross-Answer Testimony (20 pages)
JRW-14		A	1/15/20	Comparison Table

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
Carla Colamonici, Regulatory Analyst				
CAC-1CT	Carla Colamonici (Adopted by Sarah E. Laycock)	A	11/22/19	***CONFIDENTIAL*** Responsive Testimony (22 pages)
CAC-2		A	11/22/19	Puget Sound Energy Response to Public Counsel Data Request No. 97
CAC-3		A	11/22/19	Puget Sound Energy Response to Public Counsel Data Request No. 94, Attachment A.
CAC-4		A	11/22/19	Puget Sound Energy Response to Public Counsel Data Request No. 93 with Attachment A, No. 96 with Attachment A, and 178
CAC-5		A	11/22/19	Puget Sound Energy Response to Public Counsel Response No. 176
CAC-6		A	11/22/19	Puget Sound Energy Response to Public Counsel Response No. 91
CAC-7		A	11/22/19	Puget Sound Energy Response to WUTC Staff Data Request No. 94
CAC-8C		A	11/22/19	***CONFIDENTIAL*** Puget Sound Energy Response to WUTC Staff Data Request No. 95
CAC-9C		A	11/22/19	***CONFIDENTIAL*** Puget Sound Energy Response to WUTC Staff Data Request No. 96
CAC-10		A	11/22/19	Puget Sound Energy Response to WUTC Staff Data Request No. 97

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
Sarah E. Laycock, Regulatory Analyst				
SEL-1T	Sarah E. Laycock	A	1/30/20	Response Testimony (3 pages)
AWEC				
Michael P. Gorman, Consultant and Managing Principal of Brubaker & Associates, Inc.				
MPG-1T	Michael P. Gorman	A	11/22/19	Responsive Testimony (20 pages)
MPG-2		A	11/22/19	Qualifications
MPG-3		A	11/22/19	Change in Rate Base and Depreciation
MPG-4		A	11/22/19	Credit Metrics Comparison
Bradley G. Mullins, Independent Energy and Utilities Consultant				
BGM-1T	Bradley G. Mullins	A	11/22/19	Responsive Testimony (45 pages)
BGM-2		A	11/22/19	Regulatory Appearances of Bradley G. Mullins
BGM-3		A	11/22/19	Electric Service Revenue Requirement
BGM-4		A	11/22/19	Gas Service Revenue Requirement
BGM-5		A	11/22/19	Responses to Data Requests
BGM-6		A	11/22/19	TCJA Normalization Requirements
BGM-7		A	11/22/19	Normalization Demonstration
BGM-8T		A	1/15/20	Cross-Answering Testimony (16 pages)
BGM-9r		A	2/10/20 revised	Electric Service Cross- Answering Revenue Requirement
BGM-10r		A	2/10/20 revised	Gas Service Cross-Answering Revenue Requirement

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NUMBER	SPONSOR(S)	A/R	DATE	DESCRIPTION
BGM-11C		A	1/15/20	***CONFIDENTIAL*** Response to AWEC Data Request 50
BGM-12		A	1/15/20	Revisions and Responses to Data Requests
BGM-13C		A	1/15/20	***CONFIDENTIAL*** Colstrip Retirement Accounting Tables
Brian C. Collins, Principal of Brubaker & Associates, Inc.				
BCC-1T	Brian C. Collins	A	1/15/20	Cross-Answering Testimony (12 pages)
BCC-2		A	1/15/20	Professional Qualifications
NWEC				
Amy E. Wheelless, Policy Associate, NWEC				
AEW-1T	Amy E. Wheelless	A	11/22/19	Direct Testimony (23 pages)
AEW-2		A	11/22/19	PSE Response to NWEC Data Request No. 007, Attachment B
AEW-3		A	11/22/19	PSE Response to NWEC Data Request No. 002, Attachment A
AEW-4		A	11/22/19	PSE Response to NWEC Data Request No. 018, Attachment A
AEW-5		A	11/22/19	PSE Response to NWEC Data Request No. 002, Attachment D
AEW-6		A	11/22/19	In re Revision to Tariff WN U-2 to Establish a New Line Extension Policy, Docket No. UG-161268, PSE Cover Letter (Dec. 6, 2016)

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AEW-7		A	11/22/19	In re Investigation of Natural Gas Distribution Infrastructure Expansion, Docket No. UG-143616, Comments of Avista Utilities (Sept. 17, 2015)
AEW-8		A	11/22/19	In re Investigation of Natural Gas Distribution Infrastructure Expansion, Docket No. UG-143616, Presentation by Avista Utilities (Sept. 23, 2015)
AEW-9		A	11/22/19	PSE Response to Staff Data Request No. 015, Attachment A
AEW-10		A	11/22/19	PSE Response to Staff Data Request No. 215, Attachment A
AEW-11		A	11/22/19	PSE Response to NWEC Data Request No. 009
AEW-12		A	11/22/19	PSE Response to NWEC Data Request No. 015, Redacted Version
Wendy M. Gerlitz, Policy Associate at the NW Energy Coalition				
WMG-1T	Wendy M. Gerlitz	A	11/22/19	Direct Testimony (23 pages)
WMG-2		A	11/22/19	PSE Response to AWEC Data Request No. 016
WMG-3		A	11/22/19	PSE Response to NWEC Data Request No. 026
WMG-4		A	11/22/19	PSE Response to NWEC Data Request No. 014 Attach A; Financing RFI's, PSE RFI Craft 3 Response 053017

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WMG-5		A	11/22/19	Clean Energy Works, What is Inclusive Financing and Why Are Some of the Largest States in the Country Calling for it Now?
The Energy Project				
Shawn M. Collins, Director of The Energy Project				
SMC-1T	Shawn M. Collins	A	11/22/19	Responsive Testimony (31 pages)
SMC-2		A	11/22/19	Professional Qualifications
The Federal Executive Agencies				
Ali Al-Jabir, Energy Advisor and Associate with Brubaker & Associates, Inc.				
AZA-1T	Ali Al-Jabir	A	11/22/19	Responsive Testimony (46 pages)
AZA-2		A	11/22/19	Professional Qualifications
AZA-3		A	11/22/19	Cost of Service Study Results – Parity Ratios
AZA-4		A	11/22/19	Electric Class Cost of Service Study Results at Present and Company Proposed Rates Under the Company’s Cost of Service Study
AZA-5		A	11/22/19	FEA’s Proposed Electric Revenue Distribution
AZA-6T		A	1/15/20	Cross-Answering Testimony (24 pages)
AZA-7		A	1/15/20	Comparison of Basis Differential Under Various Revenue Allocation Proposals

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The Kroger Co.				
Kevin C. Higgins, Principal at Energy Strategies, LLC.				
KCH-1T	Kevin C. Higgins	A	11/22/19	Responsive Testimony (20 pages)
KCH-2		A	11/22/19	Comparison of PSE Proposed Rate Spread
KCH-3T		A	1/15/20	Cross-Answering Testimony (12 pages)