

EXHIBIT LIST
Colstrip Outage Investigation
Docket UE-190882

NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
BENCH EXHIBITS				
BR-1CC		A	02/20/20	Response to Bench Request No. 1
AVISTA				
PATRICK D. EHRBAR, Avista, Director of Regulatory Affairs				
PDE-1T	Patrick D. Ehrbar	A	03/29/19	Prefiled Direct Testimony (Originally filed in Docket UE-190222) (11 Pages)
CROSS-EXAMINATION EXHIBITS				
THOMAS C. DEMPSEY, Avista, Thermal Operations and Maintenance Manager				
TCD-1T	Thomas C. Dempsey	A	03/29/19	Prefiled Direct Testimony (Originally filed in Docket UE-190222) (15 Pages)
TCD-2	Thomas C. Dempsey	A	03/29/19	Letter from MDEQ to Talen, Request for Information with Mercury & Air Toxics Standard, Dated 08/31/18 (Originally filed in Docket UE-190222) (2 Pages)
TCD-3	Thomas C. Dempsey	A	03/29/19	Response Letter from Talen to MDEQ, Related to Compliance with Mercury Air Toxics Standard for Colstrip, Dated 09/17/18 (Originally filed in Docket UE-190222) (8 Pages)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
TCD-4T (renumbered from TCD-1T)	Thomas C. Dempsey	A	01/23/20	Rebuttal Testimony (25 pages)
CROSS-EXAMINATION EXHIBITS				
TCD-5CCX	Public Counsel	A	02/07/20	Avista's Response to Public Counsel Data Request 329CC (01/31/20) (1 page)
WILLIAM G. JOHNSON, Avista, Wholesale Marketing Manager, Energy Resources Department				
WGJ-1T	William G. Johnson	A	03/29/19	Prefiled Direct Testimony (Originally Filed in Docket UE-190222) (19 Pages)
WGJ-2T (renumbered from WGJ-1T)	William G. Johnson	A	01/23/20	Rebuttal Testimony (6 pages)
WGJ-3 (renumbered from WGJ-2)	William G. Johnson	A	01/23/20	Colstrip Outage and Derate Incremental Expense July and August Outage and Derate versus March and April Outage and Derate (1 page)
CROSS-EXAMINATION EXHIBITS				
WGJ-4X	Public Counsel	A	02/07/20	Avista's Response to Public Counsel Data Request 322 (1 page)

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PACIFIC POWER				
WILDING, MICHAEL G., Pacific Power, Director, Net Power Costs and Regulatory Policy				
MGW-1T	Michael G. Wilding	A	06/03/19	Prefiled Direct Tesitmony (Originally Filed in Docket UE-190458) (16 pages)
MGW-2.xls	Michael G. Wilding	A	06/03/19	2018 PCAM Deferral Calculation (2 pages)
MGW-3CCT	Michael G. Wilding	A	01/23/20	Rebuttal Testimony (13 pages)
CROSS-EXAMINATION EXHIBITS				
MGW-4X	Public Counsel	A	02/07/20	Pacific Power's Response to Public Counsel Data Request 350 (1 page)
TACK, CHARLES L., Pacific Power, Managing Director of Generation Support				
CLT-1CCT CLT-1CCTr	Charles L. Tack	A	12/05/19 02/07/20	Direct Supplemental Testimony (Revised 02/07/20) (19 pages)
CLT-2CC CLT-2CCr	Charles L. Tack	A	12/05/19 02/07/20 02/18/20	Selected Excerpts from the Colstrip Operating and Ownership Agreement (Company Confidential) (Revised 02/07/20, 02/18/20) (13 pages)
CLT-3C CLT-3Cr	Charles L. Tack	A	12/05/19 02/07/20	Shared Units Weekly Status Report (Confidential) (Revised 02/07/20) (11 pages)
CLT-4r	Charles L. Tack	A	12/05/19 02/07/20 02/14/20	2017 MATS PM Data Results Slide (Revised 02/07/20) (fully disclosed 02/14/20) (1 page)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
CLT-5CC CLT-5CCr	Charles L. Tack	A	12/05/19 02/07/20	Internal Email from Talen (Company Confidential) (Revised 02/07/20) (2 pages)
CLT-6CC CLT-6CCr	Charles L. Tack	A	12/05/19 02/07/20	Description of Talen's activities to track MATS PM level after February 2018 (Company Confidential) (Revised 02/07/20) (5 pages)
CLT-7CC CLT-7CCr	Charles L. Tack	A	12/05/19 02/07/20	Spreadsheet used by Talen to track alternate indicators (Company Confidential) (Revised 02/07/20) (1 page)
CLT-8r	Charles L. Tack	A	12/05/19 02/07/20 02/14/20	E-mail notification to MDEQ (Revised 02/07/20) (fully disclosed 02/14/20) (1 page)
CLT-9CC CLT-9CCr	Charles L. Tack	A	12/05/19 02/07/20	Timeline of the Colstrip Outage (Company Confidential) (Revised 02/07/20) (6 pages)
CLT-10CC CLT-10CCr	Charles L. Tack	A	12/05/19 02/07/20	Root Cause Analysis (Company Confidential) (Revised 02/07/20) (16 pages)
CLT-11	Charles L. Tack	A	12/05/19	MDEQ Consent Decree Stipulation (22 pages)
CLT-12	Charles L. Tack	A	12/05/19	MDEQ Penalty Assessment (8 pages)
CLT-13	Charles L. Tack	A	12/05/19	MDEQ Press Release (1 page)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
CLT-14CCT	Charles L. Tack	A	01/23/20	Rebuttal Testimony (19 pages)
CLT-15	Charles L. Tack	A	01/23/20 02/14/20	MATS PM Results and Trends in the Alternate Indicators (fully disclosed 02/14/20) (4 pages)
CROSS-EXAMINATION EXHIBITS				
CLT-16CCX	Public Counsel	A	02/07/20	Pacific Power Response to Public Counsel Data Request 345 (02/04/20) (1 page)
CLT-17CCX	Public Counsel	A	02/07/20	Pacific Power Response to Public Counsel Data Request 346 (02/04/20) (1 page)
PUGET SOUND ENERGY				
FREE, SUSAN E., PSE, Director of Revenue Requirements and Regulatory Compliance				
SEF-1T	Susan E. Free	A	04/30/19	Prefiled Direct Testimony (Originally Filed in Docket UE-190324) (12 pages)
SEF-2	Susan E. Free	A	04/30/19	Professional Qualifications (Originally Filed in Docket UE-190324) (2 pages)
SEF-3 .xls	Susan E. Free	A	04/30/19	PCA Annual Report (Originally Filed in Docket UE-190324) (10 pages)
SEF-4T	Susan E. Free	A	01/23/20	Rebuttal Testimony (10 pages)
SEF-5 .xls	Susan E. Free	A	01/23/20	Revised 2018 Annual Report - \$11.7 million (1 page)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
SEF-6 .xls	Susan E. Free	A	01/23/20	Revised 2018 Annual Report - \$17.4 million (1 page)
CROSS-EXAMINATION EXHIBITS				
ROBERTS, RONALD J., PSE, Director of Generation and Natural Gas Storage				
RJR-1T	Ronald J. Roberts	A	04/30/19	Prefiled Direct Testimony (Originally Filed in Docket UE-190324) (7 pages)
RJR-2	Ronald J. Roberts	A	04/30/19	Professional Qualifications (Originally Filed in Docket UE-190324) (2 pages)
RJR-3	Ronald J. Roberts	A	04/30/19	Colstrip Units 3 & 4 MATS PM Compliance 2016-2018 (Originally Filed in Docket UE-190324) (2 pages)
RJR-4CCT	Ronald J. Roberts	A	01/23/20	Rebuttal Testimony (25 pages)
RJR-5	Ronald J. Roberts	A	01/23/20	Colstrip Units 3 & 4 2018 2nd Quarter MATS Test Report (107 pages)
RJR-6	Ronald J. Roberts	A	01/23/20	Excerpt from Colstrip Operating Permit - CAM Plan (11 pages)
RJR-7	Ronald J. Roberts	A	01/23/20	MDEQ Decision (8 pages)
CROSS-EXAMINATION EXHIBITS				
RJR-8X	Public Counsel	A	02/07/20	PSE Response to Public Counsel Data Request 332 (2 pages)

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RJR-9CCX	Public Counsel	A	02/07/20	PSE Response to Public Counsel Data Request 333CC (2 pages)
RJR-10CCX	Public Counsel	A	02/07/20	PSE Response to Public Counsel Data Request 334CC (2 pages)
RJR-11CCX	Public Counsel	A	02/07/20	PSE Response to Public Counsel Data Request 335CC (2 pages)
RJR-12CCX	Public Counsel	A	02/07/20	PSE Response to Public Counsel Data Request 337CC (2 pages)
RJR-13X	Public Counsel	A	02/07/20	PSE Response to Public Counsel Data Request 338 (1 page)
RJR-14X	Public Counsel	A	02/07/20	PSE Response to Public Counsel Data Request 339 (2 pages)
RJR-15CCX	Public Counsel	A	02/07/20	PSE Response to Public Counsel Data Request 341CC (2 pages)
WETHERBEE, PAUL K., PSE, Director, Energy Supply Merchant				
PKW-1CT PKW-1CTr	Paul K. Wetherbee	A	04/30/19 11/13/19	Prefiled Direct Testimony (Originally Filed in Docket UE-190324) (Revised 11/13/19) (20 pages)
PKW-2	Paul K. Wetherbee	A	04/30/19	Professional Qualifications (Originally Filed in Docket UE-190324) (2 pages)
PKW-3	Paul K. Wetherbee	A	04/30/19	July and August Power and Gas Prices (Originally Filed in Docket UE-190324)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
PKW-4C	Paul K. Wetherbee	A	04/30/19	July 2018 Portfolio Exposure (Originally Filed in Docket UE-190324)
PKW-5C	Paul K. Wetherbee	A	04/30/19	August 2018 Portfolio Exposure (Originally Filed in Docket UE-190324)
PKW-6T	Paul K. Wetherbee	A	01/23/20	Rebuttal Testimony (8 pages)
PKW-7	Paul K. Wetherbee	A	01/23/20	PSE's First Revised Response to WUTC Staff Informal Data Request No. 1 (6 pages)
PKW-8CC.xls	Paul K. Wetherbee	A	01/23/20	Replacement Power Costs for Colstrip 3 & 4 Outage (2 pages)
CROSS-EXAMINATION EXHIBITS				
COMMISSION REGULATORY STAFF				
DAVID C. GOMEZ, Staff, Assistant Power Supply Manager in the Energy Section of the Regulatory Services Division				
DCG-1CCT	David C. Gomez	A	01/10/20	Responsive Testimony (64 pages)
DCG-2	David C. Gomez	A	01/10/20	Staff email, dated January 17, 2019, Annual Power Cost Reviews (1 page)
DCG-3	David C. Gomez	A	01/10/20	Talen MT, De Minimis Notification and MDEQ Response; Tinum Refined Coal System, January 4, 2018 (51 pages)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
DCG-4	David C. Gomez	A	01/10/20	Colstrip Units 3 and 4 Particulate Matter Levels (1 page)
DCG-5	David C. Gomez	A	01/10/20	Montana DEQ vs. Talen Montana, LLC, Complaint & Application for Injunction, dated November 25, 2019 (39 pages)
DCG-6	David C. Gomez	A	01/10/20	Avista's Response to Staff DR No. 4 (9 pages)
DCG-7	David C. Gomez	A	01/10/20	Avista's Confidential Response to Staff DR No. 5 (3 pages)
DCG-8	David C. Gomez	A	01/10/20	Pacific Power's Response to Staff DR No. 5 (23 pages)
DCG-9	David C. Gomez	A	01/10/20	PSE's Response to Staff Informal DR No. 6 (2 pages)
DCG-10CC	David C. Gomez	A	01/10/20	Avista's Confidential Response to Staff DR No. 8 (11 pages)
DCG-11	David C. Gomez	A	01/10/20	MEIC vs. Dept. of Interior, Complaint for Declaratory and Injunctive Relief (32 pages)
DCG-12CC	David C. Gomez	A	01/10/20	Avista's Confidential Response to Staff DR No. 62 (4 pages)
DCG-13	David C. Gomez	A	01/10/20	Tinum Operator Job Posting, Colstrip MT (3 pages)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
DCG-14CC	David C. Gomez	A	01/10/20	Units 3&4 Mine Operating Committee (MOC) Meeting Notes (3 pages)
DCG-15	David C. Gomez	A	01/10/20	Pacific Power's response to Staff DR Nos. 8 and 9 (3 pages)
DCG-16CC	David C. Gomez	A	01/10/20	Confidential Attachment to Pacific Power's 1st Supplemental Response to Staff DR No. 8 (PCAM) (8 pages)
DCG-17CC	David C. Gomez	A	01/10/20	Avista's response to Staff DR No. 303 Corrected (4 pages)
DCG-18	David C. Gomez	A	01/10/20	Excerpts from 2018 Second Qtr. MATS Filterable Particulate Matter (FPM) Test Report Colstrip Units 3 & 4 (11 pages)
DCG-19	David C. Gomez	A	01/10/20	2018 Colstrip Monthly Generation vs Mid-C Prices (1 page)
DCG-20	David C. Gomez	A	01/10/20	Northern Cheyenne Tribe, Office of the President Letter to Talen, dated July 25, 2018 (2 pages)
DCG-21CC	David C. Gomez	A	01/10/20	Colstrip Plant – Units 3 & 4 Monthly Executive Summaries 2018, Attachment to Avista's Supplemental Response to Staff DR No. 62, dated August 2, 2019 (10 pages)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
DCG-22	David C. Gomez	A	01/10/20	Declaration of David C. Gomez, filed September 26, 2019 (14 pages)
DCG-23	David C. Gomez	A	01/10/20	PSE's Response to UTC Staff Data Request No. 314 (1 page)
DCG-24	David C. Gomez	A	01/10/20	Pacific Power's Response to UTC Staff Data Request No. 314 (4 pages)
DCG-25CC	David C. Gomez	A	01/10/20	MDEQ Draft penalty calculation worksheet. UE-190222, Avista's responses to UTC Staff Informal Data Request No. 8, Confidential Attachment I (6 pages)
DCG-26CC	David C. Gomez	A	01/10/20	Talen and MDEQ settlement negotiations. UE-190222, Avista's responses to UTC Staff Informal Data Request No. 8, Confidential Attachment I (28 pages)
CROSS-EXAMINATION EXHIBITS				
DCG-27CCX	Pacific Power	A	02/07/20	Staff's Response to PacifiCorp Data Request 3 (Feb. 4, 2020) (1 page)
DCG-28CCX	Pacific Power	A	02/07/20	Staff's Response to PacifiCorp Data Request 4 (Feb. 4, 2020) (1 page)
DCG-29CCX	Pacific Power	A	02/07/20	Staff's Response to PacifiCorp Data Request 5 (Feb. 4, 2020) (2 pages)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
DCG-30CCX	Pacific Power	A	02/07/20	Staff's Response to PacifiCorp Data Request 6 (Feb. 4, 2020) (1 page)
DCG-31CCX	Pacific Power	A	02/07/20	Staff's Response to PacifiCorp Data Request 7 (Feb. 4, 2020) (1 page)
DCG-32X	Pacific Power	A	02/07/20	Staff's Response to PacifiCorp Data Request 10 (Feb. 4, 2020) (1 page)
DCG-33X	Pacific Power	A	02/07/20	Staff's Response to PacifiCorp Data Request 11 (Feb. 4, 2020) (1 page)
DCG-34X	Pacific Power	A	02/07/20	Staff's Response to PacifiCorp Data Request 12 (Feb. 4, 2020) (6 pages)
DCG-35X	Pacific Power	A	02/07/20	North American Electric Reliability Corporation Generation Availability Data System 2015-2018 Generating Unit Statistical Brochure – All Units Reporting (2 pages)
PUBLIC COUNSEL				
AVI ALLISON, Synapse Energy Economics, Incorporated, Senior Associate				
AA-1CT AA-1CCT	Avi Allison	A	01/10/20	Responsive Testimony (24 pages)
AA-2	Avi Allison	A	01/10/20	Resume of Avi Allison (5 pages)

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NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
AA-3 .xls	Avi Allison	A	01/10/20	Avista Response to Public Counsel Data Request No. 134, Attachment A (Dockets UE-190334, UG-190335, and UE-190222) (2 pages)
AA-4C .xls Att. A	Avi Allison	A	01/10/20	Puget Sound Energy Revised Response to Staff Data Request No. 5, Attachment A, Tab "Variance Analysis" (Docket UE-190324) (11 pages)
AA-5C .xls Att. B .xls Att. C	Avi Allison	A	01/10/20	Avista Supplemental Response to Public Counsel Data Request No. 113, Attachments B and C (Dockets UE-190334, UG-190335, and UE-190222) (10 pages)
AA-6 .xls Att. A	Avi Allison	A	01/10/20	Avista Response to Staff Data Request No. 8, Attachment A (Dockets UE-190334, UG-190335, and UE-190222) (14 pages)
AA-7CC	Avi Allison	A	01/10/20	Avista Response to Public Counsel Data Request No. 138, Attachment D (Dockets UE-190334, UG-190335, and UE-190222) (8 pages)
AA-8	Avi Allison	A	01/10/20	PacifiCorp Response to Public Counsel Data Request No. 316 (2 pages)

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AA-9 .xls	Avi Allison	A	01/10/20	Avista Workpaper "190222-AVA-Other Variance Calculation.xlsx" (82 pages)
AA-10	Avi Allison	A	01/10/20	Avista Response to Staff Data Request No. 5 (Docket UE-190222) (3 pages)
AA-11CC	Avi Allison	A	01/10/20	Avista Response to Staff Data Request No. 62C Supplemental (Docket UE- 190222) (4 pages)
AA-12	Avi Allison	A	01/10/20	Avista Response to Public Counsel Data Request No. 120 (Docket UE-190222) (1 page)
AA-13	Avi Allison	A	01/10/20	Puget Sound Energy Response to Staff Data Request No. 24 and Staff Data Request No. 6 (Docket UE-190324) (3 pages)
AA-14	Avi Allison	A	01/10/20	Puget Sound Energy Response to Staff Data Request No. 3 (5 pages)
CROSS-EXAMINATION EXHIBITS				
AA-15X	Pacific Power	A	02/07/20	Public Counsel's Response to PacifiCorp Data Request 2 (Feb. 4, 2020) (1 page)
AA-16X	Pacific Power	A	02/07/20	Public Counsel's Response to PacifiCorp Data Request 3 (Feb. 4, 2020) (1 page)

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AA-17CCX	Pacific Power	A	02/07/20	Public Counsel's Response to PacifiCorp Data Request 4 (Feb. 4, 2020) (1 page)
AA-18CCX	Pacific Power	A	02/07/20	Public Counsel's Response to PacifiCorp Data Request 5 (Feb. 4, 2020) (1 page)
AA-19CCX	Pacific Power	A	02/07/20	Avista Corp.'s Response to Public Counsel Data Request 324 (Jan. 31, 2020) (2 pages)
AA-20CCX	Pacific Power	A	02/07/20	Puget Sound Energy's Response to Public Counsel Data Request 341 (Feb. 6, 2020) (2 pages)