

**EXH. PKW-8CC
DOCKET UE-190882
WITNESS: PAUL K. WETHERBEE**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**In the Matter of the Investigation of
AVISTA CORPORATION d/b/a AVISTA
UTILITIES, PUGET SOUND ENERGY,
and PACIFIC POWER & LIGHT
COMPANY
Regarding Prudency of Outage and
Replacement Power Costs**

DOCKET UE-190822

**SECOND EXHIBIT (COMPANY CONFIDENTIAL) TO THE
PREFILED REBUTTAL TESTIMONY OF**

PAUL K. WETHERBEE

ON BEHALF OF PUGET SOUND ENERGY

**Shaded Information is Designated
as COMPANY CONFIDENTIAL
per Protective Order in Docket
UE-190882**

JANUARY 23, 2020

Colstrip Units 3 & 4

Summer 2018 outage replacement power costs

June 29, 2018 through September 5, 2018

Shaded information is designated as Company-confidential per Protective Order in Docket UE-190882

	June 29-30	July	August	September 1-5	Period Total
Total generation reduction relative to volume in rates (MWh):	5,751	159,454	114,386	13,005	292,596
Total cost increase / revenue reduction from lost generation:	\$33,224	\$7,656,439	\$6,398,679	\$358,182	\$14,446,525
Actual 3&4 fuel cost reduction relative to rates:*	\$0	\$1,811,111	\$895,865	\$0	\$2,706,976
Net power cost increase:	\$33,224	\$5,845,328	\$5,502,814	\$358,182	\$11,739,549

Date	Net Actual Output (MWh)	Average Output in Rates (MWh)	Increase / (Decrease) Relative to Rates	ICE Daily Mid C Price (\$/MWh)	Market Value of Lost Generation
29-Jun-18	2,759	4,195	(1,436)	\$5.78	\$8,296
30-Jun-18	(120)	4,195	(4,315)	\$5.78	\$24,928
1-Jul-18	(240)	6,826	(7,066)	\$5.78	\$40,842
2-Jul-18	(120)	6,826	(6,946)	\$12.99	\$90,206
3-Jul-18	(120)	6,826	(6,946)	\$22.94	\$159,342
4-Jul-18	(96)	6,826	(6,922)	\$21.71	\$150,277
5-Jul-18	(96)	6,826	(6,922)	\$35.78	\$247,647
6-Jul-18	(96)	6,826	(6,922)	\$27.27	\$188,764
7-Jul-18	(144)	6,826	(6,970)	\$27.27	\$190,073
8-Jul-18	3,339	6,826	(3,487)	\$24.38	\$85,014
9-Jul-18	4,031	6,826	(2,795)	\$25.86	\$72,279
10-Jul-18	2,125	6,826	(4,701)	\$24.08	\$113,216
11-Jul-18	(158)	6,826	(6,984)	\$34.30	\$239,529
12-Jul-18	(144)	6,826	(6,970)	\$43.41	\$302,545
13-Jul-18	1,299	6,826	(5,527)	\$33.85	\$187,090
14-Jul-18	4,091	6,826	(2,735)	\$33.85	\$92,581
15-Jul-18	4,273	6,826	(2,553)	\$28.72	\$73,323
16-Jul-18	4,211	6,826	(2,615)	\$45.85	\$119,907
17-Jul-18	5,034	6,826	(1,792)	\$35.23	\$63,133
18-Jul-18	3,894	6,826	(2,932)	\$27.92	\$81,852
19-Jul-18	3,724	6,826	(3,102)	\$27.67	\$85,823
20-Jul-18	2,254	6,826	(4,572)	\$35.91	\$164,197
21-Jul-18	(216)	6,826	(7,042)	\$35.91	\$252,902
22-Jul-18	(109)	6,826	(6,935)	\$58.09	\$402,855
23-Jul-18	3,473	6,826	(3,353)	\$151.32	\$507,390
24-Jul-18	4,039	6,826	(2,787)	\$159.70	\$445,087
25-Jul-18	5,171	6,826	(1,655)	\$157.24	\$260,230
26-Jul-18	2,762	6,826	(4,064)	\$143.58	\$583,499
27-Jul-18	507	6,826	(6,319)	\$70.99	\$448,566
28-Jul-18	(216)	6,826	(7,042)	\$70.99	\$499,890
29-Jul-18	(144)	6,826	(6,970)	\$54.09	\$377,009
30-Jul-18	(120)	6,826	(6,946)	\$88.50	\$614,700
31-Jul-18	(55)	6,826	(6,881)	\$75.09	\$516,673
1-Aug-18	2,103	7,431	(5,328)	\$60.99	\$324,918
2-Aug-18	3,116	7,431	(4,315)	\$53.48	\$230,749
3-Aug-18	4,368	7,431	(3,063)	\$51.85	\$158,810
4-Aug-18	2,801	7,431	(4,630)	\$51.85	\$240,064
5-Aug-18	2,780	7,431	(4,651)	\$63.29	\$294,342
6-Aug-18	5,989	7,431	(1,442)	\$190.64	\$274,837
7-Aug-18	3,738	7,431	(3,693)	\$223.12	\$823,899
8-Aug-18	2,395	7,431	(5,036)	\$115.97	\$584,005
9-Aug-18	2,535	7,431	(4,896)	\$101.66	\$497,695
10-Aug-18	2,825	7,431	(4,606)	\$45.28	\$208,530
11-Aug-18	902	7,431	(6,529)	\$45.28	\$295,597
12-Aug-18	666	7,431	(6,765)	\$45.95	\$310,837
13-Aug-18	2,566	7,431	(4,865)	\$71.13	\$346,025
14-Aug-18	5,235	7,431	(2,196)	\$69.41	\$152,402
15-Aug-18	5,739	7,431	(1,692)	\$55.00	\$93,037

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Date	Net Actual Output (MWh)	Average Output in Rates (MWh)	Increase / (Decrease) Relative to Rates	ICE Daily Mid C Price (\$/MWh)	Market Value of Lost Generation
16-Aug-18	5,696	7,431	(1,735)	\$42.84	\$74,308
17-Aug-18	5,608	7,431	(1,823)	\$33.47	\$61,011
18-Aug-18	1,092	7,431	(6,339)	\$33.47	\$212,177
19-Aug-18	1,013	7,431	(6,418)	\$34.91	\$224,041
20-Aug-18	1,701	7,431	(5,730)	\$44.50	\$254,952
21-Aug-18	4,931	7,431	(2,500)	\$39.04	\$97,596
22-Aug-18	5,716	7,431	(1,715)	\$30.66	\$52,572
23-Aug-18	5,657	7,431	(1,774)	\$23.85	\$42,296
24-Aug-18	5,459	7,431	(1,972)	\$22.14	\$43,653
25-Aug-18	2,683	7,431	(4,748)	\$22.14	\$105,114
26-Aug-18	2,900	7,431	(4,531)	\$20.11	\$91,112
27-Aug-18	5,925	7,431	(1,506)	\$25.47	\$38,350
28-Aug-18	5,358	7,431	(2,073)	\$30.74	\$63,707
29-Aug-18	5,323	7,431	(2,108)	\$25.99	\$54,772
30-Aug-18	4,433	7,431	(2,998)	\$25.76	\$77,230
31-Aug-18	4,712	7,431	(2,719)	\$25.76	\$70,042
1-Sep-18	5,018	7,475	(2,457)	\$23.48	\$57,702
2-Sep-18	5,217	7,475	(2,258)	\$23.33	\$52,682
3-Sep-18	4,080	7,475	(3,395)	\$26.24	\$89,089
4-Sep-18	4,034	7,475	(3,441)	\$30.59	\$105,253
5-Sep-18	6,022	7,475	(1,453)	\$36.79	\$53,456

*Fuel cost data is only available on a monthly basis and a pro-rata allocation is not appropriate given the daily shape of actual generation differences. Minor fuel cost savings in June and September are therefore excluded from this calculation.