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BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION
COMMISSION

DOCKET NO. UE-99

EXHIBIT NO. 44 OF WILLIAM G. JOHNSON
REPRESENTING AVISTA CORPORATION

POWER COST ADJUSTMENT EXAMPLE WORKSHEETS

WUTC		
DOCKET NO. <u>UE-991606</u>		
EXHIBIT # <u>421</u>		
ADMIT	W/D	REJECT
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Avista Corporation
Power Cost Adjustment Summary
Washington Share at 66.99%

June

(values shown are for illustrative purposes only)

Weather-Related Adjustment	\$134,000
PURPA Contract Tracker	\$78,000
Hydro Hourly Shape Adjustment	\$474,000
Prior Period Adjustment	<u>\$0</u>
Net Adjustment to Balancing Account	\$686,000

Positive numbers indicate actual net expense greater than authorized (surcharge direction)
Negative numbers indicate actual net expense less than authorized (rebate direction)

June

Avista Corporation
PCA Calculation Summary
Washington Jurisdiction
(\$000s)

Line No.	Description	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
WEATHER-RELATED														
<u>Adjusted Actual</u>														
1	Secondary Sales Revenue	\$3,860	\$0	\$0	\$0	\$0	\$3,190	\$670	\$0	\$0	\$0	\$0	\$0	\$0
2	Secondary Purchases Expense	\$4,832	\$1,181	\$1,257	\$1,754	\$640	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Thermal Fuel Expense	\$17,564	\$4,574	\$2,864	\$3,385	\$2,555	\$2,386	\$1,800	\$0	\$0	\$0	\$0	\$0	\$0
4	Total Net Expense	\$18,536	\$5,755	\$4,121	\$5,139	\$3,195	(\$804)	\$1,130	\$0	\$0	\$0	\$0	\$0	\$0
<u>Authorized</u>														
5	Secondary Sales Revenue	\$4,631	\$43	\$84	\$28	\$206	\$2,970	\$1,092	\$95	\$15	\$17	\$6	\$41	\$34
6	Secondary Purchases Expense	\$24,034	\$2,352	\$1,804	\$2,550	\$1,521	\$0	\$425	\$2,873	\$2,651	\$3,276	\$2,786	\$1,687	\$2,109
7	Thermal Fuel Expense	\$40,889	\$4,366	\$2,582	\$3,077	\$2,293	\$2,013	\$1,597	\$2,657	\$3,751	\$4,634	\$5,254	\$4,773	\$3,892
8	Total Net Expense	\$60,292	\$6,675	\$4,302	\$5,599	\$3,608	(\$957)	\$930	\$5,435	\$6,387	\$7,893	\$8,034	\$6,419	\$5,967
9	Weather Adj Expense > Authorized Expense	(\$1,621)	(\$920)	(\$181)	(\$460)	(\$413)	\$153	\$200						
10	WA Share @ 66.99%	(\$1,086)	(\$616)	(\$121)	(\$308)	(\$277)	\$102	\$134	\$0	\$0	\$0	\$0	\$0	\$0
PURPA CONTRACTS														
<u>Actual</u>														
11	Acct 555 Purpa Contracts	\$2,996	\$588	\$484	\$534	\$522	\$420	\$448	\$0	\$0	\$0	\$0	\$0	\$0
<u>Authorized</u>														
12	Acct 555 Purpa Contracts	\$3,561	\$481	\$435	\$511	\$518	\$413	\$331	\$122	(\$97)	\$0	\$136	\$282	\$429
13	Actual Exp > Authorized Exp	\$307	\$107	\$49	\$23	\$4	\$7	\$117						
14	WA Share @ 66.99%	\$206	\$72	\$33	\$15	\$3	\$5	\$78	\$0	\$0	\$0	\$0	\$0	\$0
15	Net Adjustment To Balancing Account	(\$880)	(\$544)	(\$88)	(\$293)	(\$274)	\$107	\$212	\$0	\$0	\$0	\$0	\$0	\$0

Positive Numbers = Surcharge Direction
Negative Numbers = Rebate Direction

June

Avista Corporation
Weather-Related PCA Calculation

Line No.	LOADS	Hours	744 Jan	672 Feb	744 Mar	719 Apr	744 May	720 June	744 Jul	744 Aug	720 Sep	745 Oct	720 Nov	744 Dec	Total/Avg
1	Net System Load (Weather Adj.)	aMW	1,144	1,083	1,004	950	893	944	941	955	903	894	1,025	1,177	993
<u>CONTRACT OBLIGATIONS</u>															
2	Snohomish 10 yr	aMW	50	50	100	100	50	50	50	57	100	100	100	50	71
3	EWEB	aMW	0	0	0	0	0	0	7	7	7	0	0	0	2
4	Colstrip Pumping	aMW	7	7	7	7	7	7	7	7	7	7	7	7	7
5	Clark2 5 yr	aMW	163	163	163	152	102	127	145	65	69	65	98	122	120
6	Puget 2	aMW	50	50	50	50	50	50	75	75	75	75	75	75	63
7	Cheney	aMW	2	2	2	2	2	2	2	2	2	2	2	2	2
8	PacifiCorp 1994	aMW	0	0	0	0	0	8	22	62	21	0	0	0	9
9	PacifiCorp Exchange	aMW	(16)	(18)	(7)	0	0	0	7	15	15	0	0	(5)	(1)
10	Pend Oreille Sale	aMW	0	0	0	0	0	0	6	0	0	0	0	0	1
11	Cogentrix 57 mo	aMW	100	100	100	100	100	100	100	100	100	100	100	100	100
12	Can. Ent.	aMW	1	1	1	1	1	1	1	1	1	1	1	1	1
13	TOTAL REQUIREMENTS	aMW	1,501	1,438	1,420	1,362	1,205	1,289	1,363	1,346	1,300	1,244	1,408	1,529	1,367
<u>CONTRACT RIGHTS</u>															
14	WNP 3	aMW	100	100	49	49	0	0	0	0	0	0	100	100	42
15	CSPE	aMW	5	5	5	5	5	5	5	5	5	5	5	5	5
16	BPA 115 MW	aMW	115	115	115	115	115	115	115	115	115	115	115	115	115
17	Small Power	aMW	4	4	4	4	5	7	4	4	4	4	4	3	4
18	Black Creek	aMW	0	0	0	0	0	0	0	11	0	0	0	0	1
19	Upriver Project	aMW	11	11	12	13	11	10	5	2	3	5	8	11	9
20	Potlatch Co-Gen	aMW	57	57	57	59	50	37	57	59	44	57	56	59	54
21	Enron 2 yr	aMW	50	50	50	50	50	50	50	50	50	50	50	50	50
22	Sempra	aMW	28	28	28	0	0	0	0	28	28	28	28	28	19
23	ESI	aMW	50	50	50	50	50	50	50	50	50	50	50	50	50
24	Cinergy	aMW	14	14	14	14	14	14	14	14	14	14	14	14	14
<u>HYDRO GENERATION</u>															
25	Avista System Hydro	aMW	403.2	438.0	437.0	534.0	725.0	749.0							547.7
26	Mid Columbia Contract Hydro	aMW	149.2	115.0	104.7	100.1	89.9	99.9							109.8
27	CONTRACT & HYDRO RES.	aMW	986.4	987.0	925.7	993.1	1,114.9	1,136.9	300.0	338.0	313.0	328.0	430.0	435.0	690.7
<u>THERMAL RESOURCES - Equivalent Availability</u>															
	Plant	MW Capacity													
28	Centralia	201	aMW	184.7	184.7	184.7	184.7	134.1	141.7	184.7	184.7	184.7	184.7	184.7	176.9
29	Colstrip	222	aMW	192.3	192.3	192.3	192.3	192.3	96.1	192.3	192.3	192.3	192.3	192.3	184.2
30	Kettle Falls	46	aMW	44.4	44.4	44.4	44.4	44.4	14.3	44.4	44.4	44.4	44.4	44.4	41.9

June

The Washington Water Power Company
Weather-Related PCA Calculation
(page 2)

Line No.	Hours	744 Jan	672 Feb	744 Mar	719 Apr	744 May	720 June	744 Jul	744 Aug	720 Sep	745 Oct	720 Nov	744 Dec	Total/Avg
THERMAL RESOURCES - Incremental Cost														
31	Colstrip (Authorized) \$/MWh	\$9.10	\$9.10	\$9.10	\$9.10	\$9.10	\$9.10	\$9.10	\$9.10	\$9.10	\$9.10	\$9.10	\$9.10	
32	Secondary Prices (Actual) \$/MWh	\$23.55	\$20.71	\$20.28	\$19.19	\$19.95	\$19.12							
THERMAL RESOURCES - Generation														
33	Colstrip (Dispatched) aMW	192.3	192.3	192.3	192.3	192.3	96.1	0.0	0.0	0.0	0.0	0.0	0.0	88.1
34	Centralia (Authorized) aMW	161.8	122.6	141.0	99.2	88.3	95.3	127.2	175.4	170.8	171.0	175.8	144.6	139.4
35	Kettle Falls (Authorized) aMW	43.7	34.1	34.8	25.9	23.7	7.9	25.1	42.9	42.2	43.0	44.4	36.3	33.7
36	Rathdrum (Actual) aMW	49.4	11.7	10.0	5.2	0.8	1.5							6.6
37	Surplus/(Deficiency) aMW	(67.4)	(90.3)	(116.3)	(46.4)	214.9	48.7							(9.5)
38	Secondary Sales \$000s	\$0	\$0	\$0	\$0	\$3,190	\$670	\$0	\$0	\$0	\$0	\$0	\$0	\$3,860
39	Secondary Purchases \$000s	\$1,181	\$1,257	\$1,754	\$640	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,832
THERMAL FUEL														
	Mwh/Unit	Unit												
40	Colstrip 1.601	Tons	89,341	80,695	89,341	86,339	89,341	43,230	0	0	0	0	0	478,288
41	Centralia 1.526	Tons	78,899	53,997	68,742	46,723	43,054	44,954	61,992	85,518	80,603	83,486	82,962	801,442
42	Kettle Falls 0.599	Tons	54,257	38,230	43,239	31,052	29,382	9,516	31,219	53,255	50,751	53,422	53,422	492,821
THERMAL FUEL - Cost Per Unit														
43	Colstrip (Authorized) \$/Ton	\$10.89	\$10.89	\$10.89	\$10.89	\$10.89	\$10.89	\$10.89	\$10.89	\$10.89	\$10.89	\$10.89	\$10.89	\$10.89
44	Centralia (Authorized) \$/Ton	\$27.31	\$27.31	\$27.31	\$27.31	\$27.31	\$27.31	\$27.31	\$27.31	\$27.31	\$27.31	\$27.31	\$27.31	\$27.31
45	Kettle Falls (Authorized) \$/Ton	\$7.51	\$7.51	\$7.51	\$7.51	\$7.51	\$7.51	\$7.51	\$7.51	\$7.51	\$7.51	\$7.51	\$7.51	\$7.51
THERMAL FUEL EXPENSE - \$000s														
46	Colstrip (Dispatched) \$000s	\$973	\$879	\$973	\$940	\$973	\$471	\$0	\$0	\$0	\$0	\$0	\$0	\$5,209
47	Centralia (Authorized) \$000s	\$2,155	\$1,475	\$1,877	\$1,276	\$1,176	\$1,228	\$1,693	\$2,335	\$2,201	\$2,280	\$2,266	\$1,926	\$21,887
48	Kettle Falls (Authorized) \$000s	\$407	\$287	\$325	\$233	\$221	\$71	\$234	\$400	\$381	\$401	\$401	\$339	\$3,701
49	Rathdrum (Actual) \$000s	\$1,039	\$223	\$210	\$106	\$16	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$1,624
50	Total Thermal Fuel Expense \$000s	\$4,574	\$2,864	\$3,385	\$2,555	\$2,386	\$1,800							\$17,563

June

Avista Corporation
PURPA Contract Tracker
System Numbers for the Washington Jurisdiction

Description	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		744	672	744	719	744	720	744	744	720	745	720	744
<u>AUTHORIZED</u>													
1 Spokane-Upriver	\$2,344,332	\$346,590	\$312,349	\$400,623	\$398,128	\$304,748	\$224,081	\$15,992	(\$175,551)	(\$65,408)	\$71,323	\$189,939	\$321,518
2 Sheep Creek	\$491,104	\$33,387	\$34,456	\$43,991	\$48,384	\$45,484	\$54,473	\$56,319	\$38,423	\$33,641	\$35,162	\$34,492	\$32,892
3 John Day	\$119,014	\$7,343	\$6,595	\$5,337	\$6,561	\$12,511	\$13,633	\$14,663	\$13,583	\$9,343	\$7,343	\$11,258	\$10,844
4 Phillips	\$1,377	\$0	\$0	\$0	\$54	\$351	\$216	\$216	\$324	\$81	\$135	\$0	\$0
5 Gordon Foster	\$28,458	\$216	\$0	\$0	\$1,998	\$4,968	\$5,778	\$6,021	\$3,942	\$2,700	\$1,134	\$1,701	\$0
6 Jim Ford	\$331,765	\$71,518	\$61,624	\$44,845	\$42,856	\$25,669	\$9,835	\$4,856	\$0	\$0	\$2,496	\$25,618	\$42,448
7 Minnesota Methane	\$150,630	\$14,317	\$12,901	\$11,035	\$10,656	\$6,050	\$10,674	\$14,317	\$14,317	\$13,853	\$14,340	\$13,853	\$14,317
8 Jim White - Clark Fork	\$94,086	\$7,222	\$6,973	\$5,607	\$9,774	\$12,896	\$12,399	\$9,494	\$7,658	\$5,332	\$4,414	\$5,149	\$7,168
9 Total	\$3,560,766	\$480,593	\$434,898	\$511,438	\$518,411	\$412,677	\$331,089	\$121,878	(\$97,304)	(\$458)	\$136,347	\$282,010	\$429,187
<u>ACTUAL</u>													
10 Spokane-Upriver	\$2,273,185	\$432,486	\$364,844	\$424,169	\$396,984	\$316,590	\$338,112						
11 Sheep Creek	\$270,269	\$35,788	\$35,197	\$41,796	\$55,068	\$42,863	\$59,557						
12 John Day	\$69,100	\$14,064	\$9,771	\$8,844	\$9,431	\$13,966	\$13,024						
13 Phillips	\$1,049	\$0	\$0	\$159	\$0	\$662	\$228						
14 Gordon Foster	\$22,667	\$0	\$0	\$4,233	\$0	\$6,235	\$12,199						
15 Jim Ford	\$252,822	\$92,591	\$57,058	\$41,018	\$39,702	\$19,084	\$3,369						
16 Minnesota Methane	\$43,837	\$5,231	\$8,796	6,636	8,398	6,957	7,819						
17 Jim White - Clark Fork	\$63,862	\$7,693	\$8,815	\$6,917	\$12,473	\$13,887	\$14,077						
18 Total	\$2,996,791	\$587,853	\$484,481	\$533,772	\$522,056	\$420,244	\$448,385	\$0	\$0	\$0	\$0	\$0	\$0

June

Avista Corporation
Weighted Average Secondary Prices

Description	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ACTUAL													
1 Secondary Sales \$000s	\$122,473	\$28,508	\$18,559	\$13,719	\$15,628	\$23,856	\$22,203						
2 Wheeling Assoc/Sec. Sales \$000s	(\$923)	(\$161)	(\$158)	(\$157)	(\$193)	(\$93)	(\$161)						
3 Secondary Purchases \$000s	\$133,359	\$34,912	\$22,323	\$17,514	\$14,724	\$21,942	\$21,944						
4 Wheeling Assoc/Sec. Purch \$000s	\$113	\$0	\$3	\$18	\$4	\$66	\$22						
5 Total Sec. Sales & Purch. \$000s	255022	\$63,259	\$40,727	\$31,094	\$30,163	\$45,771	\$44,008	\$0	\$0	\$0	\$0	\$0	\$0
6 Secondary Sales MWh	6,107,332	1,286,835	933,631	690,097	800,384	1,204,387	1,191,998						
7 Secondary Sales Losses MWh	8,746	1,648	1,743	1,579	2,562	354	860						
8 Secondary Purchases MWh	6,237,420	1,397,516	1,031,218	841,704	768,516	1,090,078	1,108,388						
9 Secondary Purchases Losses MWh	(613)	0	(37)	(171)	(17)	(371)	(17)						
10 Total Sec. Sales & Purch. MWh	12,352,885	2,685,999	1,966,555	1,533,209	1,571,445	2,294,448	2,301,229	0	0	0	0	0	0
11 Wtd Avg Sec. Price \$/MWh		\$23.55	\$20.71	\$20.28	\$19.19	\$19.95	\$19.12						
AUTHORIZED													
12 Secondary Sales \$000s	\$4,631	\$43	\$84	\$28	\$206	\$2,970	\$1,092	\$95	\$15	\$17	\$7	\$41	\$35
13 Secondary Purchases \$000s	\$24,034	\$2,352	\$1,804	\$2,550	\$1,521	\$0	\$425	\$2,873	\$2,651	\$3,276	\$2,786	\$1,687	\$2,109
14 Total Sec. Sales & Purch. \$000s	\$28,665	\$2,395	\$1,887	\$2,578	\$1,727	\$2,970	\$1,516	\$2,968	\$2,666	\$3,293	\$2,793	\$1,728	\$2,144
15 Secondary Sales MWh	265,600	2,800	6,900	2,300	11,500	154,800	67,300	10,800	1,200	1,600	600	2,500	3,300
16 Secondary Purchases MWh	1,077,000	103,200	86,100	126,100	86,500	0	13,800	133,100	125,300	125,300	98,900	63,500	115,200
17 Total Sec. Sales & Purch. MWh	1,342,600	106,000	93,000	128,400	98,000	154,800	81,100	143,900	126,500	126,900	99,500	66,000	118,500
18 Wtd Avg Sec. Price \$/MWh	\$21.35	\$22.60	\$20.29	\$20.07	\$17.62	\$19.19	\$18.70	\$20.63	\$21.08	\$25.95	\$28.07	\$26.18	\$18.09