



# Oregon

Kate Brown, Governor

## Public Utility Commission

201 High St SE Suite 100

Salem, OR 97301

**Mailing Address:** PO Box 1088

Salem, OR 97308-1088

**Consumer Services**

1-800-522-2404

Local: 503-378-6600

**Administrative Services**

503-373-7394

January 5, 2016

OREGON PUBLIC UTILITY COMMISSION  
ATTENTION: FILING CENTER  
PO BOX 1088  
SALEM OR 97301-1088

**RE: Docket No. UG 288 – In the Matter of  
AVISTA CORPORATION, dba AVISTA UTILITIES,  
Request for a General Rate Revision.**

Staff Exhibit 606 is an Excel file and was inadvertently omitted from the October 16, 2015 filing. This filing was previously served to all UG 288 parties on October 16, 2015 and is available electronically on Huddle.

Staff Testimony Exhibit 600 page 2, line 1; and footnotes 6, 7, 8 and 9 of page 6 refers to Exhibit 606.

Kay Barnes  
PUC – Utility Program  
(503) 378-5763.

CASE: UG 288  
WITNESS: MITCHELL MOORE

**PUBLIC UTILITY COMMISSION  
OF  
OREGON**

**STAFF EXHIBIT 606  
(EXCEL FILE)**

**January 4, 2016**

Data from Avista Response to DR# 193 Attachment A - SAS forecast Data

	WA,ID,OR Residential Tab, Columns BO&BP			WA,OR,ID Commercial Tab, Cols EC&ED			WA,OR,ID Industrial tab, Cols EU&EV				
	Res Cust	% growth	Residential Cust Therms	Residential Therms	Comm Cust	Comm Therms	% growth	Ind Cust	Ind Therm	Total Therms	Total Therms
Dec-03	76,993		8,668,717		10,501	5,399,362		73	4,883,780	18,951,859	
Dec-04	77,771	1.01%	7,274,996	-16.08%	9,981	4,237,328	-21.52%	73	4,543,686	16,056,010	-15.28%
Dec-05	81,536	4.84%	7,952,906	9.32%	10,818	5,385,481	27.10%	71	3,592,115	16,930,502	5.45%
Dec-06	82,856	1.62%	7,361,814	-7.43%	10,971	4,864,286	-9.68%	87	3,127,677	15,353,777	-9.31%
Dec-07	84,149	1.56%	7,050,097	-4.23%	11,112	4,810,304	-1.11%	63	2,407,823	14,268,224	-7.07%
Dec-08	84,114	-0.04%	6,163,901	-12.57%	11,131	4,433,610	-7.83%	63	1,699,143	12,296,654	-13.82%
Dec-09	84,376	0.31%	7,053,710	14.44%	11,143	4,816,578	8.64%	69	2,106,292	13,976,580	13.66%
Dec-10	84,816	0.52%	6,742,913	-4.41%	11,201	4,683,914	-2.75%	74	2,324,091	13,750,918	-1.61%
Dec-11	84,924	0.13%	7,011,441	3.98%	11,177	4,769,554	1.83%	75	2,255,332	14,036,327	2.08%
Dec-12	85,329	0.48%	5,795,069	-17.35%	11,228	4,175,531	-12.45%	82	2,597,912	12,568,512	-10.46%
Dec-13	86,049	0.84%	7,832,549	35.16%	11,360	5,163,503	23.66%	68	3,014,625	16,010,677	27.39%
Dec-14	86,713	0.77%	5,770,875	-26.32%	11,400	4,076,299	-21.06%	70	3,315,473	13,162,647	-17.79%
Dec-15											

	Comm Cust	Ind Cust	Res Cust	total
Dec-03	10,501	73	76,993	87,567
Dec-04	9,981	73	77,771	87,825
Dec-05	10,818	71	81,536	92,425
Dec-06	10,971	87	82,856	93,914
Dec-07	11,112	63	84,149	95,324
Dec-08	11,131	63	84,114	95,308
Dec-09	11,143	69	84,376	95,588
Dec-10	11,201	74	84,816	96,091
Dec-11	11,177	75	84,924	96,176
Dec-12	11,228	82	85,329	96,639
Dec-13	11,360	68	86,049	97,477
Dec-14	11,400	70	86,713	98,183
Dec-15				0
	2.59%	11.11%	3.05%	3.00%

Oregon	(from UG 201)												
RESULTS OF OPERATIONS	Dec-13	Dec-12	Dec-11	Dec-10	Dec-09	Dec-08	Dec-07	Dec-06	Dec-05	Dec-04	Dec-03	Dec-02	Dec-01
REVENUES													
Sales to Ultimate Customers	94,289,386	95,273,983	102,585,555	94,754,026	113,471,793		126,653,589	122,020,382	105,424,871	83,716,899	64,575,171	67,149,024	75,281,521
Transportation	3,043,534	2,888,131	2,718,702	2,789,593	2,197,803		2,621,225	2,557,931	3,112,320	3,615,375	3,764,148	4,419,687	3,619,032
Other Revenues (excl. Transportation)	90,950,422	67,391,445	76,669,038	60,713,034	40,811,355		49,085,316	44,299,516	24,318,948	80,457	-120,557	-38,120	-298,734
<b>TOTAL REVENUES</b>	<b>188,283,342</b>	<b>165,553,559</b>	<b>181,973,295</b>	<b>158,226,653</b>	<b>156,480,951</b>		<b>178,360,130</b>	<b>168,877,829</b>	<b>132,856,139</b>	<b>87,412,731</b>	<b>68,218,762</b>	<b>71,530,591</b>	<b>78,601,819</b>
	97,332,920	98,162,114	105,304,257	97,513,619	115,669,396	0	129,274,814	124,578,313	108,537,191	87,332,274	68,339,319	71,568,711	78,900,553
PRODUCTION EXPENSES													
Production O&M	0	0	0	0	0		0	0	0	0	0	0	0
Gas Purchases (incl. Other Gas Exp)	139,222,464	120,059,655	135,640,485	116,127,647	118,799,039		141,691,049	134,179,033	98,579,699	55,599,922	41,256,101	46,117,702	53,621,521
Depreciation	0	0	0	0	0		861	1,244	1,208	1,543	14,179	-70,469	4,456
Other Taxes	0	0	0	0	0		0	566	589	603	261	934	1,972
Total Production	139,222,464	120,059,655	135,640,485	116,127,647	118,799,039		141,691,910	134,180,843	98,581,496	55,602,068	41,270,541	46,048,167	53,627,949
UNDERGROUND STORAGE EXPENSES													
Operations & Maintenance	121,961	106,695	75,997	25,089	36,826		0	0	0	0	0	-1,777	80,770
Depreciation	113,379	112,506	98,331	78,872	90,494		0	0	0	0	0	-67,103	69,093
Other Taxes	53,722	6,660	6,454	0	0		0	0	0	0	0	0	11,712
Underground Storage	289,062	225,861	180,782	103,961	127,320		0	0	0	0	0	-68,880	161,575
DISTRIBUTION EXPENSES													
Distribution O&M	8,061,547	6,652,454	6,406,752	6,730,030	5,829,879		5,399,964	4,790,732	4,687,791	4,936,000	4,396,369	3,422,512	3,002,089
Depreciation	3,987,153	3,788,583	3,633,754	3,481,139	3,351,502		6,580,195	6,078,824	5,706,446	5,461,064	5,156,305	4,782,232	4,552,009
State Income Taxes (from Other Taxes)	0	0	0	0	0		-66,205	302,688	110,188	122,063	120,273	320,082	-1,213,525
Other Taxes	6,247,806	5,914,559	5,790,298	5,405,963	6,017,170		6,380,309	5,372,948	4,736,307	4,493,874	3,055,849	3,786,826	3,360,540
Total Distribution	18,296,506	16,355,596	15,830,804	15,617,132	15,198,551		18,294,263	16,545,192	15,240,732	15,013,001	12,728,796	12,311,652	9,701,113
CUSTOMER ACCOUNTS	3,652,703	3,324,863	3,375,869	2,985,118	3,406,278		2,699,056	2,640,296	2,779,041	2,719,455	2,332,897	2,839,827	2,904,734
CUSTOMER SERVICE & INFO SALES	2,164,810	2,399,295	2,661,008	2,442,435	2,799,080		2,108,517	982,775	642,058	740,413	602,686	521,043	376,682
SALES	177	4,587	2,488	2,821	107,328		114,894	268,167	252,578	110,241	151,242	109,826	117,680
ADMIN & GENERAL													
Salaries	2,722,328	3,351,853	2,638,280	2,697,589	2,653,564		2,225,164	1,996,968	2,369,360	1,803,385	1,697,986	1,566,722	1,113,032
Offices Supplies	485,980	502,877	489,339	512,944	528,690		531,730	578,014	579,330	717,726	707,695	681,184	662,682
A&G Transferred	0	165	1,048	197	0		0	0	0	0	0	0	-5,334
Outside Services	1,160,043	1,287,413	1,606,144	1,721,661	1,323,266		1,288,167	1,080,415	1,087,112	944,572	885,047	984,296	715,069
Property Insurance	140,805	127,024	118,440	130,152	133,431		104,380	107,906	66,249	80,064	104,951	68,155	34,681
Injuries and Damages	377,950	343,090	375,802	458,225	329,021		214,981	354,604	518,416	461,626	275,226	232,245	164,866
Employee Pensions and Benefits	102,517	85,262	88,224	77,995	63,587		62,428	64,589	61,679	185,749	217,260	122,037	111,046
Regulatory Commission	1,280,158	758,820	765,704	752,309	956,365		832,195	623,628	447,718	330,022	478,742	405,783	296,101
Misc. General	395,021	383,823	340,386	396,805	406,731		313,212	312,770	344,988	317,568	220,134	245,864	222,907
Rents	72,052	92,232	91,075	86,039	47,580		93,878	133,819	307,951	498,988	637,190	658,461	652,030
Maint. of General Plant	858,409	744,507	785,900	741,974	751,008		718,166	594,572	546,200	201,222	195,627	197,748	124,485
Subtotal	7,595,263	7,677,066	7,300,342	7,575,890	7,193,243		6,384,301	5,847,285	6,329,003	5,540,922	5,419,858	5,162,495	4,091,565
Depreciation & Amortization	1,441,342	1,184,275	1,061,750	944,555	776,578		536,478	509,091	536,530	247,928	552,566	494,757	471,113
Amort of Intangible Plant	864,270	745,002	667,393	596,654	521,758		321,400	248,724	295,856	226,640	636,238	240,480	143,116
Other Taxes (State Income)	0	0	0	0	423,284		0	77,613	64,767	65,448	59,496	68,902	68,678
Total Admin & General	9,900,875	9,606,343	9,029,485	9,117,099	8,914,863		7,242,179	6,682,713	7,226,156	6,080,938	6,668,158	5,966,634	4,774,472
OTHER EXPENSES - Senate Bill 408	272,311	-808,653	-1,974,621	658,141	-662,125		2,338,488						
<b>TOTAL EXPENSES</b>	<b>173,798,908</b>	<b>151,167,547</b>	<b>164,746,300</b>	<b>147,054,354</b>	<b>148,690,334</b>		<b>174,489,307</b>	<b>161,299,986</b>	<b>124,722,061</b>	<b>80,266,116</b>	<b>63,754,320</b>	<b>67,728,269</b>	<b>71,664,205</b>
NOI BEFORE FIT	14,484,434	14,386,012	17,226,995	11,276,260	7,790,617		3,870,823	7,577,843	8,134,078	7,146,615	4,464,442	3,802,322	6,937,614
FIT-Current	1,102,466	71,999	34,482	-3,311,891	-2,625,267		1,851,659	2,721,182	989,947	-2,627,849	-3,655,058	537,392	686,481
DFIT	2,831,664	3,817,411	4,873,603	5,260,296	2,876,484		-1,155,935	-1,366,215	545,126	3,202,846	3,981,626	-45,623	730,851
Total FIT	3,934,130	3,889,410	4,908,085	1,948,405	251,217		695,724	1,354,967	1,535,073	574,997	326,568	491,769	1,417,332
effective rate	27.16%	26.84%	27.03%	17.28%	3.22%		17.97%	17.88%	18.87%	8.05%	7.31%	12.93%	20.43%
NET OPERATING INCOME	10,550,304	10,496,602	12,318,910	9,327,855	7,539,400		3,175,099	6,222,876	6,599,005	6,571,618	4,137,874	3,310,553	5,520,282
<b>GAS UTILITY PLANT</b>													
INTANGIBLE PLANT	5,457,288	4,261,063	3,927,575	3,753,269	3,075,622		1,613,934	1,334,204	1,615,437	1,747,617	2,906,396	2,894,562	2,790,141
PRODUCTION PLANT	7,628	7,628	7,628	7,628	7,628		55,446	75,296	74,918	74,180	36,106	106,293	218,373
UNDERGROUND STORAGE PLANT	5,813,612	5,773,350	5,166,082	4,348,724	4,977,592		16,508	0	0	0	0	0	1,299,044
TRANSMISSION PLANT	0	0	0	0	0		0	0	0	0	0	0	0
DISTRIBUTION PLANT	254,396,170	240,252,145	230,343,859	220,477,278	211,416,154		176,316,742	162,821,943	149,784,273	143,437,210	136,416,038	129,072,219	121,775,200
GENERAL PLANT	22,072,166	19,619,066	18,154,693	16,598,883	15,039,476		11,011,213	10,209,896	8,167,111	8,062,931	8,239,423	7,883,539	7,615,324
GROSS PLANT	287,746,864	269,913,252	257,599,837	245,185,782	234,516,472		189,013,843	174,441,339	159,641,739	153,321,938	147,597,963	139,956,613	133,698,082
ACCUMULATED DEPRECIATION	-95,657,292	-92,658,497	-90,303,999	-88,157,162	-87,302,584		82,515,111	76,592,370	71,867,721	67,365,919	62,375,697	57,799,793	53,229,520
ACCUMULATED AMORTIZATION	-2,367,981	-1,907,025	-1,713,387	-1,782,775	-1,329,565		598,178	1,070,386	1,640,070	1,751,628	2,528,917	2,169,028	1,976,219
NET UTILITY PLANT	189,721,591	175,347,730	165,582,451	155,245,845	145,884,323		125,892,439	105,900,554	96,778,583	86,133,948	84,204,391	82,693,349	79,987,792
<b>RATE BASE ADJ.</b>													
ACCUM. DFIT	-39,941,626	-36,866,536	-33,313,601	-27,156,211	-22,717,355		-18,180,851	-18,736,028	-19,049,386	-16,504,363	-11,411,438	-9,957,521	-8,610,735
OTHER	2,543,756	3,083,577	2,976,021	2,438,502	2,041,907		972,098	970,421	757,261	449,941	407,788	323,080	371,905
Total Adj.	-37,397,870	-33,782,959	-30,337,580	-24,717,709	-20,675,448		-17,208,753	-17,765,607	-18,292,125	-16,054,422	-11,003,650	-9,634,441	-8,238,830
NET RATE BASE	152,323,721	141,564,771	135,244,871	130,528,136	125,208,875		108,691,801	79,012,976	67,841,823	68,149,969	71,689,699	70,353,351	70,253,513

		<b>Basic Charge</b>	<b>Rate per therm</b>	<b>Bill @ Avg therms</b>	<b>% diff</b>
Cascade	Residential	3	0.90715	63.77905	
Avista	Residential	8	1.18405	87.33135	36.93%
Cascade	Commercial	3	0.80282	290.40956	
Avista	Commercial	14	1.07632	399.32256	37.50%
Cascade	Industrial	12	0.75567	35803.55388	
Avista	Industrial	50	0.77618	36812.98952	0.028194

**Avista UG 288**  
**Test Year Ending December 31, 2016**  
**000's of Dollars**

Staff adjustments for programmatic capital projects reflect an allowance for the yearly averages of spending in 2010-2014. Adjustments for certain discrete projects such as website redevelopment, and campus restructuring reflect staff questions regarding the prudence of the cost, as well as the extent of benefit to customers. In the Company's 2014 IRP, approved in February of 2015, indicates the East Medford Reinforcement project is not immediately needed, and is slated to come on line in 2018.

Growth distribution projects were disallowed absent a showing of need. The IRP indicates relatively flat demand for the next few years, and forecast data in the response to DR 193 shows a decrease in the number of customers from 2013-2015.

Description/ Account No.	Company Filing		Staff		Adjustment	
	Total Company	OR-Allocated	Total Company	OR-Allocated	Total Company	OR-Allocated
<b>Utility Plant - 101</b>						
2277 SCADA Upgrade	\$ 1,020	89		0		\$ (89)
5005- Tech Refresh	\$ 21,379	\$ 1,860	\$ -		\$ (1,860)	
5006- Tech Expansion	\$ 7,431	\$ 647	\$ -		\$ (647)	
5010-Enterprise Bus. Continuity	\$ 649	\$ 56	\$ -		\$ (56)	
5014-Enterprise Security Sys	\$ 5,400	\$ 470	\$ 157		\$ (313)	
5106- Next Gen Radio	\$ 4,200	\$ 365	\$ -		\$ (365)	
5121- Microwave 2 Fiber Repl	\$ 2,755	\$ 240	\$ -		\$ (240)	
5138- Project Compass	\$ 95,386	\$ 8,300			\$ - [a]	
5143-Website redev	\$ 7,038	\$ 612	\$ -		\$ (612)	
5144 - Mobility in Field	\$ 420	\$ 37	\$ -		\$ (37)	
7000-Transport Equip	\$ 7,834	\$ 959	\$ -		\$ (959)	
7001-Structures & Imp	\$ 3,400	\$ 296	\$ -		\$ (296)	
7003-Office Furniture	\$ 1,200	\$ 104	\$ -		\$ (104)	
7005-Stores Equip	\$ 648	\$ 56	\$ -		\$ (56)	
7101-COF HVAC	\$ 10,979	\$ 955	\$ -		\$ (955)	
7126-LT Campus Re-struc	\$ 5,000	\$ 435	\$ -		\$ (435)	
7131-LT Campus Re-struc PHII	\$ 2,000	\$ 174	\$ -		\$ (174)	
7200-Craft training	\$ 121	\$ 11	\$ 3		\$ (8)	
<b>Total</b>						\$ (7,117)
1001-Gas Revenue Growth	\$ 13,545	\$ 3,846	\$ 500		\$ (3,346)	
1050-Gas meters Growth	\$ 1,880	\$ 658	\$ 85		\$ (573)	
1051-Gas regulators growth	\$ 330	\$ 52	\$ 7		\$ (45)	
1053-Gas ERT growth	\$ 678	\$ 237	\$ 31		\$ (206)	
3000-Gas Reinforce-minor	\$ 1,481	\$ 761	\$ -		\$ (761)	
3001-Repl deteriorated system	\$ 1,000	\$ 1,000	\$ 701		\$ (299)	
3002-Regulator reliability	\$ 947	\$ 387	\$ 260		\$ (127)	
3003-Gas Repl-Street&Hwy	\$ 4,827	\$ 3,477	\$ 1,500		\$ (1,977)	
3005-Gas distr. Non-revenue	\$ 6,002	\$ 3,602	\$ -		\$ (3,602)	
3006-Overbuilt pipe repl	\$ 900	\$ 828	\$ -		\$ (828)	
3007-Isolated steel	\$ 3,450	\$ 850	\$ 200		\$ (650)	
3008-Aldyl-A pipe repl.	\$ 18,317	\$ 6,298	\$ 5,164		\$ (1,134)	
3203-E Medford reinforcemnt	\$ 5,000	\$ 5,000	\$ 0		\$ (5,000)	
3303-Ladd Canyon Gate upg	\$ 1,650	\$ 1,650	\$ 93		\$ (1,557)	
3307-Bonanza Gate move	\$ 600	\$ 600	\$ -		\$ (600)	
Jackson Prairie storage	\$ 1,356	\$ 131	\$ -		\$ (131)	
<b>Total</b>						\$ (20,836)
<b>Distribution Capital - 2016</b>						
1001-Gas Revenue Growth		\$ 1,720	\$ -		\$ (1,720)	
1050-Gas meters Growth		\$ 154	\$ -		\$ (154)	
1051-Gas regulators growth		\$ 11	\$ -		\$ (11)	
1053-Gas ERT growth		\$ 165	\$ -		\$ (165)	
<b>Total</b>						\$ (2,050)
<b>TOTAL Adjustment</b>						\$ (30,003)