

Exhibit No. CSH-8  
Dockets UE-160228/UG-160229  
Witness: Christopher S. Hancock

BEFORE THE WASHINGTON  
UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,

Complainant,

v.

AVISTA CORPORATION d/b/a  
AVISTA UTILITIES,

Respondent.

DOCKETS UE-160228 and  
UG-160229 (*Consolidated*)

EXHIBIT TO  
TESTIMONY OF

CHRISTOPHER S. HANCOCK

STAFF OF  
WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION

*Growth in Plant, by FERC Account, for Electric Service*

August 17, 2016

Growth in types of plant, by FERC account - Electric Distribution Plant  
Avista Utilities - Electric

Account	Account Description	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total % chg
360200	Land & Land Rights	2,933,564	3,024,401	3,270,162	3,321,680	3,340,938	3,340,938	3,340,938	3,433,321	3,551,811	21.07%
360400	Land Easements	-	10,213	64,225	58,252	109,403	191,183	428,922	518,938	478,864	4588.77%
361000	Structures & Improvements	7,505,798	8,180,460	9,375,772	9,662,293	10,571,317	12,471,946	12,775,647	12,873,592	13,274,752	76.86%
362000	Station Equipment	51,305,500	53,159,243	57,659,052	60,487,489	65,126,051	69,795,614	75,968,354	77,899,960	79,924,181	55.78%
363000	Energy Storage Equipment	-	-	-	-	-	-	-	-	1,744,842	N/A
364000	Poles, Towers, & Fixtures	109,664,850	115,562,450	124,188,633	134,249,552	143,857,388	154,402,994	169,528,924	182,886,249	202,112,886	84.30%
365000	Overhead Conductors & Devices	70,283,512	73,881,563	78,990,549	85,951,738	94,225,801	104,480,963	113,751,100	122,933,161	128,921,435	83.43%
366000	Underground Conduit	38,110,131	41,550,607	44,850,573	47,146,537	49,243,852	52,379,089	54,792,113	57,046,232	59,581,656	56.34%
367000	Underground Conductors & Devices	64,648,926	69,942,396	75,870,119	80,927,238	85,235,830	89,383,659	92,832,595	99,464,645	105,786,684	63.63%
368000	Line Transformers	92,443,987	99,604,046	106,465,359	113,462,415	121,562,793	130,246,556	136,441,581	144,168,105	152,343,609	64.80%
370000	Meters	15,173,480	15,256,476	16,181,543	16,666,570	26,285,584	26,914,845	26,780,285	26,575,086	26,659,345	75.70%
369XXX	Services	62,882,136	66,146,105	69,507,211	73,032,506	76,191,151	78,883,666	86,538,632	90,399,345	94,299,329	49.96%
373XXX	Street Light & Signal Systems	14,115,120	14,930,304	15,778,106	17,177,093	20,332,048	21,240,070	23,460,531	24,596,686	26,372,845	86.84%
	Total Distribution Plant	529,067,004	561,248,264	602,201,304	642,143,363	696,082,156	743,731,523	796,639,622	842,794,720	895,052,239	40.89%

Account	Account Description	2007-8	2008-9	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	Avg Yr-Yr Growth
360200	Land & Land Rights	3.10%	8.13%	1.58%	0.58%	0.00%	0.00%	2.77%	3.45%	2.45%
360400	Land Easements	-	528.86%	-9.30%	87.81%	74.75%	124.35%	20.85%	-7.62%	117.10%
361000	Structures & Improvements	8.99%	14.61%	3.06%	9.41%	17.98%	2.44%	0.77%	3.12%	7.55%
362000	Station Equipment	3.61%	8.46%	4.91%	7.67%	7.17%	8.84%	2.54%	2.60%	5.73%
363000	Energy Storage Equipment	-	-	-	-	-	-	-	-	N/A
364000	Poles, Towers, & Fixtures	5.38%	7.46%	8.10%	7.16%	7.33%	9.80%	7.88%	10.51%	7.95%
365000	Overhead Conductors & Devices	5.12%	6.92%	8.81%	9.63%	10.88%	8.87%	8.07%	4.87%	7.90%
366000	Underground Conduit	9.03%	7.94%	5.12%	4.45%	6.37%	4.61%	4.11%	4.44%	5.76%
367000	Underground Conductors & Devices	8.19%	8.48%	6.7%	5.32%	4.87%	3.86%	7.14%	6.36%	6.36%
368000	Line Transformers	7.75%	6.89%	6.57%	7.14%	7.14%	4.76%	5.66%	5.67%	6.45%
370000	Meters	0.55%	6.06%	3.00%	57.71%	2.39%	-0.50%	-0.77%	0.32%	8.60%
369XXX	Services	5.19%	5.08%	5.07%	4.32%	3.53%	9.70%	4.46%	4.31%	5.21%
373XXX	Street Light & Signal Systems	5.78%	5.68%	8.87%	18.37%	4.47%	10.45%	4.84%	7.22%	8.21%
	Total Distribution Plant	6.08%	7.30%	6.63%	8.40%	6.85%	7.11%	5.79%	6.20%	6.80%





Growth in types of plant, by FERC account - Electric Transmission Plant  
Avista Utilities - Electric

Functional Group	Account	Account Description	Year										Total % Change
			2007	2008	2009	2010	2011	2012	2013	2014	2015		
TRANSMISSION PLANT	353000	Station Equipment	104,569,823	108,542,501	113,307,488	119,226,371	128,201,430	134,162,452	140,945,062	143,369,914	154,464,792	36.32%	
	354000	Towers & Fixtures	11,027,617	11,008,884	11,086,947	11,159,235	11,169,623	11,131,188	11,163,104	11,081,538	11,248,440	1.37%	
	355000	Poles & Fixtures	70,569,313	81,716,651	83,889,027	86,686,684	89,547,806	95,647,675	102,274,831	106,197,216	120,599,335	43.76%	
	356000	Overhead Conductors & Devices	53,470,352	65,241,605	67,732,733	69,634,316	71,301,050	73,527,275	76,772,274	79,141,985	83,414,865	23.12%	
	357000	Underground Conduit	362,445	1,289,689	1,690,180	1,697,736	1,699,820	1,693,827	1,730,148	1,939,449	1,953,887	15.60%	
	358000	Underground Conductors & Devices	851,238	1,365,723	1,511,518	1,518,275	1,520,139	1,514,780	1,519,079	1,508,588	1,531,797	1.94%	
	359000	Roads & Trails	1,179,959	1,186,013	1,214,526	1,219,955	1,221,453	1,217,147	1,247,923	1,262,460	1,282,240	5.58%	
	350XXX	Land & Land Rights	8,514,708	9,062,118	10,337,270	10,866,673	12,497,985	12,554,845	12,759,301	12,856,364	13,694,369	32.48%	
	351XXX	Energy Storage Eq/Computer Software	-	-	-	-	-	-	-	-	-	N/A	
	352XXX	Structures & Improvements	8,986,503	9,888,837	10,289,944	10,501,560	10,852,402	10,993,204	11,529,308	12,613,384	13,510,344	31.90%	
		<b>Total Transmission Plant</b>	259,531,958	289,301,971	301,089,653	312,504,805	328,011,708	342,382,393	359,941,030	371,970,898	401,700,069	33.42%	
	TRANSMISSION PLANT	353000	Station Equipment		3.80%	4.39%	5.22%	7.53%	4.65%	5.06%	5.06%	7.74%	5.01%
		354000	Towers & Fixtures		-0.17%	0.80%	0.51%	0.15%	-0.34%	0.29%	0.29%	1.51%	0.25%
355000		Poles & Fixtures		15.80%	2.66%	3.33%	3.30%	6.81%	6.81%	6.93%	5.79%	7.01%	
356000		Overhead Conductors & Devices		22.01%	3.85%	2.78%	2.39%	3.12%	4.41%	4.41%	3.09%	5.88%	
357000		Underground Conduit		255.83%	31.05%	0.45%	0.12%	-0.35%	2.14%	2.14%	12.10%	0.74%	
358000		Underground Conductors & Devices		60.44%	10.68%	0.45%	0.12%	-0.35%	0.28%	0.28%	-0.69%	1.54%	
359000		Roads & Trails		0.51%	2.40%	0.45%	0.12%	-0.35%	2.53%	2.53%	1.16%	1.57%	
350XXX		Land & Land Rights		6.43%	14.07%	5.12%	15.01%	0.45%	1.63%	1.63%	6.52%	6.25%	
351XXX		Energy Storage Eq/Computer Software		-	-	-	-	-	-	-	-	N/A	
352XXX		Structures & Improvements		10.04%	4.06%	2.06%	3.34%	0.74%	5.45%	5.45%	7.11%	5.28%	
		<b>Total Transmission Plant</b>		11.47%	4.07%	3.79%	4.96%	4.38%	5.13%	5.13%	7.99%	5.64%	

Growth in types of plant, by FERC account - Electric General Plant  
Avista Utilities - Electric

Account	Account Description	Year										Total % Change
		2007	2008	2009	2010	2011	2012	2013	2014	2015		
393000	Stores Equipment	531,381	650,185	669,841	906,387	1,047,145	1,220,465	1,413,654	1,639,603	1,914,086	260.21%	
394000	Tools, Shop & Garage Equipment	2,788,887	3,158,324	3,630,032	4,420,487	5,025,782	5,498,095	6,846,608	6,803,473	7,487,003	168.46%	
394100	Electric Charging Stations	-	-	-	-	-	-	-	-	1,394	N/A	
395000	Laboratory Equipment	2,358,932	2,402,705	1,251,721	1,228,366	1,033,177	968,315	877,893	754,043	746,456	-68.36%	
398000	Miscellaneous Equipment	313,659	300,904	235,193	230,058	207,038	203,072	242,866	332,525	267,249	-14.80%	
389XXX	Land & Land Rights	1,432,577	1,434,914	1,791,126	2,488,304	2,476,898	2,443,975	2,486,406	2,478,630	3,576,053	149.62%	
390XXX	Structures & Improvements	16,297,079	17,430,107	20,064,206	25,663,473	33,123,008	39,093,967	46,399,650	52,226,251	53,420,150	227.79%	
391XXX	Office Furniture & Equipment	11,254,739	13,830,943	14,496,578	18,094,152	21,826,575	26,016,198	29,174,775	30,790,102	36,339,980	222.89%	
392XXX	Transportation Equipment	6,728,209	7,055,213	8,246,604	11,725,145	13,319,646	14,408,535	16,741,194	21,929,117	25,813,995	283.67%	
396XXX	Power Operated Equipment	13,448,601	14,561,722	15,562,341	20,837,227	24,301,853	23,841,518	25,691,169	24,307,389	22,276,844	65.64%	
397XXX	Communications Equipment	26,213,897	30,380,081	32,779,112	35,403,086	37,856,790	41,409,613	49,260,287	55,605,806	60,883,160	132.26%	
	<b>Total General Plant</b>	81,367,961	91,205,098	98,726,754	120,996,685	140,217,912	155,103,753	179,134,502	196,866,939	212,726,370	161.44%	

Account	Account Description	Year										Avg Yr-Yr Growth
		2007-8	2008-9	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15			
393000	Stores Equipment	22.36%	3.02%	35.31%	15.53%	16.55%	15.83%	15.98%	16.74%	17.67%		
394000	Tools, Shop & Garage Equipment	13.25%	14.94%	21.78%	13.69%	9.40%	24.53%	-0.63%	10.05%	13.37%		
394100	Electric Charging Stations	-	-	-	-	-	-	-	-	N/A		
395000	Laboratory Equipment	1.86%	-47.90%	-1.87%	-15.89%	-6.28%	-9.34%	-14.11%	-1.01%	-11.82%		
398000	Miscellaneous Equipment	-4.07%	-21.84%	-2.18%	-10.01%	-1.92%	19.60%	36.92%	-19.63%	-0.39%		
389XXX	Land & Land Rights	0.16%	24.82%	38.92%	-0.46%	-1.33%	1.74%	-0.31%	44.28%	13.48%		
390XXX	Structures & Improvements	6.95%	15.11%	27.91%	29.07%	18.03%	18.69%	12.56%	2.29%	16.32%		
391XXX	Office Furniture & Equipment	22.89%	4.81%	24.82%	20.63%	19.20%	12.14%	5.54%	18.02%	16.01%		
392XXX	Transportation Equipment	4.86%	16.89%	42.18%	13.60%	8.18%	16.19%	30.99%	17.72%	18.82%		
396XXX	Power Operated Equipment	8.28%	6.87%	33.90%	16.63%	-1.89%	7.76%	-5.39%	-8.35%	7.22%		
397XXX	Communications Equipment	15.89%	7.90%	8.01%	6.93%	9.38%	18.96%	12.88%	9.49%	11.18%		
	<b>Total General Plant</b>	12.09%	8.25%	22.56%	15.89%	10.62%	15.49%	9.90%	8.06%	12.86%		