

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-20 \_\_\_\_\_

ELECTRIC WORKPAPERS

JOSEPH D. MILLER

REPRESENTING AVISTA CORPORATION

**AVISTA UTILITIES  
WASHINGTON ELECTRIC  
PRO FORMA REVENUE UNDER PRESENT AND PROPOSED BASE TARIFF RATES  
12 MONTHS ENDED DECEMBER 31, 2019**

WORK PAPER REFERENCE	TOTAL	RESIDENTIAL SCHEDULE 1,2	GENERAL SVC. SCH. 11,12	LG. GEN. SVC. SCH. 21,22	EX LG GEN SVC SCHEDULE 25	PUMPING SCH. 30, 31, 32	ST & AREA LTG SCH. 41-48
<b><u>PRESENT BILL DETERMINANTS</u></b>							
<b><u>KILOWATT HOURS (KWHS)</u></b>							
JDM-E-10	BLOCK 1	1,632,639,774	435,979,118	1,229,791,152	138,000,000	46,790,738	
JDM-E-10	BLOCK 2	504,552,668	191,116,384	146,237,824	564,644,247	92,769,241	
JDM-E-10	BLOCK 3	299,072,582			383,257,335		
JDM-E-10	BLOCK 4						
JDM-E-20	STREET & AREA LIGHTS						17,961,924
	<b>SUBTOTAL</b>	<b>5,682,812,988</b>	<b>2,436,265,025</b>	<b>627,095,503</b>	<b>1,376,028,976</b>	<b>139,559,979</b>	<b>17,961,924</b>
JDM-E-10	<b>SUBTOTAL</b>	<b>5,682,812,988</b>	<b>2,436,265,025</b>	<b>627,095,503</b>	<b>1,376,028,976</b>	<b>139,559,979</b>	<b>17,961,924</b>
JDM-E-10	<b>ADJUSTMENT TO ACTUAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JDM-E-3	<b>TOTAL BEFORE ADJUSTMENT</b>	<b>5,682,812,988</b>	<b>2,436,265,025</b>	<b>627,095,503</b>	<b>1,376,028,976</b>	<b>139,559,979</b>	<b>17,961,924</b>
JDM-E-3	<b>WEATHER &amp; UNBILLED ADJ. KWHS</b>	<b>(52,372,625)</b>	<b>(40,779,500)</b>	<b>(5,197,349)</b>	<b>(6,458,850)</b>	<b>0</b>	<b>63,074</b>
	<b>TOTAL PROFORMA KWHS</b>	<b>5,630,440,363</b>	<b>2,395,485,525</b>	<b>621,898,154</b>	<b>1,369,570,126</b>	<b>139,623,053</b>	<b>17,961,924</b>
JDM-E-10	TOTAL BILLS		2,619,517	391,801	22,941	276	29,492
JDM-E-10	MINIMUM BILLS						
JDM-E-10	EXCESS DEMAND		438,308	2,648,036	1,278,599		
<b><u>PROPOSED BILL DETERMINANTS</u></b>							
<b><u>KILOWATT HOURS (KWHS)</u></b>							
	BLOCK 1	1,632,639,774	435,979,118	1,229,791,152	138,000,000	46,790,738	0
	BLOCK 2	504,552,668	191,116,384	146,237,824	564,644,247	92,769,241	0
	BLOCK 3	299,072,582	0	0	383,257,335	0	0
	BLOCK 4	0	0	0	0	0	0
	STREET & AREA LIGHTS	0	0	0	0	0	17,961,924
	<b>SUBTOTAL</b>	<b>5,682,812,988</b>	<b>2,436,265,025</b>	<b>627,095,503</b>	<b>1,376,028,976</b>	<b>139,559,979</b>	<b>17,961,924</b>
		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>SUBTOTAL</b>	<b>5,682,812,988</b>	<b>2,436,265,025</b>	<b>627,095,503</b>	<b>1,376,028,976</b>	<b>139,559,979</b>	<b>17,961,924</b>
	<b>ADJUSTMENT TO ACTUAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>TOTAL BEFORE ADJUSTMENT</b>	<b>5,682,812,988</b>	<b>2,436,265,025</b>	<b>627,095,503</b>	<b>1,376,028,976</b>	<b>139,559,979</b>	<b>17,961,924</b>
	<b>WEATHER &amp; UNBILLED ADJ. KWHS</b>	<b>(52,372,625)</b>	<b>(40,779,500)</b>	<b>(5,197,349)</b>	<b>(6,458,850)</b>	<b>0</b>	<b>63,074</b>
	<b>TOTAL PROFORMA KWHS</b>	<b>5,630,440,363</b>	<b>2,395,485,525</b>	<b>621,898,154</b>	<b>1,369,570,126</b>	<b>139,623,053</b>	<b>17,961,924</b>
	TOTAL BILLS		2,619,517	391,801	22,941	276	29,492
	MINIMUM BILLS						
	EXCESS DEMAND		438,308	2,648,036	1,278,599		

**AVISTA UTILITIES  
WASHINGTON ELECTRIC  
PRO FORMA REVENUE UNDER PRESENT AND PROPOSED BASE TARIFF RATES  
12 MONTHS ENDED DECEMBER 31, 2019**

WORK PAPER REFERENCE	TOTAL	RESIDENTIAL SCHEDULE 1	GENERAL SVC. SCH. 11,12	LG. GEN. SVC. SCH. 21,22	EX LG GEN SVC SCHEDULE 25	PUMPING SCH. 30, 31, 32	ST & AREA LTG SCH. 41-48
<u>PRESENT RATES</u>							
JDM-E-21	BASIC CHARGE	\$9.00	\$20.00			\$20.00	
	MONTHLY MINIMUM						
JDM-E-21	BLOCK 1 PER KWH	8.103¢	11.686¢	7.535¢	5.505¢	10.292¢	
JDM-E-21	BLOCK 2 PER KWH	9.427¢	8.588¢	6.742¢	4.953¢	7.350¢	
JDM-E-21	BLOCK 3 PER KWH	11.053¢			4.235¢		
	BLOCK 4 PER KWH						
	ADJUST TO ACTUAL PER KWH	8.739¢	10.742¢	7.451¢		8.336¢	
JDM-E-21	DEMAND BLOCK 1			\$550.00	\$30,650.00		
JDM-E-21	DEMAND BLOCK 2		\$7.00	\$7.00	\$8.30		
<u>PROPOSED RATES</u>							
	BASIC CHARGE	\$9.00	\$20.00			\$20.00	
	MONTHLY MINIMUM						
	BLOCK 1 PER KWH	8.852¢	12.815¢	8.353¢	6.117¢	11.191¢	
	BLOCK 2 PER KWH	10.299¢	9.418¢	7.474¢	5.503¢	7.992¢	
	BLOCK 3 PER KWH	12.075¢			4.706¢		
	BLOCK 4 PER KWH						
	ADJUST TO ACTUAL PER KWH	9.547¢	11.780¢	8.260¢		9.065¢	
	DEMAND BLOCK 1			\$550.00	\$30,650.00		
	DEMAND BLOCK 2		\$7.00	\$7.00	\$8.30		

**Note: Rates do not include BPA Residential Exchange Program Schedule 59, , Decoupling Schedule 75, Public Purpose Adjustment Schedules 89,91,92, REC Revenue Adjustment Schedule 98 or Power Cost Surcharge Schedule 93.**

**AVISTA UTILITIES  
WASHINGTON ELECTRIC  
PRO FORMA REVENUE UNDER PRESENT AND PROPOSED BASE TARIFF RATES  
12 MONTHS ENDED DECEMBER 31, 2019**

WORK PAPER REFERENCE	TOTAL	RESIDENTIAL SCHEDULE 1	GENERAL SVC. SCH. 11,12	LG. GEN. SVC. SCH. 21,22	EX LG GEN SVC SCHEDULE 25	PUMPING SCH. 30, 31, 32	ST & AREA LTG SCH. 41-48
<b><u>PRESENT REVENUE</u></b>							
<b>BASE TARIFF REVENUE</b>							
	BASIC CHARGE	\$32,001,513	\$23,575,653	\$7,836,020		\$589,840	
	MONTHLY MINIMUM	0					
	BLOCK 1	288,318,687	132,292,801	50,948,520	92,664,763	7,596,900	4,815,703
	BLOCK 2	108,621,978	47,564,180	16,413,075	9,859,354	27,966,830	6,818,539
	BLOCK 3	49,287,441	33,056,493			16,230,948	
	BLOCK 4	0					
	DEMAND BLOCK 1	21,076,950			12,617,550	8,459,400	
	DEMAND BLOCK 2	32,216,778		3,068,156	18,536,249	10,612,373	
JDM-E-22/23	POWER FACTOR ADJUSTMENT	126,292		0	126,292		0
JDM-E-29/8	PRIMARY VOLTAGE DISCOUNT	(1,683,453)			(65,169)	(1,618,284)	
	ANNUAL MINIMUM ADJUSTMENT	0				0	
JDM-E-11	STREET & AREA LIGHT REVENUE	6,628,665					6,628,665
	<b>SUBTOTAL</b>	<b>\$536,594,851</b>	<b>\$236,489,126</b>	<b>\$78,265,771</b>	<b>\$133,739,040</b>	<b>\$69,248,167</b>	<b>\$12,224,082</b>
		0	0	0	0	0	0
	<b>SUBTOTAL</b>	<b>\$536,594,851</b>	<b>\$236,489,126</b>	<b>\$78,265,771</b>	<b>\$133,739,040</b>	<b>\$69,248,167</b>	<b>\$12,224,082</b>
	<b>ADJUST TO ACTUAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>TOTAL BASE TARIFF REVENUE</b>	<b>\$536,594,851</b>	<b>\$236,489,126</b>	<b>\$78,265,771</b>	<b>\$133,739,040</b>	<b>\$69,248,167</b>	<b>\$12,224,082</b>
	<b>ADJUSTMENT REVENUE</b>						
	<b>UNBILLED REVENUE ADJUSTMENT</b>						
JDM-E-15	UNBILLED LOAD KWHS	(9,617,800)	(4,921,431)	(1,087,941)	(3,671,502)	63,074	
JDM-E-5/6	UNBILLED LOAD RATE		8.739¢	10.742¢	7.451¢	8.336¢	
	UNBILLED LOAD REVENUE	(\$815,261)	(\$430,101)	(\$116,865)	(\$273,553)	\$5,258	
JDM-E-17	WEATHER-SENSITIVE KWHS	0	0	0	0		
JDM-E-5/6	WEATHER-SENSITIVE RATE		9.775¢	8.588¢	7.163¢		
	WEATHER-SENSITIVE REVENUE	\$0	\$0	\$0	\$0		
JDM-E-15	TOTAL UNBILLED KWH ADJUST	(9,617,800)	(4,921,431)	(1,087,941)	(3,671,502)	63,074	0
	TOTAL UNBILLED REVENUE ADJ	(\$815,261)	(\$430,101)	(\$116,865)	(\$273,553)	\$5,258	
	<b>WEATHER NORMALIZATION ADJ</b>						
JDM-E-17	WEATHER-SENSITIVE KWHS	(42,754,825)	(35,858,069)	(4,109,408)	(2,787,348)		
JDM-E-5/6	WEATHER-SENSITIVE RATE		9.775¢	8.588¢	7.163¢		
	WEATHER-SENSITIVE REVENUE	(\$4,057,556)	(\$3,504,987)	(\$352,916)	(\$199,653)		
	<b>TOTAL ADJUSTMENT REVENUE</b>	<b>(\$4,872,817)</b>	<b>(\$3,935,088)</b>	<b>(\$469,781)</b>	<b>(\$473,207)</b>	<b>\$5,258</b>	
	<b>TOTAL BASE TARIFF REVENUE</b>	<b>536,594,851</b>	<b>236,489,126</b>	<b>78,265,771</b>	<b>133,739,040</b>	<b>69,248,167</b>	<b>12,224,082</b>
	<b>TOTAL PRESENT REVENUE</b>	<b>\$531,722,034</b>	<b>\$232,554,039</b>	<b>\$77,795,990</b>	<b>\$133,265,833</b>	<b>\$69,248,167</b>	<b>\$12,229,340</b>



**AVISTA UTILITIES  
WASHINGTON ELECTRIC  
PRO FORMA REVENUE UNDER PRESENT AND PROPOSED BASE TARIFF RATES  
12 MONTHS ENDED DECEMBER 31, 2019**

WORK PAPER  
REFERENCE

	RATES	TOTAL KWHS	TOTAL REVENUE	BASELOAD KWHS	BASELOAD REVENUE	WTHR-SENS. KWHS	WTHR-SENS. REVENUE
<u>PRESENT BASELOAD AND WEATHER-SENSITIVE RATES</u>							
<b>SCHEDULE 1</b>							
0-800 KWHS	8.103¢	1,632,639,774	\$132,292,801	1,508,841,792	\$122,261,450	123,797,982	\$10,031,351
801-1500 KWHS	9.427¢	504,552,668	\$47,564,180	0	\$0	504,552,668	\$47,564,180
OVER 100 KWHS	11.053¢	299,072,582	\$33,056,493	0	\$0	299,072,582	\$33,056,493
TOTAL		2,436,265,025	\$212,913,473	1,508,841,792	\$122,261,450	927,423,233	\$90,652,023
AVERAGE RATE			8.739¢		8.103¢		9.775¢
<u>PROPOSED BASELOAD AND WEATHER-SENSITIVE RATES</u>							
<b>SCHEDULE 1</b>							
0-800 KWHS	8.852¢	1,632,639,774	\$144,521,273	1,508,841,792	\$133,562,675	123,797,982	\$10,958,597
801-1500 KWHS	10.299¢	504,552,668	\$51,963,879	0	\$0	504,552,668	\$51,963,879
OVER 1500 KWHS	12.075¢	299,072,582	\$36,113,014	0	\$0	299,072,582	\$36,113,014
TOTAL		2,436,265,025	\$232,598,166	1,508,841,792	\$133,562,675	927,423,233	\$99,035,491
AVERAGE RATE			9.547¢		8.852¢		10.679¢
<u>PRESENT BASELOAD AND WEATHER-SENSITIVE RATES</u>							
<b>SCHEDULE 11</b>							
0-3650 KWHS	11.686¢	435,979,118	\$50,948,520	435,979,118	\$50,948,520	0	\$0
over 3650 KWHS	8.588¢	191,116,384	\$16,413,075	138,009,347	\$11,852,243	53,107,038	\$4,560,832
TOTAL		627,095,503	\$67,361,595	573,988,465	\$62,800,762	53,107,038	\$4,560,832
AVERAGE RATE			10.742¢		10.941¢		8.588¢
<u>PROPOSED BASELOAD AND WEATHER-SENSITIVE RATES</u>							
<b>SCHEDULE 11</b>							
0-3650 KWHS	12.815¢	435,979,118	\$55,870,724	435,979,118	\$55,870,724	0	\$0
over 3650 KWHS	9.418¢	191,116,384	\$17,999,341	138,009,347	\$12,997,720	53,107,038	\$5,001,621
TOTAL		627,095,503	\$73,870,065	573,988,465	\$68,868,444	53,107,038	\$5,001,621
AVERAGE RATE			11.780¢		11.998¢		9.418¢

Note: Total Base Load for Sch. 1 = Base Load per bill times total billings (base load per bill on JDM-E-18) =  
663 X 2,619,517 = 1,508,841,792  
Total Base Load for Sch. 11 = 1,338 X 391,801 = 573,988,465

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12 MONTHS ENDED DECEMBER 31, 2019**

WORK PAPER REFERENCE	RATES	TOTAL KWHS	TOTAL REVENUE	BASELOAD KWHS	BASELOAD REVENUE	WTHR-SENS. KWHS	WTHR-SENS. REVENUE
<u>PRESENT BASELOAD AND WEATHER-SENSITIVE RATES</u>							
<b>SCHEDULE 21</b>							
0-250000 KWHS	7.535¢	1,229,791,152	\$92,664,763	1,229,791,152	\$92,664,763	0	\$0
OVER 250000 KWHS	6.742¢	146,237,824	\$9,859,354	146,237,824	\$9,859,354	0	\$0
TOTAL		1,376,028,976	102,524,117	1,431,334,872	102,524,117	0	0
AVERAGE RATE			7.451¢		7.163¢		#DIV/0!
<u>PROPOSED BASELOAD AND WEATHER-SENSITIVE RATES</u>							
<b>SCHEDULE 21</b>							
0-250000 KWHS	8.353¢	1,229,791,152	\$102,724,455	1,229,791,152	\$102,724,455	0	\$0
OVER 250000 KWHS	7.474¢	146,237,824	\$10,929,815	146,237,824	\$10,929,815	0	\$0
TOTAL		1,376,028,976	113,654,270	1,431,334,872	113,654,270	0	0
AVERAGE RATE					7.940¢		#DIV/0!

Note: Total Base Load for Sch. 21 = Base Load per bill times total billings (base load per bill on JDM-E-18) =  
53,800 X 22,941 = 1,431,334,872

Washington Schedule 25 Billing Determinants

KWHs	Acct No.	12-mo Ended												1st	500,000	6,000,000	
		Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	Total	500,000 kwhs/mo	6,000,000 kwhs/mo	Over kwhs/mo
1		6,430,355	5,834,220	6,772,223	5,461,138	6,566,826	6,641,355	6,479,962	6,676,870	6,590,296	4,241,370	3,978,169	3,647,007	69,319,790	6,000,000	59,161,904	4,157,887
2		2,489,222	2,924,872	3,069,759	2,967,686	2,938,064	2,839,666	2,858,247	2,982,000	2,826,235	2,987,326	2,858,726	2,088,534	33,830,336	6,000,000	27,830,336	
3		1,540,777	1,346,983	1,473,202	1,247,284	1,264,634	1,231,642	1,276,636	1,211,727	1,230,002	1,437,600	1,268,366	1,327,428	15,856,281	6,000,000	9,856,281	
4		1,352,948	1,264,439	1,402,042	1,231,146	1,287,875	1,221,032	1,295,526	1,267,560	1,223,765	1,341,955	1,374,169	1,435,293	15,697,750	6,000,000	9,697,750	
5		1,702,092	1,591,292	1,673,400	1,630,085	1,897,795	1,883,614	2,068,525	2,152,669	1,809,992	1,622,815	1,526,811	1,680,708	21,239,798	6,000,000	15,239,798	
6		2,304,565	2,401,188	2,216,379	2,001,342	1,765,532	1,635,488	1,831,124	2,051,921	2,065,095	2,194,744	2,178,733	2,139,620	24,785,732	6,000,000	18,785,732	
7		1,228,851	1,108,142	1,209,638	1,196,999	1,275,578	1,274,087	1,361,623	1,441,545	1,281,734	1,280,936	1,253,442	1,206,101	15,118,676	6,000,000	9,118,676	
8		1,014,296	920,665	1,040,462	1,028,404	1,090,068	1,089,215	1,102,202	1,142,723	1,004,531	1,109,871	957,184	1,008,655	12,508,276	6,000,000	6,508,276	
9		36,161,892	35,055,804	35,276,106	34,282,368	38,684,638	37,544,592	40,314,368	40,335,278	38,614,866	40,639,056	33,404,254	40,786,226	451,099,448	6,000,000	66,000,000	379,099,448
10		5,425,757	4,067,650	5,397,126	4,048,065	5,523,718	5,344,492	5,579,020	5,677,426	5,432,990	5,384,127	4,750,036	4,830,865	61,461,271	6,000,000	55,461,271	
11		5,699,154	4,675,479	5,387,805	3,086,608	5,451,589	5,317,446	5,464,402	5,389,888	4,830,078	5,042,687	3,148,918	4,548,415	58,042,468	6,000,000	52,042,468	
12		3,145,376	2,906,864	3,123,668	3,080,977	3,501,914	3,576,136	3,982,117	4,114,333	3,464,177	3,097,832	2,982,909	3,113,639	40,089,941	6,000,000	34,089,941	
13		908,496	840,762	892,970	907,828	1,046,361	1,030,852	1,122,425	1,142,553	998,960	891,912	850,725	890,436	11,524,279	6,000,000	5,524,279	
14		1,041,768	961,987	979,598	998,028	1,073,129	963,899	1,020,265	951,238	939,187	1,032,137	791,913	874,927	11,628,077	6,000,000	5,628,077	
15		1,277,909	1,119,014	1,207,836	1,144,088	1,235,388	1,242,377	1,362,211	1,430,923	1,217,521	1,178,335	1,179,503	1,089,341	14,684,447	6,000,000	8,684,447	
16		2,443,134	2,144,335	2,337,362	2,038,019	1,872,601	1,966,054	2,046,626	1,872,030	1,706,878	2,161,275	2,097,822	2,095,229	24,781,165	6,000,000	18,781,165	
17		2,625,235	2,513,678	2,712,830	2,454,127	2,385,270	2,260,983	2,338,896	2,448,113	2,425,590	2,592,274	2,521,019	2,595,869	29,873,883	6,000,000	23,873,883	
18		4,074,088	3,735,432	3,894,820	3,475,767	3,975,954	4,146,438	4,743,233	5,200,296	4,225,128	3,955,310	4,073,921	4,189,061	49,689,449	6,000,000	43,689,449	
19		3,338,542	3,082,229	3,179,446	2,963,474	2,905,484	2,736,304	2,831,325	2,882,762	2,935,838	3,192,197	3,254,874	3,400,228	36,702,704	6,000,000	30,702,704	
20		3,026,576	2,990,184	3,046,976	2,713,032	2,616,832	2,535,008	2,541,848	2,592,288	2,438,608	2,575,288	2,593,312	2,605,920	32,275,872	6,000,000	26,275,872	
21		2,366,302	2,198,090	2,276,613	2,306,926	2,288,518	2,609,135	3,090,948	3,605,997	3,042,250	2,602,236	2,213,898	2,088,850	30,689,764	6,000,000	24,689,764	
22		756,162	715,803	698,617	760,234	810,712	771,814	766,338	799,288	783,356	2,483,057	2,890,653	2,797,082	15,033,116	6,000,000	9,033,116	
23		900,862	857,478	846,149	766,487	827,744	800,738	837,921	860,076	779,373	846,573	830,374	815,283	9,969,057	6,000,000	3,969,057	
Schedule 25 Total		91,254,362	85,256,588	90,115,026	81,790,112	92,286,223	90,662,370	96,315,788	98,229,504	91,866,248	93,890,911	82,979,731	91,254,718	1,085,901,581	138,000,000	564,644,247	383,257,335
Revenue Run Total		92,475,541	91,334,912	85,256,588	90,115,026	81,790,112	92,286,223	90,638,942	96,199,702	98,369,017	91,866,248	93,890,911	82,979,731	1,087,202,954			1,085,901,581
Booked Unbilled Reversal		(92,515,285)	(91,484,247)	(84,934,068)	(89,487,500)	(79,454,560)	(92,015,166)	(91,195,162)	(95,775,976)	(94,768,404)	(91,927,127)	(93,727,705)	(83,601,582)	(1,080,886,782)			
Gross Booked Unbilled		91,484,247	84,934,068	89,487,500	79,454,560	92,015,166	91,195,166	95,775,976	94,768,404	91,927,127	93,727,705	83,601,582	90,893,021	1,079,264,518			
Gross Unbilled True-up		(229,885)	241,971	546,977	190,508	(613,342)	190,508	(613,342)	482,689	3,520,064	(141,428)	82,656	(702,401)	281,147			5,913,957
Unbilled Reversal True-up		39,744	229,885	(241,971)	(546,977)	(2,255,002)	(190,508)	613,342	(482,689)	(3,520,064)	141,428	(82,656)	702,401	(5,593,066)			
Adj Revenue Runs, Sch 25		91,254,362	85,256,588	90,115,026	81,790,112	92,286,223	90,662,370	96,315,788	98,229,504	91,866,248	93,890,911	82,979,731	91,254,718	1,085,901,581			

KVA	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	Total	Peak	Month	
1	11,235	13,097	12,788	11,813	19,728	11,695	10,956	11,235	11,020	9,748	7,453	7,325	138,092	19,728	May/19	
2	5,486	5,434	5,276	5,056	4,984	5,005	5,088	5,058	5,126	5,103	5,137	5,128	61,881	5,486	Jan/19	
3	3,170	2,957	3,009	2,718	2,605	2,581	2,646	2,771	2,656	2,912	2,818	2,970	33,813	3,170	Jan/19	
4	2,776	2,727	2,696	2,486	2,524	2,698	2,645	2,607	2,607	2,612	2,852	2,987	32,250	2,987	Dec/19	
5	2,798	2,926	2,825	3,132	3,477	3,747	3,914	3,811	3,653	2,698	2,698	2,856	38,537	3,914	Jul/19	
6	4,694	4,608	4,350	4,169	4,654	4,533	4,784	5,479	5,486	4,221	4,551	4,496	56,023	5,486	Sep/19	
7	2,837	2,880	2,822	2,974	3,029	3,196	3,339	3,523	3,280	3,115	3,080	3,008	37,083	3,523	Aug/19	
8	4,138	4,134	4,111	4,135	4,168	4,213	4,224	4,273	4,214	4,158	4,171	4,258	50,197	4,273	Aug/19	
9	56,980	58,491	60,724	60,695	59,634	59,915	60,955	62,500	60,333	61,349	61,453	62,887	725,916	62,887	Dec/19	
10	9,494	8,152	8,445	8,251	8,416	8,439	8,465	8,618	8,465	8,445	8,123	8,375	101,688	9,494	Jan/19	
11	8,558	8,575	8,704	8,473	8,776	9,150	8,848	8,727	8,415	8,497	8,603	8,632	103,958	9,150	Jun/19	
12	4,980	5,000	5,544	5,907	6,389	6,829	7,122	7,274	6,707	5,606	4,896	4,949	71,204	7,274	Aug/19	
13	1,801	1,808	1,766	2,097	2,343	2,440	2,558	2,603	2,421	1,999	1,730	1,771	25,338	2,603	Aug/19	
14	5,920	5,993	5,928	5,817	6,388	6,221	6,305	6,174	6,325	6,242	6,406	6,102	73,823	6,406	Nov/19	
15	2,938	2,939	2,931	2,894	3,410	3,302	3,509	3,667	3,698	3,131	2,915	2,900	38,233	3,698	Sep/19	
16	5,028	4,788	4,943	4,612	4,607	4,394	4,424	4,238	4,362	4,490	4,603	4,524	55,013	5,028	Jan/19	
17	4,576	4,594	4,793	4,270	4,179	4,026	4,061	4,215	4,600	4,512	4,444	4,483	52,753	4,793	Mar/19	
18	7,562	7,320	6,878	7,474	8,303	9,730	10,781	11,331	10,798	7,294	7,735	7,646	102,851	11,331	Aug/19	
19	5,925	5,829	5,447	5,451	4,763	4,751	4,658	5,287	5,266	5,078	5,797	5,922	64,776	5,925	Jan/19	
20	5,543	9,428	5,700	5,096	4,945	4,816	4,644	4,859	4,945	5,057	4,989	4,920	64,942	9,428	Feb/19	
21	4,284	4,290	4,226	4,553	5,085	6,309	5,920	7,192	9,555	8,276	4,246	4,204	68,139	9,555	Sep/19	
22	2,223	2,149	1,910	2,119	2,298	2,136	2,247	2,660	2,377	6,980	6,503	6,408	40,009	6,980	Oct/19	
23	3,734	3,841	3,713	3,776	3,660	3,602	3,660	3,629	3,525	3,639	3,738	3,735	44,252	3,841	Feb/19	
Schedule 25 Total		166,682	171,959	169,527	167,969	178,364	173,729	175,753	181,762	179,836	175,761	168,943	170,484	2,080,770		

KVA in excess of 3,000	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	Total	12-mo Ended
1	8,235	10,097	9,788	8,813	16,728	8,695	7,956	8,235	8,020	6,748	4,453	4,325	102,092	
2	2,486	2,434	2,276	2,056	1,984	2,005	2,088	2,058	2,126	2,103	2,137	2,128	25,881	
3	170	-	9	-	-	-	-	-	-	-	-	-	180	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	-	-	-	132	477	747	914	811	653	-	-	-	3,736	
6	1,694	1,608	1,350	1,169	1,654	1,533	1,784	2,479	2,486	1,221	1,551	1,496	20,023	
7	-	-	-	-	29	196	339							



10	6,494	5,152	5,445	5,251	5,416	5,439	5,465	5,618	5,465	5,445	5,123	5,375	65,688
11	5,558	5,575	5,704	5,473	5,776	6,150	5,848	5,727	5,415	5,497	5,603	5,632	67,958
12	1,980	2,000	2,544	2,907	3,389	3,829	4,122	4,274	3,707	2,606	1,896	1,949	35,204
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	2,920	2,993	2,928	2,817	3,388	3,221	3,305	3,174	3,325	3,242	3,406	3,102	37,823
15	-	-	-	-	410	302	509	667	698	131	-	-	2,717
16	2,028	1,788	1,943	1,612	1,607	1,394	1,424	1,238	1,362	1,490	1,603	1,524	19,013
17	1,576	1,594	1,793	1,270	1,179	1,026	1,061	1,215	1,600	1,512	1,444	1,483	16,753
18	4,562	4,320	3,878	4,474	5,303	6,730	7,781	8,331	7,798	4,294	4,735	4,646	66,851
19	2,925	2,829	2,447	2,451	1,763	1,751	1,658	2,287	2,266	2,678	2,797	2,922	28,776
20	2,543	6,428	2,700	2,096	1,945	1,816	1,644	1,859	1,945	2,057	1,989	1,920	28,942
21	1,284	1,290	1,226	1,553	2,085	3,309	2,920	4,192	6,555	5,276	1,246	1,204	32,139
22	-	-	-	-	-	-	-	-	-	3,980	3,503	3,408	10,891
23	734	841	713	776	660	602	660	629	525	639	738	735	8,252
Schedule 25 Total	100,308	105,574	103,579	101,681	111,594	106,873	108,657	114,087	112,775	108,541	101,930	103,001	1,278,599

	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	Total
<b>9 KWHs</b>													
60 KV													-
4.16 KV													-
115 KV													-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-
	36,161,892	35,055,804	35,276,106	34,282,368	38,684,638	37,544,592	40,314,368	40,335,278	38,614,866	40,639,056	33,404,254	40,786,226	451,099,448
<b>9 KVA</b>													
60 KV	12,148	10,722	10,827	8,691	8,812	9,212	8,571	8,267	9,002	9,878	13,562	10,503	120,196
4.16 KV													-
115 KV	48,672	48,816	52,129	51,408	50,688	51,552	52,272	54,002	52,128	54,144	51,264	54,288	621,364
Total	60,820	59,538	62,956	60,099	59,500	60,764	60,843	62,269	61,131	64,023	64,827	64,792	741,560
	56,980	58,491	60,724	60,695	59,634	59,915	60,955	62,500	60,333	61,349	61,453	62,887	725,916
Calc Revenue for 9	\$ 1,867,452	\$ 1,827,721	\$ 1,844,456	\$ 1,813,433	\$ 1,998,116	\$ 1,948,907	\$ 2,074,496	\$ 2,082,582	\$ 1,997,073	\$ 2,086,827	\$ 1,774,889	\$ 2,101,525	\$ 23,417,476
Revenue for 9 per Handbill Report													\$ -
	1,867,452	1,827,721	1,844,456	1,813,433	1,998,116	1,948,907	2,074,496	2,082,582	1,997,073	2,086,827	1,774,889	2,101,525	-
<b>Primary Voltage Discount</b>													
>11 and <60	-0.20	(19,530.37)	(19,520.25)	(19,393.54)	(19,101.21)	(21,280.43)	(20,110.42)	(20,397.60)	(20,910.37)	(20,525.26)	(18,819.95)	(18,350.45)	(236,352.85)
>60 and <115	-1.52	(18,464.25)	(16,298.11)	(16,457.18)	(13,209.64)	(13,393.77)	(14,002.33)	(13,027.49)	(12,566.55)	(13,683.50)	(15,015.23)	(20,614.85)	(182,698.01)
>115	-1.93	(93,936.96)	(94,214.88)	(100,608.58)	(99,217.83)	(97,828.23)	(99,495.75)	(100,885.35)	(104,223.34)	(100,607.43)	(104,498.29)	(98,939.91)	(1,199,232.73)
	(131,931.58)	(130,033.24)	(136,459.30)	(131,528.67)	(132,502.43)	(133,608.50)	(134,310.44)	(137,700.27)	(134,816.19)	(138,333.47)	(137,905.20)	(139,154.32)	(1,618,283.59)

**AVISTA UTILITIES  
WASHINGTON ELECTRIC  
PRESENT & PROPOSED RATE OF RETURN BY RATE SCHEDULE  
12 MONTHS ENDED DECEMBER 31, 2018**

	<b>Total</b>	<b>Sch 1</b>	<b>Sch 11</b>	<b>Sch 21</b>	<b>Sch 25</b>	<b>Sch 31</b>	<b>Schs 41-48</b>
Total Rate Base	1,877,557,000	1,000,841,966	232,908,576	385,101,731	181,619,969	43,824,830	33,259,928
Revenue From Retail Rates	531,722,000	232,554,000	77,796,000	133,266,000	69,248,000	12,229,000	6,629,000
Other Operating Revenues	70,350,000	30,446,191	7,874,370	16,999,813	12,940,211	1,760,705	328,710
Total Revenues	602,072,000	263,000,191	85,670,370	150,265,813	82,188,211	13,989,705	6,957,710
Total Operating Exp b4 conv items & taxes	462,774,000	236,371,685	54,433,436	97,132,839	60,656,523	10,412,528	3,766,990
Revenue Related conversion items	24,369,000	10,658,029	3,565,417	6,107,626	3,173,659	560,459	303,809
Income Taxes	8,798,000	-1,138,927	2,817,717	4,822,635	1,782,853	248,355	265,367
Total Expenses	495,941,000	245,890,786	60,816,570	108,063,100	65,613,036	11,221,341	4,336,167
<b>Net Operating Income</b>	<b>106,131,000</b>	<b>17,109,405</b>	<b>24,853,800</b>	<b>42,202,713</b>	<b>16,575,175</b>	<b>2,768,363</b>	<b>2,621,544</b>
<b>Present Rate of Return</b>	<b>5.65%</b>	<b>1.71%</b>	<b>10.67%</b>	<b>10.96%</b>	<b>9.13%</b>	<b>6.32%</b>	<b>7.88%</b>
<b>Present Return Ratio</b>	<b>1.00</b>	<b>0.30</b>	<b>1.89</b>	<b>1.94</b>	<b>1.61</b>	<b>1.12</b>	<b>1.39</b>
Interest Expense	46,563,000	24,820,660	5,776,081	9,550,438	4,504,135	1,086,846	824,839
Proposed Misc Revenue Increase	0						
Proposed Rate Revenue Increase	44,185,000	8.31%					
Proposed Rev Increase	44,185,000						
Proposed Rate Revenues	575,907,000	change					
incremental conversion expenses	1,941,000	44,185,000		Uncollectibles	0.003326		
incremental Income Taxes	8,871,000			Commiss Fees	0.002000		
Proposed Return	139,504,000	33,373,000		Excise Tax	0.038605		
Proposed Return %	7.43%			Federal Inc Tax	0.200774		
Allocation of incremental Misc Rev	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
<b>Target Relative Return</b>	<b>1.00</b>	<b>0.44</b>	<b>1.70</b>	<b>1.75</b>	<b>1.54</b>	<b>1.08</b>	<b>1.21</b>
Target Return %	7.43%	3.29%	12.61%	12.97%	11.44%	8.04%	9.02%
Target Return (NOI b4 Interest)	139,504,000	32,905,689	29,365,942	49,939,326	20,768,248	3,525,440	2,999,355
Target Return after Interest Expense	92,941,000	8,085,029	23,589,861	40,388,887	16,264,113	2,438,594	2,174,516
Target Return b4 Income Taxes & Interest	157,173,000	34,442,733	33,850,607	57,617,651	23,860,216	3,989,041	3,412,752
Target Return b4 Misc Rev	86,823,000	3,996,542	25,976,238	40,617,838	10,920,005	2,228,336	3,084,042
Total Operating Exp b4 conv items & taxes	462,774,000	236,371,685	54,433,436	97,132,839	60,656,523	10,412,528	3,766,990
Conversion Items	26,310,000	11,506,773	3,849,327	6,594,323	3,426,472	605,136	327,969
<b>Incremental Rate Revenue</b>	<b>44,185,000</b>	<b>19,321,000</b>	<b>6,463,000</b>	<b>11,079,000</b>	<b>5,755,000</b>	<b>1,017,000</b>	<b>550,000</b>
<b>Target Rate Revenue</b>	<b>575,907,000</b>	<b>251,875,000</b>	<b>84,259,000</b>	<b>144,345,000</b>	<b>75,003,000</b>	<b>13,246,000</b>	<b>7,179,000</b>
<b>Change in Rate Revenue</b>	<b>8.31%</b>	<b>8.31%</b>	<b>8.31%</b>	<b>8.31%</b>	<b>8.31%</b>	<b>8.32%</b>	<b>8.30%</b>

**AVISTA UTILITIES  
WASHINGTON ELECTRIC  
ACTUAL / PRO FORMA BILLING DETERMINANTS BY RATE SCHEDULE  
12 MONTHS ENDED DECEMBER 31, 2019**

<u>Schedule 1, 2</u>	<u>0-800 kWhs</u>	<u>801-1500 kWhs</u>	<u>over 1500 kWhs</u>	<u>Total kWhs</u>	<u>Total Billings(2)</u>	
kWhs per billing run	1,632,639,774	504,552,668	299,072,582	2,436,265,025	2,619,517	
Total kWhs per Rev. Run				<b>2,436,265,025</b>		
Adjust. kWhs to Actual				-		
<u>Schedule 11,12</u>	<u>0-3,650 kWhs</u>	<u>over 3,650 kWhs</u>	<u>Total kWhs</u>	<u>kw over 20(1)</u>	<u>Total Billings(2)</u>	<u>kvar billed(1)</u>
kWhs per Revenue Run	435,979,118	191,116,384	627,095,503	438,308	391,801	-
Shifted from Sch 21	-	-	-	-	-	-
Total by Block	435,979,118	191,116,384	627,095,503	438,308	391,801	-
Total kWhs per Rev. Run			<b>627,095,503</b>			
Schedule Shifting from 21			-			
Total Adjusted kWhs			<b>627,095,503</b>			
Adjust. kWhs to Actual			-			
<u>Schedule 21,22</u>	<u>0-250,000 kWhs</u>	<u>over 250,000 kWhs</u>	<u>Total kWhs</u>	<u>kw over 50(1)</u>	<u>Total Billings(2)</u>	<u>kvar billed(1)</u>
kWhs per Revenue Run	1,229,791,152	146,237,824	1,376,028,976	2,648,036	22,941	252,585
Special Contract Shifted to Sched 21	-	-	-	-	-	-
Shifted to Sch 011	-	-	-	-	-	-
Total	1,229,791,152	146,237,824	1,376,028,976	2,648,036	22,941	252,585
Total kWhs per Rev. Run			<b>1,376,028,976</b>			
Schedule Shifting to Sch. 21			-			
Schedule Shifting to Sch. 11			-			
Total adjusted kWhs			<b>1,376,028,976</b>			
Adjust. kWhs to Actual			-			
<u>Schedule 25(3)</u>	<u>0-500,000 kWhs</u>	<u>500,001-6M kWhs</u>	<u>&gt; 6M kWhs</u>	<u>Total kWhs</u>	<u>kva over 3,000</u>	<u>Total Billings(2)</u>
Total	138,000,000	564,644,247	383,257,335	1,085,901,581	1,278,599	276
<u>Schedule 30, 31, &amp; 32</u>	<u>Block 1 kWhs</u>	<u>Block 2 kWhs</u>	<u>Block 3 kWhs</u>	<u>Total kWhs</u>	<u>Total Billings(2)</u>	<u>kvar billed(1)</u>
kWhs per billing run (30,31& 32)	35,517,018	11,273,720	92,769,241	139,559,979	29,492	-
Schedule 31 to 30 Shifting Adj	-	-	0	-		
Total Schs. 30,31&32	35,517,018	11,273,720	92,769,241	139,559,979		
Total kWhs per Rev. Run				<b>139,559,979</b>		
Adjust kWhs to Actual				-		

**Avista  
Electric  
Rate Spread**

No.	Type of Service	Schedule Number	Base Tariff Revenue Under Present Rates(1)	Percentage of Base Increase	Base Tariff Percent Increase	Proposed General Increase	Proposed Base Tariff Revenue
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Residential	1/2	\$232,554	100.00%	8.3%	\$19,324	\$251,878
2	General Service	11/12	\$77,796	100.00%	8.3%	\$6,464	\$84,260
3	Large General Service	21/22	\$133,266	100.00%	8.3%	\$11,074	\$144,339
4	Extra Large General Service	25	\$69,248	100.00%	8.3%	\$5,754	\$75,002
5	Pumping Service	30/31/32	\$12,229	100.00%	8.3%	\$1,016	\$13,246
6	Street & Area Lights	41-48	<u>\$6,629</u>	100.00%	8.3%	<u>\$551</u>	<u>\$7,179</u>
7	Total		\$531,722		8.3%	\$44,183	\$575,906

**Schedule 001 Bill Impact**

<b>Schedule 001 Present</b>					<b>Schedule 001 Proposed</b>					Bill Impact	% Change
Basic Charge	Block 1	Block 2	Total Bill		Basic Charge	Block 1	Block 2	Total Bill			
	\$9.00	\$0.07858	\$0.09182			\$9.00	\$0.07858	\$0.09182			
100	\$9.00	\$ 7.86		\$16.86	\$9.00	\$ 7.86		\$16.86	\$0.00	0.0%	
200	\$9.00	\$ 15.72		\$24.72	\$9.00	\$ 15.72		\$24.72	\$0.00	0.0%	
300	\$9.00	\$ 23.57		\$32.57	\$9.00	\$ 23.57		\$32.57	\$0.00	0.0%	
400	\$9.00	\$ 31.43		\$40.43	\$9.00	\$ 31.43		\$40.43	\$0.00	0.0%	
500	\$9.00	\$ 39.29		\$48.29	\$9.00	\$ 39.29		\$48.29	\$0.00	0.0%	
600	\$9.00	\$ 47.15		\$56.15	\$9.00	\$ 47.15		\$56.15	\$0.00	0.0%	
700	\$9.00	\$ 55.01		\$64.01	\$9.00	\$ 55.01		\$64.01	\$0.00	0.0%	
800	\$9.00	\$ 62.86		\$71.86	\$9.00	\$ 62.86		\$71.86	\$0.00	0.0%	
914	\$9.00	\$ 62.86	\$ 10.47	\$82.33	\$9.00	\$ 62.86	\$ 10.47	\$82.33	\$0.00	0.0%	
1000	\$9.00	\$ 62.86	\$ 18.36	\$90.22	\$9.00	\$ 62.86	\$ 18.36	\$90.22	\$0.00	0.0%	
1100	\$9.00	\$ 62.86	\$ 27.55	\$99.41	\$9.00	\$ 62.86	\$ 27.55	\$99.41	\$0.00	0.0%	
1200	\$9.00	\$ 62.86	\$ 36.73	\$108.59	\$9.00	\$ 62.86	\$ 36.73	\$108.59	\$0.00	0.0%	
1300	\$9.00	\$ 62.86	\$ 45.91	\$117.77	\$9.00	\$ 62.86	\$ 45.91	\$117.77	\$0.00	0.0%	
1400	\$9.00	\$ 62.86	\$ 55.09	\$126.96	\$9.00	\$ 62.86	\$ 55.09	\$126.96	\$0.00	0.0%	
1500	\$9.00	\$ 62.86	\$ 64.27	\$136.14	\$9.00	\$ 62.86	\$ 64.27	\$136.14	\$0.00	0.0%	

**AVISTA UTILITIES  
WASHINGTON ELECTRIC  
STREET & AREA LIGHT REVENUE UNDER PRESENT & PROPOSED RATES  
12 MONTHS ENDED DECEMBER 31, 2019**

	<u>Present Rates(1)</u>		<u>Proposed Rates(2)</u>		<u>% Revenue Change</u>	
	<u>Monthly Revenue</u>	<u>Annual Revenue</u>	<u>Monthly Revenue</u>	<u>Annual Revenue</u>	<u>Base Rates</u>	<u>Billing Rates</u>
Schedule 41	\$ 181	\$ 2,175	\$ 196	\$ 2,356	8.3%	0.0%
Schedule 42	350,635	4,207,623	379,745	4,556,940	8.3%	0.0%
Schedule 44	1,996	23,947	2,161	25,934	8.3%	0.0%
Schedule 45	2,721	32,650	2,947	35,360	8.3%	0.0%
Schedule 46	9,042	108,508	9,792	117,498	8.3%	0.0%
Schedule 47	120,186	1,442,234	130,156	1,561,867	8.3%	0.0%
Schedule 48	<u>67,627</u>	<u>811,528</u>	<u>73,239</u>	<u>878,871</u>	8.3%	0.0%
Total	<u>\$ 552,389</u>	<u>\$ 6,628,665</u>	<u>\$ 598,236</u>	<u>\$ 7,178,826</u>	<u>8.3%</u>	<u>0.0%</u>
<b>Sch 46 Per kWh Rate</b>		<b>\$ 0.10414</b>		<b>\$ 0.11277</b>		

(1) from JDM-E-12/14

(2) from JDM-E-13/14



WASHINGTON Area Lights (Schedule 47)

Fixture Type	Pole Facility	Size	Sched	# of Lights(1)		Pres. Rates		Monthly Rev% rate increase -->		8.3%		Monthly Rev.	
				047	048	047	048	at Pres. Rates		Prop. Rates		at Prop. Rates	
								047	048	047	048	047	048
Sodium Vapor	Floodlight on existing standard	250W	HAIH	101	3	\$22.77	\$22.77	\$2,300	\$68	\$24.66	\$24.66	\$2,491	\$74
Sodium Vapor	Kim light w/25' fiberglass pole	100W	HAI	17	2	\$29.74	\$29.74	\$506	\$59	\$32.21	\$32.21	\$548	\$64
Sodium Vapor	on existing standard	100W	HPIA	386	491	\$14.12	\$14.12	\$5,450	\$6,933	\$15.29	\$15.29	\$5,902	\$7,507
Sodium Vapor	on existing standard	200W	HPIB	860	398	\$20.05	\$20.05	\$17,243	\$7,980	\$21.71	\$21.71	\$18,671	\$8,641
Sodium Vapor	on existing standard	400W	HPIA	119	8	\$27.70	\$27.70	\$3,296	\$222	\$30.00	\$30.00	\$3,570	\$240
Sodium Vapor	35' wood pole	200W	HPIA	560	175	\$27.86	\$27.86	\$15,602	\$4,876	\$30.17	\$30.17	\$16,895	\$5,280
Sodium Vapor	35' wood pole	100W	HPIE	280	202	\$20.68	\$20.68	\$5,790	\$4,177	\$22.40	\$22.40	\$6,272	\$4,525
Sodium Vapor	35' wood pole	400W	HPIA	45	4	\$35.60	\$35.60	\$1,602	\$142	\$38.55	\$38.55	\$1,735	\$154
Sodium Vapor	30' steel pole	200W	HPL	41	7	\$34.98	\$34.98	\$1,434	\$245	\$37.88	\$37.88	\$1,553	\$265
Sodium Vapor	25' steel pole	200W	HPO	1	1	\$30.30	\$30.30	\$30	\$30	\$32.81	\$32.81	\$33	\$33
Sodium Vapor	20' fiberglass pole	100W	HPS	96	135	\$20.68	\$20.68	\$1,985	\$2,792	\$22.40	\$22.40	\$2,150	\$3,024
Sodium Vapor	30' steel pole w/2 arms	200W	HPY	13		\$59.28	\$59.28	\$771		\$64.20	\$64.20	\$935	
Mercury Vapor	on existing standard	7000	MVA	92	198	\$16.24	\$16.24	\$1,494	\$3,216	\$17.59	\$17.59	\$1,618	\$3,483
Mercury Vapor	on existing standard	10000	MVB	134	209	\$19.46	\$19.46	\$2,608	\$4,067	\$21.08	\$21.08	\$2,825	\$4,406
Mercury Vapor	on existing standard	20000	MVC	247	15	\$27.67	\$27.67	\$6,834	\$415	\$29.97	\$29.97	\$7,403	\$450
Mercury Vapor	30' wood pole	7000	MVD	35	87	\$20.27	\$20.27	\$709	\$1,763	\$21.95	\$21.95	\$768	\$1,910
Mercury Vapor	30' wood pole	10000	MVE	45	43	\$23.53	\$23.53	\$1,059	\$1,012	\$25.48	\$25.48	\$1,147	\$1,096
Mercury Vapor	30' wood pole	20000	MVF	120	17	\$31.77	\$31.77	\$3,812	\$540	\$34.41	\$34.41	\$4,129	\$585
Mercury Vapor	25' steel	10000	MVH		5	\$29.71	\$29.71		\$149	\$32.18	\$32.18		\$161
Mercury Vapor	25' steel	20000	MVI	1		\$37.89	\$37.89	\$38		\$41.03	\$41.03	\$41	
Mercury Vapor	30' steel	7000	MVJ	2		\$27.71	\$27.71	\$55		\$30.01	\$30.01	\$60	
Mercury Vapor	30' steel	10000	MVK		25	\$30.97	\$30.97		\$774	\$33.54	\$33.54		\$839
Mercury Vapor	30' steel	20000	MVL	2		\$39.17	\$39.17	\$78		\$42.42	\$42.42	\$85	
Mercury Vapor	Special	7000	MVV		2	\$8.12	\$8.12		\$16	\$6.80	\$6.80		\$18
Mercury Vapor	35' wood pole	n/a	PA	53	2	\$6.54	\$6.54	\$347	\$13	\$7.08	\$7.08	\$375	\$14
LED	on existing standard	70W	HPAL	517	844	\$14.12	\$14.12	\$7,300	\$11,917	\$15.29	\$15.29	\$7,905	\$12,905
LED	on existing standard	107W	HPBL	470	114	\$20.05	\$20.05	\$9,424	\$2,286	\$21.71	\$21.71	\$10,204	\$2,475
LED	on existing standard	241W	HPCL	115	6	\$27.70	\$27.70	\$3,186	\$166	\$30.00	\$30.00	\$3,450	\$180
LED	20' fiberglass pole	70W	HPSL	16	105	\$20.68	\$20.68	\$331	\$2,171	\$22.40	\$22.40	\$358	\$2,362
LED	35' wood pole	70W	HPPL	376	415	\$20.68	\$20.68	\$7,776	\$8,582	\$22.40	\$22.40	\$8,422	\$9,296
LED	35' wood pole	107W	HPDL	428	75	\$27.86	\$27.86	\$11,924	\$2,090	\$30.17	\$30.17	\$12,913	\$2,263
LED	25' steel pole	107W	HPLL		5	\$30.30	\$30.30		\$152	\$32.81	\$32.81		\$164
LED	30' steel pole	107W	HPLL	12	4	\$34.98	\$34.98	\$420	\$140	\$37.88	\$37.88	\$455	\$152
LED	30' steel pole w/2 arms	107W	HPYL	5		\$59.28	\$59.28	\$296		\$64.20	\$64.20	\$321	
LED	Granville w/16' decorative pole	70W	HAGL	3		\$30.78	\$30.78	\$92		\$33.33	\$33.33	\$100	
LED	Post Top w/16' decorative pole	70W	HAPL	5	3	\$29.36	\$29.36	\$147	\$98	\$31.80	\$31.80	\$159	\$95
LED	35 ft direct buried steel pole	70W	HAML	8		\$29.05	\$29.05		\$232	\$31.46	\$31.46		\$252
LED	Floodlight on existing standard	125W	HAML	60	12	\$15.67	\$15.67	\$940	\$188	\$16.97	\$16.97	\$1,018	\$204
LED	Floodlight 35ft wood pole	125W	HANL	16	2	\$22.21	\$22.21	\$355	\$44	\$24.05	\$24.05	\$385	\$48
LED	70W Kim light w/25ft Fiberglass	70W	HAIL	1		\$29.74	\$29.74	\$30		\$32.21	\$32.21	\$32	
LED	30 ft Fiberglass direct buried	70W	HAOL	2	3	\$27.03	\$27.03	\$54	\$81	\$29.27	\$29.27	\$59	\$88
LED	on existing standard (Capital On 248W		HARL	19		\$18.56	\$18.56	\$353		\$20.10	\$20.10	\$382	
LED	35 ft Fiberglass direct buried	107W	HAKL			\$29.78	\$29.78			\$32.25	\$32.25		
LED	30 steel pole pedestal base	70W	HPKL	1		\$29.05	\$29.05	\$29		\$31.46	\$31.46	\$31	
LED	30 steel pole pedestal base (Dev	107W	HPZL	46		\$27.86	\$27.86	\$1,282		\$30.17	\$30.17	\$1,388	
LED	35' wood pole	248W	HPGL	90		\$35.60	\$35.60	\$3,204		\$38.55	\$38.55	\$3,470	
			SLB			\$0.00	\$0.00			\$0.00	\$0.00		\$0
			SLC		166	\$0.00	\$0.00		\$0	\$0.00	\$0.00		\$0
			SLD			\$0.00	\$0.00			\$0.00	\$0.00		\$0
			Total	5,432	3,791			\$120,186	\$67,627			\$130,156	\$73,239
					9,223				\$187,814				\$203,395



WUTC Docket No. UE-20\_\_\_\_  
 Normalized Usage by Month  
 Twelve Months Ended December 31, 2019  
 WASHINGTON ELECTRIC SYSTEM

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
<b>Revenue Run Billed Usage</b>													
Residential Schedule 001/002	268,421,353	248,463,642	272,094,704	189,257,389	159,137,014	150,640,891	167,011,451	182,841,598	175,504,030	166,990,371	197,141,569	258,761,012	2,436,265,025
General Svc Schedule 011/012	59,920,327	57,839,488	61,576,960	49,969,769	45,483,878	45,253,592	48,403,035	51,264,596	51,101,182	46,524,849	49,608,710	60,149,115	627,095,503
Large Gen Svc Schedule 021/022	120,581,417	113,255,795	119,857,364	108,672,043	107,356,122	110,519,104	116,480,752	118,121,979	117,306,042	113,212,431	107,981,227	122,684,702	1,376,028,976
Extra Large Gen Schedule 25	92,475,541	91,334,912	85,256,588	90,115,026	81,790,112	92,286,223	90,638,942	96,199,702	98,369,017	91,866,248	93,890,911	82,979,731	1,087,202,954
Pumping Schedule 31/32	4,367,813	4,176,908	4,399,347	4,615,684	11,922,026	18,540,612	23,327,967	25,106,393	24,282,323	10,323,876	4,196,695	4,300,335	139,559,979
Street and Area Lights	1,588,090	1,465,579	1,457,301	1,504,468	1,481,577	1,502,971	1,517,746	1,485,523	1,534,874	1,490,310	1,428,253	1,505,232	17,961,924
<b>Total Revenue Run Billed Usage</b>	<b>547,354,540</b>	<b>516,536,325</b>	<b>544,642,265</b>	<b>444,134,378</b>	<b>407,170,729</b>	<b>418,743,394</b>	<b>447,379,893</b>	<b>475,019,789</b>	<b>468,097,469</b>	<b>430,408,085</b>	<b>454,247,365</b>	<b>530,380,127</b>	<b>5,684,114,360</b>
<b>Net Unbilled Usage</b>													
Residential Schedule 001/002	(744,659)	(2,683,367)	(20,846,183)	(23,671,293)	(2,222,282)	1,855,413	12,095,334	7,754,773	(21,671,300)	21,863,253	22,946,150	402,730	(4,921,431)
General Svc Schedule 011/012	(1,292,707)	581,461	(5,503,135)	(2,343,069)	1,099,299	1,707,800	2,646,801	1,310,656	(5,243,733)	5,116,676	3,081,066	(2,249,056)	(1,087,941)
Large Gen Svc Schedule 021/022	(4,855,163)	(391,203)	(10,975,898)	164,290	6,455,952	5,885,973	5,568,586	341,680	(12,220,860)	15,456,139	(344,627)	(8,756,371)	(3,671,502)
Extra Large Gen Schedule 25	(1,031,038)	(6,550,179)	4,553,432	(10,032,940)	12,560,606	(820,004)	4,580,814	(1,007,572)	(2,841,277)	1,800,578	(10,126,123)	7,291,439	(1,622,264)
Pumping Schedule 31/32	(27,568)	68,064	(376,525)	201,549	1,215,463	2,150,665	1,965,064	1,604,802	(2,204,896)	(2,381,165)	(1,828,420)	(323,959)	63,074
Street and Area Lights	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Net Unbilled Usage</b>	<b>(7,951,135)</b>	<b>(8,975,224)</b>	<b>(33,148,309)</b>	<b>(35,681,463)</b>	<b>19,109,038</b>	<b>10,779,847</b>	<b>26,856,599</b>	<b>10,004,339</b>	<b>(44,182,066)</b>	<b>41,855,481</b>	<b>13,728,046</b>	<b>(3,635,217)</b>	<b>(11,240,064)</b>
<b>Other Usage Adjustments</b>													
Extra Large Gen Schedule 25	(190,141)	471,856	305,006	1,708,026	(2,064,495)	(803,850)	1,096,032	3,037,374	(3,661,492)	224,084	(785,057)	983,548	320,891
<b>Weather Adjustment</b>													
Residential Schedule 001/002	6,683,941	(38,586,897)	(21,820,475)	4,045,887	11,850,868	(5,307,066)	15,150,402	(11,998,999)	259,188	(16,096,417)	(1,174,373)	21,135,872	(35,858,069)
General Svc Schedule 011/012	725,103	(4,189,699)	(2,358,273)	328,552	965,607	(966,044)	2,098,785	(1,659,958)	36,202	(1,272,492)	(93,919)	2,276,728	(4,109,408)
Large Gen Svc Schedule 021/022	397,747	(2,259,839)	(1,299,040)	33,177	138,665	(1,511,718)	2,513,371	(1,980,388)	42,496	(97,145)	(9,681)	1,245,007	(2,787,348)
Extra Large Gen Schedule 25	-	-	-	-	-	-	-	-	-	-	-	-	-
Pumping Schedule 31/32	-	-	-	-	-	-	-	-	-	-	-	-	-
Street and Area Lights	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Weather Adjustment</b>	<b>7,806,791</b>	<b>(45,036,435)</b>	<b>(25,477,788)</b>	<b>4,407,616</b>	<b>12,955,140</b>	<b>(7,784,828)</b>	<b>19,762,558</b>	<b>(15,639,345)</b>	<b>337,886</b>	<b>(17,466,054)</b>	<b>(1,277,973)</b>	<b>24,657,607</b>	<b>(42,754,825)</b>
<b>Normalized Test Year Usage</b>													
Residential Schedule 001/002	274,360,635	207,193,378	229,428,046	169,631,983	168,765,600	147,189,238	194,257,187	178,597,372	154,091,918	172,757,207	218,913,346	280,299,614	2,395,485,525
General Svc Schedule 011/012	59,352,723	54,231,250	53,715,552	47,955,252	47,548,784	45,995,348	53,148,621	50,915,294	45,893,651	50,369,033	52,595,857	60,176,787	621,898,154
Large Gen Svc Schedule 021/022	116,124,001	110,604,753	107,582,426	108,869,510	113,950,739	114,893,359	124,562,709	116,483,271	105,127,678	128,571,425	107,626,919	115,173,338	1,369,570,126
Extra Large Gen Schedule 25	91,254,362	85,256,588	90,115,026	81,790,112	92,286,223	90,662,370	96,315,788	98,229,504	91,866,248	93,890,911	82,979,731	91,254,718	1,085,901,581
Pumping Schedule 31/32	4,340,245	4,244,972	4,022,822	4,817,233	13,137,489	20,691,277	25,293,031	26,711,195	22,077,427	7,942,711	2,368,275	3,976,376	139,623,053
Street and Area Lights	1,588,090	1,465,579	1,457,301	1,504,468	1,481,577	1,502,971	1,517,746	1,485,523	1,534,874	1,490,310	1,428,253	1,505,232	17,961,924
<b>Total Normalized Test Year Usage</b>	<b>547,020,055</b>	<b>462,996,522</b>	<b>486,321,174</b>	<b>414,568,557</b>	<b>437,170,412</b>	<b>420,934,563</b>	<b>495,095,081</b>	<b>472,422,158</b>	<b>420,591,797</b>	<b>455,021,597</b>	<b>465,912,382</b>	<b>552,386,065</b>	<b>5,630,440,363</b>
	<b>9.7%</b>	<b>8.2%</b>	<b>8.6%</b>	<b>7.4%</b>	<b>7.8%</b>	<b>7.5%</b>	<b>8.8%</b>	<b>8.4%</b>	<b>7.5%</b>	<b>8.1%</b>	<b>8.3%</b>	<b>9.8%</b>	<b>100.0%</b>

Avista  
 Capital Recovery Factor Calculation  
 Present - UE-190334

Cost of Capital				Source
Capital Component	Capital Structure	Component Cost	Weighted Cost	
Long Term Debt	51.500%	5.1500%	2.652%	Settlement Stipulation
Preferred Equity	0.000%	0.0000%	0.000%	Settlement Stipulation
Common Equity	48.500%	9.4000%	4.559%	Settlement Stipulation
<b>Total</b>	<b>100.00%</b>		<b>7.211%</b>	

Grossed-up Rate of Return			
Tax Gross-up Factor			1.325
Weighted ROE * Tax Gross-up		1.325 * 4.95%	6.039%
Long Term Debt			2.652%
Preferred Equity * Tax Gross-up		1.325 * 0.000%	0.000%
<b>Grossed-up Rate of Return</b>			<b>8.691%</b>

Account Number	Plant in Service	Test Year Depreciation Expense	Effective Depreciation Rate	
373 - Street Lighting	\$42,485,000	\$1,386,000	3.262%	Knox
Revenue Conversion Factor (Before FIT)			0.955631	
<b>Grossed-Up Depreciation Rate</b>			<b>3.414%</b>	

\*From Cost of Service (Knox)

**Capital Recovery Factor 12.105%**

Avista  
 Capital Recovery Factor Calculation  
 Proposed - UE-200\_\_\_

Cost of Capital				Source
Capital Component	Capital Structure	Component Cost	Weighted Cost	
Long Term Debt	50.000%	4.9650%	2.483%	
Preferred Equity	0.000%	0.0000%	0.000%	
Common Equity	50.000%	9.9000%	4.950%	
<b>Total</b>	<b>100.00%</b>		<b>7.433%</b>	

Grossed-up Rate of Return			
Tax Gross-up Factor			1.324
Weighted ROE * Tax Gross-up		1.325 * 4.950%	6.554%
Long Term Debt			2.483%
Preferred Equity * Tax Gross-up		1.325 * 0.000%	0.000%
<b>Grossed-up Rate of Return</b>			<b>9.036%</b>

Andrew's Conversion Factor

Account Number	Plant in Service	Test Year Depreciation Expense	Effective Depreciation Rate	
373 - Street Lighting	\$42,569,000	\$909,000	2.135%	From Cost of Service (Knox)
Revenue Conversion Factor (Before FIT)			0.956069	Andrew's Conversion Factor
<b>Grossed-Up Depreciation Rate</b>			<b>2.233%</b>	

\*From Cost of Service (Knox)

**Capital Recovery Factor 11.270%**







<b>AVISTA UTILITIES PROPOSED COST OF CAPITAL WASHINGTON ELECTRIC</b>			
<b>Proposed Capital Structure</b>			
<b>Component</b>	<b>Capital Structure</b>	<b>Cost</b>	<b>Weighted Cost</b>
Debt	50.0%	<b>4.97%</b>	2.48%
Common	50.0%	<b>9.90%</b>	4.95%
Total	<u>100.00%</u>		<u>7.43%</u>

**AVISTA UTILITIES  
 REVENUE CONVERSION FACTOR  
 WASHINGTON ELECTRIC  
 TWELVE MONTHS ENDED DECEMBER 31, 2019**

<b>Line No.</b>	<b>Description</b>	<b>Factor</b>
1	<b>Revenues</b>	1.000000
	<b>Expense:</b>	
2	Uncollectibles	0.003326
3	Commission Fees	0.002000
4	Washington Excise Tax	0.038605
6	Total Expense	<u>0.043931</u>
7	Net Operating Income Before FIT	0.956069
8	Federal Income Tax @ 21%	<u>0.200774</u>
9	<b>REVENUE CONVERSION FACTOR</b>	<u><u>0.755294</u></u>

12.2019	Total	January	February	March	April	May	June	July	August	September	October	November	December
Normal DDH	6,513	1,103	915	775	542	298	137	26	30	158	534	863	1,132
Actual DDH	6,748	1,052	1,218	938	500	180	96	8	3	209	697	875	972
Unbilled DDH	-235	51	-303	-163	42	118	41	18	27	-51	-163	-12	160
Normal DDC	503	0	0	0	0	15	52	209	185	41	1	0	0
Actual DDC	523	0	0	0	0	14	87	152	230	40	0	0	0
Unbilled DDC	-20	0	0	0	0	1	-35	57	-45	1	1	0	0

Rate Group

WA Res Sched 1	-35,858,069	6,683,941	-38,586,897	-21,820,475	4,045,887	11,850,868	-5,307,066	15,150,402	-11,998,999	259,188	-16,096,417	-1,174,373	21,135,872
No of Cust	218,287	218,066	211,896	222,742	215,988	220,080	217,378	217,866	218,561	212,449	225,194	219,427	219,799
Usage/DDH		0.601	0.601	0.601	0.446	0.446	0.446	0.000	0.000	0.000	0.446	0.446	0.601
Usage/DDC		0.000	0.000	0.000	1.220	1.220	1.220	1.220	1.220	1.220	1.220	1.220	0.000
WA Res Sched 11	-846,183	173,282	-1,000,888	-566,523	113,325	324,534	6,048	171,480	-135,810	2,951	-452,177	-32,492	550,087
No of Cust	9,724	9,680	9,411	9,902	9,671	9,766	9,692	9,736	9,767	9,551	10,011	9,705	9,795
Usage/DDH		0.351	0.351	0.351	0.279	0.279	0.279	0.000	0.000	0.000	0.279	0.279	0.351
Usage/DDC		0.000	0.000	0.000	0.309	0.309	0.309	0.309	0.309	0.309	0.309	0.309	0.000
WA Com Sched 11	-3,205,454	540,441	-3,122,797	-1,754,806	209,600	626,098	-971,577	1,917,840	-1,516,615	33,084	-798,647	-59,857	1,691,782
No of Cust	22,735	22,789	22,164	23,152	22,684	22,817	22,711	22,734	22,772	22,354	23,230	22,673	22,739
Usage/DDH		0.465	0.465	0.465	0.220	0.220	0.220	0.000	0.000	0.000	0.220	0.220	0.465
Usage/DDC		0.000	0.000	0.000	1.480	1.480	1.480	1.480	1.480	1.480	1.480	1.480	0.000
WA Ind Sched 11	-57,771	11,380	-66,014	-36,944	5,627	14,975	-515	9,465	-7,533	167	-21,668	-1,570	34,859
No of Cust	125	127	124	129	127	119	129	123	124	124	127	124	124
Usage/DDH		1.757	1.757	1.757	1.055	1.055	1.055	0.000	0.000	0.000	1.055	1.055	1.757
Usage/DDC		0.000	0.000	0.000	1.350	1.350	1.350	1.350	1.350	1.350	1.350	1.350	0.000
WA Res Sched 21	-349,931	70,125	-366,630	-224,125	33,177	97,247	-38,759	114,551	-94,284	1,881	-140,233	-9,681	206,800
No of Cust	48	50	44	50	47	48	48	47	49	44	52	48	47
Usage/DDH		27.500	27.500	27.500	16.807	16.807	16.807	0.000	0.000	0.000	16.807	16.807	27.500
Usage/DDC		0.000	0.000	0.000	42.759	42.759	42.759	42.759	42.759	42.759	42.759	42.759	0.000
WA Com Sched 21	-2,311,267	307,653	-1,776,130	-1,011,092	0	39,975	-1,418,231	2,309,691	-1,819,347	39,111	41,544	0	975,559
No of Cust	1,772	1,768	1,718	1,818	1,772	1,758	1,782	1,782	1,778	1,720	1,827	1,757	1,787
Usage/DDH		3.412	3.412	3.412	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.412
Usage/DDC		0.000	0.000	0.000	22.739	22.739	22.739	22.739	22.739	22.739	22.739	22.739	0.000
WA Ind Sched 21	-126,150	19,969	-117,079	-63,823	0	1,443	-54,728	89,129	-66,757	1,504	1,544	0	62,648
No of Cust	76	76	75	76	77	72	78	78	74	75	77	73	76
Usage/DDH		5.152	5.152	5.152	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.152
Usage/DDC		0.000	0.000	0.000	20.047	20.047	20.047	20.047	20.047	20.047	20.047	20.047	0.000

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12.2019	Total	January	February	March	April	May	June	July	August	September	October	November	December
ID Res Sched 1	-17,317,498	3,299,412	-19,603,644	-10,553,768	2,107,972	6,037,703	-1,760,675	6,238,801	-4,933,723	109,884	-8,154,342	-608,998	10,503,880
No of Cust	109,799	109,281	109,288	109,370	109,346	109,458	109,284	109,672	109,858	110,104	110,464	110,566	110,894
Usage/DDH		0.592	0.592	0.592	0.459	0.459	0.459	0.000	0.000	0.000	0.459	0.459	0.592
Usage/DDC		0.000	0.000	0.000	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.000
ID Res Sched 11	-394,730	80,680	-476,593	-258,230	51,855	148,492	-4,373	90,844	-71,555	1,587	-205,190	-15,188	262,941
No of Cust	5,666	5,590	5,558	5,598	5,612	5,659	5,607	5,692	5,679	5,667	5,767	5,753	5,807
Usage/DDH		0.283	0.283	0.283	0.220	0.220	0.220	0.000	0.000	0.000	0.220	0.220	0.283
Usage/DDC		0.000	0.000	0.000	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.000
ID Com Sched 11	-2,397,909	405,063	-2,389,625	-1,292,057	160,767	478,113	-671,588	1,360,661	-1,074,933	23,774	-608,825	-46,246	1,256,987
No of Cust	16,196	16,209	16,095	16,177	16,151	16,243	16,106	16,250	16,261	16,184	16,383	16,261	16,033
Usage/DDH		0.490	0.490	0.490	0.237	0.237	0.237	0.000	0.000	0.000	0.237	0.237	0.490
Usage/DDC		0.000	0.000	0.000	1.469	1.469	1.469	1.469	1.469	1.469	1.469	1.469	0.000
ID Ind Sched 11	-26,016	5,007	-29,277	-15,498	2,670	7,698	-2,121	7,635	-6,028	132	-9,974	-731	14,471
No of Cust	121	127	125	123	122	123	122	121	121	119	119	117	117
Usage/DDH		0.773	0.773	0.773	0.521	0.521	0.521	0.000	0.000	0.000	0.521	0.521	0.773
Usage/DDC		0.000	0.000	0.000	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107	0.000
ID Res Sched 21	-72,151	13,417	-79,712	-42,881	6,037	17,401	-9,512	25,088	-19,807	440	-22,989	-1,725	42,092
No of Cust	17	17	17	17	17	17	17	17	17	17	17	17	17
Usage/DDH		15.475	15.475	15.475	8.455	8.455	8.455	0.000	0.000	0.000	8.455	8.455	15.475
Usage/DDC		0.000	0.000	0.000	25.891	25.891	25.891	25.891	25.891	25.891	25.891	25.891	0.000
ID Com Sched 21	-1,455,993	217,864	-1,281,373	-694,213	0	18,677	-646,452	1,053,868	-826,064	18,357	18,376	0	664,967
No of Cust	981	996	986	993	988	991	980	981	974	974	975	966	969
Usage/DDH		4.289	4.289	4.289	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.289
Usage/DDC		0.000	0.000	0.000	18.847	18.847	18.847	18.847	18.847	18.847	18.847	18.847	0.000
ID Ind Sched 21	-85,903	18,216	-108,223	-59,277	0	0	0	0	0	0	0	0	63,381
No of Cust	57	55	55	56	56	58	57	59	57	58	59	58	61
Usage/DDH		6.494	6.494	6.494	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.494
Usage/DDC		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Electric Adjustment	-64,505,025	11,846,450	-69,004,882	-38,393,712	6,736,917	19,663,224	-10,879,549	28,539,455	-22,571,455	492,060	-26,448,998	-1,950,861	37,466,326
WA subtotal	-42,754,825	7,806,791	-45,036,435	-25,477,788	4,407,616	12,955,140	-7,784,828	19,762,558	-15,639,345	337,886	-17,466,054	-1,277,973	24,657,607
ID subtotal	-21,750,200	4,039,659	-23,968,447	-12,915,924	2,329,301	6,708,084	-3,094,721	8,776,897	-6,932,110	154,174	-8,982,944	-672,888	12,808,719
Summarize by Schedule													
WA Sch 1	-35,858,069	6,683,941	-38,586,897	-21,820,475	4,045,887	11,850,868	-5,307,066	15,150,402	-11,998,999	259,188	-16,096,417	-1,174,373	21,135,872
WA Sch 11	-4,109,408	725,103	-4,189,699	-2,358,273	328,552	965,607	-966,044	2,098,785	-1,659,958	36,202	-1,272,492	-93,919	2,276,728
WA Sch 21	-2,787,348	397,747	-2,259,839	-1,299,040	33,177	138,665	-1,511,718	2,513,371	-1,980,388	42,496	-97,145	-9,681	1,245,007
ID Sch 1	-17,317,498	3,299,412	-19,603,644	-10,553,768	2,107,972	6,037,703	-1,760,675	6,238,801	-4,933,723	109,884	-8,154,342	-608,998	10,503,880
ID Sch 11	-2,818,655	490,750	-2,895,495	-1,565,785	215,292	634,303	-678,082	1,459,140	-1,152,516	25,493	-823,989	-62,165	1,534,399
ID Sch 21	-1,614,047	249,497	-1,469,308	-796,371	6,037	36,078	-655,964	1,078,956	-845,871	18,797	-4,613	-1,725	770,440

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12.2019	Total	January	February	March	April	May	June	July	August	September	October	November	December
Revenue Adjustment													
WA Sch 1	(\$3,314,360)	\$617,797	(\$3,566,587)	(\$2,016,867)	\$373,961	\$1,095,376	(\$490,532)	\$1,400,352	(\$1,109,067)	\$23,957	#####	(\$108,547)	\$1,953,589
WA Sch 11	(\$342,766)	\$60,481	(\$349,463)	(\$196,704)	\$27,405	\$80,541	(\$80,578)	\$175,060	(\$138,457)	\$3,020	(\$106,139)	(\$7,834)	\$189,902
WA Sch 21	(\$179,226)	\$25,575	(\$145,308)	(\$83,528)	\$2,133	\$8,916	(\$97,203)	\$161,610	(\$127,339)	\$2,732	(\$6,246)	(\$622)	\$80,054
Total WA	<b>(\$3,836,352)</b>	\$703,853	(\$4,061,358)	(\$2,297,099)	\$403,499	\$1,184,833	(\$668,313)	\$1,737,022	(\$1,374,863)	\$29,709	#####	(\$117,003)	\$2,223,545
	66%		65%	66%	65%	65%	73%	70%	70%	69%	65%	65%	66%
Decoupling Revenue Offset		0.01900	0.01900	0.01900	0.01900	0.01900	0.01900	0.01900	0.01900	0.01900	0.01900	0.01900	0.01900
WA Sch 1	(\$2,633,058)	\$490,802	(\$2,833,436)	(\$1,602,278)	\$297,089	\$870,210	(\$389,698)	\$1,112,494	(\$881,086)	\$19,032	#####	(\$86,234)	\$1,552,007
WA Sch 11	(\$264,689)	\$46,704	(\$269,859)	(\$151,897)	\$21,163	\$62,194	(\$62,223)	\$135,183	(\$106,918)	\$2,332	(\$81,962)	(\$6,050)	\$146,644
WA Sch 21	(\$126,265)	\$18,018	(\$102,371)	(\$58,846)	\$1,503	\$6,281	(\$68,480)	\$113,856	(\$89,712)	\$1,925	(\$4,400)	(\$438)	\$56,399
Total WA	<b>(\$3,024,012)</b>	\$555,524	(\$3,205,666)	(\$1,813,021)	\$319,755	\$938,685	(\$520,401)	\$1,361,533	(\$1,077,716)	\$23,289	#####	(\$92,722)	\$1,755,050
Revenue Related Expenses	<b>\$141,152</b>	0.046677	Decoupling Mechanism revenue conversion factor										
Decoupling Adjustment	<b>\$2,882,860</b>	\$64,722	(\$372,230)	(\$210,743)	\$22,666	\$68,475	(\$130,703)	\$249,039	(\$196,630)				
Revenue not captured in Decoupling													
WA Sch 1	(\$681,302)	\$126,995	(\$733,151)	(\$414,589)	\$76,872	\$225,166	(\$100,834)	\$287,858	(\$227,981)	\$4,925	(\$305,832)	(\$22,313)	\$401,582
WA Sch 11	(\$78,077)	\$13,777	(\$79,604)	(\$44,807)	\$6,242	\$18,347	(\$18,355)	\$39,877	(\$31,539)	\$688	(\$24,177)	(\$1,784)	\$43,258
WA Sch 21	(\$52,961)	\$7,557	(\$42,937)	(\$24,682)	\$630	\$2,635	(\$28,723)	\$47,754	(\$37,627)	\$807	(\$1,846)	(\$184)	\$23,655
Total WA	<b>(\$812,340)</b>	\$148,329	(\$855,692)	(\$484,078)	\$83,744	\$246,148	(\$147,912)	\$375,489	(\$297,147)	\$6,420	(\$331,855)	(\$24,281)	\$468,495
ID Sch 1	(\$1,679,812)	\$317,964	(\$1,889,203)	(\$1,017,067)	\$203,145	\$581,853	(\$169,676)	\$601,233	(\$475,463)	\$10,590	(\$785,834)	(\$58,689)	\$1,001,335
ID Sch 11	(\$204,944)	\$33,906	(\$200,050)	(\$108,180)	\$14,875	\$43,824	(\$46,849)	\$100,812	(\$79,627)	\$1,761	(\$56,929)	(\$4,295)	\$95,808
ID Sch 21	(\$88,954)	\$13,378	(\$78,784)	(\$42,701)	\$324	\$1,935	(\$35,173)	\$57,854	(\$45,356)	\$1,008	(\$247)	(\$92)	\$38,900
Total ID	<b>(\$1,973,710)</b>	\$365,248	(\$2,168,037)	(\$1,167,948)	\$218,344	\$627,612	(\$251,698)	\$759,899	(\$600,446)	\$13,359	(\$843,010)	(\$63,076)	\$1,136,043
	34%	34%	35%	34%	35%	35%	27%	30%	30%	31%	35%	35%	34%
FCA Revenue Offset		0.02499	0.02499	0.02499	0.02499	0.02499	0.02499	0.02499	0.02499	0.02499	0.02499	0.02499	0.02212
ID Sch 1	(\$1,216,901)	\$235,512	(\$1,399,308)	(\$753,328)	\$150,467	\$430,971	(\$125,677)	\$445,325	(\$352,169)	\$7,844	(\$582,057)	(\$43,470)	\$768,989
ID Sch 11	(\$130,103)	\$21,642	(\$127,692)	(\$69,051)	\$9,495	\$27,973	(\$29,904)	\$64,348	(\$50,826)	\$1,124	(\$36,338)	(\$2,741)	\$61,867
ID Sch 21	(\$46,409)	\$7,143	(\$42,066)	(\$22,800)	\$173	\$1,033	(\$18,780)	\$30,891	(\$24,218)	\$538	(\$132)	(\$49)	\$21,858
Total ID	<b>(\$1,393,413)</b>	\$264,297	(\$1,569,066)	(\$845,179)	\$160,135	\$459,977	(\$174,361)	\$540,564	(\$427,213)	\$9,506	(\$618,527)	(\$46,260)	\$852,714
Revenue Related Expenses	<b>\$8,135</b>	0.005838	Fixed Cost Adjustment Mechanism revenue conversion factor										
FCA Adjustment	<b>\$1,385,278</b>	\$28,785	(\$169,758)	(\$91,851)	\$9,668	\$29,006	(\$48,684)	\$95,239	(\$75,044)				
Revenue not captured in FCA													
ID Sch 1	(\$462,911)	\$82,452	(\$489,895)	(\$263,739)	\$52,678	\$150,882	(\$43,999)	\$155,908	(\$123,294)	\$2,746	(\$203,777)	(\$15,219)	\$232,346
ID Sch 11	(\$74,841)	\$12,264	(\$72,358)	(\$39,129)	\$5,380	\$15,851	(\$16,945)	\$36,464	(\$28,801)	\$637	(\$20,591)	(\$1,554)	\$33,941
ID Sch 21	(\$42,545)	\$6,235	(\$36,718)	(\$19,901)	\$151	\$902	(\$16,393)	\$26,963	(\$21,138)	\$470	(\$115)	(\$43)	\$17,042
Total ID	<b>(\$580,297)</b>	\$100,951	(\$598,971)	(\$322,769)	\$58,209	\$167,635	(\$77,337)	\$219,335	(\$173,233)	\$3,853	(\$224,483)	(\$16,816)	\$283,329
Total Revenue	(\$5,810,062)	\$1,069,101	(\$6,229,395)	(\$3,465,047)	\$621,843	\$1,812,445	(\$920,011)	\$2,496,921	(\$1,975,309)	\$43,068	#####	(\$180,079)	\$3,359,588
WA ERM RRC	(\$774,290)	\$141,381	(\$815,610)	(\$461,403)	\$79,822	\$234,618	(\$140,983)	\$357,900	(\$283,229)	\$6,119	(\$316,310)	(\$23,144)	\$446,549
ID PCA LCAR	(\$576,652)	\$100,345	(\$595,376)	(\$320,832)	\$57,860	\$166,629	(\$76,873)	\$218,018	(\$172,194)	\$3,830	(\$223,136)	(\$16,715)	\$281,792
Total Expense	(\$1,350,942)	\$241,726	(\$1,410,986)	(\$782,235)	\$137,682	\$401,247	(\$217,856)	\$575,918	(\$455,423)	\$9,949	(\$539,446)	(\$39,859)	\$728,341
Estimated Margin	(\$41,695)	\$7,554	(\$43,677)	(\$24,612)	\$4,271	\$12,536	(\$7,393)	\$18,906	(\$14,957)	\$324	(\$16,892)	(\$1,238)	\$23,483

Prep by: \_\_\_\_\_ 1st Review: \_\_\_\_\_

12.2019		Total	January	February	March	April	May	June	July	August	September	October	November	December
Weighted Block Rate Calculation														
WS weighted block Base Rates (Excluding Adder Schedules ERM, BPA ResX, and PP Rider)														
WA Sch 1			0.09243	0.09243	0.09243	0.09243	0.09243	0.09243	0.09243	0.09243	0.09243	0.09243	0.09243	0.09243
WA Sch 11			0.08341	0.08341	0.08341	0.08341	0.08341	0.08341	0.08341	0.08341	0.08341	0.08341	0.08341	0.08341
WA Sch 21			0.06430	0.06430	0.06430	0.06430	0.06430	0.06430	0.06430	0.06430	0.06430	0.06430	0.06430	0.06430
ERM RRC			0.01811	0.01811	0.01811	0.01811	0.01811	0.01811	0.01811	0.01811	0.01811	0.01811	0.01811	0.01811
WS weighted block Base Rates (Excluding Adder Schedules PCA, BPA ResX, SIT, and PP Rider)														
ID Sch 1			0.09637	0.09637	0.09637	0.09637	0.09637	0.09637	0.09637	0.09637	0.09637	0.09637	0.09637	0.09533
ID Sch 11			0.06909	0.06909	0.06909	0.06909	0.06909	0.06909	0.06909	0.06909	0.06909	0.06909	0.06909	0.06244
ID Sch 21			0.05362	0.05362	0.05362	0.05362	0.05362	0.05362	0.05362	0.05362	0.05362	0.05362	0.05362	0.05049
PCA LCAR			0.02484	0.02484	0.02484	0.02484	0.02484	0.02484	0.02484	0.02484	0.02484	0.02484	0.02484	0.02200
WA Schedule 1	17 GRC Block Usage, Bills & Basele			Baseload Usage	Percentage	WS Usage	Percentage		1/1/2015		1/1/2016		5/1/2018	
Block 1		1,563,076,768		1,541,243,052	100.00%	21,833,716	3.00%		0.07525		0.07390		0.07533	
Block 2		458,131,072		0	0.00%	458,131,072	62.95%		0.08755		0.08598		0.08765	
Block 3		247,853,664		0	0.00%	247,853,664	34.05%		0.10264		0.10080		0.10276	
		2,269,061,504		1,541,243,052	100.00%	727,818,452	100.00%		0.09232		0.09066		0.09243	
		2,518,371	612	1,541,243,052					9.405¢		9.237¢		9.243¢	
WA Schedule 11														
Block 1		419,807,178		419,807,178	81.44%	0	0.00%		0.11507		0.11293		0.11349	
Block 2		192,006,796		95,666,450	18.56%	96,340,346	100.00%		0.08455		0.08298		0.08341	
		611,813,974		515,473,628	100.00%	96,340,346	100.00%		0.08455		0.08298		0.08341	
		375,436	1,373	515,473,628					8.455¢		8.298¢		8.341¢	
WA Schedule 21														
Block 1		1,239,435,303		1,239,435,303	93.57%	0	0.00%		0.07240		0.07089		0.07189	
Block 2		158,308,533		85,144,041	6.43%	73,164,492	100.00%		0.06475		0.06340		0.06430	
		1,397,743,836		1,324,579,344	100.00%	73,164,492	100.00%		0.06475		0.06340		0.06430	
		22,836	58,004	1,324,579,344					6.475		0.06340		6.430¢	
									ERM RRC rate		0.02012		0.01811	
									Decoupling RRA rate		0.02108		0.01900	
ID Schedule 1	17 GRC Block Usage, Bills & Baseload								12/1/2019		6/1/2018		1/1/2019	
Block 1		631,683,680		631,683,680	84.52%	0	0.00%		0.08482		0.07949		0.08574	
Block 2		466,874,373		115,721,572	15.48%	351,152,801	100.00%		0.09533		0.09000		0.09637	
		1,098,558,053		747,405,252	100.00%	351,152,801	100.00%		0.09533		0.09		0.09637	
		1,258,258	594	747,405,252					9.533¢		9.444¢		9.637¢	
ID Schedule 11														
Block 1		262,422,258		262,422,258	89.18%	0	0.00%		0.08909		0.08341		0.09857	
Block 2		95,790,406		31,836,498	10.82%	63,953,908	100.00%		0.06244		0.05676		0.06909	
		358,212,664		294,258,756	100.00%	63,953,908	100.00%		0.06244		0.05676		0.06909	
		252,366	1,166	294,258,756					6.244¢		6.840¢		6.909¢	
ID Schedule 21														
Block 1		595,628,304		595,628,304	88.83%	0	0.00%		0.05991		0.05543		0.06361	
Block 2		52,010,569		74,903,082	11.17%	-22,892,513	100.00%		0.05049		0.04601		0.05362	
		647,638,873		670,531,386	100.00%	-22,892,513	100.00%		0.05049		0.04601		0.05362	
		13,657	49,098	670,531,386					0.000¢		5.362¢		5.362¢	
									PCA LCAR		0.02200		0.02484	
									Fixed Cost Adjustment RRA rate		0.02212		0.02488	

Prep by: \_\_\_\_\_ 1st Review: \_\_\_\_\_

**Weather Sensitivity Regression Summary for January 2009 through December 2018**

Adj R <sup>2</sup>	Dependent Variable	Shoulder Mo. Heating Apr, May, Jun, Oct, Nov	Winter Mo Heating Dec, Jan, Feb, Mar	Shoulder Mo Cooling Apr, May, Oct, Nov	Summer Mo Cooling Jun, Jul, Aug, Sep	Usage/Cust Base Load	Usage/Cust 2018 Low	Durbin Watson test results
<b>Washington Electric</b>								
0.962	WR1	0.446	0.601	1.220	1.220	576	684	No Autocorrelation
0.944	WR11	0.279	0.351	0.309	0.309	359	384	Corrected with AR(1)
0.914	WC11	0.220	0.465	1.480	1.480	1,892	1,771	Corrected with AR(1),(2)
0.954	WI11	1.055	1.757	1.350	1.350	3,489	3,262	Corrected with AR(1),(2)
0.917	WT11	0.209	0.418	1.108	1.108	1,465	1,380	Corrected with AR(1),(2)
0.911	WR21	16.807	27.500	42.759	42.759	45,938	46,172	Corrected with AR(1)
0.950	WC21	0.000	3.412	22.739	22.739	60,948	55,403	Corrected with AR(1)
0.881	WI21	0.000	5.152	20.047	20.047	109,435	96,412	Corrected with AR(1),(2)
0.952	WT21	0.000	3.679	22.835	22.835	62,392	56,932	Corrected with AR(1),(2)
<b>Idaho Electric</b>								
0.970	IR1	0.459	0.592	0.998	0.998	562	668	No Autocorrelation
0.959	IR11	0.220	0.283	0.280	0.280	267	287	Corrected with AR(1)
0.875	IC11	0.237	0.490	1.469	1.469	1,535	1,500	No Autocorrelation
0.796	II11	0.521	0.773	1.107	1.107	2,975	2,926	Corrected with AR(1)
0.890	IT11	0.222	0.435	1.161	1.161	1,232	1,213	No Autocorrelation
0.865	IR21	8.455	15.475	25.891	25.891	26,521	26,529	Corrected with AR(1)
0.862	IC21	0.000	4.289	18.847	18.847	44,874	41,762	Corrected with AR(1)
0.520	II21	0.000	6.494	0.000	0.000	108,429	77,709	Corrected with AR(1),(2)
0.842	IT21	0.000	4.329	16.919	16.919	48,228	43,775	Corrected with AR(1)

Dependent Variable Name Code

*1st letter*

W = Washington Jurisdiction

I = Idaho Jurisdiction

*2nd letter*

R = Residential Class

C = Commercial Class

I = Industrial Class

*Numerical reference*

Rate Schedule

Prep by: \_\_\_\_\_ 1st Review: \_\_\_\_\_

248W LED on existing Standard **\*\*Capital Only\*\***

		Base Rate	
Code	HPCL	\$ 26.98	248W LED on existing standard
Energy Reduction		\$ (8.42)	80 kWh's times the Schedule 46 rate of 10.519 cents per kWh
Capital Only Rate		<u><u>\$ 18.56</u></u>	HARL