

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION
COMMISSION

DOCKET NO. UE-200900

DOCKET NO. UG-200901

DOCKET NO. UE-200894

(consolidated)

AVISTA CORPORATION

COMPLIANCE FILING

Attachment 1 - Electric Workpapers

**AVISTA UTILITIES
WASHINGTON ELECTRIC
PROPOSED INCREASE BY SERVICE SCHEDULE
12 MONTHS ENDED DECEMBER 31, 2019
(000s of Dollars)**

No.	Type of Service (a)	Schedule Number (b)	Base Tariff Revenue Under Present Rates(1) (c)	Sch 251 Specific Contract Reallocation (g)	Base Tariff Revenue with Sch 251 Reallocation (h)	Final Order General Increase (d)	Base Tariff Revenue Under Proposed Rates(1) (e)	Base Tariff Percent Increase (f)	Total Billed Revenue at Present Rates (2) (g)	Base Rate General Increase (h)	Sch 92 LIRAP Rate Adjustment (i)	Sch 76 Tax Rate Credit (i)	Total Net Impact (j)	Percent Increase on Billed Revenue (k)
1	Residential	1/2	\$232,554	\$1,659	\$234,213	\$9,070	\$243,283	4.6%	\$223,625	\$10,729	\$287	(\$11,016)	\$0	0.0%
2	General Service	11/12	\$77,796	\$386	\$78,182	\$1,044	\$79,226	1.8%	\$83,008	\$1,430	\$106	(\$1,535)	\$0	0.0%
3	Large General Service	21/22	\$133,266	\$638	\$133,904	\$1,786	\$135,690	1.8%	\$143,506	\$2,424	\$178	(\$2,602)	\$0	0.0%
4	Extra Large General Service	25	\$43,739	\$198	\$43,937	\$1,172	\$45,109	3.1%	\$43,474	\$1,370	\$49	(\$1,419)	\$0	0.0%
5	Extra Large General Service - Specific Contract	251	\$24,366	(\$3,009)	\$21,357	(\$0)	\$21,357	(12.3%)	\$23,824	(\$3,009)	\$6	(\$163)	(\$3,167)	-13.3%
6	Pumping Service	30/31/32	\$12,229	\$73	\$12,302	\$328	\$12,630	3.3%	\$13,210	\$401	\$15	(\$416)	\$0	0.0%
7	Street & Area Lights	41-48	<u>\$6,629</u>	\$55	\$6,684	<u>\$178</u>	\$6,862	3.5%	<u>\$6,817</u>	<u>\$233</u>	<u>\$9</u>	(\$242)	\$0	0.0%
8	Total		\$530,579	\$0	\$530,579	\$13,578	\$544,157	2.6%	\$537,464	\$13,578	\$651	(\$17,395)	(\$3,167)	-0.6%

(1) Excludes all present rate adjustments: Schedule 59 (BPA Residential Exchange), Schedule 75 (Decoupling), Schedule 91 (DSM), Schedule 92 (LIRAP), Schedule 93 (ERM), Schedule 94 (Remand) and Schedule 98 (REC Revenue).

(2) Includes all present rate adjustments: Schedule 59 (BPA Residential Exchange), Schedule 75 (Decoupling), Schedule 91 (DSM), Schedule 92 (LIRAP), Schedule 93 (ERM), Schedule 94 (Remand) and Schedule 98 (REC Revenue).

**AVISTA UTILITIES
WASHINGTON ELECTRIC
PRESENT AND PROPOSED RATE COMPONENTS BY SCHEDULE**

JDM-4

Type of Service	Base Tariff Sch. Rate	Present Other Adj.(1)	Present Billing Rate	General Rate Inc/Dec	Sch. 92 LIRAP Rate Increase	Sch. 76 Tax Credit	Proposed Billing Rate	Proposed Base Tariff Rate
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Residential Service - Schedule 1								
Basic Charge	\$9.00		\$9.00	\$0.00			\$9.00	\$9.00
Energy Charge:								
First 800 kWhs	\$0.08103	(\$0.00367)	\$0.07736	\$0.00416	\$0.00012	(\$0.00428)	\$0.07736	\$0.08519
800 - 1,500 kWhs	\$0.09427	(\$0.00367)	\$0.09060	\$0.00484	\$0.00012	(\$0.00496)	\$0.09060	\$0.09911
All over 1,500 kWhs	\$0.11053	(\$0.00367)	\$0.10686	\$0.00568	\$0.00012	(\$0.00580)	\$0.10686	\$0.11621
General Services - Schedule 11								
Basic Charge	\$20.00		\$20.00	\$0.00			\$20.00	\$20.00
Energy Charge:								
First 3,650 kWhs	\$0.11686	\$0.00876	\$0.12562	\$0.00250	\$0.00017	(\$0.00267)	\$0.12562	\$0.11936
All over 3,650 kWhs	\$0.08588	\$0.00876	\$0.09464	\$0.00183	\$0.00017	(\$0.00200)	\$0.09464	\$0.08771
Demand Charge:								
20 kW or less	no charge		no charge	no charge				no charge
Over 20 kW	\$7.00/kW		\$7.00/kW				\$7.00/kW	\$7.00/kW
Minimums:	\$20.00 Single Phase Service \$27.35 Three Phase Service						\$20.00 Single Phase Service \$27.35 Three Phase Service	
Large General Service - Schedule 21								
Energy Charge:								
First 250,000 kWhs	\$0.07535	\$0.00757	\$0.08292	\$0.00179	\$0.00013	(\$0.00192)	\$0.08292	\$0.07714
All over 250,000 kWhs	\$0.06742	\$0.00757	\$0.07499	\$0.00160	\$0.00013	(\$0.00173)	\$0.07499	\$0.06902
Demand Charge:								
50 kW or less	\$550.00		\$550.00	\$0.00			\$550.00	\$550.00
Over 50 kW	\$7.00/kW		\$7.00/kW				\$7.00/kW	\$7.00/kW
Primary Voltage Discount	\$0.20/kW		\$0.20/kW				\$0.20/kW	\$0.20/kW
Extra Large General Service - Schedule 25								
Energy Charge:								
First 500,000 kWhs	\$0.05505	(\$0.00042)	\$0.05463	\$0.00242	\$0.00008	(\$0.00250)	\$0.05463	\$0.05747
500,000 - 6,000,000 kWhs	\$0.04953	(\$0.00042)	\$0.04911	\$0.00217	\$0.00008	(\$0.00225)	\$0.04911	\$0.05170
All over 6,000,000 kWhs	\$0.04235	(\$0.00135)	\$0.04100	\$0.00000	\$0.00000	\$0.00000	\$0.04100	\$0.04235
Demand Charge:								
3,000 kva or less	\$30,650		\$30,650				\$30,650	\$30,650
Over 3,000 kva	\$8.30/kva		\$8.30/kva				\$8.30/kva	\$8.30/kva
Primary Volt. Discount								
11 - 60 kv	\$0.20/kva		\$0.20/kva				\$0.20/kva	\$0.20/kva
60 - 115 kv	\$1.52/kva		\$1.52/kva				\$1.52/kva	\$1.52/kva
115 or higher kv	\$1.93/kva		\$1.93/kva				\$1.93/kva	\$1.93/kva
Annual Minimum	Present:	\$945,750				Proposed:	\$971,120	
Extra Large General Service Specific Contract - Schedule 25I								
Energy Charge:								
First 0 kWhs	\$0.05505	(\$0.00042)	\$0.05463	(\$0.00843)	\$0.00008	(\$0.00250)	\$0.04378	\$0.04662
0 - 3,000 kWhs	\$0.04953	(\$0.00042)	\$0.04911	(\$0.00758)	\$0.00008	(\$0.00225)	\$0.03936	\$0.04195
All over 3,000 kWhs	\$0.04235	(\$0.00135)	\$0.04100	(\$0.00648)			\$0.03452	\$0.03587
Demand Charge:								
0 kva or less	\$30,650		\$30,650				\$30,650	\$30,650
Over 0 kva	\$8.30/kva		\$8.30/kva				\$8.30/kva	\$8.30/kva
Primary Volt. Discount								
11 - 60 kv	\$0.20/kva		\$0.20/kva				\$0.20/kva	\$0.20/kva
60 - 115 kv	\$1.52/kva		\$1.52/kva				\$1.52/kva	\$1.52/kva
115 or higher kv	\$1.93/kva		\$1.93/kva				\$1.93/kva	\$1.93/kva
Annual Minimum	Present:	\$945,750				Proposed:	\$857,270	
Pumping Service - Schedule 31								
Basic Charge	\$20.00		\$20.00	\$0.00			\$20.00	\$20.00
Energy Charge:								
First 85 kW/kWh	\$0.10292	\$0.00726	\$0.11018	\$0.00354	\$0.00011	(\$0.00365)	\$0.11018	\$0.10646
Next 80 kW/kWh	\$0.10292	\$0.00726	\$0.11018	\$0.00354	\$0.00011	(\$0.00365)	\$0.11018	\$0.10646
All additional kWhs	\$0.07350	\$0.00726	\$0.08076	\$0.00253	\$0.00011	(\$0.00264)	\$0.08076	\$0.07603

(1) Includes all present rate adjustments: Schedule 59 (BPA Residential Exchange), Schedule 75 (Decoupling), Schedule 91 (DSM), Schedule 92 (LIRAP), Schedule 93 (ERM), Remand Schedule 94 and Schedule 98 (REC Revenue).

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
Total	100.00%		7.211%	

Cost of Capital				Source
Capital Component	Capital Structure	Component Cost	Weighted Cost	
Long Term Debt	51.50%	4.97%	2.56%	Rate Order
Preferred Equity	0.00%	0.00%	0.00%	Rate Order
Common Equity	48.50%	9.40%	4.56%	Rate Order
Total	100.00%		7.12%	

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%
Grossed-up Rate of Return			8.691%

Grossed-up Rate of Return				
Tax Gross-up Factor			1.324	Andrew's Conversion Factor
Weighted ROE * Tax Gross-up		1.325 * 4.950%	6.036%	
Long Term Debt			2.560%	
Preferred Equity * Tax Gross-up		1.325 * 0.000%	0.000%	
Grossed-up Rate of Return			8.596%	

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	
Grossed-Up Depreciation Rate			3.414%	

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
Grossed-Up Depreciation Rate			2.233%	

*From Cost of Service (Knox)

*From Cost of Service (Knox)

Capital Recovery Factor 12.105%

Capital Recovery Factor 10.829%

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

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

Avista Electric
 LIRAP Rate Calculation
 UE-200900
 Schedule 92 LIRAP Funding

Type of Service (a)	Schedule Number (b)	LIRAP Billing Determinants (c)	Incremental LIRAP Funding Rate (d)	Proposed LIRAP Funding Revenue (e)
Residential	1/2	2,395,485,525	\$ 0.00012	\$ 287,458
General Service	11/12/23	621,898,154	\$ 0.00017	\$ 105,723
Large General Service	21/22/23	1,369,570,126	\$ 0.00013	\$ 178,044
Extra Large General Service	25	615,959,799	\$ 0.00008	\$ 49,277
Extra Large General Service - Specific Contract	25l	72,000,000	\$ 0.00008	\$ 5,760
Pumping Service	30/31/32	139,623,053	\$ 0.00011	\$ 15,359
Street & Area Lights	41-48	6,862,000	0.13%	\$ 8,921
Total		5,221,398,657		\$ 650,541

WASHINGTON Area Lights (Schedule 47)

% rate increase --> 3.33%

Fixture Type	Pole Facility	Size	Sched	Pres. Rates		Prop. Rates	
				047	048	047	048
Sodium Vapor	Floodlight on existing standard	250W	HAH	\$22.77	\$22.77	\$23.53	\$23.53
Sodium Vapor	Kim light w/25' fiberglass pole	100W	HAI	\$29.74	\$29.74	\$30.73	\$30.73
Sodium Vapor	on existing standard	100W	HPA	\$14.12	\$14.12	\$14.59	\$14.59
Sodium Vapor	on existing standard	200W	HPB	\$20.05	\$20.05	\$20.72	\$20.72
Sodium Vapor	on existing standard	400W	HPC	\$27.70	\$27.70	\$28.62	\$28.62
Sodium Vapor	35' wood pole	200W	HPD	\$27.86	\$27.86	\$28.79	\$28.79
Sodium Vapor	35' wood pole	100W	HPE	\$20.68	\$20.68	\$21.37	\$21.37
Sodium Vapor	35' wood pole	400W	HPG	\$35.60	\$35.60	\$36.79	\$36.79
Sodium Vapor	30' steel pole	200W	HPL	\$34.98	\$34.98	\$36.14	\$36.14
Sodium Vapor	25' steel pole	200W	HPO	\$30.30	\$30.30	\$31.31	\$31.31
Sodium Vapor	20' fiberglass pole	100W	HPS	\$20.68	\$20.68	\$21.37	\$21.37
Sodium Vapor	30' steel pole w/2 arms	200W	HPY	\$59.28	\$59.28	\$61.25	\$61.25
Mercury Vapor	on existing standard	7000	MVA	\$16.24	\$16.24	\$16.78	\$16.78
Mercury Vapor	on existing standard	10000	MVB	\$19.46	\$19.46	\$20.11	\$20.11
Mercury Vapor	on existing standard	20000	MVC	\$27.67	\$27.67	\$28.59	\$28.59
Mercury Vapor	30' wood pole	7000	MVD	\$20.27	\$20.27	\$20.94	\$20.94
Mercury Vapor	30' wood pole	10000	MVE	\$23.53	\$23.53	\$24.31	\$24.31
Mercury Vapor	30' wood pole	20000	MVF	\$31.77	\$31.77	\$32.83	\$32.83
Mercury Vapor	25' steel	10000	MVH	\$29.71	\$29.71	\$30.70	\$30.70
Mercury Vapor	25' steel	20000	MVI	\$37.89	\$37.89	\$39.15	\$39.15
Mercury Vapor	30' steel	7000	MVJ	\$27.71	\$27.71	\$28.63	\$28.63
Mercury Vapor	30' steel	10000	MVK	\$30.97	\$30.97	\$32.00	\$32.00
Mercury Vapor	30' steel	20000	MVL	\$39.17	\$39.17	\$40.47	\$40.47
Mercury Vapor	Special	7000	MVV	\$8.12	\$8.12	\$8.39	\$8.39
none	35' wood pole	n/a	PA	\$6.54	\$6.54	\$6.76	\$6.76
LED	on existing standard	70W	HPAL	\$14.12	\$14.12	\$14.59	\$14.59
LED	on existing standard	107W	HPBL	\$20.05	\$20.05	\$20.72	\$20.72
LED	on existing standard	241W	HPCL	\$27.70	\$27.70	\$28.62	\$28.62
LED	20' fiberglass pole	70W	HPSL	\$20.68	\$20.68	\$21.37	\$21.37
LED	35' wood pole	70W	HPEL	\$20.68	\$20.68	\$21.37	\$21.37
LED	35' wood pole	107W	HPDL	\$27.86	\$27.86	\$28.79	\$28.79
LED	25' steel pole	107W	HPOL	\$30.30	\$30.30	\$31.31	\$31.31
LED	30' steel pole	107W	HPLL	\$34.98	\$34.98	\$36.14	\$36.14
LED	30' steel pole w/2 arms	107W	HPYL	\$59.28	\$59.28	\$61.25	\$61.25
LED	Granville w/16' decorative pole	70W	HAGL	\$30.78	\$30.78	\$31.80	\$31.80
LED	Post Top w/16' decorative pole	70W	HAPL	\$29.36	\$29.36	\$30.34	\$30.34
LED	35 ft direct buried steel pole	70W	HAAL	\$29.05	\$29.05	\$30.02	\$30.02
LED	Floodlight on existing standard	125W	HAML	\$15.67	\$15.67	\$16.19	\$16.19
LED	Floodlight 35ft wood pole	125W	HANL	\$22.21	\$22.21	\$22.95	\$22.95
LED	70W Kim light w/25ft Fiberglass	70W	HAIL	\$29.74	\$29.74	\$30.73	\$30.73
LED	30 ft Fiberglass direct buried	70W	HAOL	\$27.03	\$27.03	\$27.93	\$27.93
LED	on existing standard (Capital Ont)	248W	HARL	\$18.56	\$18.56	\$19.18	\$19.18
LED	35 ft Fiberglass direct buried	107W	HAQL	\$29.78	\$29.78	\$30.77	\$30.77
LED	30 steel pole pedestal base	70W	HPKL	\$29.05	\$29.05	\$30.02	\$30.02
LED	30 steel pole pedestal base (Dev	107W	HPZL	\$27.86	\$27.86	\$28.79	\$28.79
LED	35' wood pole	248W	HPGL	\$35.60	\$35.60	\$36.79	\$36.79

Special Contract Rate Spread - Percentage of Rate Base

No.	Type of Service (a)	Schedule Number (b)	Base Tariff Revenue Under Present Rates(1) (c)	Total Rate Base (d)	Percentage of Rate Base (e)	Base Tariff Percent Increase (f)	Proposed Reallocated Special Contract (g)	Reallocated Base Tariff Revenue (h)
1	Residential	1/2	\$232,554	\$1,000,842	55.1%	0.7%	\$1,659	\$234,213
2	General Service	11/12	\$77,796	\$232,909	12.8%	0.5%	\$386	\$78,182
3	Large General Service	21/22	\$133,266	\$385,102	21.2%	0.5%	\$638	\$133,904
4	Extra Large General Service	25	\$43,739	\$119,412	6.6%	0.5%	\$198	\$43,937
7	Extra Large General Service -	25l	\$24,366				(\$3,009)	\$21,357
5	Pumping Service	30/31/32	\$12,229	\$43,825	2.4%	0.6%	\$73	\$12,302
6	Street & Area Lights	41-48	<u>\$6,629</u>	<u>\$33,260</u>	1.8%	0.8%	<u>\$55</u>	\$6,684
7	Total		\$530,579	\$1,815,349		0.6%	\$0	\$530,579
Revenue Requirement			\$ 3,009		0.6%			
Total Rate Base (per TLK-E-5)								
Sch 1-2		1,000,841,966	55%	1,658.93	0.71%			
Sch 11-22		232,908,576	13%	386.05	0.50%			
Sch 21-22		385,101,731	21%	638.32	0.48%			
Sch 25		119,412,160	7%	197.93	0.45%		Excluding IEP	62,207,809
Sch 30-32		43,824,830	2%	72.64	0.59%			
Sch 41-48		33,259,928	2%	55.13	0.83%			
Total		1,815,349,191	100%	3,009.00	0.57%			

from Staff_DR_153 Attachment C

Inland Empire Paper
Exhibit B - Rate Design

	Schedule 25			Special Contract		
	Present Base Tariff <u>Sch. Rate</u>	2019 Billing Determinants	Present Base <u>Revenue</u>	Proposed Special Contract <u>Rate</u>	2019 Billing Determinants	Proposed Special Contract <u>Rate</u>
IEP Special Contract						
Energy Charge:						
First 500,000 kWhs	\$0.05505	6,000,000	\$ 330,300	\$0.04662	6,000,000	\$ 279,733
500,000 - 6,000,000 kWhs	\$0.04953	66,000,000	\$ 3,268,980	\$0.04195	66,000,000	\$ 2,768,515
All over 6,000,000 kWhs	\$0.04235	379,099,448	\$ 16,054,862	\$0.03587	379,099,448	\$ 13,596,938
Demand Charge:						
3,000 kva or less	\$30,650	12	\$ 367,800	\$30,650	12	\$ 367,800
Over 3,000 kva	\$8.30/kva	689,916	\$ 5,726,300	\$8.30/kva	689,916	\$ 5,726,300
Primary Volt. Discount						
11 - 60 kv	\$0.20/kva	0	\$ -	\$0.20/kva	0	\$ -
60 - 115 kv	\$1.52/kva	120196.06	\$ (182,698)	\$1.52/kva	120,196	\$ (182,698)
115 or higher kv	\$1.93/kva	621364.11	\$ (1,199,233)	\$1.93/kva	621,364	\$ (1,199,233)
Total Present Revenue			\$ 24,366,310	Total Proposed Revenue		\$ 21,357,354

IEP Revenue Requirement Calculation
 \$ 20,909,280
 \$ 448,074
 \$ 21,357,354

Avista Final Rev Req
 \$ 13,578,000
 3.3%
 \$ 448,074

Factor
 84.69%

In recognition of the Economic Bypass option available to IEP, the Parties agree that IEP will receive a reduction of \$2 million toward its overall contribution towards Avista's fixed cost assigned to IEP. To accomplish this reduction, the initial bypass rate shall be set so that IEP's 2019 annual billing determinants produce the following amount of revenue: The final approved revenue requirement change in Docket UE-200900 multiplied by 0.033 plus \$20,909,280. For example, if Avista's full electric rate increase request of \$44.18 million is approved, IEP's revenue would be \$22,367,220 (\$20,909,280 + \$44,180,000 X 0.033).