

AVISTA UTILITIES
2020
Washington Electric
Schedule 75
Annual Decoupling Rate Adjustment Filing

ATTACHMENT B

2019 Deferred Revenue Calculation

May 29, 2020

2019 ELECTRIC DECOUPLING DEFERRAL CALCULATIONS

Avista Utilities

Decoupling Mechanism - UE-170485 Base effective 5/1/2018
Development of WA Electric Deferrals (Calendar Year 2019)

Line No.	Source	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	2019 Annual Total	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)		
Residential Group															
1	Actual Customers	Revenue System	218,072	218,072	216,577	215,993	220,087	217,384	217,872	218,567	212,455	225,200	219,433	219,805	2,619,517
2	Monthly Decoupled Revenue per Customer	Attachment 4, Page 3	\$83.76	\$67.85	\$62.15	\$52.42	\$45.89	\$42.55	\$56.44	\$50.95	\$48.24	\$47.13	\$63.98	\$78.40	\$58.32
3	Decoupled Revenue	(1) x (2)	\$ 18,265,804	\$ 14,797,018	\$ 13,459,538	\$ 11,321,801	\$ 10,100,260	\$ 9,249,463	\$ 12,296,614	\$ 11,135,044	\$ 10,248,077	\$ 10,613,032	\$ 14,038,709	\$ 17,233,692	\$ 152,759,052
4	Actual Base Rate Revenue	Revenue System	\$ 24,787,261	\$ 22,101,261	\$ 23,293,500	\$ 15,116,197	\$ 14,301,030	\$ 13,851,112	\$ 16,282,677	\$ 17,413,045	\$ 14,037,887	\$ 16,949,636	\$ 19,966,093	\$ 23,746,562	\$ 221,846,260
5	Actual Basic Charge Revenue	Revenue System	\$ 1,997,044	\$ 1,937,241	\$ 2,040,948	\$ 1,984,509	\$ 2,037,735	\$ 2,014,614	\$ 2,025,459	\$ 2,034,540	\$ 1,961,469	\$ 2,075,328	\$ 2,013,634	\$ 2,019,312	\$ 24,141,831
6	Actual Usage (kWhs)	Revenue System	267,676,694	245,780,275	251,248,521	165,586,096	156,914,732	152,496,304	179,106,785	190,596,371	153,832,730	188,853,624	220,087,719	259,163,742	2,431,343,594
7	Retail Revenue Credit (\$/kWh)	1	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900
8	Variable Power Supply Payments	(6) x (7)	\$ 5,085,857	\$ 4,669,825	\$ 4,773,722	\$ 3,146,136	\$ 2,981,380	\$ 2,897,430	\$ 3,403,029	\$ 3,621,331	\$ 2,922,822	\$ 3,588,219	\$ 4,181,667	\$ 4,924,111	\$ 46,195,528
9	Customer Decoupled Payments	(4) - (5) - (8)	\$ 17,704,360	\$ 15,494,195	\$ 16,478,831	\$ 9,985,553	\$ 9,281,915	\$ 8,939,068	\$ 10,854,190	\$ 11,757,174	\$ 9,153,596	\$ 11,286,089	\$ 13,770,792	\$ 16,803,139	\$ 151,508,901
	Residential Revenue Per Customer Received		\$81.19	\$71.05	\$76.09	\$46.23	\$42.17	\$41.12	\$49.82	\$53.79	\$43.08	\$50.12	\$62.76	\$76.45	\$57.84
10	Deferral - Surcharge (Rebate)	(3) - (9)	\$ 561,444	\$ (697,177)	\$ (3,019,292)	\$ 1,336,248	\$ 818,345	\$ 310,395	\$ 1,442,424	\$ (622,129)	\$ 1,094,481	\$ (673,057)	\$ 267,917	\$ 430,553	\$ 1,250,151
11	Deferral - Revenue Related Expenses	Rev Conv Factor	\$ (26,207)	\$ 32,542	\$ 140,932	\$ (62,372)	\$ (38,198)	\$ (14,488)	\$ (67,328)	\$ 29,039	\$ (51,087)	\$ 31,416	\$ (12,506)	\$ (20,097)	\$ (58,353)
	FERC Rate		5.18%	5.18%	5.18%	5.45%	5.45%	5.45%	5.50%	5.50%	5.50%	5.42%	5.42%	5.42%	
12	Interest on Deferral	Avg Balance Calc	\$ 1,155	\$ 881	\$ (6,762)	\$ (10,789)	\$ (6,174)	\$ (3,758)	\$ 20	\$ 1,812	\$ 2,852	\$ 3,731	\$ 2,875	\$ 4,392	\$ (9,765)
	Monthly Residential Deferral Totals		\$ 536,393	\$ (663,754)	\$ (2,885,123)	\$ 1,263,087	\$ 773,974	\$ 292,148	\$ 1,375,116	\$ (591,278)	\$ 1,046,246	\$ (637,910)	\$ 258,287	\$ 414,848	\$ 1,182,033
13	Cumulative Residential Deferral Surcharge/(Rebate) Balance	Σ((10) ~ (12))	\$ 536,393	\$ (127,361)	\$ (3,012,484)	\$ (1,749,397)	\$ (975,423)	\$ (683,275)	\$ 691,841	\$ 100,562	\$ 1,146,808	\$ 508,898	\$ 767,185	\$ 1,182,033	
Non-Residential Group															
14	Actual Customers	Revenue System	37,059	37,058	36,629	36,938	37,135	36,981	37,031	37,109	36,404	37,918	36,880	37,104	444,246
15	Monthly Decoupled Revenue per Customer	Attachment 4, Page 3	\$359.81	\$336.86	\$346.66	\$329.25	\$363.90	\$372.76	\$410.56	\$386.60	\$363.25	\$367.48	\$326.96	\$388.88	\$362.80
16	Decoupled Revenue	(14) x (15)	\$ 13,334,080	\$ 12,483,344	\$ 12,697,935	\$ 12,161,806	\$ 13,513,594	\$ 13,785,077	\$ 15,203,295	\$ 14,346,463	\$ 13,223,760	\$ 13,934,194	\$ 12,058,161	\$ 14,428,894	\$ 161,170,603
17	Actual Base Rate Revenue	Revenue System	\$ 17,957,426	\$ 17,832,409	\$ 17,381,463	\$ 16,482,357	\$ 17,398,402	\$ 18,217,320	\$ 19,391,352	\$ 19,493,021	\$ 17,327,732	\$ 18,971,540	\$ 16,837,820	\$ 17,686,182	\$ 214,977,024
18	Actual Basic Charge Revenue	Revenue System	\$ 1,673,811	\$ 1,616,459	\$ 1,701,879	\$ 1,670,171	\$ 1,663,821	\$ 1,674,662	\$ 1,675,705	\$ 1,676,355	\$ 1,631,204	\$ 1,716,521	\$ 1,658,886	\$ 1,680,360	\$ 20,039,834
19	Actual Usage (kWhs)	Revenue System	179,506,335	176,387,990	169,824,262	162,046,753	174,360,484	184,858,484	199,230,125	198,610,182	173,798,213	189,099,379	163,525,026	176,620,049	2,147,867,282
20	Retail Revenue Credit (\$/kWh)	1	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900
21	Variable Power Supply Payments	(19) x (20)	\$ 3,410,620	\$ 3,351,372	\$ 3,226,661	\$ 3,078,888	\$ 3,312,849	\$ 3,785,372	\$ 3,773,593	\$ 3,773,593	\$ 3,302,166	\$ 3,592,888	\$ 3,106,975	\$ 3,355,781	\$ 40,809,478
22	Customer Decoupled Payments	(17) - (18) - (21)	\$ 12,872,995	\$ 12,864,578	\$ 12,452,923	\$ 11,733,298	\$ 12,421,732	\$ 13,030,347	\$ 13,930,275	\$ 14,043,072	\$ 12,394,361	\$ 13,662,131	\$ 12,071,959	\$ 12,650,040	\$ 154,127,712
	Non-Residential Revenue Per Customer Received		\$347.36	\$347.15	\$339.97	\$317.65	\$334.50	\$352.35	\$376.18	\$378.43	\$340.47	\$360.31	\$327.33	\$340.93	\$346.94
23	Deferral - Surcharge (Rebate)	(16) - (22)	\$ 461,085	\$ (381,234)	\$ 245,012	\$ 428,508	\$ 1,091,862	\$ 754,730	\$ 1,273,020	\$ 303,391	\$ 829,399	\$ 272,063	\$ (13,798)	\$ 1,778,853	\$ 7,042,890
24	Deferral - Revenue Related Expenses	Rev Conv Factor	\$ (21,522)	\$ 17,795	\$ (11,436)	\$ (20,001)	\$ (50,965)	\$ (35,229)	\$ (59,421)	\$ (14,161)	\$ (38,714)	\$ (12,699)	\$ 644	\$ (83,032)	\$ (328,741)
	FERC Rate		5.18%	5.18%	5.18%	5.45%	5.45%	5.45%	5.50%	5.50%	5.50%	5.42%	5.42%	5.42%	
25	Interest on Deferral	Avg Balance Calc	\$ 949	\$ 1,117	\$ 842	\$ 2,347	\$ 5,649	\$ 9,673	\$ 14,236	\$ 17,745	\$ 20,301	\$ 22,469	\$ 23,126	\$ 27,031	\$ 145,485
	Monthly Non-Residential Deferral Totals		\$ 440,512	\$ (362,322)	\$ 234,417	\$ 410,854	\$ 1,046,547	\$ 729,174	\$ 1,227,835	\$ 306,974	\$ 810,986	\$ 281,832	\$ 9,972	\$ 1,722,853	\$ 6,859,634
26	Cumulative Non-Residential Deferral Surcharge/(Rebate) Balance	Σ((23) ~ (25))	\$ 440,512	\$ 78,190	\$ 312,607	\$ 723,461	\$ 1,770,008	\$ 2,499,182	\$ 3,727,017	\$ 4,033,991	\$ 4,844,977	\$ 5,126,809	\$ 5,136,782	\$ 6,859,634	
27	Total Cumulative Electric Deferral	(13) + (26)	\$ 976,905	\$ (49,171)	\$ (2,699,877)	\$ (1,025,936)	\$ 794,584	\$ 1,815,906	\$ 4,418,858	\$ 4,134,553	\$ 5,991,785	\$ 5,635,707	\$ 5,903,966	\$ 8,041,667	

Docket No. UE-170485 Authorized Decoupling Baseline

Avista Utilities

Electric Decoupling Mechanism

Development of Decoupled Revenue by Rate Schedule - Electric

Washington Docket No. UE-170485 Compliance Filing

	TOTAL	RESIDENTIAL SCHEDULE 1,2	GENERAL SVC. SCH. 11,12	LG. GEN. SVC. SCH. 21,22	PUMPING SCH. 30, 31, 32	EX LG GEN SVC SCHEDULE 25	ST & AREA LTG SCH. 41-48
1 Total Normalized 12ME Dec 2016 Revenue	\$ 492,134,000	\$ 209,489,000	\$ 73,766,000	\$ 126,766,000	\$ 10,894,000	\$ 64,348,000	\$ 6,871,000
2 Allowed Revenue Increase (Attachment 1)	\$ 10,763,000	\$ 4,904,000	\$ 1,291,000	\$ 2,775,000	\$ 238,000	\$ 1,405,000	\$ 150,000
3 Allowed Base Rate Revenue	\$ 502,897,000	\$ 214,393,000	\$ 75,057,000	\$ 129,541,000	\$ 11,132,000	\$ 65,753,000	\$ 7,021,000
4 Normalized kWhs (12ME Dec 2016 Test Year)	5,658,613,712	2,361,885,989	623,243,883	1,409,459,201	133,495,310	1,107,408,158	23,121,171
5 Retail Revenue Adjustment (line 14)	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900	\$ 0.01900
6 Variable Power Supply Revenue (L4 * L5)	\$ 107,513,661	\$ 44,875,834	\$ 11,841,634	\$ 26,779,725	\$ 2,536,411	\$ 21,040,755	\$ 439,302
7 Delivery & Power Plant Revenue (L3 - L6)	\$ 344,089,397	\$ 169,517,166	\$ 63,215,366	\$ 102,761,275	\$ 8,595,589		
8 Customer Bills (12ME Dec 2016 Test Year)	2,945,836	2,518,371	375,436	22,836	29,193		
9 Allowed Basic Charges	\$ 9.00	\$ 9.00	\$ 20.00	\$ 500.00	\$ 20.00		
10 Basic Charge Revenue (Ln 8 * Ln 9)	\$ 42,175,919	\$ 22,665,339	\$ 7,508,720	\$ 11,418,000	\$ 583,860		
11 Decoupled Revenue	\$ 301,913,478	\$ 146,851,827	\$ 55,706,646	\$ 91,343,275	\$ 8,011,729	Excluded From Decoupling	
12 Retail Revenue Adjustment - (Attachment 3)	\$0.01811						
13 Gross Up Factor for Revenue Related Exp	104.90%						
14 Grossed Up Retail Revenue Adjustment	\$0.01900						
		Residential	Non-Residential Group				
15 Average Number of Customers (Line 8 / 12)		209,864	35,622				
16 Annual kWh		2,361,885,989	2,166,198,394				
17 Basic Charge Revenues		22,665,339	19,510,580				
18 Customer Bills		2,518,371	427,465				
19 Average Basic Charge		\$9.00	\$45.64				

Attachment 4, Page 1 (UE-170485 Compliance Filing)

Avista Utilities
Electric Decoupling Mechanism
Development of Annual Decoupled Revenue Per Customer - Electric
Washington Docket No. UE-170485 Compliance Filing

Line No.	Source	Residential	Non-Residential Schedules*
(a)	(b)	(c)	(d)
1	Decoupled Revenues	Attachment 4, Page 1 \$ 146,851,827 \$	155,061,651
2	Test Year # of Customers 12 ME 12.2016	Revenue Data	209,864 35,622
3	Decoupled Revenue per Customer	(1) / (2) \$ 699.75 \$	4,352.97

* Schedules 11, 12, 21, 22, 31, 32.

Attachment 4, Page 2 (UE-170485 Compliance Filing)

Docket No. UE-170485 Authorized Decoupling Baseline

Avista Utilities

Electric Decoupling Mechanism

Development of Monthly Decoupled Revenue Per Customer - Electric
Washington Docket No. UE-170485 Compliance Filing

Line No.	Source	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	
1	Electric Sales														
2	<u>Residential</u>														
3	- Weather-Normalized kWh Sales	Monthly Rate Year	282,718,944	229,028,914	209,765,396	176,926,076	154,900,987	143,616,706	190,502,271	171,958,392	162,813,881	159,069,574	215,944,062	264,640,786	2,361,885,989
4	- % of Annual Total	% of Total	11.97%	9.70%	8.88%	7.49%	6.56%	6.08%	8.07%	7.28%	6.89%	6.73%	9.14%	11.20%	100.00%
5	<u>Non-Residential*</u>														
6	- Weather-Normalized kWh Sales	Monthly Rate Year	179,053,129	167,633,774	172,512,516	163,846,532	181,092,306	185,499,649	204,307,747	192,388,070	180,766,696	182,872,741	162,705,681	193,519,554	2,166,198,394
7	- % of Annual Total	% of Total	8.27%	7.74%	7.96%	7.56%	8.36%	8.56%	7.43%	8.88%	8.34%	8.44%	7.51%	8.93%	100.00%
8	Monthly Decoupled Revenue Per Customer ("RPC")														
9	<u>Residential</u>														
10	-UE-170485 Decoupled RPC	Attachment 4, P. 2 L. 3												\$ 699.75	
11	- Monthly Decoupled RPC	(4) x (10)	\$ 83.76	\$ 67.85	\$ 62.15	\$ 52.42	\$ 45.89	\$ 42.55	\$ 56.44	\$ 50.95	\$ 48.24	\$ 47.13	\$ 63.98	\$ 78.40	\$ 699.75
12	<u>Non-Residential*</u>														
13	-UE-170485 Decoupled RPC	Attachment 4, P. 2 L. 3												\$ 4,352.97	
14	- Monthly Decoupled RPC	(7) x (13)	\$ 359.81	\$ 336.86	\$ 346.66	\$ 329.25	\$ 363.90	\$ 372.76	\$ 410.56	\$ 386.60	\$ 363.25	\$ 367.48	\$ 326.96	\$ 388.88	\$ 4,352.97

* Schedules 11, 12, 21, 22, 31, 32.

Attachment 4, Page 3 (UE-170485 Compliance Filing)

**AVISTA UTILITIES
REVENUE CONVERSION FACTOR
WASHINGTON ELECTRIC
TWELVE MONTHS ENDED DECEMBER 31, 2016
With Tax Reform
Washington Docket No. UE-170485 Compliance Filing**

<u>Line No.</u>	<u>Description</u>	<u>Factor</u>
1	Revenues	1.000000
	Expense:	
2	Uncollectibles	0.006183
3	Commission Fees	0.002000
4	Washington Excise Tax	0.038495
5	Total Expense	<u>0.046677</u>
6	Net Operating Income Before FIT	0.953323
7	Federal Income Tax @ 21%	<u>0.200198</u>
8	REVENUE CONVERSION FACTOR	<u><u>0.753125</u></u>

(Per Order No. 6; UE-120436, dated 6/20/2012 - "hard" CF rounded to 6 digits)

Revised Conversion Factor per Bench Request 9, Attachment B Page 4

Attachment 4, Page 4 (UE-170485 Compliance Filing)