

**AVISTA UTILITIES**  
2018  
Washington Natural Gas  
Schedule 175  
Annual Decoupling Rate Adjustment Filing

**ATTACHMENT B**

2017 Deferred Revenue Calculation

August 17, 2018

## 2017 NATURAL GAS DECOUPLING DEFERRAL CALCULATIONS

Avista Utilities

Decoupling Mechanism - UG-150205 Base effective 1/11/2016

Development of WA Natural Gas Deferrals (Calendar Year 2017)

Line No.	Source	Pro Rated												2017 YTD Total	
		Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	
<b>Residential Group</b>															
1	Actual Customers	Revenue System	156,425	156,620	156,919	156,785	156,510	157,170	157,080	157,589	157,973	158,696	159,255	159,738	1,890,760
2	Monthly Decoupled Revenue per Customer	Attachment 5, Page 3	\$61.49	\$50.87	\$41.03	\$22.87	\$14.23	\$8.72	\$6.09	\$5.95	\$7.93	\$25.20	\$43.40	\$63.19	\$29.28
3	Decoupled Revenue	(1) x (2)	\$ 9,618,092	\$ 7,966,722	\$ 6,438,449	\$ 3,585,705	\$ 2,227,282	\$ 1,369,863	\$ 956,744	\$ 938,169	\$ 1,252,674	\$ 3,998,515	\$ 6,911,868	\$ 10,093,541	\$ 55,357,624
	Actual Usage (informational only)	Revenue System	27,300,256	19,186,624	14,338,876	9,656,822	4,949,757	2,545,688	2,072,779	2,083,100	3,151,156	8,849,788	14,859,437	22,788,639	
4	Actual Base Rate Revenue (Excludes Gas Costs)	Revenue System	\$ 14,178,143	\$ 9,916,592	\$ 7,596,509	\$ 5,392,471	\$ 3,376,968	\$ 2,365,888	\$ 2,319,586	\$ 2,360,614	\$ 2,703,609	\$ 4,991,030	\$ 7,735,067	\$ 11,662,425	
5	Actual Fixed Charge Revenue	Revenue System	\$ 1,422,936	\$ 1,424,844	\$ 1,431,234	\$ 1,430,091	\$ 1,435,815	\$ 1,447,083	\$ 1,441,215	\$ 1,447,191	\$ 1,446,363	\$ 1,450,971	\$ 1,453,338	\$ 1,455,831	
6	Customer Decoupled Payments	(4) - (5)	\$ 12,755,207	\$ 8,491,748	\$ 6,165,275	\$ 3,962,380	\$ 1,941,153	\$ 918,805	\$ 878,371	\$ 913,423	\$ 1,257,246	\$ 3,540,059	\$ 6,281,729	\$ 10,206,594	\$ 57,311,991
	Residential Revenue Per Customer Received		\$81.54	\$54.22	\$39.29	\$25.27	\$12.40	\$5.85	\$5.59	\$5.80	\$7.96	\$22.31	\$39.44	\$63.90	\$30.31
7	Deferral - Surcharge (Rebate)	(3) - (6)	\$ (3,137,115)	\$ (525,026)	\$ 273,174	\$ (376,675)	\$ 286,130	\$ 451,058	\$ 78,373	\$ 24,746	\$ (4,572)	\$ 458,456	\$ 630,139	\$ (113,054)	\$ (1,954,367)
8	Deferral - Revenue Related Expenses	Rev Conv Factor	\$ 143,266	\$ 23,977	\$ (12,475)	\$ 17,202	\$ (13,067)	\$ (20,599)	\$ (3,579)	\$ (1,130)	\$ 209	\$ (20,937)	\$ (28,777)	\$ 5,163	\$ 89,252
	FERC Rate		3.50%	3.50%	3.50%	3.71%	3.71%	3.71%	3.96%	3.96%	3.96%	4.21%	4.21%	4.21%	
9	Interest on Deferral	Avg Balance Calc	\$ (4,366)	\$ (9,475)	\$ (9,854)	\$ (10,628)	\$ (10,794)	\$ (9,740)	\$ (9,595)	\$ (9,464)	\$ (9,335)	\$ (7,545)	\$ (6,706)	\$ (6,706)	\$ (106,967)
	<b>Monthly Residential Deferral Totals</b>		<b>\$ (2,998,215)</b>	<b>\$ (510,524)</b>	<b>\$ 250,845</b>	<b>\$ (370,101)</b>	<b>\$ 262,268</b>	<b>\$ 420,718</b>	<b>\$ 65,199</b>	<b>\$ 14,151</b>	<b>\$ (13,827)</b>	<b>\$ 428,184</b>	<b>\$ 593,816</b>	<b>\$ (114,597)</b>	<b>\$ (1,972,082)</b>
10	Cumulative Residential Deferral Surcharge/(Rebate) Balance	Σ((7)~(9))	\$ (2,998,215)	\$ (3,508,740)	\$ (3,257,895)	\$ (3,627,996)	\$ (3,365,728)	\$ (2,945,009)	\$ (2,879,810)	\$ (2,865,659)	\$ (2,879,486)	\$ (2,451,302)	\$ (1,857,485)	<b>\$ (1,972,082)</b>	
<b>Non-Residential Group</b>															
11	Actual Customers	Revenue System	2,866	2,902	2,916	2,906	2,896	2,946	2,913	2,937	2,920	2,927	2,936	2,948	35,013
12	Monthly Decoupled Revenue per Customer	Attachment 5, Page 3	\$753.65	\$633.97	\$560.25	\$374.05	\$292.94	\$222.78	\$168.58	\$165.55	\$202.04	\$414.48	\$584.57	\$759.99	\$427.33
13	Decoupled Revenue	(11) x (12)	\$ 2,159,958	\$ 1,839,786	\$ 1,633,675	\$ 1,086,991	\$ 848,352	\$ 656,300	\$ 491,063	\$ 486,213	\$ 589,945	\$ 1,213,193	\$ 1,716,304	\$ 2,240,455	\$ 14,962,237
	Actual Usage (informational only)		9,022,828	7,657,412	5,938,084	4,309,520	2,727,620	2,167,431	1,721,383	1,755,660	2,513,871	3,878,272	5,784,096	8,208,132	
14	Actual Base Rate Revenue (Excludes Gas Costs)	Revenue System	\$ 2,687,109	\$ 2,288,757	\$ 1,839,236	\$ 1,400,402	\$ 968,527	\$ 804,792	\$ 687,977	\$ 700,180	\$ 887,558	\$ 1,254,376	\$ 1,801,576	\$ 2,405,752	
15	Actual Fixed Charge Revenue	Revenue System	\$ 319,691	\$ 298,237	\$ 299,449	\$ 298,624	\$ 298,968	\$ 304,063	\$ 299,901	\$ 302,515	\$ 300,448	\$ 298,968	\$ 300,605	\$ 332,404	\$ 284,936
16	Customer Decoupled Payments	(14) - (15)	\$ 2,367,417	\$ 1,990,520	\$ 1,539,787	\$ 1,101,779	\$ 669,559	\$ 500,729	\$ 388,076	\$ 397,664	\$ 587,110	\$ 953,771	\$ 1,469,172	\$ 2,120,816	\$ 14,086,400
	Non-Residential Revenue Per Customer Received		\$826.04	\$685.91	\$528.05	\$379.14	\$231.20	\$169.97	\$133.22	\$135.40	\$201.07	\$325.85	\$500.40	\$719.41	\$402.32
17	Deferral - Surcharge (Rebate)	(13) - (16)	\$ (207,459)	\$ (150,734)	\$ 93,888	\$ (14,788)	\$ 178,794	\$ 155,571	\$ 102,987	\$ 88,549	\$ 2,835	\$ 259,422	\$ 247,132	\$ 119,639	\$ 875,837
18	Deferral - Revenue Related Expenses	Rev Conv Factor	\$ 9,474	\$ 6,884	\$ (4,288)	\$ 675	\$ (8,165)	\$ (7,105)	\$ (4,703)	\$ (4,044)	\$ (129)	\$ (11,847)	\$ (11,286)	\$ (5,464)	\$ (39,998)
	FERC Rate		3.50%	3.50%	3.50%	3.71%	3.71%	3.71%	3.96%	3.96%	3.96%	4.21%	4.21%	4.21%	
19	Interest on Deferral	Avg Balance Calc	\$ (289)	\$ (788)	\$ (869)	\$ (808)	\$ (568)	\$ (77)	\$ 325	\$ 628	\$ 774	\$ 1,264	\$ 2,117	\$ 2,738	\$ 4,447
	<b>Monthly Non-Residential Deferral Totals</b>		<b>\$ (198,274)</b>	<b>\$ (144,639)</b>	<b>\$ 88,731</b>	<b>\$ (14,920)</b>	<b>\$ 170,061</b>	<b>\$ 148,390</b>	<b>\$ 98,609</b>	<b>\$ 85,133</b>	<b>\$ 3,479</b>	<b>\$ 248,839</b>	<b>\$ 237,963</b>	<b>\$ 116,914</b>	<b>\$ 840,286</b>
20	Cumulative Non-Residential Deferral Surcharge/(Rebate) Balance	Σ((17)~(19))	\$ (198,274)	\$ (342,912)	\$ (254,181)	\$ (269,101)	\$ (99,041)	\$ 49,349	\$ 147,958	\$ 233,091	\$ 236,570	\$ 485,410	\$ 723,372	<b>\$ 840,286</b>	
21	<b>Total Cumulative Natural Gas Deferral</b>	<b>(10) + (20)</b>	<b>\$ (3,196,489)</b>	<b>\$ (3,851,652)</b>	<b>\$ (3,512,076)</b>	<b>\$ (3,897,097)</b>	<b>\$ (3,464,769)</b>	<b>\$ (2,895,660)</b>	<b>\$ (2,731,852)</b>	<b>\$ (2,632,568)</b>	<b>\$ (2,642,916)</b>	<b>\$ (1,965,892)</b>	<b>\$ (1,134,113)</b>	<b>\$ (1,131,796)</b>	

Docket No. UG-150205 Authorized Decoupling Baseline

**Avista Utilities**  
**Natural Gas Decoupling Mechanism**  
**Development of Decoupled Revenue by Rate Schedule - Natural Gas**

	TOTAL	RESIDENTIAL SCHEDULE 101	GENERAL SVC. SCH. 111	LG. GEN. SVC. SCH. 121	INTERRUPTIBLE SCH 131	SCHEDULES 112, 122, 132	SCHEDULES 146 & 148
1 Total Normalized 12 ME Sept 2014 Revenue	\$ 146,557,000	\$ 106,954,000	\$ 31,478,000	\$ 2,973,000	\$ -	\$ 968,000	\$ 4,184,000
2 Allowed Revenue Increase (Attachment 2)	\$ 10,824,000	\$ 8,398,000	\$ 1,867,000	\$ 161,000	\$ -	\$ 40,000	\$ 358,000
3 Total Rate Revenue (January 11, 2016)	\$ 157,381,000	\$ 115,352,000	\$ 33,345,000	\$ 3,134,000	\$ -	\$ 1,008,000	\$ 4,542,000
4 Normalized Therms (12ME Sept 2014 Test Year)	255,186,931	120,721,607	47,537,282	5,069,530	-	1,781,211	80,077,301
5 11/1/2015 Schedule 150 PGA Rates		\$ 0.38907	\$ 0.38166	\$ 0.37077	\$ 0.33645		
6 Variable Gas Supply Revenue	\$ 66,991,864	\$ 46,969,156	\$ 18,143,079	\$ 1,879,630	\$ -		
7 Delivery Revenue (Ln 3 - Ln 6)	\$ 84,839,136	\$ 68,382,844	\$ 15,201,921	\$ 1,254,370	\$ -		
8 Customer Bills (12ME Sept 2014 Test Year)	1,819,516	1,787,943	30,697	312	0	48	516
9 Allowed Basic Charges		\$9.00	\$101.44	\$252.28	\$0.00		
10 Basic Charge Revenue (Ln 8 * Ln 9)	\$ 19,284,102	\$ 16,091,487	\$ 3,113,904	\$ 78,711	\$ -		
11 Decoupled Revenue	\$ 65,555,034	\$ 52,291,357	\$ 12,088,017	\$ 1,175,659	\$ -	Excluded From Decoupling	
		Residential	Non-Residential Group				
12 Average Number of Customers (Line 8 / 12)		148,995	2,584				
13 Annual Therms		120,721,607	52,606,812				
14 Basic Charge Revenues		\$ 16,091,487	\$ 3,192,615				
15 Customer Bills		1,787,943	31,009				
16 Average Basic Charge		\$9.00	\$102.96				

**Avista Utilities**  
**Natural Gas Decoupling Mechanism**  
**Development of Decoupled Revenue Per Customer - Natural Gas**

<b>Line No.</b>	<b>Source</b>	<b>Residential</b>	<b>Non-Residential Schedules*</b>
(a)	(b)	(c)	(d)
1	Decoupled Revenues	Attachment 5, Page 1	
		\$ 52,291,357	\$ 13,263,676
2	Test Year # of Customers 12 ME 09.2014	Revenue Data	
		148,995	2,584
3	Decoupled Revenue Per Customer	(1) / (2)	
		\$ 350.96	\$ 5,132.84

\*Sales Schedules 111, 121, 131.

Docket No. UG-150205 Authorized Decoupling Baseline

**Avista Utilities**  
**Natural Gas Decoupling Mechanism**  
**'Development of Monthly Decoupled Revenue Per Customer - Natural Gas**

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															
2	<b><u>Natural Gas Delivery Volume</u></b>														
3	<i>Residential</i>														
4	- Weather-Normalized Therm Delivery Volume	Monthly Rate Year	21,149,989	17,496,849	14,113,448	7,866,788	4,895,089	2,998,022	2,095,088	2,047,777	2,727,612	8,666,827	14,928,966	21,735,152	120,721,607
5	- % of Annual Total	% of Total	17.52%	14.49%	11.69%	6.52%	4.05%	2.48%	1.74%	1.70%	2.26%	7.18%	12.37%	18.00%	100.00%
6															
7	<i>Non-Residential Sales*</i>														
8	- Weather-Normalized Therm Delivery Volume	Monthly Rate Year	7,724,199	6,497,617	5,741,989	3,833,669	3,002,355	2,283,253	1,727,751	1,696,708	2,070,681	4,248,069	5,991,318	7,789,203	52,606,812
9	- % of Annual Total	% of Total	14.68%	12.35%	10.91%	7.29%	5.71%	4.34%	3.28%	3.23%	3.94%	8.08%	11.39%	14.81%	100.00%
10															
11	<b><u>Monthly Decoupled Revenue Per Customer ("RPC")</u></b>														
12	<i>Residential</i>														
13	-UG-150205 Decoupled RPC	Attachment 5, P. 2 L. 3													\$ 350.96
14	-Monthly Decoupled RPC	(5) x (13)	\$ 61.49	\$ 50.87	\$ 41.03	\$ 22.87	\$ 14.23	\$ 8.72	\$ 6.09	\$ 5.95	\$ 7.93	\$ 25.20	\$ 43.40	\$ 63.19	\$ 350.96
15															
16	<i>Non-Residential Sales*</i>														
17	-UG-150205 Decoupled RPC	Attachment 5, P. 2 L. 3													\$ 5,132.84
18	-Monthly Decoupled RPC	(9) x (17)	\$ 753.65	\$ 633.97	\$ 560.25	\$ 374.05	\$ 292.94	\$ 222.78	\$ 168.58	\$ 165.55	\$ 202.04	\$ 414.48	\$ 584.57	\$ 759.99	\$ 5,132.84
19															
20	*Sales Schedules 111, 121, 131.														