

AVISTA UTILITIES
WASHINGTON - NATURAL GAS
SCHEDULE 191 - DSM

Source	TOTAL	GEN SERVICE SCHEDULE 101&102	LRG GEN SVC SCH. 111,112&116	EX LRG GEN SVC SCH. 121,122&126	INTERRUPTIBLE SCH. 131&132	TRANSPORT SCHEDULE 146	TRANSPORT SCHEDULE 148	
Forecast								
Total Annual Therms	190,573,814	129,254,350	55,626,395	4,762,543	930,526			
Present DSM Rates	\$	0.03028	\$	0.01626	\$	0.01276	\$	0.01132
Present Gross DSM Revenue	\$ 4,889,611	\$ 3,913,822	\$ 904,485	\$ 60,770	\$ 10,534			
UG-170486								
Base Revenue	\$ 82,226,000	\$ 65,960,000	\$ 15,082,000	\$ 999,000	\$ 185,000			
Percentage of Current Base Volumetric Revenue	100.00%	80.22%	18.34%	1.21%	0.22%			
Revenue Requirement	\$ -							
Revenue Spread Based on Current Allocation	\$ -	\$ -	\$ -	\$ -	\$ -			
DSM Revenue Increase <Decrease>	\$ (4,889,611)	\$ (3,913,822)	\$ (904,485)	\$ (60,770)	\$ (10,534)			
Proposed DSM Rates	\$	-	\$	-	\$	-	\$	-
Percentage Increase <Decrease>		-100.00%	-100.00%	-100.00%	-100.00%			
Present Billed Revenue	\$ 127,834,000	\$ 95,820,000	\$ 25,964,000	\$ 718,000	\$ 456,000	\$ 3,156,000	\$ 1,720,000	
Proposed Billed Revenue	\$ 122,944,389	\$ 91,906,178	\$ 25,059,515	\$ 657,230	\$ 445,466	\$ 3,156,000	\$ 1,720,000	
Overall Billed Percentage Increase <Decrease>	-3.82%	-4.08%	-3.48%	-8.46%	-2.31%	0.00%	0.00%	

Forecasted Usage	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19
Small Service Schedule 101				9,497,249	5,057,421	2,861,263	2,193,486
Large Service Schedule 111				3,800,204	2,304,488	1,563,793	1,652,904
Extra Large Service Schedule 121				313,430	252,836	211,227	281,351
Interrupt Service Schedule 131				69,932	51,174	38,319	44,256
Transport Service Schedule 146				3,565,969	3,017,941	2,601,293	2,341,923
Special Contract Transport				4,424,842	4,047,057	3,733,720	3,592,927
Total Forecasted Usage	-	-	-	21,671,627	14,730,917	11,009,615	10,106,846

DSM Rates

Small Service Schedule 101	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028
Large Service Schedule 111	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626
Extra Large Service Schedule 121	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276
Interrupt Service Schedule 131	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132
Transport Service Schedule 146							
Special Contract Transport							
Total							

Gross DSM Revenue	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19
Small Service Schedule 101	\$ -	\$ -	\$ -	\$ 287,577	\$ 153,139	\$ 86,639	\$ 66,419
Large Service Schedule 111	\$ -	\$ -	\$ -	\$ 61,791	\$ 37,471	\$ 25,427	\$ 26,876
Extra Large Service Schedule 121	\$ -	\$ -	\$ -	\$ 3,999	\$ 3,226	\$ 2,695	\$ 3,590
Interrupt Service Schedule 131	\$ -	\$ -	\$ -	\$ 792	\$ 579	\$ 434	\$ 501
Transport Service Schedule 146							
Special Contract Transport							
Total	\$ -	\$ -	\$ -	\$ 354,159	\$ 194,415	\$ 115,195	\$ 97,386

Net DSM Revenue	0.953535	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19
Small Service Schedule 101		\$ -	\$ -	\$ -	\$ 274,214	\$ 146,023	\$ 82,613	\$ 63,333
Large Service Schedule 111		\$ -	\$ -	\$ -	\$ 58,920	\$ 35,730	\$ 24,246	\$ 25,627
Extra Large Service Schedule 121		\$ -	\$ -	\$ -	\$ 3,814	\$ 3,076	\$ 2,570	\$ 3,423
Interrupt Service Schedule 131		\$ -	\$ -	\$ -	\$ 755	\$ 552	\$ 414	\$ 478
Transport Service Schedule 146								
Special Contract Transport								
Total		\$ -	\$ -	\$ -	\$ 337,703	\$ 185,382	\$ 109,843	\$ 92,861

WA101				9,497,249	5,057,421	2,861,263	2,193,486
WA111				3,792,539	2,299,838	1,560,189	1,648,238

WA112	7,666	4,650	3,604	4,666
WA121	313,430	252,836	211,227	281,351
WA132	69,932	51,174	38,319	44,256
WA146	3,565,969	3,017,941	2,601,293	2,341,923
WA148	4,424,842	4,047,057	3,733,720	3,592,927

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Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20
2,490,801	2,537,629	8,083,360	15,735,549	22,898,409	23,385,530	18,608,678	15,440,274	9,571,569	5,127,350
1,404,917	2,196,614	4,408,859	7,087,234	9,260,136	8,750,436	7,316,605	5,958,902	3,906,278	2,323,545
238,626	327,760	494,686	596,975	567,152	558,660	518,132	424,889	323,238	251,045
24,593	35,201	70,611	113,373	134,032	131,861	119,125	99,360	72,225	52,161
2,192,880	2,233,771	2,405,362	3,117,039	3,480,828	4,028,278	4,280,063	3,635,087	3,599,254	3,067,921
3,413,044	3,538,051	3,615,845	4,144,387	4,520,970	4,908,767	4,998,627	4,469,128	4,468,138	4,086,062
9,764,860	10,869,027	19,078,722	30,794,556	40,861,527	41,763,532	35,841,230	30,027,639	21,940,701	14,908,084

0.03028	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028
0.01626	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626
0.01276	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276
0.01132	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132

Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20
\$ 75,421	\$ 76,839	\$ 244,764	\$ 476,472	\$ 693,364	\$ 708,114	\$ 563,471	\$ 467,531	\$ 289,827	\$ 155,256
\$ 22,844	\$ 35,717	\$ 71,688	\$ 115,238	\$ 150,570	\$ 142,282	\$ 118,968	\$ 96,892	\$ 63,516	\$ 37,781
\$ 3,045	\$ 4,182	\$ 6,312	\$ 7,617	\$ 7,237	\$ 7,129	\$ 6,611	\$ 5,422	\$ 4,125	\$ 3,203
\$ 278	\$ 398	\$ 799	\$ 1,283	\$ 1,517	\$ 1,493	\$ 1,348	\$ 1,125	\$ 818	\$ 590
\$ 101,589	\$ 117,137	\$ 323,564	\$ 600,612	\$ 852,688	\$ 859,017	\$ 690,399	\$ 570,970	\$ 358,285	\$ 196,831

Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20
\$ 71,917	\$ 73,269	\$ 233,391	\$ 454,333	\$ 661,147	\$ 675,211	\$ 537,289	\$ 445,808	\$ 276,360	\$ 148,042
\$ 21,783	\$ 34,057	\$ 68,357	\$ 109,884	\$ 143,574	\$ 135,671	\$ 113,440	\$ 92,390	\$ 60,565	\$ 36,025
\$ 2,903	\$ 3,988	\$ 6,019	\$ 7,263	\$ 6,901	\$ 6,797	\$ 6,304	\$ 5,170	\$ 3,933	\$ 3,054
\$ 265	\$ 380	\$ 762	\$ 1,224	\$ 1,447	\$ 1,423	\$ 1,286	\$ 1,072	\$ 780	\$ 563
\$ 96,868	\$ 111,694	\$ 308,529	\$ 572,704	\$ 813,068	\$ 819,103	\$ 658,319	\$ 544,439	\$ 341,638	\$ 187,685

2,490,801	2,537,629	8,083,360	15,735,549	22,898,409	23,385,530	18,608,678	15,440,274	9,571,569	5,127,350
1,400,437	2,188,764	4,393,536	7,065,733	9,235,840	8,731,137	7,302,695	5,947,731	3,898,503	2,318,877

4,480	7,850	15,322	21,501	24,296	19,299	13,910	11,170	7,775	4,668
238,626	327,760	494,686	596,975	567,152	558,660	518,132	424,889	323,238	251,045
24,593	35,201	70,611	113,373	134,032	131,861	119,125	99,360	72,225	52,161
2,192,880	2,233,771	2,405,362	3,117,039	3,480,828	4,028,278	4,280,063	3,635,087	3,599,254	3,067,921
3,413,044	3,538,051	3,615,845	4,144,387	4,520,970	4,908,767	4,998,627	4,469,128	4,468,138	4,086,062

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Jun 20	Jul 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21
2,872,177	2,503,024	2,084,882	2,984,815	7,807,394	15,900,611	23,326,612	23,572,499	18,452,081	15,630,326
1,583,456	1,429,415	1,769,106	1,856,994	4,823,517	7,282,356	9,344,688	9,129,686	7,128,075	6,139,498
222,294	239,087	309,847	281,424	541,396	606,780	564,840	571,336	498,945	429,543
39,752	38,233	30,744	29,171	74,388	113,195	131,551	134,228	113,860	100,798
2,674,184	2,403,810	2,234,943	2,274,469	2,427,370	3,145,431	3,516,528	4,084,411	4,300,496	3,654,029
3,772,247	3,629,612	3,449,305	3,573,089	3,650,351	4,177,983	4,553,109	4,940,561	5,029,910	4,499,804
11,164,110	10,243,180	9,878,827	10,999,962	19,324,416	31,226,356	41,437,329	42,432,722	35,523,366	30,453,998

0.03028	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028	0.03028
0.01626	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626	0.01626
0.01276	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276	0.01276
0.01132	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132	0.01132

Jun 20	Jul 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21
\$ 86,970	\$ 75,792	\$ 63,130	\$ 90,380	\$ 236,408	\$ 481,470	\$ 706,330	\$ 713,775	\$ 558,729	\$ 473,286
\$ 25,747	\$ 23,242	\$ 28,766	\$ 30,195	\$ 78,430	\$ 118,411	\$ 151,945	\$ 148,449	\$ 115,902	\$ 99,828
\$ 2,836	\$ 3,051	\$ 3,954	\$ 3,591	\$ 6,908	\$ 7,743	\$ 7,207	\$ 7,290	\$ 6,367	\$ 5,481
\$ 450	\$ 433	\$ 348	\$ 330	\$ 842	\$ 1,281	\$ 1,489	\$ 1,519	\$ 1,289	\$ 1,141
\$ 116,003	\$ 102,517	\$ 96,198	\$ 124,496	\$ 322,589	\$ 608,905	\$ 866,971	\$ 871,034	\$ 682,287	\$ 579,737

Jun 20	Jul 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21
\$ 82,928	\$ 72,270	\$ 60,197	\$ 86,181	\$ 225,423	\$ 459,099	\$ 673,510	\$ 680,610	\$ 532,768	\$ 451,295
\$ 24,551	\$ 22,162	\$ 27,429	\$ 28,792	\$ 74,786	\$ 112,909	\$ 144,885	\$ 141,551	\$ 110,517	\$ 95,190
\$ 2,705	\$ 2,909	\$ 3,770	\$ 3,424	\$ 6,587	\$ 7,383	\$ 6,872	\$ 6,952	\$ 6,071	\$ 5,226
\$ 429	\$ 413	\$ 332	\$ 315	\$ 803	\$ 1,222	\$ 1,420	\$ 1,449	\$ 1,229	\$ 1,088
\$ 110,613	\$ 97,754	\$ 91,728	\$ 118,711	\$ 307,599	\$ 580,613	\$ 826,687	\$ 830,561	\$ 650,584	\$ 552,799

2,872,177	2,503,024	2,084,882	2,984,815	7,807,394	15,900,611	23,326,612	23,572,499	18,452,081	15,630,326
1,579,765	1,425,393	1,763,398	1,850,269	4,806,968	7,260,637	9,320,731	9,110,017	7,114,800	6,128,214

3,691	4,022	5,709	6,725	16,549	21,719	23,957	19,669	13,275	11,284
222,294	239,087	309,847	281,424	541,396	606,780	564,840	571,336	498,945	429,543
39,752	38,233	30,744	29,171	74,388	113,195	131,551	134,228	113,860	100,798
2,674,184	2,403,810	2,234,943	2,274,469	2,427,370	3,145,431	3,516,528	4,084,411	4,300,496	3,654,029
3,772,247	3,629,612	3,449,305	3,573,089	3,650,351	4,177,983	4,553,109	4,940,561	5,029,910	4,499,804

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Apr 21	May 21	Jun 21	Jul 21	2019-2020	2020-2021	
9,717,079	5,233,678	2,960,084	2,421,980	129,254,350	130,092,040	
3,984,668	2,329,556	1,556,514	1,532,157	55,626,395	56,876,814	
326,847	249,539	218,525	260,618	4,762,543	4,859,640	
72,947	52,087	39,122	41,679	930,526	933,770	
3,629,893	3,089,320	2,704,718	2,425,650			
4,498,319	4,115,744	3,801,482	3,658,653			
<u>22,229,752</u>	<u>15,069,924</u>	<u>11,280,444</u>	<u>10,340,737</u>	190,573,814	192,762,264	1.1%
				190,573,814		

0.03028	0.03028	0.03028	0.03028
0.01626	0.01626	0.01626	0.01626
0.01276	0.01276	0.01276	0.01276
0.01132	0.01132	0.01132	0.01132

Apr 21	May 21	Jun 21	Jul 21
\$ 294,233	\$ 158,476	\$ 89,631	\$ 73,338
\$ 64,791	\$ 37,879	\$ 25,309	\$ 24,913
\$ 4,171	\$ 3,184	\$ 2,788	\$ 3,325
\$ 826	\$ 590	\$ 443	\$ 472
<u>\$ 364,020</u>	<u>\$ 200,128</u>	<u>\$ 118,171</u>	<u>\$ 102,048</u>

Apr 21	May 21	Jun 21	Jul 21
\$ 280,562	\$ 151,112	\$ 85,467	\$ 69,930
\$ 61,780	\$ 36,119	\$ 24,133	\$ 23,755
\$ 3,977	\$ 3,036	\$ 2,659	\$ 3,171
\$ 787	\$ 562	\$ 422	\$ 450
<u>\$ 347,106</u>	<u>\$ 190,829</u>	<u>\$ 112,681</u>	<u>\$ 97,306</u>

\$ 5,388,203 \$ -

9,717,079	5,233,678	2,960,084	2,421,980
3,976,866	2,324,928	1,552,907	1,527,789

7,802	4,628	3,607	4,367
326,847	249,539	218,525	260,618
72,947	52,087	39,122	41,679
3,629,893	3,089,320	2,704,718	2,425,650
4,498,319	4,115,744	3,801,482	3,658,653

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End of July 2019 Balance	\$ 520,858	Underfunded (Surcharge)
Aug 2019 - July 2021 Expenditure Budget	<u>\$ 8,898,142</u>	
Total Projected DSM Balance + Expenditures	\$ 9,419,000	
Net Revenue Projected to be Recovered	\$ (9,369,620)	Aug 2019 - July 2021
Total Projected DSM Balance (July 2021)	\$ 49,380	Underfunded (Surcharge)

August 2019 - July 2021

DSM Revenue	\$ (4,662,415)
DSM Expense	<u>\$ 4,673,621</u>
	\$ 11,206

**AVISTA UTILITIES
WASHINGTON NATURAL GAS
PROPOSED INCREASE BY SERVICE SCHEDULE
12 MONTHS ENDED DECEMBER 31, 2016
(000s of Dollars)**

From UG-170486 Compliance Filing, Attachment 2, Page 1

Line No.	Type of Service (a)	Schedule Number (b)	Base Tariff Revenue Under Present Rates(1) (c)	Final General Decrease (d)	Base Tariff Revenue Under Proposed Rates (e)	Base Tariff Percent Increase (f)
1	General Service	101/102	\$67,622	(\$1,663)	\$65,960	-2.5%
2	Large General Service	111/112/116	\$15,462	(\$380)	\$15,082	-2.5%
3	Large General Svc.-High Annual Load Factor	121/122/126	\$1,024	(\$25)	\$999	-2.5%
4	Interruptible Service	131/132	\$190	(\$5)	\$185	-2.5%
5	Transportation Service	146	\$2,921	(\$72)	\$2,849	-2.5%
6	Special Contracts	148	<u>\$1,612</u>	<u>\$0</u>	<u>\$1,612</u>	0.0%
7	Total		\$88,831	(\$2,145)	\$86,686	-2.4%

Total Billed Revenue at Present Rates (2)	Final General Decrease	Percent Increase on Billed Revenue
(g)	(i)	(j)
\$101,854	(\$1,663)	-1.6%
\$28,322	(\$380)	-1.3%
\$2,272	(\$25)	-1.1%
\$431	(\$5)	-1.1%
\$2,963	(\$72)	-2.4%
<u>\$1,612</u>	\$0	0.0%
\$137,455	(\$2,145)	-1.6%

**AVISTA UTILITIES
REVENUE CONVERSION FACTOR
WASHINGTON NATURAL GAS
TWELVE MONTHS ENDED DECEMBER 31, 2016**

From UG-170486

<u>Description</u>	<u>Factor</u>
Revenues	1.000000
Expense:	
Uncollectibles	0.006183
Commission Fees	0.002000
Washington Excise Tax	0.038282
Franchise Fees (City of Millwood Expired in 2004)	0.000000
Total Expense	<u>0.046465</u>
Net Operating Income Before FIT	0.953535
Federal Income Tax @ 21%	0.200242
REVENUE CONVERSION FACTOR	0.753293