

AVISTA UTILITIES
WASHINGTON ELECTRIC RESULTS
(000'S OF DOLLARS)
TWELVE MONTHS ENDED DECEMBER 31, 2019

Line No.	DESCRIPTION	Weather Normalization
	Adjustment Number	2.10
	Workpaper Reference	E-WN
REVENUES		
1	Total General Business	(\$3,836)
2	Interdepartmental Sales	-
3	Sales for Resale	-
4	Total Sales of Electricity	(3,836)
5	Other Revenue	2,883
6	Total Electric Revenue	(953)
EXPENSES		
Production and Transmission		
7	Operating Expenses	-
8	Purchased Power	-
9	Depreciation/Amortization	-
10	Regulatory Amortization	-
11	Taxes	-
12	Total Production & Transmission	-
Distribution		
13	Operating Expenses	-
14	Depreciation/Amortization	-
15	Taxes	(148)
16	Total Distribution	(148)
17	Customer Accounting	(13)
18	Customer Service & Information	-
19	Sales Expenses	-
Administrative & General		
20	Operating Expenses	(8)
21	Depreciation/Amortization	-
22	Regulatory Deferrals/Amortization	-
23	Taxes	-
24	Total Admin. & General	(8)
25	Total Electric Expenses	(169)
26	OPERATING INCOME BEFORE FIT	(784)
FEDERAL INCOME TAX		
27	Current Accrual	(165)
28	Debt Interest	-
29	Deferred Income Taxes	-
30	Amortized ITC - Noxon	-
31	NET OPERATING INCOME	(\$619)
RATE BASE		
PLANT IN SERVICE		
32	Intangible	\$0
33	Production	-
34	Transmission	-
35	Distribution	-
36	General	-
37	Total Plant in Service	-
ACCUMULATED DEPRECIATION/AMORT		
38	Intangible	-
39	Production	-
40	Transmission	-
41	Distribution	-
42	General	-
43	Total Accumulated Depreciation	-
44	NET PLANT	-
45	DEFERRED TAXES	-
46	Net Plant After DFIT	-
47	DEFERRED DEBITS AND CREDITS & OTHER	-
48	WORKING CAPITAL	-
49	TOTAL RATE BASE	\$0

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	(\$1,487,792)	(\$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	(\$3,836,352)	\$703,853	(\$4,061,358)	(\$2,297,099)	\$403,499	\$1,184,833	(\$668,313)	\$1,737,022	(\$1,374,863)	\$29,709	(\$1,600,177)	(\$117,003)	\$2,223,545
	66%	66%	65%	66%	65%	65%	73%	70%	69%	65%	65%	66%	66%
Decoupling Revenue Offset													
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	(\$1,181,960)	(\$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	(\$3,024,012)	\$555,524	(\$3,205,666)	(\$1,813,021)	\$319,755	\$938,685	(\$520,401)	\$1,361,533	(\$1,077,716)	\$23,289	(\$1,268,322)	(\$92,722)	\$1,755,050
Revenue Related Expenses \$141,152													
Decoupling Adjustment \$2,882,860													
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	(\$812,340)	\$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	(\$1,973,710)	\$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													
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	(\$1,393,413)	\$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 \$8,135													
FCA Adjustment \$1,385,278													
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	(\$580,297)	\$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	(\$2,443,187)	(\$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 & Baselo			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	0.01566		0.01811	
									Decoupling RRA rate	0.02108	0.01641		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¢		0.000¢		5.362¢	
									PCA LCAR	0.02200	0.02473		0.02484	
									Fixed Cost Adjustment RRA rate	0.02212	0.02488		0.02499	

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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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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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Weather Sensitivity Regression Summary for January 2009 through December 2018

Adj R ²	Dependent Variable	Shoulder Mo. Heating	Winter Mo Heating	Shoulder Mo Cooling	Summer Mo Cooling	Usage/Cust Base Load	Usage/Cust 2018 Low	Durbin Watson test results
		Apr, May, Jun, Oct, Nov	Dec, Jan, Feb, Mar	Apr, May, Oct, Nov	Jun, Jul, Aug, Sep			
Washington Electric								
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)
Idaho Electric								
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: _____

AVISTA UTILITIES
Weather Normalization
Degree Day Comparison
Twelve Months Ended December 31, 2019

CALENDAR MONTHLY DDH & DDC	ACTUAL DDH	ACTUAL DDC	1990- 2019	1990 - 2019	ADJUSTMENT	ADJUSTMENT
			30 YEAR AVG DDH	30 YEAR AVG DDC	NORM - ACT DDH	NORM - ACT DDC
Jan - 19	1,052	0	1,103	0	51	0
Feb - 19	1,218	0	915	0	-303	0
Mar - 19	938	0	775	0	-163	0
Apr - 19	500	0	542	0	42	0
May - 19	180	14	298	15	118	1
Jun - 19	96	87	137	52	41	-35
Jul - 19	8	152	26	209	18	57
Aug - 19	3	230	30	185	27	-45
Sep - 19	209	40	158	41	-51	1
Oct - 19	697	0	534	1	-163	1
Nov - 19	875	0	863	0	-12	0
Dec - 19	972	0	1,132	0	160	0
	<hr/>					
	6,748	523	6,513	503	-235	-20
Heating Season Totals	6,528		6,299		-229	
Summer Season Totals		523		502		-21

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Spokane AP Weather Station
Heating Degree Day History

														Heating Season
		July	August	September	October	November	December	January	February	March	April	May	June	Total
1	2018 - 2019	15	24	169	517	836	1,021	1,052	1,218	938	500	180	96	6,566
2	2017 - 2018	0	3	166	560	811	1,179	960	968	783	543	125	103	6,201
3	2016 - 2017	20	10	158	508	637	1,289	1,379	992	741	556	272	66	6,628
4	2015 - 2016	5	11	197	322	899	1,054	1,048	753	683	308	198	110	5,588
5	2014 - 2015	7	5	94	357	906	991	1,049	713	597	519	157	25	5,420
6	2013 - 2014	0	7	160	590	898	1,213	1,090	1,085	780	537	227	106	6,693
7	2012 - 2013	20	14	68	504	779	1,040	1,243	869	730	561	272	140	6,240
8	2011 - 2012	40	8	99	516	890	1,118	1,078	930	809	494	345	175	6,502
9	2010 - 2011	48	47	158	472	948	1,096	1,103	1,006	790	698	401	192	6,959
10	2009 - 2010	17	23	103	668	834	1,252	919	751	733	538	420	190	6,448
11	2008 - 2009	8	52	142	529	785	1,328	1,204	957	936	586	303	93	6,923
12	2007 - 2008	0	27	194	553	894	1,126	1,243	952	880	683	274	176	7,002
13	2006 - 2007	8	30	170	552	865	1,122	1,243	864	685	548	270	136	6,493
14	2005 - 2006	11	22	229	489	919	1,258	905	949	812	525	301	104	6,524
15	2004 - 2005	16	34	204	480	857	1,020	1,128	842	711	503	260	166	6,221
16	2003 - 2004	9	1	151	418	1,056	1,083	1,193	945	668	455	315	131	6,425
17	2002 - 2003	28	26	219	678	839	962	957	885	745	588	365	90	6,382
18	2001 - 2002	33	20	100	588	744	1,136	1,063	934	938	581	412	137	6,686
19	2000 - 2001	51	43	285	572	1,134	1,245	1,168	1,060	795	634	320	201	7,508
20	1999 - 2000	75	36	181	540	703	1,030	1,143	908	799	496	363	142	6,416
21	1998 - 1999	0	20	101	565	748	1,119	1,010	836	769	594	448	186	6,396
22	1997 - 1998	35	15	116	549	785	1,098	1,058	747	721	505	276	90	5,995
23	1996 - 1997	35	49	281	603	949	1,241	1,130	928	794	642	264	154	7,070
24	1995 - 1996	21	88	146	648	742	1,120	1,217	1,045	880	556	471	143	7,077
25	1994 - 1995	26	13	81	558	970	1,071	1,045	771	771	578	262	170	6,316
26	1993 - 1994	151	83	217	457	1,063	1,051	904	998	713	469	262	160	6,528
27	1992 - 1993	32	60	232	481	916	1,297	1,331	1,102	834	578	192	165	7,220
28	1991 - 1992	15	16	108	574	918	992	1,024	750	598	477	206	61	5,739
29	1990 - 1991	37	42	54	610	774	1,356	1,212	716	866	568	406	248	6,889
30	1989 - 1990	22	76	149	554	805	1,048	976	968	739	454	373	166	6,330
1990 - 2019 30-Year Average		26	30	158	534	863	1,132	1,103	915	775	542	298	137	6,513

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Spokane AP Weather Station
Cooling Degree Day History

		January	February	March	April	May	June	July	August	September	October	November	December	Total
1	2019	0	0	0	0	14	87	152	230	40	0	0	0	523
2	2018	0	0	0	1	37	31	280	209	15	0	0	0	573
3	2017	0	0	0	0	35	86	303	281	89	0	0	0	794
4	2016	0	0	0	6	6	114	152	209	7	0	0	0	494
5	2015	0	0	0	0	32	225	300	251	20	0	0	0	828
6	2014	0	0	0	0	6	14	348	238	47	1	0	0	654
7	2013	0	0	0	0	30	48	284	239	108	0	0	0	709
8	2012	0	0	0	2	8	20	251	227	27	0	0	0	535
9	2011	0	0	0	0	5	18	103	195	105	0	0	0	426
10	2010	0	0	0	0	4	19	178	165	10	4	0	0	380
11	2009	0	0	0	0	23	47	245	196	78	0	0	0	589
12	2008	0	0	0	0	27	60	182	176	29	4	0	0	478
13	2007	0	0	0	0	7	56	338	143	32	0	0	0	576
14	2006	0	0	0	0	41	66	285	161	62	0	0	0	615
15	2005	0	0	0	0	13	32	179	174	11	0	0	0	409
16	2004	0	0	0	0	0	96	249	225	1	0	0	0	571
17	2003	0	0	0	0	12	58	266	174	66	2	0	0	578
18	2002	0	0	0	0	0	63	231	81	30	0	0	0	405
19	2001	0	0	0	0	29	19	146	213	54	0	0	0	461
20	2000	0	0	0	0	0	29	146	129	16	0	0	0	320
21	1999	0	0	0	0	7	41	118	210	14	0	0	0	390
22	1998	0	0	0	0	6	22	325	234	110	0	0	0	697
23	1997	0	0	0	0	14	9	122	209	30	6	0	0	390
24	1996	0	0	0	0	0	16	198	150	17	0	0	0	381
25	1995	0	0	0	0	14	29	119	59	38	0	0	0	259
26	1994	0	0	0	0	9	37	280	159	43	0	0	0	528
27	1993	0	0	0	0	36	27	11	64	34	0	0	0	172
28	1992	0	0	0	0	25	159	124	209	11	8	0	0	536
29	1991	0	0	0	0	0	0	139	187	20	0	0	0	346
30	1990	0	0	0	0	0	42	213	157	68	0	0	0	480
1987 - 2016 30-Year Average		0	0	0	0	15	52	209	185	41	1	0	0	503

Prep by: _____ 1st Review: _____

Summarize No of Customers by Code

		201901	201902	201903	201904	201905	201906	201907	201908	201909	201910	201911	201912
WA Residential Sch 1	WR1	218,066	211,896	222,742	215,988	220,080	217,378	217,866	218,561	212,449	225,194	219,427	219,799
WA Residential Sch 11	WR11	9,680	9,411	9,902	9,671	9,766	9,692	9,736	9,767	9,551	10,011	9,705	9,795
WA Commercial Sch 11	WC11	22,789	22,164	23,152	22,684	22,817	22,711	22,734	22,772	22,354	23,230	22,673	22,739
WA Industrial Sch 11	WI11	127	124	129	127	119	129	123	124	124	127	124	124
WA Total Sch 11	WT11	32,663	31,762	33,249	32,546	32,768	32,598	32,660	32,731	32,100	33,433	32,560	32,733
WA Residential Sch 21	WR21	50	44	50	47	48	48	47	49	44	52	48	47
WA Commercial Sch 21	WC21	1,768	1,718	1,818	1,772	1,758	1,782	1,782	1,778	1,720	1,827	1,757	1,787
WA Industrial Sch 21	WI21	76	75	76	77	72	78	78	74	75	77	73	76
WA Total Sch 21	WT21	1,910	1,853	1,960	1,912	1,894	1,925	1,923	1,917	1,855	1,972	1,894	1,926
WA Commercial Sch 25	WC25	10	10	10	10	10	10	10	10	10	10	10	10
WA Industrial Sch 25	WI25	13	13	13	13	13	13	13	13	13	13	13	13
WA Total Sch 25	WT25	23	23	23	23	23	23	23	23	23	23	23	23
WA Residential Sch 31	WR31	1,172	1,119	1,173	1,181	1,163	1,162	1,136	1,161	1,156	1,187	1,145	1,153
WA Commercial Sch 31	WC31	672	645	682	671	681	676	684	670	676	694	659	677
WA Industrial Sch 31	WI31	637	619	615	623	624	615	623	625	614	627	617	610
WA Total Sch 31	WT31	2,485	2,387	2,474	2,479	2,472	2,457	2,447	2,460	2,450	2,512	2,425	2,444
		-	-	-	-	-	-	-	-	-	-	-	-
ID Residential Sch 1	IR1	109,281	109,288	109,370	109,346	109,458	109,284	109,672	109,858	110,104	110,464	110,566	110,894
ID Residential Sch 11	IR11	5,590	5,558	5,598	5,612	5,659	5,607	5,692	5,679	5,667	5,767	5,753	5,807
ID Commercial Sch 11	IC11	16,209	16,095	16,177	16,151	16,243	16,106	16,250	16,261	16,184	16,383	16,261	16,033
ID Industrial Sch 11	I11	127	125	123	122	123	122	121	121	119	119	117	117
ID Total Sch 11	IT11	21,957	21,809	21,928	21,917	22,056	21,866	22,094	22,092	22,001	22,300	22,162	21,988
ID Residential Sch 21	IR21	17	17	17	17	17	17	17	17	17	17	17	17
ID Commercial Sch 21	IC21	996	986	993	988	991	980	981	974	974	975	966	969
ID Industrial Sch 21	I21	55	55	56	56	58	57	59	57	58	59	58	61
ID Total Sch 21	IT21	1,072	1,062	1,070	1,065	1,070	1,058	1,061	1,052	1,053	1,055	1,045	1,051
ID Commercial Sch 25	IC25	4	3	3	3	3	3	3	3	3	3	3	3
ID Industrial Sch 25	I25	8	8	8	8	8	7	7	7	7	7	7	7
ID Total Sch 25	IT25	12	11	11	11	11	10	10	10	10	10	10	10
ID Residential Sch 31	IR31	631	625	628	631	636	631	639	634	634	633	630	636
ID Commercial Sch 31	IC31	571	554	567	560	572	563	567	563	555	577	562	564
ID Industrial Sch 31	I31	245	230	240	237	243	236	240	236	232	243	229	239
ID Total Sch 31	IT31	1,449	1,411	1,437	1,430	1,453	1,432	1,448	1,435	1,423	1,455	1,423	1,441