Exh. EMA-7	
BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION	
DOCKET NO. UE-17	
DOCKET NO. UG-17	
EXH. EMA-7	
ELIZABETH M. ANDREWS	
REPRESENTING AVISTA CORPORATION	

(Pro Forma including EOP 2017 Capital / Adjusted Capital Structure)

#### (Natural Gas)

AVISTA UTILITIES

WASHINGTON NATURAL GAS

#### INCLUDING EOP 2017 CAPITAL & ADJUSTED CAPITAL STRUCTURE

TWELVE MONTHS ENDED DECEMBER 31, 2016

(000'S OF DOLLARS)

Trans	(000)	OF DOLLARS)			May 1, 2018		
Intent			WIT	H PRESENT RATES	WITH 05.2018 PROI	POSED RATES	
REVENUES		DESCRIPTION	Results		Adjusted	Revenues &	Proposed
1 Total Centeral Business		a	b	<i>c</i>	d	e	f
2   Total Transportation   4.595		REVENUES					
1 Fine Revenues			. ,			\$8,269	\$92,568
Total Case Revenues   220.14		÷					4,533
Percentage   Per						8 260	97,345
Production Expenses   12,005	7		220,410	(131,340)	67,070	6,207	71,545
5 City Gaie Purchases         112.605         (112.695)							
Purchased Gas Expense   988	5	=	112,605	(112,605)	_		-
Total Production		The state of the s			1,019		1,019
Underground Storage					-		-
9 Operating Expenses         974         -         942         37         559           10 Depreciation         492         37         559           11 Taces         210         37         247           Distribution           13 Operating Expenses         12,049         644         12,693         1           14 Depreciation         9,866         1,078         10,944         9.7           15 Taces         12,807         (6,539)         6,268         317         3           16 Total Distribution         34,722         (4,817)         29,905         317         3           17 Castomer Accounting         7,352         (700)         6,652         40         40           18 Castomer Service & Information         7,595         (6,618)         977         4           2 States Expenses         1         3,763         (43)         13,720         17         17           2 Depreciation Amortization         6,200         2,143         8,403         4         4           21 Post Affaire Expenses         13,763         (43)         13,720         17         1         2         2         13         13         13         13         13         <	8	Total Production	116,525	(115,506)	1,019	-	1,019
Depreciation		Underground Storage					
Takes							974
Total Underground Storage		-					529
Distribution							247 1,750
13   Operating Expenses   12.049   644   12.603   1.18	12		1,070	/4	1,730	-	1,730
Page	13		12 049	644	12 603		12,693
Taxes							10,944
17   Customer Accounting   7,352   7000   6,652   40     18   Customer Service & Information   7,595   6,618   977     19   Salets Expenses   7,595   6,618   977     20   Operating Expenses   13,763   (43)   13,720   17   1     21   Depreciation Amortization   6,260   2,143   8,403     22   Regulatory Amortizations   - 584   584     23   Taxes       24   Total Admin. & General   20,023   2,084   22,707   17   2     25   Total Gas Expense   187,893   (124,883)   63,010   374   6     26   OPERATING INCOME BEFORE FIT   32,523   6,457   26,066   7,895   3     27   Total Gas Expense   8,41   2,351   3,192   2,763     28   Debt Interest   - 3,252   3,2		•				317	6,585
Recommendation   Reco	16	Total Distribution	34,722	(4,817)	29,905	317	30,222
Recommendation   Reco	17	Customer Accounting	7,352	(700)	6,652	40	6,692
Administrative & General	18	Customer Service & Information					977
Depreciation/Amortization	19	Sales Expenses	-	-	-		-
Percentation   Perc		Administrative & General					
Regulatory Amortizations   1	20	Operating Expenses	13,763	(43)	13,720	17	13,737
Taxes		_	6,260				8,403
			-	584	584		584
187,893   124,883   63,010   374   66			20.023	2 684	22 707	17	22,724
FEDERAL INCOME BEFORE FIT   32,523   (6,457)   26,066   7,895   3   3   3   3   3   3   3   3   3							63,384
FEDERAL INCOME TAX   Current Accrual   (841)   (2,351)   (3,192)   2,763   Current Accrual   (841)   (2,351)   (3,192)   2,763   Current Accrual   (841)   (2,351)   (3,192)   2,763   Current Accrual   (841)   (2,351)   (3,192)   (3,192)   Current Accrual   (841)   (84		•					33,961
Current Accrual   (841)	20		32,323	(0,437)	20,000	7,893	33,701
Debt Interest   Page   Page	27		(9/1)	(2.351)	(3.102)	2 763	(429)
Power of Fit			(641)			2,703	(312)
NET OPERATING INCOME   23,458   (3,794)   19,664   5,132   2   2   2   2   2   2   2   2   2			9,923				9,923
RATE BASE: PLANT IN SERVICE  32 Underground Storage	30	Amort ITC	(17)	-	(17)		(17)
32         Underground Storage         26,868         1,349         28,217         2           33         Distribution Plant         390,508         44,446         434,954         43           34         General Plant         82,624         15,489         98,113         9           35         Total Plant in Service         500,000         61,284         561,284         -         56           ACCUMULATED DEPREC/AMORT           36         Underground Storage         (10,317)         (655)         (10,972)         (1           37         Distribution Plant         (129,098)         (12,243)         (141,341)         (14           38         General Plant         (23,473)         (5,603)         (29,076)         (2           39         Total Accum. Depreciation/Amort.         (162,888)         (18,501)         (181,389)         -         (18           40         NET PLANT         337,112         42,783         379,895         -         37           41         DEFERRED FIT         (73,856)         (11,641)         (85,497)         (8           42         Net Plant After DFIT         263,256         31,142         294,398         -         29           45<	31	NET OPERATING INCOME	23,458	(3,794)	19,664	5,132	24,796
32         Underground Storage         26,868         1,349         28,217         2           33         Distribution Plant         390,508         44,446         434,954         43           34         General Plant         82,624         15,489         98,113         9           35         Total Plant in Service         500,000         61,284         561,284         -         56           ACCUMULATED DEPREC/AMORT           36         Underground Storage         (10,317)         (655)         (10,972)         (1           37         Distribution Plant         (129,098)         (12,243)         (141,341)         (14           38         General Plant         (23,473)         (5,603)         (29,076)         (2           39         Total Accum. Depreciation/Amort.         (162,888)         (18,501)         (181,389)         -         (18           40         NET PLANT         337,112         42,783         379,895         -         37           41         DEFERRED FIT         (73,856)         (11,641)         (85,497)         (8           42         Net Plant After DFIT         263,256         31,142         294,398         -         29           45<		DATE DAGE, DI ANT IN CEDVICE					
33   Distribution Plant   390,508   44,446   434,954   434,954   434   434,954   434	32		26 868	1 349	28 217		28,217
35         Total Plant in Service         500,000         61,284         561,284         -         566           ACCUMULATED DEPREC/AMORT         Company of the property of t							434,954
ACCUMULATED DEPREC/AMORT  16 Underground Storage (10,317) (655) (10,972) (1 17 Distribution Plant (129,098) (12,243) (141,341) (144 18 General Plant (23,473) (5,603) (29,076) (2 19 Total Accum. Depreciation/Amort. (162,888) (18,501) (181,389) - (18 10 NET PLANT 337,112 42,783 379,895 - 37 11 DEFERRED FIT (73,856) (11,641) (85,497) (8 12 Net Plant After DFIT 263,256 31,142 294,398 - 29 13 GAS INVENTORY 9,116 - 9,116 14 GAIN ON SALE OF BUILDING - 9,116 15 OTHER (249) 1,474 1,225 16 WORKING CAPITAL 15,664 (864) 14,800 1 17 TOTAL RATE BASE 28,787 30,278 319,539 0 31	34	General Plant		15,489			98,113
36         Underground Storage         (10,317)         (655)         (10,972)         (1           37         Distribution Plant         (129,098)         (12,243)         (141,341)         (14           38         General Plant         (23,473)         (5,603)         (29,076)         (2           39         Total Accum. Depreciation/Amort.         (162,888)         (18,501)         (181,389)         -         (18           40         NET PLANT         337,112         42,783         379,895         -         37           41         DEFERRED FIT         (73,856)         (11,641)         (85,497)         (8           42         Net Plant After DFIT         263,256         31,142         294,398         -         29           43         GAS INVENTORY         9,116         -         9,116           44         GAIN ON SALE OF BUILDING         -         -         -           45         OTHER         (249)         1,474         1,225           46         WORKING CAPITAL         15,664         (864)         14,800         1           47         TOTAL RATE BASE         287,787         30,278         319,539         0         31	35	Total Plant in Service	500,000	61,284	561,284	-	561,284
37         Distribution Plant         (129,098)         (12,243)         (141,341)         (14           38         General Plant         (23,473)         (5,603)         (29,076)         (2           39         Total Accum. Depreciation/Amort.         (162,888)         (18,501)         (181,389)         -         (18           40         NET PLANT         337,112         42,783         379,895         -         37           41         DEFERRED FIT         (73,856)         (11,641)         (85,497)         (8           42         Net Plant After DFIT         263,256         31,142         294,398         -         29           43         GAS INVENTORY         9,116         -         9,116           44         GAIN ON SALE OF BUILDING         -         -         -           45         OTHER         (249)         1,474         1,225           46         WORKING CAPITAL         15,664         (864)         14,800         1           47         TOTAL RATE BASE         287,787         30,278         319,539         0         31		ACCUMULATED DEPREC/AMORT					
38         General Plant         (23,473)         (5,603)         (29,076)         (2           39         Total Accum. Depreciation/Amort.         (162,888)         (18,501)         (181,389)         -         (18           40         NET PLANT         337,112         42,783         379,895         -         37           41         DEFERRED FIT         (73,856)         (11,641)         (85,497)         (8           42         Net Plant After DFIT         263,256         31,142         294,398         -         29           43         GAS INVENTORY         9,116         -         9,116           44         GAIN ON SALE OF BUILDING         -         -         -           45         OTHER         (249)         1,474         1,225           46         WORKING CAPITAL         15,664         (864)         14,800         1           47         TOTAL RATE BASE         287,787         30,278         319,539         0         31	36	Underground Storage	(10,317)	(655)	(10,972)		(10,972)
39 Total Accum. Depreciation/Amort.         (162,888)         (18,501)         (181,389)         -         (18           40 NET PLANT         337,112         42,783         379,895         -         37           41 DEFERRED FIT         (73,856)         (11,641)         (85,497)         (8           42 Net Plant After DFIT         263,256         31,142         294,398         -         29           43 GAS INVENTORY         9,116         -         9,116         -         -         -           44 GAIN ON SALE OF BUILDING         -         -         -         -         -         -         -           45 OTHER         (249)         1,474         1,225         - <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(141,341)</td>							(141,341)
40 NET PLANT     337,112     42,783     379,895     -     37       41 DEFERRED FIT     (73,856)     (11,641)     (85,497)     (8       42 Net Plant After DFIT     263,256     31,142     294,398     -     29       43 GAS INVENTORY     9,116     -     9,116       44 GAIN ON SALE OF BUILDING     -     -     -     -       45 OTHER     (249)     1,474     1,225       46 WORKING CAPITAL     15,664     (864)     14,800     1       47 TOTAL RATE BASE     287,787     30,278     319,539     0     31							(29,076)
41         DEFERRED FIT         (73,856)         (11,641)         (85,497)         (8           42         Net Plant After DFIT         263,256         31,142         294,398         -         29           43         GAS INVENTORY         9,116         -         9,116           44         GAIN ON SALE OF BUILDING         -         -         -           45         OTHER         (249)         1,474         1,225           46         WORKING CAPITAL         15,664         (864)         14,800         1           47         TOTAL RATE BASE         287,787         30,278         319,539         0         31							(181,389)
42         Net Plant After DFIT         263,256         31,142         294,398         -         29           43         GAS INVENTORY         9,116         -         9,116           44         GAIN ON SALE OF BUILDING         -         -         -           45         OTHER         (249)         1,474         1,225           46         WORKING CAPITAL         15,664         (864)         14,800         1           47         TOTAL RATE BASE         287,787         30,278         319,539         0         31						-	379,895 (85,497)
43     GAS INVENTORY     9,116     -     9,116       44     GAIN ON SALE OF BUILDING     -     -     -       45     OTHER     (249)     1,474     1,225       46     WORKING CAPITAL     15,664     (864)     14,800     1       47     TOTAL RATE BASE     287,787     30,278     319,539     0     31						-	294,398
44 GAIN ON SALE OF BUILDING     -     -       45 OTHER     (249)     1,474     1,225       46 WORKING CAPITAL     15,664     (864)     14,800     1       47 TOTAL RATE BASE     287,787     30,278     319,539     0     31				,2			9,116
46 WORKING CAPITAL     15,664     (864)     14,800     1       47 TOTAL RATE BASE     287,787     30,278     319,539     0     31	44	GAIN ON SALE OF BUILDING	-	-	-		-
47 TOTAL RATE BASE 287,787 30,278 319,539 0 31							1,225
							14,800
48 RATE OF RETURN 8.15% 6.15%				30,278		0	319,539
	48	RATE OF RETURN	8.15%		6.15%		7.76%

#### **AVISTA UTILITIES**

## CALCULATION OF <u>REQUESTED</u> GENERAL REVENUE REQUIREMENT WASHINGTON NATURAL GAS TWELVE MONTHS ENDED DECEMBER 31, 2016

		N	Лау 1, 2018		
Line			(000's of		
No.	Description		Dollars)		
1	Pro Forma Rate Base	\$	319,539		
2	Proposed Rate of Return		7.76%		
3	Net Operating Income Requirement		\$24,796		
4	Pro Forma Net Operating Income	\$	19,664		
5	Net Operating Income Deficiency		\$5,132		
6	Conversion Factor		0.620645		
7	Revenue Requirement - 2016		\$8,269		
8	Total Base Distribution Revenues*	\$	88,831		
9	Percentage Base Distribution Revenue Increase	_	9.31%		
10	Total Present Billed Revenue	\$	152,089		
11	Percentage Billed Revenue Increase		5.44%		
* Line 8 "	Total General Business Revenues" includes special contract transportation	n revent	ies.		
	K-Factor Rate Adjustment for Rate Years 2 & 3 (5/1/2	2019 &	5/1/2020)		
12	K-Factor %			per Exh. EMA-	8, pg 6.
13	<b>Delivery Related Revenues 5/1/2018</b> (\$82,493 + \$8,269 = \$90,762)	<u>\$</u>	90,762 ncremental	Incremental	Incremental
		1.	Revenue	% (Base)	% (Billed)
14	Rate Year 2: 5/1/2019 - 4/30/2020	\$	4,220	4.35%	2.63%
15	<b>Delivery Related Revenues 5/1/2019</b> (\$90,762 + \$4,220 = \$94,982)	\$	94,982		
16	Rate Year 3: 5/1/2020 - 4/30/2021	\$	4,417	4.36%	2.68%
	* Current Delivery Related Revenues per Exh. EMA-8, pg 6 5/1/2018 Proposed Revenue Increase from line 7	\$	82,493 \$8,269		

(Natural Gas)

Exh. EMA-7

AVISTA UTILITIES PROPOSED COST OF CAPITAL WASHINGTON NATURAL GAS

Proposed Capital St	tructure*		
Component	Capital Structure	Cost	Weighted Cost
Total Debt	50.0%	5.62%	2.81%
Common Equity	50.0%	9.90%	4.95%
Total	100.00%	_	7.76%
		_	

<sup>\*</sup> Based on rate year estimated capital structure and cost of debt.

Exh. EMA-7

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

Line No.	Description	Factor
1	Revenues	1.000000
	Expense:	
2	Uncollectibles	0.004827
3	Commission Fees	0.002000
4	Washington Excise Tax	0.038334
6	Total Expense	0.045161
7	Net Operating Income Before FIT	0.954839
8	Federal Income Tax @ 35%	0.334194
9	REVENUE CONVERSION FACTOR	0.620645

AVISTA UTILITIES
WASHINGTON NATURAL GAS
TWELVE MONTHS ENDED DECEMBER 31, 2016
(000'S OF DOLLARS)

ACTUAL
RESUTLS RESTATEMENT ADJUSTMENTS

Adjustment Number   1.00   1.01   1.02   1.03   2.01   2.02   2.03	Line No.	DESCRIPTION	Per Results Report	Deferred FIT Rate Base	Deferred Debits and Credits	Working Capital	Eliminate B & O Taxes	Restate Property Tax	Uncollectible Expense	Regulatory Expense	Injuries & Damages	FIT / DFIT Expense
REVENUES   1	1101					1.03			2.03	2.04	2.05	2.06
1 Total General Business		Workpaper Reference	G-ROO	G-DFIT	G-DDC	G-WC	G-EBO	G-RPT	G-UE	G-RE	G-ID	G-FIT
1 Total General Business		REVENUES										
Total Transportation	1		\$ 146,098	\$ -	\$ -	\$ -	\$ (5,097)	\$ -	\$ -	\$ -	\$ -	\$ -
3 Other Revenues				-	-			-	-	-	-	-
EXPENSES   Production Expenses				-	=	-	-	-	=	-	-	-
Production Expenses   112,005	4			-	-	-	(5,215)	-	-	-	-	
Production Expenses   112,005												
5   City Gate Punchases		EXPENSES										
Purchased Gas Expense												
Net Nat Gas Storage Trans		City Gate Purchases	112,605	-	-	-	-	-	-	-	-	-
Total Production				-	-	-	-	-	-	-	-	-
Underground Storage 9 Operating Expenses 974 10 Depreciation / Amortization 492 11 Taxes 210		E		-	-	-	-	-	-	-	-	
9 Operating Expenses 974	8	Total Production	116,525	-	-	-	-	-	=	-	-	-
9 Operating Expenses 974												
Depreciation Amorization   492			074									
Takes				-	-	-	=	-	=	-	-	-
Distribution				-	=	-	-	-	-	-	-	-
Distribution   12,049					_	-		-			-	
13   Operating Expenses   12,049	12	rotat onderground storage	1,0/6	-	-	-	-	-	-	=	-	-
13   Operating Expenses   12,049		Distribution										
Depreciation/Amortization   9,866	13		12.049	_	_	_	_	_	_	_	_	_
Taxes				_	_	_	-		_	_	_	•
Total Distribution				-	-	-	(5.100)		-	-	-	-
17   Customer Accounting				-	-				-	-		
18   Customer Service & Information   7,595	16	Total Distribution	34,722	-	-	-	(5,183)	375	-	-	-	-
18   Customer Service & Information   7,595												
Administrative & General  Administrative & General  20		-		-	2	-	=		(590)	=	=	-
Administrative & General  Operating Expenses			7,595	-	-	-	-	-	-	-	-	-
Depreciation/Amortization	19	Sales Expenses	-	-	-	-	-	-	-	-	-	-
Depreciation/Amortization												
Pepreciation/Amortization   6,260   -   -   -   -   -   -   -   -   -	•											
Part				-	=	-	-	-	=	(3)	76	-
Taxes			6,260	-	-	-	-	-	-	-	-	-
Total Admin. & General   20,023   -   -   -   -   -   -   -   -   -			=-									
Total Gas Expense			20.022	-	=	-	=		=	- (2)	- 76	
The color of the	24	Total Admin. & General	20,023					-		(3)	76	-
FEDERAL INCOME TAX 27 Current Accrual (841) - (1) - (11) (131) 207 28 Debt Interest - 3 - 8	25	Total Gas Expense	187,893	-	2	-	(5,183)	375	(590)	(3)	76	
FEDERAL INCOME TAX 27 Current Accrual (841) - (1) - (11) (131) 207 28 Debt Interest - 3 - 8												
Current Accrual   (841)	26	OPERATING INCOME BEFORE FIT	32,523	-	(2)	) -	(32)	(375)	590	3	(76)	-
Current Accrual   (841)												
Debt Interest												
29   Deferred FIT   9,923   -   -   -   -   -   -   -   -     -			(841)	-	(1)		(11)	(131)	207	1	(27)	-
NET OPERATING INCOME   \$ 23,458 \$ (3) \$ (1) \$ (8) \$ (21) \$ (244) \$ 384					=		-	-	-	-	-	
NET OPERATING INCOME   \$ 23,458 \$ (3) \$ (1) \$ (8) \$ (21) \$ (244) \$ 384				-	=	-	-	-	-	-	-	-
RATE BASE PLANT IN SERVICE  32 Underground Storage \$ 26,868 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	30	Amort ITC	(17)				=		=	-		
RATE BASE PLANT IN SERVICE  32 Underground Storage \$ 26,868 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	21	NET ODED ATING INCOME	\$ 22.459	\$ (2)	¢ (1)	. ¢ (0)	\$ (21)	\$ (244)	¢ 29.1	\$ 2	\$ (49)	\$ -
PLANT IN SERVICE	31	NET OFERATING INCOME	\$ 23,436	\$ (3)	\$ (1)	) \$ (6)	\$ (21)	\$ (244)	3 364	φ <u>2</u>	\$ (47)	<u> </u>
32   Underground Storage   \$ 26,868 \$ - \$   \$   \$   \$   \$   \$   \$   \$   \$												
33   Distribution Plant   390,508   -   -   -   -   -   -   -   -   -												
Separal Plant   Separal Plant   Separal Plant   Separal Plant in Service   Separal Plant   Separal Plant After DFIT   Separal Plant P				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Start   Plant in Service   S00,000   South   Service   ACCUMULATED DEPRECIATION/AMORT   Substitution   Plant   Substitution   Plant   Substitution   Plant   Substitution   Plant   Substitution   Plant   Substitution   Substitutio				-	-	-	-	-	-	-	-	-
ACCUMULATED DEPRECIATION/AMORT  36 Underground Storage (10,317)	34	General Plant	82,624	-	Ξ	-	=	-	=	=	-	
ACCUMULATED DEPRECIATION/AMORT  36 Underground Storage (10,317)	35	Total Plant in Service	500,000	-	=	-	-	-	-	-	-	_
36   Underground Storage   (10,317)   -   -   -   -   -   -   -   -   -												
37   Distribution Plant   (129,098)   -   -   -   -   -   -   -   -   -	36		(10.317)									
38   General Plant   (23,473)   -   -   -   -   -   -   -   -   -				-	-	-	-	-	-	-	-	-
Total Accumulated Depreciation/Amortization   (162,888)				_	-	_	_	-	_	_	_	
40         NET PLANT         337,112         -					_			_	_	-	-	
41         DEFERRED TAXES         (73,856)         (325)         - </td <td></td>												
42 Net Plant After DFTT 263,256 (325)				(325)								
43 GAS INVENTORY 9,116	41						-	-	-	-		
44 GAIN ON SALE OF BUILDING				(325)	-	-		-	-	-	-	-
45 OTHER (249) -			9,116	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-
46 WORKING CAPITAL 15,664 (864)					-							
	46	WORKING CAPITAL	15,664	-	-	(864)	-	-	-	-	-	
47 TOTAL RATE BASE \$ 287,787 \$ (325) \$ - \$ (864) \$ - \$ - \$ -				\$ (325)	\$ -	\$ (864)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48 RATE OF RETURN 8.15%	48	RATE OF RETURN	8.15%	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·							
50 REVENUE REQUIREMENT -1,814 -35 2 -94 34 393 -618	50	REVENUE REQUIREMENT	-1,814	-35	2	2 -94	34	393	-618	-3	80	0
Pro Forma Rate of Return 7.76%		Pro Forma Rate of Return	7.76%									
Revenue Conversion Factor 0.620645		Revenue Conversion Factor	0.620645									

AVISTA UTILITIES
WASHINGTON NATURAL GAS
TWELVE MONTHS ENDED DECEMBER 31, 2016
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Line No.	DESCRIPTION	Office Space Charges to Subs	Restate Excise Taxes	Net Gains & Losses	Weather Normalization / Gas Cost Adjust	Eliminate Adder Schedules	Misc. Restating Non-Util / Non- Recurring Expenses	Project Compass Deferral	Restating Incentives	Restate Debt Interest	Restated TOTAL
	Adjsutment Number Workpaper Reference	2.07 G-OSC	2.08 G-RET	2.09 G-NGL	2.10 G-WNGC	2.11 G-EAS	2.12 G-MR	2.13 G-CD	2.14 G-RI	2.15 G-DI	R-Ttl
	REVENUES	G-03C	G-KEI	G-NGL	G-WNGC	G-EAS	G-MK	G-CD	G-KI	G-DI	K-1u
1	Total General Business	\$ -	\$ -	\$ -	\$ 11,209	\$ (1,240)	\$ -	\$ -	\$ -	\$ -	\$ 150,970
2	Total Transportation	-	-	-	,	- (-,,	-	-	-	-	4,477
3	Other Revenues		-	-	(5,427)	(63,276)	=	-	-	-	1,020
4	Total Gas Revenues	-	-	-	5,782	(64,516)	-	-	-	-	156,467
	EXPENSES										
5	Production Expenses City Gate Purchases				5,274	(54,419)					63,460
6	Purchased Gas Expense	_	-	-	5,274	(34,419)	-	-	_	-	994
7	Net Nat Gas Storage Trans	-	-	-	-	(2,932)	=	-	-	-	
8	Total Production	=	=	=	5,280	(57,351)	-	-	Ξ	-	64,454
	Underground Storage										
9	Operating Expenses	-	-	-	-	-	-	-	-	-	974
10 11	Depreciation/Amortization Taxes	=	-	-	=	-	=	-	-	-	492 210
12	Total Underground Storage	-	-	-	-	-	-	-	-	-	1,676
	Distribution										
13	Operating Expenses	-	-	-	-	-	1	-	-	-	12,050
14	Depreciation/Amortization	-	-	(13)	-	-	-	-	=	-	9,853
15	Taxes		2	-	430	(48)	-	=	-	-	8,383
16	Total Distribution	-	2	(13)	430	(48)	1	-	-	-	30,286
17	Customer Accounting	_	_	_	54	(6)	_	_	_	_	6,812
18	Customer Service & Information	-	_	_	-	(6,632)	-	_	_	_	963
19	Sales Expenses	-	-	-	-	-	-	-	-	-	-
	Administrative & General										-
20	Operating Expenses	(9)	-	-	22	(2)	(316)	-	(181)	-	13,350
21	Depreciation/Amortization	=	-	-			=	1.070	-	-	6,260
22 23	Regulatory Amortizations Taxes	_	_	_	=	-	-	1,079	-	_	1,079
24	Total Admin. & General	(9)	-	=	22	(2)	(316)	1,079	(181)	-	20,689
25	Total Gas Expense	(9)	2	(13)	5,786	(64,039)	(315)	1,079	(181)	-	124,880
26	OPERATING INCOME BEFORE FIT	9	(2)	13	(4)	(477)	315	(1,079)	181	-	31,587
	FEDERAL INCOME TAX										
27	Current Accrual	3	(1)	5	(1)	(167)	110	(378)	63	(91)	
28 29	Debt Interest Deferred FIT	=	-	-	=	-	=	-	-		12 9,923
30	Amort ITC		_		-	-	-	-	-	-	9,923
21	NET OPEN ATTING BAGOLAS		0 (1)	Φ 0		A (210)	A 205	e (701)	ė 110		A 22.020
31	NET OPERATING INCOME	\$ 6	\$ (1)	\$ 8	\$ (3)	\$ (310)	\$ 205	\$ (701)	\$ 118	\$ 91	\$ 22,929
	RATE BASE PLANT IN SERVICE										
32	Underground Storage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$</b> -	<b>s</b> -	\$ -	\$ 26,868
33	Distribution Plant	-	-	-	-	-	-	•		-	390,508
34	General Plant		-	-	-	-	=	-	-	-	82,624
35	Total Plant in Service	-	-	-	-	-	-	-	-	-	500,000
36	ACCUMULATED DEPRECIATION/AMORT Underground Storage										(10,317)
37	Distribution Plant	-	_	-	-	-	-	_	-	_	(129,098)
38	General Plant	-	-	-	-	-	-	-	-	-	(23,473
39	Total Accumulated Depreciation/Amortization	_	-	-	-	-	-	-	-	-	(162,888)
40	NET PLANT	=	-	=	-	-	-	-	-	-	337,112
41	DEFERRED TAXES		-	-	-	-		-	-	-	(74,181)
42	Net Plant After DFIT	-	-	-	-	-	-	-	-	-	262,931
43	GAS INVENTORY	-	-	-	-	-	-	-	=	-	9,116
44 45	GAIN ON SALE OF BUILDING OTHER	=	-	-	=	-	=	-	-	-	(249
46	WORKING CAPITAL		-	-	-		-	-	-	-	14,800
	TOTAL RATE BASE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>s</b> -	\$ -	<b>s</b> -	\$ 286,598
47											
<b>47</b> 48	RATE OF RETURN										(1)

Pro Forma Rate of Return Revenue Conversion Factor (1) The Restated TOTAL column does not represent 12/31/2016 Test Period Commission Basis results of operation on a normalized basis (CBR basis). Difference exists due to inclusion of proposed cost of debt (pro forma versus CBR cost of debt) impacting Adjustment 2.15 above

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#### PRO FORMA ADJUSTMENTS

Line No.	DESCRIPTION	Pro Forma Atmospheric Testing & Leak Survey	Pro Forma Labor Non-Exec	Pro Forma Labor Exec	Pro Forma Employee Benefits	Pro Forma Incentive Adjustment	Pro Forma Property Tax	Pro Forma IS/IT Expense	Pro Forma Revenue Normalization
-	Adjsutment Number Workpaper Reference	3.01 G-PAT	3.02 G-PLN	3.03 G-PLE	3.04 G-PEB	3.05 G-PI	3.06 G-PPT	3.07 G-PIS	3.08 G-PREV
	REVENUES								
1	Total General Business	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (66,671)
2	Total Transportation	-	-	-	-	-	-	-	56
3	Other Revenues		-	=	-	-	-	-	(776)
4	Total Gas Revenues	-	=	=	≘	=	Ē	=	(67,391)
	EXPENSES Production Expenses								
5	City Gate Purchases	_	_	_	-	_	-	_	(63,460)
6	Purchased Gas Expense	-	31	-	(6)	-	-	-	-
7	Net Nat Gas Storage Trans	-	-	-	-	-	-	-	-
8	Total Production	-	31	-	(6)	-	-	-	(63,460)
9	Underground Storage								
10	Operating Expenses Depreciation/Amortization	-	-	-	-	-	-	-	-
11	Taxes	-	-	_	-	-	37	-	-
12	Total Underground Storage	-	-	-	-	=	37	-	-
	Distribution								
13	Operating Expenses	348	371		(76)	-	-	-	-
14	Depreciation/Amortization	-	-	-	-	-	-	-	-
15	Taxes	-	=	=	-	=	439	=	(2,554)
16	Total Distribution	348	371	-	(76)	-	439	-	(2,554)
17	Customer Accounting	=	203	=	(41)	-			(322)
18 19	Customer Service & Information Sales Expenses	-	18	-	(4)	- -	-	-	-
	Administrative & General								
20	Operating Expenses	=	251	(10)	(49)	34	=	201	(133)
21	Depreciation/Amortization	=	-	-	-		-	-	=
22	Regulatory Amortizations					-			-
23 24	Taxes Total Admin. & General		251	(10)	(49)	34	-	201	(133)
25	Total Gas Expense	348	874	(10)	(176)	34	476	201	(66,469)
26	OPERATING INCOME BEFORE FIT	(348)	(874)	10	176	(34)	(476)	(201)	(922)
	FEDERAL INCOME TAX								
27	Current Accrual	(122)	(306)	4	62	(12)	(167)	(70)	(323)
28 29	Debt Interest Deferred FIT	-	-	-	=	-	-	-	-
30	Amort ITC		-	-	-	-	-	-	-
31	NET OPERATING INCOME	\$ (226)	\$ (568)	\$ 7	\$ 114	\$ (22)	\$ (309)	\$ (131)	\$ (599)
	RATE BASE PLANT IN SERVICE								
32	Underground Storage	\$ -	<b>s</b> -	\$ -	\$ -	<b>s</b> -	\$ -	\$ -	\$ -
33	Distribution Plant	Ψ -	φ -	Ψ -	Ψ -	Ψ -	Ψ -	Ψ	Ψ -
34	General Plant		-	-	-	-	-		
35	Total Plant in Service	-	-	-	-	-	-	-	-
36	ACCUMULATED DEPRECIATION/AMORT Underground Storage								
37	Distribution Plant	=	-	-	-	-	=	=	=
38	General Plant	-	-	-	-	-	-		-
39	Total Accumulated Depreciation/Amortization		Ξ	-	-	-	-	-	-
40 41	NET PLANT DEFERRED TAXES	-	-	-	-	-	-	-	-
42	Net Plant After DFIT								
43	GAS INVENTORY	-	-	-	-	-	-	-	-
44	GAIN ON SALE OF BUILDING					=	-	-	-
45 46	OTHER WORKING CAPITAL								
	WORKING CAPITAL					<u> </u>	<u> </u>	<u> </u>	<u>-</u>
<b>47</b> 48	TOTAL RATE BASE RATE OF RETURN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50	REVENUE REQUIREMENT	364	915	-10	-184	36	499	211	966

Pro Forma Rate of Return Revenue Conversion Factor

AVISTA UTILITIES
WASHINGTON NATURAL GAS
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(000'S OF DOLLARS)

Line No.	DESCRIPTION	Pro Forma Regulatory Amortization	Pro Forma 2017 Threshhold Capital Adds	Pro Forma O&M Offsets	Director Fees Expense	Pro Forma LEAP Deferra Gas Line Ext.		EOP 2017 Capital Net Plant Adj	EOP Pro Forma Total
	Adjsutment Number Workpaper Reference	3.09 G-PRA	3.10 G-PCAP16	3.11 G-POFF	3.12 G-PDF	3.13 G-PLEAP	PF-STtl	3.14 G-EOPCAP17	
	REVENUES								
1	Total General Business	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 84,299		\$ 84,299
2	Total Transportation	=	=	=	=	=	4,533		4,533
3	Other Revenues		-	-	-	-	244		244
4	Total Gas Revenues	-	=	=	=	=	89,076		89,076
	EXPENSES Production Expenses								
5	City Gate Purchases	-	-	-	-	-	-		
6	Purchased Gas Expense	-	-	-	-	-	1,019	-	1,019
7	Net Nat Gas Storage Trans		-	-	-	-	-	-	
8	Total Production	-	-	-	-	-	1,019	-	1,019
9	Underground Storage						974		974
10	Operating Expenses Depreciation/Amortization	-	-	-	-	-	492		529
11	Taxes	_	-	-	_	_	247		247
12	Total Underground Storage	=	-	-	-	-	1,713		1,750
	Distribution								
13	Operating Expenses	-	-	-	-	-	12,693	-	12,693
14	Depreciation/Amortization	-	366	-	_	-	10,219	725	10,944
15	Taxes		-	-	-	-	6,268		6,268
16	Total Distribution	-	366	-	-	-	29,180	725	29,905
17	Customer Accounting	-	-	-		-	6,652	-	6,652
18	Customer Service & Information	-	-	-	-	-	977	-	977
19	Sales Expenses	-	-	-	-	-	-	-	-
20	Administrative & General			(22)	. 100		12.520		12 720
20 21	Operating Expenses Depreciation/Amortization	-	1,217	(32)	108	-	13,720 7,477		13,720 8,403
22	Regulatory Amortizations	(1,079)		-	-	584	584		584
23	Taxes	<u>-</u>	-	=	-	_	-	-	-
24	Total Admin. & General	(1,079)	1,217	(32)		584	21,781		22,707
25	Total Gas Expense	(1,079)	1,583	(32)	) 108	584	61,322	1,688	63,010
26	OPERATING INCOME BEFORE FIT	1,079	(1,583)	32	(108)	(584)	27,754	(1,688)	26,066
	FEDERAL INCOME TAX								
27	Current Accrual	378	(554)		(38)				
28 29	Debt Interest Deferred FIT	=	(175)	-	-	(15)	(178 9,923		(312 9,923
30	Amort ITC		- -	-	-	=	9,923		9,923
31	NET OPERATING INCOME	\$ 701	\$ (853)	\$ 21	\$ (70)	\$ (365)	\$ 20,627	\$ (963)	\$ 19,664
	RATE BASE		+ (655)		+ (1.0)	4 (655)		Ţ (x 32)	7 22,000
	PLANT IN SERVICE								
32	Underground Storage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,868		
33	Distribution Plant	=	14,510	=		=	405,018		434,954
34	General Plant Total Plant in Comica		8,260	=		=	90,884		98,113
35	Total Plant in Service ACCUMULATED DEPRECIATION/AMORT	=	22,770	-	-	-	522,770	38,514	561,284
36	Underground Storage	=	=	-	=	-	(10,317	(655)	(10,972
37	Distribution Plant	-	(163)	-		-	(129,261	(12,080)	(141,341
38	General Plant		(624)			-	(24,097		
39	Total Accumulated Depreciation/Amortization		(787)		-	-	(163,675		
40 41	NET PLANT DEFERRED TAXES	=	21,983 (4,142)	-	=	=	359,095 (78,323		379,895 (85,497
42	Net Plant After DFIT	-	17,841	-	-	=	280,772		294,398
43	GAS INVENTORY		-		-		9,116		9,116
44	GAIN ON SALE OF BUILDING				-		-		
45 46	OTHER WORKING CAPITAL				-	1,474	1,225 14,800		1,225 14,800
		•	¢ 17.041	¢	•	¢ 1474			
<b>47</b> 48	TOTAL RATE BASE RATE OF RETURN	<del>-</del>	\$ 17,841	\$ -	\$ -	\$ 1,474	\$ 305,913	\$ 13,626	\$ 319,539
50	REVENUE REQUIREMENT	-1,130	3,606	-34	113	773	5,013	3,256	8,269

Pro Forma Rate of Return

Revenue Conversion Factor

## Exh. EMA-7 – Natural Gas End of Period Rate Base Study

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#### Q. Please explain the purpose of the natural gas EOP Rate Base Study.

3 The Company's natural gas End-of-Period (EOP) Rate Base Study is the A. 4 basis of the Company's requested natural gas rate relief in this case for Rate Year 1 5 beginning May 1, 2018. The EOP Rate Base Study starts with the results of the Traditional 6 Pro Forma Study (discussed in Exh. EMA-1T and EMA-6), adjusted to EOP 2017 rate 7 base, and utilizing an adjusted capital structure<sup>1</sup>. For Rate Years 2 and 3, an annual "K-8 Factor" revenue escalator is applied to non-gas cost revenues to determine the Year 2 and 9 Year 3 proposed rate changes. The results of the natural gas EOP Rate Base Study for Rate 10 Year 1 is \$8,269,000. Results for Rate Years 2 and 3 for natural gas are approximately \$4,220,000 and \$4,417,000, respectively.<sup>2/3</sup> 11

The narrative that follows explains the natural gas EOP Rate Base Study and its results. The Company has also provided workpapers, both in hard copy and electronic formats, which include additional details related to the natural gas EOP Rate Base Study and adjustments discussed in this exhibit.

#### Q. Please explain what is shown on pages 1-4 of Exh. EMA-7.

A. Exh. EMA-7, page 1, shows actual and rate year natural gas operating results and rate base for the State of Washington. Column (b) of page 1 of Exh. EMA-7 shows twelve-months ending December 31, 2016 actual operating results and components

<sup>&</sup>lt;sup>1</sup> The proposed capital structure in the EOP Rate Base Study has been adjusted to exclude short-term debt from the calculation. All other aspects of the calculation are the same as that presented in prior cases.

<sup>&</sup>lt;sup>2</sup> Rate Years 2 and 3 use a K-Factor revenue escalator of 4.65% for natural gas applied to non-gas cost revenues, covering investment - related costs and operating expenses. The calculation of the K-Factor used in Years 2 and 3 is discussed in Exh. EMA-1T.

<sup>&</sup>lt;sup>3</sup> Revenue increases for Rate Years 2 and 3 are proposed to be implemented through Schedule 96 (electric) and 196 (natural gas), as discussed by Company witness Mr. Ehrbar.

of the average-of-monthly-average (AMA) rate base as recorded; Column (c) is the total of all adjustments to net operating income and rate base to reflect the May 1, 2018 to April 30, 2019 rate year results; and column (d) is the rate year adjusted results of operations, all under existing rates. Column (e) shows the revenue increase required to allow the Company to earn a 7.76% rate of return for the rate year beginning May 1, 2018. Column (f) reflects total rate year natural gas operating results with the requested increase of \$8,269,000.

Page 2 of Exh. EMA-3 shows, at line 7, the calculation of the electric Pro Forma

level revenue requirement of \$8,269,000, or 9.31% base increase (5.44% on a billed basis).

Also Shown on page 2, at lines 12-16, are the proposed incremental rate adjustments for Rate Year 2 (effective May 1, 2019) and Rate Year 3 (effective May 1, 2020). As shown on line 12, the incremental Rate Year 2 and 3 revenue increases are based on the Company's proposed "K-Factor" revenue escalator of 4.65% applied to non-gas cost revenues. Non-gas cost revenues represent revenues covering investment - related costs and operating expenses. The result of applying a 4.65% revenue escalator to non-gas cost revenues as of April 30, 2019<sup>4</sup> for Rate Year 2 is an incremental revenue requirement of \$4,220,000, or 2.63% on a billed basis. The result of applying a 4.65% revenue escalator to non-gas cost revenues as of April 30, 2020<sup>5</sup> for Rate Year 3 is an incremental revenue requirement of \$4,417,000, or 2.68% on a billed basis.

<sup>&</sup>lt;sup>4</sup> As shown on page 2, non-gas cost revenues as of April 30, 2019 include current authorized base non-gas cost revenues of \$82.5 million, plus the proposed Rate Year 1 base increase of \$8.3 million, totaling \$90.8 million in non-gas cost revenues at May 1, 2019.

<sup>&</sup>lt;sup>5</sup> As shown on page 2, non-gas cost revenues as of April 30, 2020 include base non-gas cost revenues as of May 1, 2019 of \$90.8 million (see footnote 4), plus the proposed Rate Year 2 increase of \$4.2 million, totaling \$95.0 million in non-gas cost revenues at May 1, 2020.

Page 3 of Exh. EMA-3, shows the <u>proposed</u> Cost of Capital and Capital Structure
requested by the Company, including: 1) 50% Common Equity / 50% Debt capital structure
(excludes short-term debt); 2) Return on Equity of 9.9%; and 3) cost of debt of 5.62%,
resulting in an overall Rate of Return (weighted average cost of capital) of 7.76%.
Company witness Mr. Thies discusses the Company's rate of return and the capital
structure proposed by the Company, while Company witness Mr. McKenzie provides
additional testimony related to the appropriate return on equity for Avista.

Page 4 shows the derivation of the natural gas net-operating-income-to-gross-revenue conversion factor. The conversion factor takes into account uncollectible accounts receivable, Commission fees and Washington State excise taxes. Federal income taxes are reflected at 35%.

# Q. Now turning to pages 5 through 8 of Exh. EMA-7, please explain what is included on those pages?

A. Page 5 begins with actual operating results and rate base for the twelve-months-ending December 31, 2016 test period on an AMA basis in column (1.00). Individual normalizing and restating adjustments that are standard components of our annual reporting to the Commission begin in column (1.01) on page 4 and continue through column (2.15) on page 6. Individual Pro Forma adjustments are shown on pages 7 and 8 in columns (3.01) though (3.13).

The next column on page 8, labeled "Pro Forma Sub-Total" is the subtotal of the previous columns (1.00) through (3.13), and produces the <u>Traditional Pro Forma Study</u> net operating income (NOI) and total rate base amounts (includes impact of adjusted capital structure discussed above). The result of this column shows the sub-total of the Pro Forma

- 1 revenue requirement per the EOP Rate Base Study is \$5,013,000.6 This amount is prior to
- 2 the 2017 EOP rate base adjustment discussed below.
- 3 Explanations for each Restating and Pro Forma adjustment are explained within the
- 4 Traditional Pro Forma Study Exh. EMA-6. As these adjustments are the same between the
- 5 EOP Rate Base and Traditional Pro Forma Studies, these descriptions will not be repeated
- 6 here. However, I do describe below where there are differences in rate base adjusted
- 7 restating and pro forma adjustments caused by the impact on restate debt interest. Changes
- 8 in the tax benefit of debt interest on rate based items are due to the use of the proposed
- 9 adjusted capital structure of 50% equity / 50% debt. This varies from the 48.5% equity /
- 10 51.5% debt included in the Traditional Pro Forma Study, resulting in an increase in both
- the tax benefit of debt interest expense and resulting revenue requirement.
- 12 Q. Please explain what is provided on the last page of Exh. EMA-7, page
- 13 **8.**
- 14 A. The last columns on page 8 includes the following columns, which will be
- 15 discussed further below:
- (3.14) EOP 2017 Net Rate Base;
- (PF-Ttl) "EOP Pro Forma Total."
- 18 Each of these columns are described in the section that follows.

<sup>&</sup>lt;sup>6</sup> The EOP Rate Base Study Pro Forma Total of \$5.013 million varies from this same column in the Traditional Pro Forma Study (totaling \$4.531 million); a difference of \$0.482 million. This result is the incremental revenue requirement impact of applying a 50% equity /50% debt capital structure within the EOP Rate Base Studies, versus the 48.5% equity /51.5% debt capital structure used within the Traditional Pro Forma Studies.

#### Restating and Pro Forma Adjustments Impacted by Adjusted Capital Structure

Q. Please explain the restating and pro forma adjustments impacted by the change in capital structure used within the EOP Study.

A. As discussed above, the Company has proposed an adjusted capital structure, excluding short-term debt, resulting in a 50% equity /50% debt capital structure. The use of 50% equity/50% debt capital structure results in differences in revised tax expense, related to the tax benefit of interest on rate base adjusted items, between the natural gas EOP Rate Base Study (see page 3 of Exh. EMA-7) and that previously provided in the natural gas Traditional Pro Forma Study (see page 2 of Exh. EMA-6). The adjustments impacted by this change are described below.

Adjustment (1.03) **Working Capital** restates the working capital balance reflected in the Company's Results of Operations column (1.00), to the adjusted working capital balance. The Company uses the Investor Supplied Working Capital (ISWC) methodology to calculate the amount of working capital reflected in its actual results of operations. The federal income tax effect of the level of interest on the change in rate base increases current taxes \$8,000. The net effect of this adjustment decreases net rate base by \$864,000 and decreases net operating income by \$8,000.

Adjustment (2.15) **Restate Debt Interest** restates debt interest using the Company's pro forma weighted average cost of debt included in the EOP Rate Base Study of 2.81%, on the Results of Operations level of rate base shown in column (1.00) only, resulting in a revised level of tax deductible interest expense on actual test period rate base.

<sup>7</sup> Per the Traditional Pro Forma Study adjustment (1.03), Working Capital, the federal income tax effect of the restate level of interest on the change in rate base increases current taxes \$9,000. The net effect of this adjustment reduces total rate base by \$864,000 and decreases net operating income by \$9,000.

The federal income tax effect of the restated level of interest for the test period reduces current taxes \$91,000, increasing net operating income by \$91,000.8

Adjustment (3.10) **Pro Forma 2017 Threshold Capital Additions** reflects increases related to certain 2017 capital additions, together with associated A/D and ADFIT. This adjustment also includes associated depreciation expense for these 2017 additions. As sponsored and discussed by Company witness Ms. Schuh, based on Commission Order 05, the Company identified electric and natural Pro Forma capital projects that met the threshold of one-half of one percent of the Company's rate base (i.e., above \$6.9 million for electric and \$1.3 million for natural gas). 9/10 The federal income tax effect of the benefit of restate debt interest decreases current taxes \$175,000. The effect of this adjustment increases rate base by \$17,841,000 and decreases net operating income by \$853,000. 11

All remaining restating and pro forma adjustments affecting rate base, which were included in both the EOP Rate Base and the Traditional Pro Forma Studies, were not material enough to revise the restate debt interest current tax expense. Therefore, these remaining adjustments were identical between the two studies.

<sup>&</sup>lt;sup>8</sup> The Traditional Pro Forma Study includes an equity layer of 48.5%, causing the pro forma weighted average cost of debt to equal 2.89%. For adjustment (2.15), per the Traditional Pro Forma Study adjustment, the federal income tax effect of the restated level of interest for the test period reduces current taxes \$171,000, increasing net operating income by \$171,000.

<sup>&</sup>lt;sup>9</sup> Order 05, Docket Nos. UE-150204 and G-150205 (Consolidated), paragraph 39 and 40.

<sup>&</sup>lt;sup>10</sup> The remaining planned capital projects for 2017, as well as adjusting total plant and associated A/D and ADFIT on a 2016 AMA basis, are discussed below in Pro Forma Adjustment (3.15).

<sup>&</sup>lt;sup>11</sup> Per the Traditional Pro Forma Study adjustment (3.10), Pro Forma 2017 Threshold Capital Additions, the federal income tax effect of the benefit of restate debt interest decreases current taxes \$180,000. The effect of this adjustment increases rate base by \$17,841,000 and decreases net operating income by \$848,000.

#### Additional EOP Rate Base Study Adjustment and Total Column

Q. Returning to page 8 of Exh. EMA-7, please explain the remaining columns.

A. The last <u>adjustment</u> column, column (3.14) <u>EOP 2017 Net Rate Base</u>, <u>starts</u> with the Traditional Pro Forma Study net plant after ADFIT results and adjusts total net plant after ADFIT, including all 2017 remaining capital additions, to a 2017 EOP basis. Specifically, Avista reviewed the planned capital projects that were below the 0.5 percent threshold for 2017 (i.e., those not included in the Traditional Pro Forma Study adjustment 3.10 Pro Forma 2017 "Threshold Capital Additions" discussed in Exh. EMA-6). These additions were included in the EOP Rate Base Studies for 2017, together with the associated A/D and ADFIT on a 2017 EOP basis, as well as annual depreciation expense.<sup>12</sup> The associated ADFIT includes the repairs deduction and bonus tax depreciation expected through 2017 on an EOP basis. In addition, the plant-in-service for 2016 AMA was adjusted to a 2017 EOP basis. The effect of this adjustment increases rate base by \$13,626,000 and decreases net operating income by \$963,000.

The final column on page 8, **EOP Pro Forma Total**, provides the total EOP Rate Base Study revenue requirement results of \$8,269,000. This represents the overall revenue

<sup>&</sup>lt;sup>12</sup> The Company reviewed large capital additions in 2017 to determine any offsets (e.g., reduced O&M costs, reduced load losses, etc.). Maintenance records were reviewed to determine whether any specific maintenance costs were incurred in the test year that would be reduced or eliminated by the investment. Those costs were quantified and included as a reduction to O&M expenses in adjustment (3.11) Pro Forma O&M Savings included in Exh. EMA-6 and Exh. EMA-7.

<sup>&</sup>lt;sup>13</sup> The IRS extended bonus depreciation through 2019. The Company has included bonus depreciation through 2019 within its capital adjustments.

1 requirement shortfall per the natural gas EOP Rate Base Study<sup>14</sup>, as previously shown on

2 page 2 of Exh. EM-6.

<sup>&</sup>lt;sup>14</sup> As noted in Exh. EMA-1T, the results of the Traditional Pro Forma Study will not yield the electric and natural gas revenue increases necessary for the prospective rate year. The Traditional Pro Forma Studies alone do not provide sufficient rate relief; thereby warranting the use or inclusion of other "tools" available to this Commission. Approval of other "tools," such as that proposed by Avista including EOP 2017 rate base and an adjusted capital structure, would allow the Company an opportunity to earn its authorized rate of return. The EOP Rate Base Studies represent the Company's requested rate relief in this proceeding.