000s of Dollars								
		Req. Incr Ra (Dec)	te Base Incr / (Dec)					
Revenue Requirement As Filed by Avista	\$	8,557 \$	217,824					
Cost of Debt		(23)	-					
State Effective Tax Rate		(41)	-					
Uncollectibles		(7)	-					
Working Cash		(116)	(1,090)					
State Taxes		(1,353)	-					
Depreciation		(278)	112					
D&O Insurance		(52)	-					
Various A&G Expenses		(31)	-					
Wages & Salaries		(65)	-					
Property Tax		(69)	-					
Prepaid Pension Asset		(605)	(5,655)					
Other Revenues - Miscellaneous Revenue		(34)	-					
Load Forecasting		867	-					
Cost Allocations		(9)	-					
Summary Total of Adjustments to Revenue Requirement (1)		(1,816)	(6,633)					
Adjusted Revenue Requirement and Rate Base: (1)	\$	6,741 \$	211,191					
(1) Per Partial Settlement Stipulation filed on November 6, 2015								

SUMMARY OF ADJUSTMENTS TO REVENUE REQUIREMENT AND RATE BASE AS AGREED TO BY PARTIES IN PARTIAL SETTLEMENT STIPULATION

SUMMARY OF ADJUSTED LITIGATION POSITION REVENUE REQUIREMENT 000s of Dollars									
	Avista Rev. Req. Incr / (Dec)		Req. Rev. Req.		NWIGU / CUB Rev. Req. Incr / (Dec)		Re	CUB v. Req. r / (Dec)	
Revenue Requirement As Filed by Avista	\$	8,557	\$	8,557	\$	8,557	\$	8,557	
Agreed Upon Adjustments: (1)		(1,816)		(1,816)		(1,816)		(1,816)	
Adjusted Revenue Requirement (1)		6,741		6,741		6,741		6,741	
<u>Revised /</u> Contested Adjustments									
A. Return on Equity and Capital Structure		-		(1,541)		(1,400)		(1,400)	
B. Information Technology Related to Project Compass		-		(132)		-		-	
C. Plant Investment		-		(3,194)		-		(218)	
D. Wage & Salaries - Bonus & Incentives		-		(329)		-		-	
E. Medical Benefits		-		(181)		-		-	
F. Pension Expense		-		(361)		(340)		(340)	
G. Post Retirement Medical Expenses		-		(25)		-		-	
H. Bonus Depreciation		(294) (3	<u>)</u>	-		(667) (2)	(667) (2)	
Total of <u>Revised /</u> Contested Adjustments		(294)		(5,763)		(2,407)		(2,625)	
Adjusted Litigation Position Revenue Requirements	<u>\$</u>	6,447	\$	978	\$	4,334	\$	4,116	

(1) Per Partial Settlement Stipulation filed on November 6, 2015

(2) Mr. Gorman's total proposal related to state income tax (SIT) and bonus depreciation was \$2.02 million (SIT of \$1.22 million and \$.8 million Bonus Depreciation). The \$667,000 reflects the difference between the \$2.02 million and the agreed-upon SIT adjustment in the Stipulation of \$1.353.

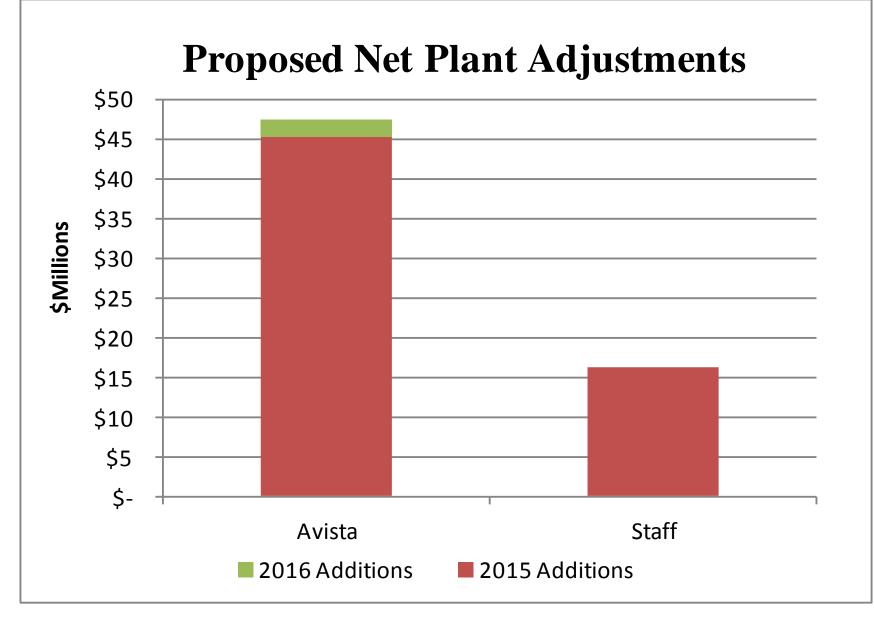
(3) Mr. Gorman's total proposal related to state income tax (SIT) and bonus depreciation was \$2.02 million (SIT of \$1.22 million and \$.8 million Bonus Depreciation). The Company's revised litigation position reflects the tax benefit in 2015 related to the third- and fourth-quarter bonus tax depreciation benefit, and the incremental tax benefit of the Repairs Deduction for 2015, resulted in tax payments being approximately 53% lower than they otherwise would have been. The \$294,000 reflects the difference between the revenue requirements of \$1.647 (SIT of \$1.22 million and \$.427 million Bonus Depreciation) million and the agreed-upon SIT adjustment in the Stipulation of \$1.353.

SUMMARY OF ADJUSTED LITIGATION POSITION REVENUE REQUIREMENT 000s of Dollars									
	Avista Rev. Req. Incr / (Dec)		Req. Rev. Req.		NWIGU / CUB Rev. Req. Incr / (Dec)		Re	CUB ev. Req. r / (Dec)	
Revenue Requirement As Filed by Avista	\$	8,557	\$	8,557	\$	8,557	\$	8,557	
Agreed Upon Adjustments: (1)		(1,816)		(1,816)		(1,816)		(1,816)	
Adjusted Revenue Requirement (1)		6,741		6,741		6,741		6,741	
<u>Revised /</u> Contested Adjustments									
A. Return on Equity and Capital Structure		-		(1,541)		(1,400)		(1,400)	
B. Information Technology Related to Project Compass		-		(132)		-		-	
C. Plant Investment		-		(3,194)		-		(218)	
D. Wage & Salaries - Bonus & Incentives		-		(329)		-		-	
E. Medical Benefits		-		(181)		-		-	
F. Pension Expense		-		(361)		(340)		(340)	
G. Post Retirement Medical Expenses		-		(25)		-		-	
H. Bonus Depreciation		<u>(675)</u> <u>(3</u>)	-		(667) (2)	(667) (2)	
Total of <u>Revised /</u> Contested Adjustments		(675)		(5,763)		(2,407)		(2,625)	
Adjusted Litigation Position Revenue Requirements	\$	6,066	\$	978	\$	4,334	\$	4,116	

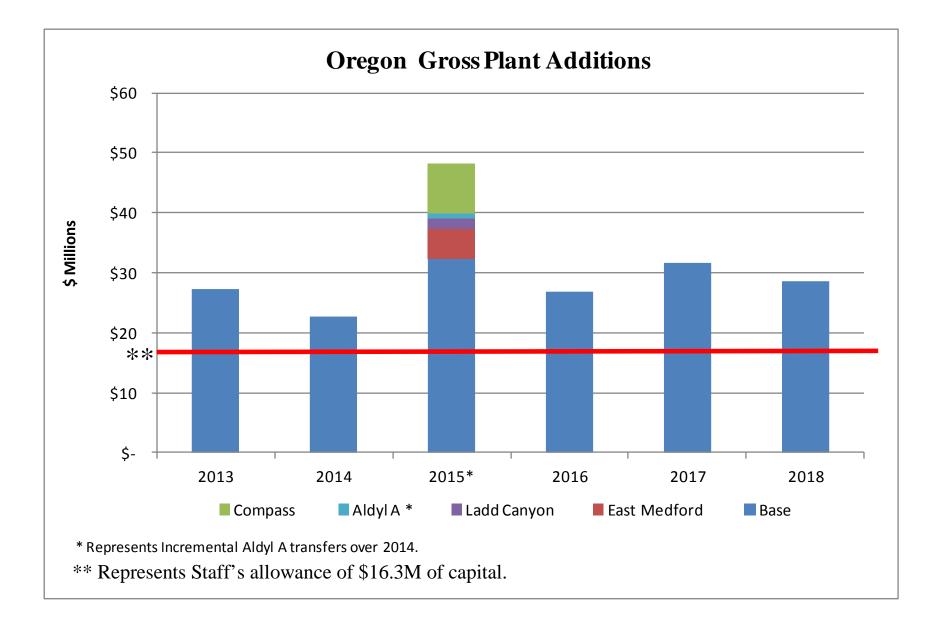
(1) Per Partial Settlement Stipulation filed on November 6, 2015

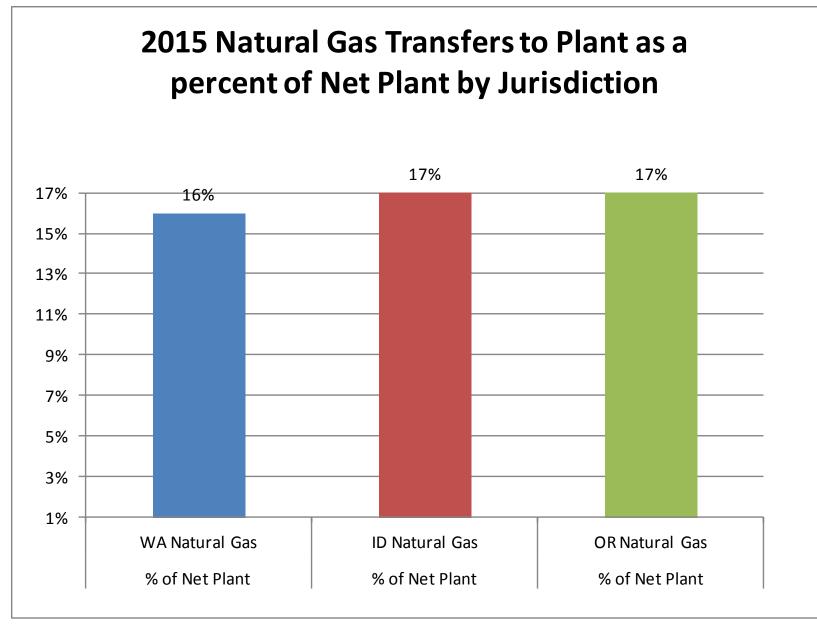
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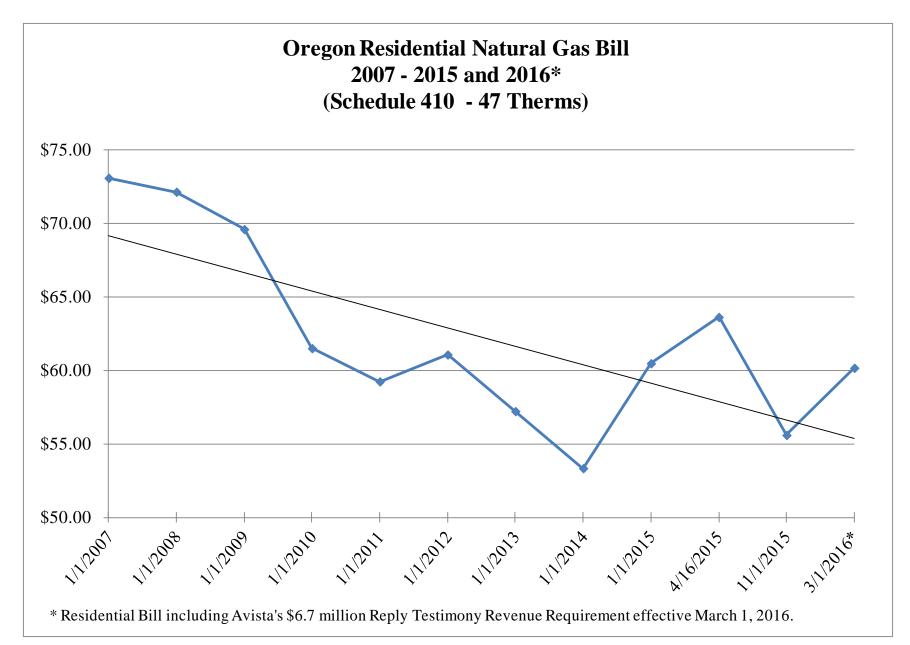


Source: AVISTA/1400, Schuh/9





Source: AVISTA/1400, Schuh/15



Source: AVISTA/1400, Schuh/6

Table No. 1 – Capital Investment and Capital Requests (in Millions)

	Total	Funded	Unfunded
Year	Requests	Requests	Requests
2011	\$291	\$230	\$61
2012	\$269	\$250	\$19
2013	\$320	\$266	\$54
2014	\$386	\$331	\$55

Appendix A (Page 1 of 5) Staff/600 Moore/15

Docket No. UG 288

	Moore/1										
1	Q. What is Staff's adjustment and how did you arrive at it?										
2	A. Staff recommends removing approximately \$30 million from the Company's										
3	capital additions. This adjustment is in addition to the specific adjustment for										
4	Project Compass recommended by Ms. Johnson, who recommends a \$1.3										
5	million reduction.										
6	Staff arrives at this adjustment of \$30 million by setting a target for growth of										
7	net utility plant of 7.75 percent, which equates to a rate base addition of										
8											
	approximately \$16.4 million. This results in a \$31.3 million overall reduction in										
9	capital projects. From this amount, I subtract the \$1.3 million adjustment to										
10	Project Compass made by Ms. Johnson in Staff/300. This leaves a \$30 million										
11	adjustment to the overall capital budget.										
	Capital addition adjustment										
	7.75% Historical RB growth										
	\$210,751,974 2014 Net Utility Plant										
	\$47,658,000 UG 288 Avista Capital forecast										
	(\$16,333,278) 2014 net plant * 7.75%										
	(\$31,324,722) Total Staff Adjustment										
	(\$1,300,000) Project Compass Adjustment - J. Johnson										
12	(\$30,024,722) Net Staff Adjustment - M. Moore										
13											
14	Please refer to Exhibit Staff/606 Excel workpapers for the details of my										
15	recommended adjustment.										
16	Q. Does this conclude your testimony?										
17	A. Yes.										

Appendix A (Page 2 of 5)

UG 288 Exhibit 606 MOORE Workpapers

Page 4

Avista UG 288 Test Year Ending December 31, 2016 000's of Dollars

Staff adjustments for programmatic capital projects reflect an allowance for the yearly averages of spending in 2010-2014. Adjustments for certain discrete projects such as website redevelopment, and campus restructuring reflect staff questions regarding the prudence of the cost, as well as the extent of benefit to customers. In the Company's 2014 IRP, approved in February of 2015, indicates the East Medford Reinforcement project is not immediately needed, and is slated to come on line in 2018.

Growth distribution projects were disallowed absent a showing of need. The IRP indicates relatively flat demand for the next few years, and forecast data in the response to DR 193 shows a decrease in the number of customers from 2013-2015.

	Company Filing		St		Adjustment						
	<u> </u>	Total		OR-	Total		OR-	Total		OR-	
Description/ Account No.	0	Company	A	llocated	Company	AB	ocated	Company	A	liocated	
Utility Plant - 101											
2277 SCADA Upgrade		\$1,020		89			0		\$	(89)	
5005- Tech Refresh	s	21,379	S	1,860		\$	-		\$	(1,860)	
5006- Tech Expansion	\$	7,431	\$	647		\$			\$	(647)	
5010-Enterprise Bus. Continuity	\$	649	S	56		\$	-		\$	(56)	
5014-Enterprise Security Sys	\$	5,400	\$	470		\$	157		\$	(313)	
5106- Next Gen Radio	\$	4,200	\$	365		\$	- 10 M		\$	(365)	
5121- Microwave 2 Fiber Repl	s	2,755	s	240		s	1.0		\$	(240)	
5138- Project Compass	\$	95,386	\$	8,300					\$	- [a]	
5143-Website redev	\$	7,038	\$	612		\$	-		\$	(612)	
5144 - Mobility in Field	s	420	\$	37		S			S	(37)	
7000-Transport Equip	\$	7,834	\$	959		\$			\$	(959)	
7001-Structures & Imp	\$	3,400	\$	296		\$			\$	(296)	
7003-Office Furniture	S	1,200	\$	104		\$			\$	(104)	
7005-Stores Equip	\$	648	\$	56		\$	1		\$	(56)	
7101-COF HVAC	s	10,979	\$	955		S			\$	(955)	
7126-LT Campus Re-struc	s	5,000	\$	435		\$			\$	(435)	
7131-LT Campus Re-struc PHII	\$	2,000	\$	174		\$			\$	(174)	
7200-Craft training	\$	121	\$	11		\$	3		\$	(8)	
Total									\$	(7,117)	
1001-Gas Revenue Growth	\$	13,545	\$	3,846		\$	500		\$	(3,346)	
1050-Gas meters Growth	s	1,880	S	658		S	85		S	(573)	
1051-Gas regulators growth	\$	330	\$ s	52		\$	7		\$	(45)	
1053-Gas ERT growth		\$678		237		\$ \$	31		\$ 5	(206)	
3000-Gas Reinforce-minor	s s		SS			s S	701		9 6	(761)	
3001-Repl deteriorated system	\$	1,000	s	1,000		\$	260		\$ 53	(299)	
3002-Regulator reliability 3003-Gas Repl-Street&Hwy	s	4.827	s	3.477		9 53	1.500		9 5	(127)	
3005-Gas distr. Non-revenue	ŝ	6.002	s	3,602		ş	1,500		3	(1,977) (3,602)	
	s	900	ŝ	828		5			5		
3006-Overbuilt pipe repl 3007-Isolated steel	ŝ	3,450	s	850		5	200		s	(828)	
3008-Aldyl-A pipe repl.	ŝ	18,317	ŝ	6,298		9	5.164		s	(650)	
3203-E Medford reinforcemnt	s	5,000	\$ 53	5,000		Þ	5,164		5	(5,000)	
3303-Ladd Canyon Gate upg	ŝ	1,650	s.	1.650		S	93		ŝ	(1,557)	
3307-Bonanza Gate move	ŝ	600	9 6	600		ŝ	80		ŝ	(600)	
Jackson Prairie storage	ŝ	1,356	s	131		ŝ			ş	(131)	
Total	\$	1,000	\$	101		\$	-		ŝ	(20,836)	
TOTAL									٩	(20,030)	
Distribution Capital - 2016											
1001-Gas Revenue Growth			S	1,720		\$			s	(1,720)	
1050-Gas meters Growth			ŝ	154		ŝ			ŝ	(154)	
1051-Gas regulators growth			s	11		s			s	(11)	
1053-Gas ERT growth			s	165		s			s	(165)	
Total			*	.00		*	-		š	(2,050)	
										(-,-,-)	
TOTAL Adjustment									\$	(30,003)	
									-		

Appendix A (Page 3 of 5)

Page 4

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UG 288 Exhibit 606 MOORE Workpapers

Avista UG 288 Test Year Ending December 31, 2016

000's of Dollars

Staff adjustments for programmatic capital projects reflect an allowance for the yearly averages of spending in 2010-2014. Adjustments for certain discrete projects such as website redevelopment, and campus restructuring reflect staff questions regarding the prudence of the cost, as well as the extent of benefit to customers. In the Company's 2014 IRP, approved in February of 2015, indicates the East Medford Reinforcement project is not immediately needed, and is slated to come on line in 2018.

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			Compa	ny F	iling	St	aff		Adjus	tmen	it
		-	Total		OR-	Total		OR-	Total		OR-
	Description/ Account No.	C	ompany	A	llocated	Company	All	ocated	Company	AI	located
	Utility Plant - 101	_		_							
	2277 SCADA Upgrade		\$1,020		89			0		\$	(89)
	5005- Tech Refresh	\$	21,379	\$	1,860		\$	-		\$	(1,860)
	5006- Tech Expansion	\$	7,431	\$	647		\$	-		\$	(647)
	5010-Enterprise Bus. Continuity	\$	649	\$	56		\$			\$	(56)
	5014-Enterprise Security Sys	\$	5,400	\$	470		\$	157		\$	(313)
	5106- Next Gen Radio	\$	4,200	\$	365		\$			\$	(365)
	5121- Microwave 2 Fiber Repl	\$	2,755	\$	240		\$			\$	(240)
	5138- Project Compass	\$	95,386	\$	8,300					\$	-
-	5143-Website redev	\$	7,038	\$	612		\$			\$	(612)
	5144 - Mobility in Field	\$	420	\$	37		\$	-		\$	(37)
1	7000-Transport Equip	\$	7,834	\$	959		\$	-		\$	(959)
7	7001-Structures & Imp	\$	3,400	\$	296		\$	-		\$	(296)
	7003-Office Furniture	\$	1,200	\$	104		\$			\$	(104)
1	7005-Stores Equip	\$	648	\$	56		\$	-		\$	(56)
	7101-COF HVAC	\$	10,979	\$	955		\$	•		\$	(955)
	7126-LT Campus Re-struc	\$	5,000	\$	435		\$			\$	(435)
	7131-LT Campus Re-struc PHII	\$	2,000	\$	174		\$			\$	(174)
	7200-Craft training	\$	121	\$	11		\$	3		\$	(8)
	Total									\$	(7,117)
	1001-Gas Revenue Growth	s	13,545	\$	3,846		\$	500		\$	(3,346)
	1050-Gas meters Growth	s	1.880	S	658		\$	85		\$	(573)
	1051-Gas regulators growth	\$	330	S	52		\$	7		\$	(45)
	1053-Gas ERT growth		\$678	\$	237		\$	31		\$	(206)
	3000-Gas Reinforce-minor	\$	1,481	S	761		\$			\$	(761)
	3001-Repl deteriorated system	\$	1,000	\$	1.000		\$	701		\$	(299)
	3002-Regulator reliability	S	947	\$	387		\$	260		\$	(127)
	3003-Gas Repl-Street&Hwy	\$	4.827	\$	3.477		\$	1,500		\$	(1,977)
	3005-Gas distr. Non-revenue	\$	6.002	\$	3,602		\$			\$	(3,602)
	3006-Overbuilt pipe repl	S	900	\$	828		s			\$	(828)
	3007-Isolated steel	s	3,450	s	850		ŝ	200		\$	(650)
	3008-Aldyl-A pipe repl.	S	18.317	S	6.298		S	5.164		\$	(1,134)
-	3203-E Medford reinforcemnt	\$	5,000	\$	5,000		-	0		ŝ	(5,000)
	3303-Ladd Canyon Gate upg	s	1.650	\$	1,650		s	93		\$	(1,557)
	3307-Bonanza Gate move	s	600	\$	600		s	-		ŝ	(600)
5	Jackson Prairie storage	S	1,356	S	131		ŝ			\$	(131)
2	Total	-	1,000				-				(20,836)
	Distribution Capital - 2016										
	1001-Gas Revenue Growth			\$	1,720		\$	-		\$	(1,720)
	1050-Gas meters Growth			\$	154		\$			\$	(154)
	1051-Gas regulators growth			\$	11		\$	-		\$	(11)
	1053-Gas ERT growth			\$	165		\$	-		\$	(165)
	Total									\$	(2,050)
	TOTAL Adjustment									\$	(30,003)

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UG 288 Exhibit 606 MOORE Workpapers

Avista UG 288 Test Year Ending December 31, 2016 000's of Dollars

Staff adjustments for programmatic capital projects <u>reflect</u> an allowance for the <u>yearly averages</u> of spending in 2010-2014. Adjustments for certain discrete projects such as <u>website redevelopment</u> and <u>campus restructuring</u> reflect staff questions regarding the prudence of the cost, as well as the extent of benefit to customers. In the Company's 2014 IRP, approved in February of 2015, indicates the East Medford Reinforcement project is not immediately needed, and is slated to come on line in 2018.

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		Compa	ny F	iling	St	aff		Adjus	stme	nt
	-	Total		OR-	Total		OR-	Total		OR-
Description/ Account No.	С	ompany	A	llocated	Company	A	located	Company	Α	llocated
Utility Plant - 101										
2277 SCADA Upgrade	:	\$1,020		89			0		\$	(89
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5144 - Mobility in Field	\$	420	\$	37		\$			\$	(3)
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7001-Structures & Imp	\$	3,400	ŝ	296		ŝ			\$	(296
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7126-LT Campus Re-struc	\$	5,000	\$	435		\$			s	(435
7131-LT Campus Re-struc PHII	ŝ	2,000	ŝ	174		ŝ			\$	(174
7200-Craft training	S	121	ŝ	11		s	3		\$	(8
Total	÷	14.1	÷			Ŷ	5		ŝ	(7,117
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3006Overbuilt pipe repl	\$	900	\$	828		\$	-		\$	(828
3007-Isolated steel	\$	3,450	\$	850		\$	200		\$	(650
3008-Aldyl-A pipe repl.	\$	18,317	\$	6,298		\$	5,164		\$	(1,134
3203-E Medford reinforcemnt	\$	5,000	\$	5,000			0		\$	(5,000
3303-Ladd Canyon Gate upg	\$	1,650	\$	1,650		\$	93		\$	(1,557
3307-Bonanza Gate move	\$	600	\$	600		\$	-		\$	(600
Jackson Prairie storage	\$	1,356	\$	131		\$	2		\$	(131
Total									\$	(20,836
Distribution Capital - 2016										
1001-Gas Revenue Growth			\$	1,720		\$	-		\$	(1,720
1050-Gas meters Growth			\$	154		\$	-		\$	(154
1051-Gas regulators growth			\$	11		\$	2		\$	(11
1053-Gas ERT growth			\$	165		\$			\$	(165
Total									\$	(2,050

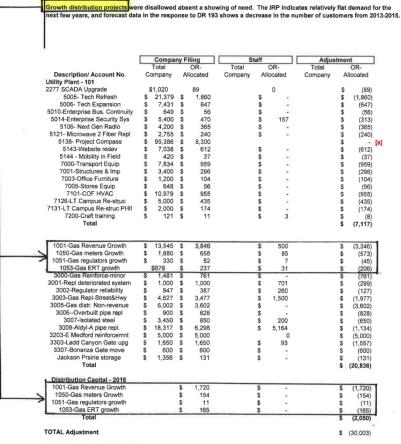
[a] J. Johnson doing adjustment

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UG 288 Exhibit 606 MOORE Workpapers

Avista UG 288 Test Year Ending December 31, 2016 000's of Dollars

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[a] J. Johnson doing adjustment

Avista/1401

Investment Name:	Jackson Prairie	Storage	Washington and strength	1					
Requested Amount	\$1,000,000	유민이는 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이		Assessments:			NT AND AND AND A		
Duration/Timeframe	20+	Year Program		Financial:	High - Exceed				
Dept, Area:	Natural Gas Reso	ources		Strategic: Operational:	Reliability & Ca	apacity		weat lawate	
Owner: Sponsor:	Steve Harper Jason Thackston			Business Risk:	ERM Reductio	uire execution to	perform at cur	Tent levels	
Category:	Program		and the second	Program Risk:	High certainty	around cost, sche	dule and reso	urces	
Mandate/Reg. Reference:	n/a	美洲市民省 省省。	and a burning	Assessment Score:	116	Annual Cos	t Summary - In	crease/(Decrease)	
Recommend Program Desc					Performance	Capital Cost	O&M Cos		
Jackson Prairie (JP) Underge partner with Puget Sound E partner for the facility whic share of the capital needed purpose of the facility is to potentially lower costs duri	nergy and Williams' h is located in Cheha to maintain the exis allow Avista to serve	Northwest Pipeline lis, WA. The reque ting facility and ma customers on a pe	Puget Sound I sted capital rep intain equal own tak day, and to p	Energy is the managing resents Avista's 1/3 nership status. The urchase natural gas at	describe any incremental changes that this Program would benefit present operations	\$ 1,000,000	\$	- \$	
								crease/(Decrease)	231
Alternatives:					Performance	Capital Cost	O&M Cos	the second s	
Status Quo :	Avista to fund its 1/ percentage. Voting	3 capital obligation rights would be do	would dilute Avenues and the	bligation. Failure by vista's ownership nerefore decisions mad Avista or its customers	n/a		Ş	- Ş ·	
Alternative 1: Brief name of alternative (if applicable)	approximately \$1,0 \$539,000 in 2014.	00,000 per year lo Capital needs vary	oking forward. Q year-to-year, bu	on. Estimated to be cost is estimated to be t relate to well, nd control facilities.	describe any incremental changes in operations	\$ 1,000,000	\$	- \$	
Alternative 2: Brief name of alternative (if applicable)	Not recommended obligation. Voting	 Fund a lesser an rights would be de 	ount than Avista minished and th		describe any incremental changes in operations	s -	\$	- \$	
Alternative 3 Name : Brief name of alternative (if applicable)	Describe other opti	ons that were cons	ldered		describe any incremental changes in operations	\$ -	\$	- S -	
Program Cash Flows					Associated Ers	list all applicable):			
2012-2016		(ER 7201			ion contentation	de. Altradation
Previous	Capital Cost	O&M Cost	Other Costs	Approved					
2012	\$ 630,000	\$ - \$ -	\$ -	\$ 630,000	S CONTRACTOR	Assessment of the second s			
2013			\$ -	\$ 550,000			The contraction sectors.		and the state of the second
2014	\$ 539,000	\$ -	\$ -	\$ 539,000					
2015			\$ -	\$ 1,356,300					
2016		\$ -	\$ - \$ -	\$ 1,175,000					
2017 2018		\$ - \$ -	\$ -	\$ 1,117,000 \$ 1,210,000					
2019		\$ -	\$ -	\$ 1,085,000					
	\$1,000,000/year	\$ -	\$ -	\$ -				2	
Total	\$ 5,719,000	\$ -	\$ -	\$ 7,662,300					
Mandate Excerpt (if applic provide brief citation of th Additional Justifications: While not a mandated proj	e law or regulation				e of JP is documen	nted and acknowled	ged as part of A	Avista's Integrated Res	ource Plan.
Resources Requirements: (request forms and a	oprovals attached)							
	Low Probability	Medium Probability	High Probability	Enterprise Tech: Facilities: Capital Tools: Fleet:	YES - attach form YES - attach form YES - attach form YES - attach form	✓ NO or Not Req ✓ NO or Not Req ✓ NO or Not Req ✓ NO or Not Req	uired in uired s uired r	Theck the appropriate bo nternal and contract labo hould be checked to ind esource owners have be ontacted and to provide	or boxes icate if the en
Key Performance Indicator Expected Performance Improven KPI Measure:		hrough use of JP st	orage	1			s	ontacted and to provide ense of how likely staff v provided (this does not re ommittment).	will be
	Fill in the name of t	he KPI here		1			Jacob		
	IP WA/ID Avolded Wi			Prepared	signature				

Page 1 of 2

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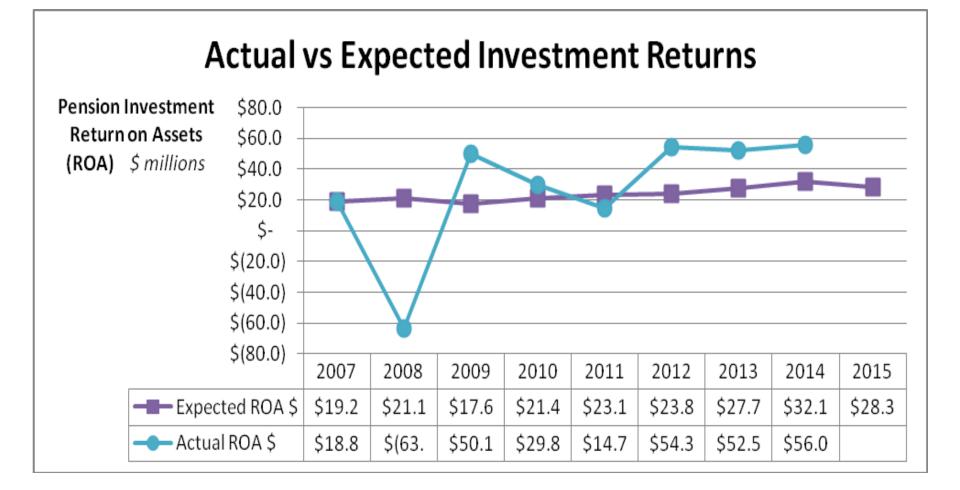
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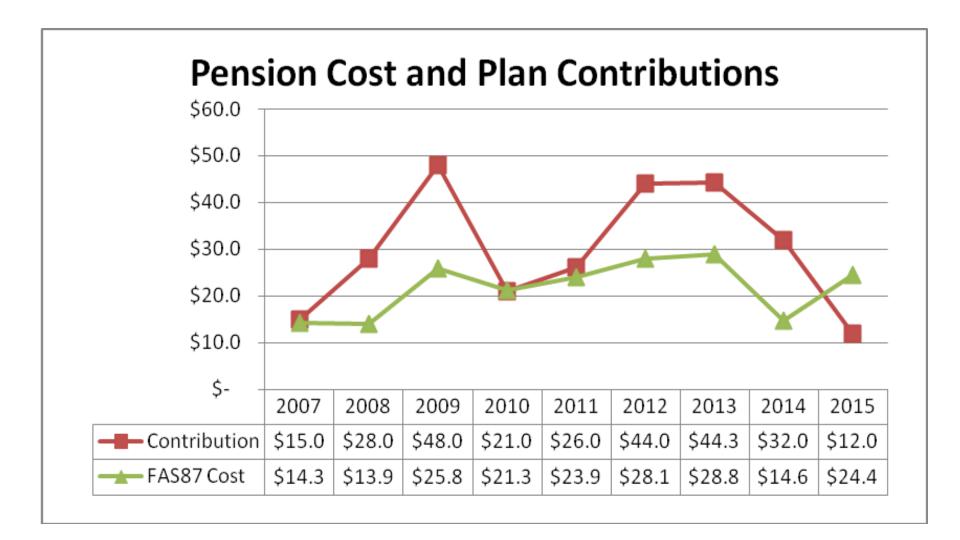
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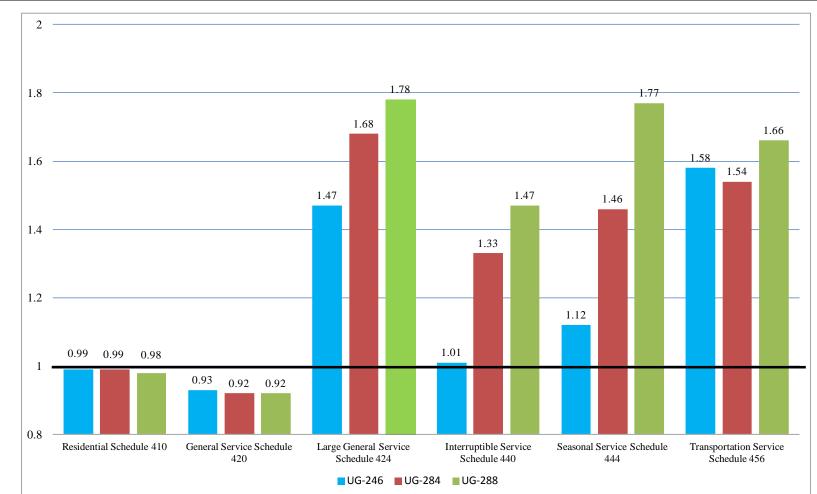


Illustration No. 1: Margin-to-Cost Ratios from Avista's Last Three General Rate Cases

Source: AVISTA/1800, Miller/4, lines 10-23

Table No. 1: Long Run Incremental Cost Study Results of the Parties

Customer Class	Rate Schedule	<u>Avista</u>	<u>Staff</u>	NWIGU	Staff/NWIGU
Residential	410	0.98	0.98	0.98	0.97
General Service	420	0.92	0.96	0.91	0.95
Large General Service	424	1.78	1.56	2.04	1.79
Interruptible Service	440	1.47	1.31	1.68	1.51
Seasonal Service	444	1.77	1.68	2.32	2.31
Special Contract	447	0.91	0.77	1.64	1.42
Transportation	456	<u>1.66</u>	<u>1.41</u>	<u>1.87</u>	<u>1.59</u>
Total		1.00	1.00	1.00	1.00

Table No. 3: Summary of Capital Transfers to Plant Included in this Docket:

	Investment	Percent						
Plant Category	<u>('000's)</u>	<u>of Total</u>						
Distribution Growth Plant	\$ 6,843	14%						
Distribution Plant *	25,452	53%						
General Plant/IT	7,712	16%						
<u>Compass</u>	8,300	<u>17%</u>						
Total	48,307	100%						
* Distribution Plant includes reinforcements, safety, pipe								

replacement, mandated work and storage

Forecasted Customer Growth Summary (2014 – 2016)

Customer Class	Rate Schedule	Customer Growth	Percent of Total
Residential	410	1488	93.4%
General Service	420	102	6.4%
Large General Service	424	3	0.2%
Interruptible Service	440	0	0.0%
Seasonal Service	444	0	0.0%
Special Contract	447	0	0.0%
Transportation	456	<u>0</u>	0.0%
Total		1593	100.0%

Present and Proposed Margin-to-Cost

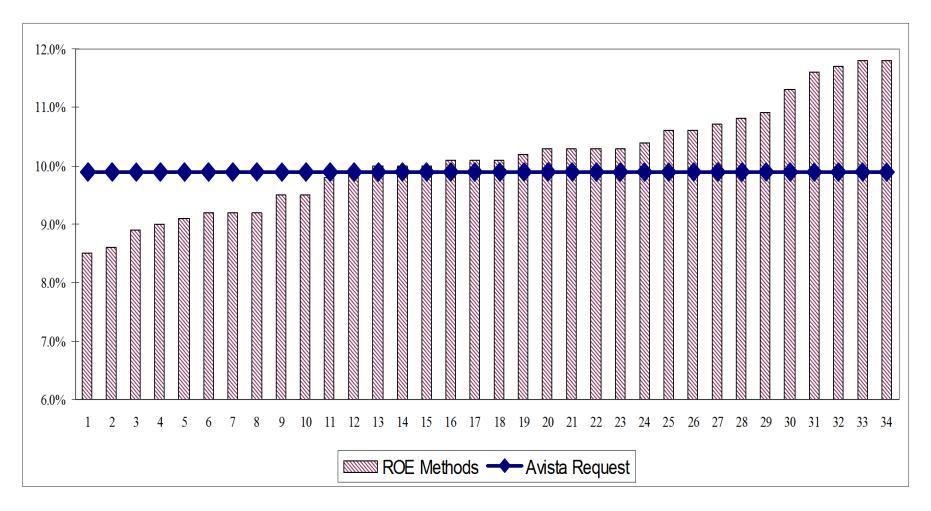
	Margin-to-Cost at	Margin-to-Cost at
	Present Rates	Proposed Rates
Residential Schedule 410	0.98	0.99
General Service Schedule 420	0.92	0.96
Large General Service Schedule 424	1.78	1.43
Interruptible Service Schedule 440	1.47	1.26
Seasonal Service Schedule 444	1.77	1.41
Transportation Service Schedule 456	1.66	1.33
Overall	1.00	1.00

Table No. 3: Margin-to-Cost Ratios from Avista's Last Three General Rate Cases

	UG-246	UG-284	UG-288
Rate Schedule	Margin-to-Cost	Margin-to-Cost	Margin-to-Cost
Residential Schedule 410	0.99	0.99	0.98
General Service Schedule 420	0.93	0.92	0.92
Large General Service Schedule 424	1.47	1.68	1.78
Interruptible Service Schedule 440	1.01	1.33	1.47
Seasonal Service Schedule 444	1.12	1.46	1.77
Transportation Service Schedule 456	1.58	1.54	1.66

	Reply Revenue	Revenue %	Revenue %
Rate Schedule	Request	Change (Margin)) Change (Revenue)
Residential Schedule 410	\$4,697	13.7%	7.2%
General Service Schedule 420	\$2,312	17.1%	7.6%
Large General Service Schedule 424	(\$46)	-7.0%	-1.3%
Interruptible Service Schedule 440	\$0	0.0%	0.0%
Seasonal Service Schedule 444	(\$3)	-7.0%	-1.5%
Transportation Service Schedule 456	(\$219)	-7.0%	-6.9%
Overall	\$6,741	12.9%	6.4%

RESULTS OF ANALYSES VS. AVISTA REQUEST

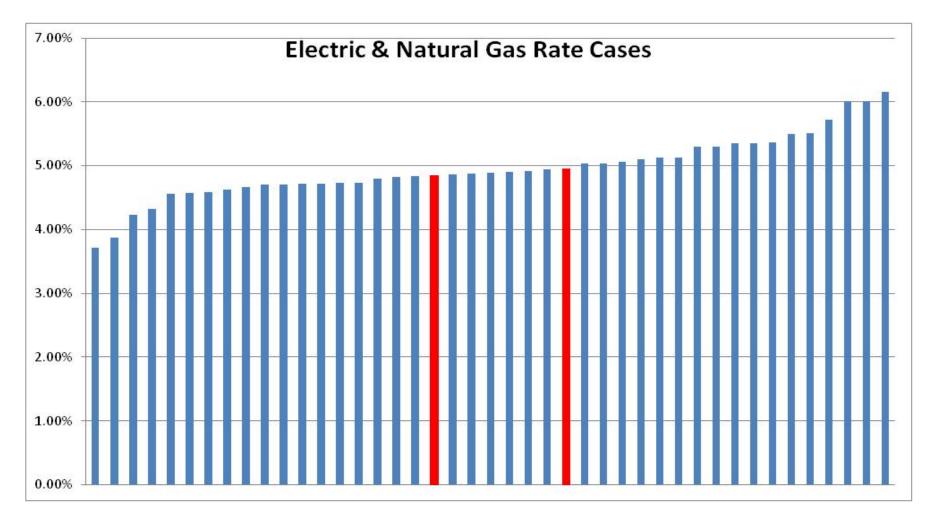


Source: AVISTA/300, McKenzie/6

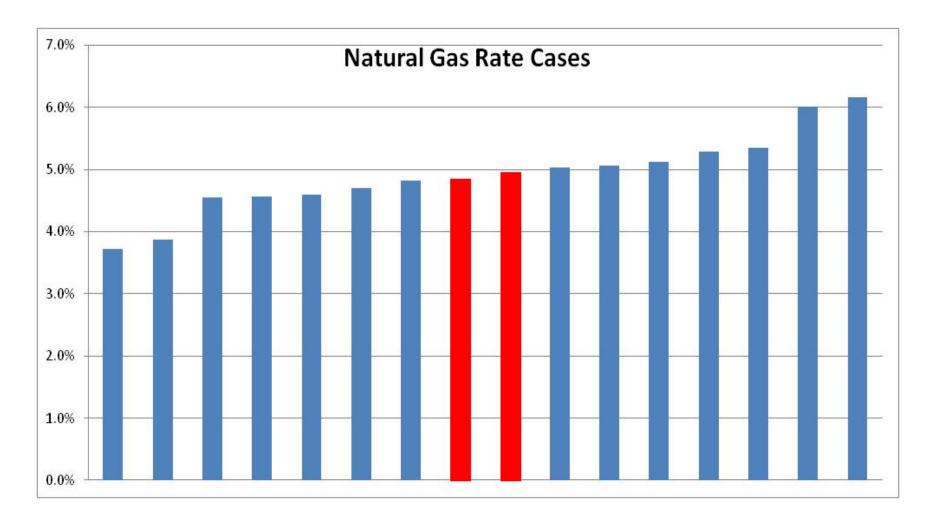
TABLE 1AUTHORIZED ROE - GAS UTILITIES

Average	9.73%
Q3 - 2015	<u>9.75%</u>
Q2 - 2015	9.43%
Q1 - 2015	9.47%
Q4 - 2014	10.28%

Weighted Cost of Equity: Electric and Natural Gas Rate Cases



Weighted Cost of Equity: Natural Gas Rate Cases



Oregon-Jurisdictional Utilities			Value Line					
	Issuer Ratings		Safety	Financial				
	S&P	Moody's	Rank	Strength	Beta			
Northwest Natural Gas	A+	A3	1	A	0.70			
Pacificorp	A-	A3	NMF	NMF	NMF			
Portland General Electric	BBB	A3	2	B++	0.80			
Average	A-	A3	2	B ++	0.75			
Avista Corp	BBB	Baa1	3	Α	0.80			

Oregon Jurisdictional Utilities										
Company	Case Identification	Date of Approval	Cost of	Common Equity Ratio						
Company	Identification	Approvar	Equity	Natio						
Avista Corp - Proposed	D-UG-288	Pending	9.90%	50.00%						
Cascade - Filed Settlement	D-UG-287	Pending	9.55%	51.00%						
Portland General Electric	D-UE-294	11/3/2015	9.60%	50.00%						
Portland General Electric	D-UE-283	12/4/2014	9.68%	50.00%						
PacifiCorp	D-UE-263	12/18/2013	9.80%	52.10%						

Avista Corp Actual Transfers to Plant: 2010-2014 (General Plant Capital Projects) Staff DR 188 Attachment C

System Balances

Sum of Current Activity Cost SUM			Year			1			OR		OR	Allocated Bal	lance	
Erval	Jurisdiction	Asset Service	2010	2011	2012	2013	2014	Grand Total	Allocation %	2010	2011	2012	2013	2014
2277	AA	CD			1,067,211	12	485,690	1,552,913	8.702%		-	92,869	1	42,265
		GD					189,753	189,753	30.918%	-	-	-		58,668
5005	AA	CD	6,245,256	8,906,528	7,252,015	10,829,014	12,157,847	45,390,661	8.702%	543,462	775,046	631,070	942,341	1,057,976
		GD					36,441	36,441	30.918%	-	-		-	11,267
5006	AA	CD	2,263,886	5,567,590	5,878,977	5,473,024	4,459,561	23,643,038	8.702%	197,003	484,492	511,589	476,263	388,071
		GD			336,971			336,971	30.918%	-	-	104,185		-
5010	AA	CD	39,891	153,347	539,440	259,795	266,087	1,258,559	8.702%	3,471	13,344	46,942	22,607	23,155
		GD					10,478	10,478	30.918%		-	-		3,240
5014	AA	CD				2,002,533	869,234	2,871,767	8.702%	-	-	-	174,260	75,641
	OR	GD			32,487	25,496		57,983	100.000%	-	-	32,487	25,496	-
5106	AA	CD	108,225	62	7,465,012	3,344,494	11,483,620	22,401,412	8.702%	9,418	5	649,605	291,038	999,305
5138	AA	CD				10,390,158	138,886	10,529,044	8.702%	-	-	-	904,152	12,086
		GD					123,107	123,107	30.918%	-	-	-	-	38,062
5143	AA	CD				48,281	301,867	350,148	8.702%		-	-	4,201	26,268
5144	AA	CD					319,525	319,525	8.702%	-	-	-	-	27,805
		GD					262,027	262,027	30.918%		-	-	-	81,014
7000	AA	CD	15,093	33,690			37,057	85,840	8.702%	1,313	2,932	-	-	3,225
	OR	GD	176,304	480,871	109,246	530,175	0	1,296,596	100.000%	176,304	480,871	109,246	530,175	0
7001	AA	CD	2,183,983	2,876,313	3,017,087	659,195	2,238,406	10,974,984	8.702%	190,050	250,297	262,547	57,363	194,786
	OR	CD					(483,555)	(483,555)	100.000%	-	-	-	-	(483,555)
		GD	154,132		94,354	139,763	172,288	560,536	100.000%	154,132		94,354	139,763	172,288
7003	AA	CD	434,858	488,437	549,006	788,838	92,159	2,353,298	8.702%	37,841	42,504	47,775	68,645	8,020
7006	AA	CD	1,524,316	1,165,627	1,722,726	329,327	524,187	5,266,183	8.702%	132,646	101,433	149,912	28,658	45,615
		GD	100,778	25,733	212,034	49,758	898,575	1,286,879	30.918%	31,159	7,956	65,557	15,384	277,821
	OR	GD			34,048			34,048	100.000%			34,048	-	
7101	AA	CD	5,080,239	5,169,309	3,861,466	6,411,556	4,947,204	25,469,774	8.702%	442,082	449,833	336,025	557,934	430,506
7126	AA	CD			54,062	10,111,250	982,481	11,147,792	8.702%	-		4,704	879,881	85,495
7200	AA	CD		105,165	12,664		36,949	154,778	8.702%	-	9,151	1,102	-	3,215
Grand Total			18,326,961	24,972,673	32,238,806	51,392,669	40,549,874	167,480,983		1,918,883	2,617,865	3,174,015	5,118,162	3,582,237

Avista Corp

Budgeted Transfers to Plant: 2010-2014 (Gas Distribution Capital Projects) Staff DR 189 Attachment C

Sum of Curre	ent Activity Cost SUN	Year							OR /	Allocation 9	6 IC]			OR	Allocated Ba	alance		
Erval A	sset Serv Jurisdiction	2010	2011	2012	2013	2014	Grand Total	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014	Total
1001 G	D AA	15,000,001	12,053,001	12,863,814	9,672,698	10,601,277	60,190,791	30.118%	29.425%	28.669%	32.935%	31.268%	4,517,700	3,546,596	3,687,927	3,185,703	3,314,807	18,252,733
1050 G	D AA	1,500,000	1,525,000	1,826,903	1,709,468	1,768,579	8,329,950	30.118%	29.425%	28.669%	32.935%	31.268%	451,770	448,731	523,755	563,013	552,999	2,540,269
1051 G	D AA	650,000	160,000	242,102	296,322	305,825	1,654,249	30.118%	29.425%	28.669%	32.935%	31.268%	195,767	47,080	69,408	97,594	95,625	505,474
1053 G	D AA	500,000	500,000	500,812	605,863	627,280	2,733,955	30.118%	29.425%	28.669%	32.935%	31.268%	150,590	147,125	143,578	199,541	196,138	836,972
3000 G	D AA	472,501	470,000	799,999	350,000	1,000,000	3,092,500	30.118%	29.425%	28.669%	32.935%	31.268%	142,308	138,298	229,352	115,273	312,680	937,910
3001 G	D AA	1,049,999	1,052,002	800,001	600,002	800,001	4,302,005	30.118%	29.425%	28.669%	32.935%	31.268%	316,239	309,552	229,352	197,611	250,144	1,302,898
3002 G	D AA	420,001	500,001	399,999	400,000	600,000	2,320,001	30.118%	29.425%	28.669%	32.935%	31.268%	126,496	147,125	114,676	131,740	187,608	707,645
3003 G	D AA	1,260,003	1,850,001	2,199,999	2,000,000	4,500,000	11,810,003	30.118%	29.425%	28.669%	32.935%	31.268%	379,488	544,363	630,718	658,700	1,407,060	3,620,328
3004 G	D AA	472,500	500,000	500,001	500,001	800,000	2,772,502	30.118%	29.425%	28.669%	32.935%	31.268%	142,308	147,125	143,345	164,675	250,144	847,597
3005 G	D AA	3,360,002	2,900,002	3,822,998	3,949,690	5,600,000	19,632,692	30.118%	29.425%	28.669%		31.268%	, ,	853,326	1,096,015	1,300,830	1,751,008	6,013,145
3006 G	D AA	440,000	440,000	499,999	900,000	900,000	3,179,999	30.118%	29.425%	28.669%	32.935%	31.268%	132,519	129,470	143,345	296,415	281,412	983,161
3007 G	D AA			1,095,000	2,348,333	2,598,333	6,041,666	30.118%	29.425%	28.669%	32.935%	31.268%	-	-	313,926	773,423	812,447	1,899,796
3008 G	D AA			5,000,000	8,250,000	16,452,196	29,702,196	30.118%	29.425%	28.669%	32.935%	31.268%		-	1,433,450	2,717,138	5,144,273	9,294,860
3055 G						1,000,000	1,000,000	30.118%	29.425%	28.669%		31.268%	-	-		-	312,680	312,680
3117 G	D AN	217,860	360,000	370,800	511,010	400,000	1,859,670	30.118%	29.425%	28.669%	32.935%	31.268%	65,615	105,930	106,305	168,301	125,072	571,223
3203 G	D OR	597,355		550,056	-		1,147,411	100%	100%	100%	100%	100%	597,355	~	550,056	~	-	1,147,411
7201 G	D AA		580,666	630,000	1,000,000	500,000	2,710,666	30.118%	29.425%	28.669%	32.935%	31.268%	-	170,861	180,615	329,350	156,340	837,166
	AN	429,000					429,000	0.000%	0.000%	0.000%	0.000%	0.000%	-	-	-	-	-	-
Grand Total		26,369,222	22,890,673	32,102,483	33,093,387	48,453,491	162,909,256						8,230,120	6,735,581	9,595,821	10,899,307	15,150,438	50,611,266

ROE ANALYSES

Schedule AMM-1 Page 1 of 2

SUMMARY OF RESULTS

	Gas (Group	<u>Combinati</u>	on Group
DCF	Average	Midpoint	Average	Midpoint
Value Line	10.3%	10.7%	10.0%	10.1%
IBES	9.5%	10.3%	9.1%	9.2%
Zacks	8.6%	8.9%	9.0%	9.2%
Internal br + sv	9.5%	10.3%	8.5%	9.2%
Empirical CAPM - Current Bond Yield				
Unadjusted	10.1%	10.0%	9.8%	9.9%
Size Adjusted	11.6%	11.7%	10.6%	10.6%
Empirical CAPM - Projected Bond Yield				
Unadjusted	10.4%	10.3%	10.0%	10.2%
Size Adjusted	11.8%	11.8%	10.9%	10.8%
Utility Risk Premium				
Current Bond Yields	10.	.1%		
Projected Bond Yields	11.	.3%		
	Cos	t of Equity Re	ecommendat	ion
Cost of Equity Range		9.5%	10.8%	
Flotation Cost Adjustment				
Dividend Yield		3.2%	3.2%	
Flotation Cost Percentage		3.6%	3.6%	
Adjustment		0.1%	0.1%	
Recommended ROE Range		9.6%	10.9%	

Oregon Jurisdictional Capital Structure										
			Actual					Projected		
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Debt	1,139,100	1,224,100	1,293,000	1,333,000	1,393,000	1,486,000	1,563,000	1,678,000	1,775,500	1885500
Common Equity	1,125,784	1,185,701	1,259,427	1,296,888	1,487,170	1,448,111	1,572,258	1,667,320	1,769,283	1,841,787
OR Equity Percent	49.7%	49.2%	49.3%	49.3%	51.6%	49.4%	50.1%	49.8%	49.9%	49.4%
OR Debt Percent	50.3%	50.8%	50.7%	50.7%	48.4%	50.6%	49.9%	50.2%	50.1%	50.6%
Projected based on JUN6A forecast										

ROE ANALYSES

Avista/301, Schedule AMM-1 Page 2 of 2

CHECKS OF REASONABLENESS

	Gas (<u>Group</u>	Combination Group		
	<u>Average</u>	<u>Midpoint</u>	<u>Average</u>	<u>Midpoint</u>	
CAPM - Current Bond Yield					
Unadjusted	9.7%	9.6%	9.2%	9.4%	
Size Adjusted	11.1%	11.2%	10.0%	10.0%	
CAPM - Projected Bond Yield					
Unadjusted	10.0%	9.9%	9.6%	9.7%	
Size Adjusted	11.4%	11.5%	10.4%	10.4%	
Expected Earnings - Gas Group	11.3%	11.9%	10.7%	11.7%	
Non-Utility DCF					
Value Line	10.3%	10.4%			
IBES	9.6%	9.7%			
Zacks	10.2%	10.2%			

CAPITAL STRUCTURE

Avista/301, Schedule AMM-2 Page 1 of 2

GAS GROUP

		At Fisc	al Year-End 2	2014 (a)	Value	e Line Projected (b)			
	Company	Debt	Preferred	Common Equity	Debt	Other	Common Equity		
1	AGL Resources	49.8%	0.0%	50.2%	44.5%	0.0%	55.5%		
2	Atmos Energy Corp.	44.3%	0.0%	55.7%	45.0%	0.0%	55.0%		
3	Laclede Group	55.1%	0.0%	44.9%	51.0%	0.0%	49.0%		
4	New Jersey Resources	39.6%	0.0%	60.4%	27.5%	0.0%	72.5%		
5	NiSource, Inc.	57.7%	0.0%	42.3%	56.0%	0.0%	44.0%		
6	Northwest Natural Gas	46.3%	0.0%	53.7%	45.5%	1.0%	53.5%		
7	Piedmont Natural Gas	52.1%	0.0%	47.9%	43.0%	0.5%	56.5%		
8	South Jersey Industries	52.0%	0.0%	48.0%	49.0%	0.0%	51.0%		
9	Southwest Gas Corp.	52.7%	0.0%	47.3%	49.5%	0.0%	50.5%		
10	WGL Holdings, Inc.	35.4%	1.4%	63.2%	27.0%	1.5%	71.5%		
	Average	48.5%	0.1%	51.4%	43.8%	0.3%	55.9%		

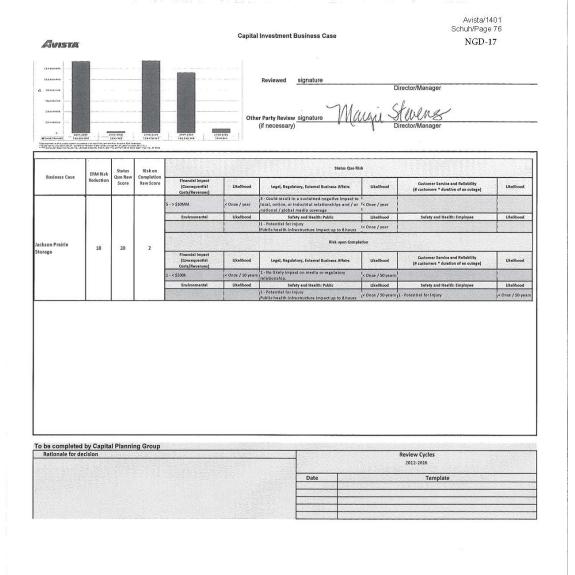
(a) Company Form 10-K and Annual Reports.

(b) The Value Line Investment Survey (Mar. 6, 2015).

Staff Hamada Adjustments

Corrected Staff/202 Muldoon/4

	1	2	3	4	5	6	7	8	9	10	11	# 12	13	14	15	16	17	#	18	19		
						Yahoo Finance													1	Hamada	1	
	UG 288 Staff Hamada Adjustments						\$ Stock Closing Price		3-Day	Div Yield	VL 2015	VL 2015 0	ap Structure				Relevered			Adjustment		
						1st Trac	ling Day of	Month	Avg \$	at	Return on	% Long	%		2015	Hamada	Beta		Equity	Equity		
[Abbreviated	UG 246	UG 246		April	May	June	Stock	Recent	Common	Term	Common	VL	VL	Unlevered	Equity at		Risk	At		
	#	Utility	AVA	Staff	Ticker	4/1/2015	5/1/2015	6/1/2015	Price	Price	Equity	Debt	Equity	Beta	Tax Rate	Beta	50.0%	P	remium	51.00%	#	
1	1	AGL	Yes	Sensitivity	GAS	50.27	50.37	50.36	50.33	3.9%	9.0%	48.0	52.0	0.80	37.5%	0.51	0.82		4.20%	0.10%	1	1
2	2	Atmos	Yes	No	ATO	54.00	54.02	54.09	54.04	2.8%	9.5%	44.5	55.5	0.85	39.5%	0.57	0.92		4.20%	0.29%	2	2
3	3	Laclede	Yes	No	LG	51.93	53.51	53.83	53.09	3.3%	8.5%	54.0	46.0	0.70	29.0%	0.38	0.65		4.20%	-0.20%	3	3
4	4	New Jersey	Yes	No	NJR	30.51	30.07	29.97	30.18	2.8%	12.5%	32.5	67.5	0.80	35.0%	0.61	1.01		4.20%	0.86%	4	4
5	5	NiSource	Yes	No	NI	43.42	47.18	47.06	45.89	2.2%	8.5%	56.0	44.0	0.85	37.0%	0.47	0.77		4.20%	-0.34%	5	5
6	6	Northwest Natural	Yes	Yes	NWN	46.70	44.70	44.52	45.31	4.1%	6.5%	44.5	55.5	0.70	40.0%	0.47	0.76		4.20%	0.24%	6	6
7	7	Piedmont	Yes	Yes	PNY	37.44	37.29	37.37	31.89	4.0%	11.0%	48.0	52.0	0.80	25.0%	0.47	0.83		4.20%	0.11%	7	7
8	8	South Jersey	Yes	No	SJI	25.52	25.54	25.48	25.51	3.8%	11.5%	47.0	53.0	0.85	25.0%	0.51	0.89		4.20%	0.18%	8	8
9	9	Southwest Gas	Yes	No	SWX	55.00	54.56	55.21	54.92	2.6%	9.5%	49.0	51.0	0.85	35.0%	0.52	0.86	4	4.20%	0.06%	9	9
10	11	WGL	Yes	No	WGL	55.01	57.54	57.70	56.75	3.1%	12.0%	32.5	66.0	0.90	39.0%	0.69	1.11	1	4.20%	0.90%	10	10
		American Water	No	Sensitivity	AWK	54.52	52.87	52.85	53.41	2.3%	8.5%	53.5	46.5	0.70	39.5%	0.41	0.66	4	4.20%	-0.16%	11	11
		CA Water	No	Sensitivity	CWT	23.87	23.89	24.14	23.97	2.7%	9.0%	43.0	57.0	0.75	28.5%	0.49	0.84	4	4.20%	0.36%	15	12
13	18	Middlesex Water	No	Sensitivity	MSEX	22.77	21.83	21.91	22.17	3.4%	9.0%	40.5	58.5	0.75	34.5%	0.52	0.85	4	4.20%	0.44%	13	13
14	20	York Water	No	Sensitivity	YORW	25.16	22.36	22.64	23.39	2.4%	11.5%	47.5	52.5	0.7	29.5%	0.43	0.73	4	4.20%	0.12%	14	14
-		TOTAL	10	2		SJI 2/1 Stock	Split in May 2	015 prices a	are correcte	ed by Staff / Y	ahoo Finance I	Retrieved Dec. 28,	2015			AVA	Peer Group			0.22%		
		7 26.39 26.33 Dividend Yield = (Annual Dividends per Share) / Price per Share Staff Peer Group								Peer Group			0.18%									
	w Sensitivities AGL Sensitivity										Mean	0.15%										
																Water	Sensitivity			0.18%		
AGL & Water Sensitivity													0.17%									



Avista/200 Thies/Page 15	
The capital related to AERC and its subsidiary, AEL&P, does not impact the capital	1
structure calculation for the Avista Utilities' rate proceeding. Debt and equity for AERC,	2
which was acquired in mid-2014, are excluded from this calculation for Avista Utilities.	3
Q. How does the Company determine the amount of long-term debt and	4
common equity to be included in its capital structure?	5
A. As a regulated utility, Avista has a continuing obligation to provide safe and	6
reliable service to customers while balancing safety and economy, in both the short term and	7
long term. Through our planning process, we determine the amount of new financing	8
needed to support our capital expenditure programs while maintaining an optimal capital	9
structure that balances and supports our current credit ratings and provides flexibility for	10
anticipated future capital requirements.	11
Q. Why is the Company proposing a 50.0 percent equity ratio?	12
A. On December 31, 2014, Avista's common equity percentage for the Oregon	13
jurisdiction was 50.4%. The Company continues to evaluate the extent and timing of equity	14
issuances for 2015, taking into account our capital expenditures and other financial	15
requirements.	16
Maintaining a 50.0 percent common equity ratio has several benefits for customers.	17
We are dependent on raising funds in capital markets throughout all business cycles. These	18
cycles include times of contraction and expansion. A solid financial profile will assist us in	19
accessing debt capital markets on reasonable terms in both favorable financial markets and	20
when there are disruptions in the financial markets.	21
Additionally, a 50.0 percent common equity ratio solidifies our current credit ratings	22
and supports our long-term goal of moving our corporate credit rating from BBB to BBB+.	23

Avista Corporation

Adjusted Capital Structure

<u>Line</u>	Description		Proposed ount (\$000) ¹ (1)	<u>Ad</u>	j <u>ustments</u> (2)	Adjusted <u>Amount</u> (3)	<u>Weight</u> (4)
1	Total Debt		1,573,000			\$ 1,573,000	54.4%
2	Common Equity	_	1,563,927	\$	(246,367)	\$ 1,317,560	45.6%
3	Total	\$	3,136,927			\$ 2,890,560	100.0%

Non Utility Investments²

4 5 6 7 8	Non Utility Property Less: Accum Provision for Nonutility Depr. Investment In Subsidiary Companies Other Investments Total	\$ \$ \$ \$ \$ \$ \$	5,289 (197) 151,715 <u>31,888</u> 188,695
9	Goodwill	\$	57,672
10	Total Adjustments	\$	246,367

Sources:

¹ Exhibit/201, Thies/Page 2.

² June 30, 2015 FERC Form 3-Q, Page 110 and 10K.