

**BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON**

UM 1933

In the Matter of)	
)	
AVISTA CORPORATION, dba)	STIPULATED AGREEMENT
AVISTA UTILITIES,)	
)	
Petition Requesting)	
Authority to Revise Its Book Depreciation)	
<u>Rates and Deferred Accounting</u>)	

This Stipulation is entered into for the purpose of implementing Avista Corporation’s (Avista or the Company) book depreciation rates for Oregon direct plant effective January 1, 2019 and common plant effective April 1, 2019.

PARTIES

The Parties to this Stipulation are Avista, the Staff of the Public Utility Commission of Oregon (Staff), Alliance of Western Energy Consumers (AWEC), and the Oregon Citizens’ Utility Board (CUB), (collectively the “Stipulating Parties”), representing all parties to this proceeding as of the date of this Stipulation.

BACKGROUND

1. On February 22, 2018, Avista filed a petition requesting authority to revise its natural gas book depreciation rates and a proposal for deferral of the effects of changes in depreciation rates once those rates are approved by the Commission. The Company requested authorization to revise its natural gas book depreciation rates consistent with the results of a

depreciation study recently undertaken by the Company.¹ That study showed that the annual depreciation expense recorded on the Company's books should be increased by approximately \$596,722 (Oregon Share) based on the average service life rates of natural gas plant in service as of December 31, 2016, that is directly assigned and allocated to Oregon. The Company requested that the Commission make its determination on depreciation rates by December 31, 2018, to commence with the Oregon-direct plant and allocated plant depreciation effective January 1, 2019, coincident with the implementation of depreciation rate updates in the Company's Washington and Idaho jurisdictions. The Company also requested that the difference between depreciation expense under current natural gas book depreciation rates, and depreciation expense under the updated depreciation rates, be deferred for later recovery from customers in a subsequent rate proceeding.

2. Avista is a utility that also provides service to electric and natural gas customers in eastern Washington and northern Idaho, in addition to its natural gas customers in Oregon. The Company also filed depreciation studies in its other jurisdictions under Docket No. UE-180167 in Washington and Docket Nos. AVU-E-18-03 and AVU-G-18-02 in Idaho. These cases are still being reviewed in those jurisdictions.

3. The Stipulating Parties recognized the need for sufficient time for Staff and interested Parties to complete their review of the Company's depreciation study, and for the Commission to consider this Stipulation. This Stipulation provides for implementation of new Oregon direct plant depreciation rates for accounting purposes effective January 1, 2019 and for common plant to become effective April 1, 2019.

¹ Avista hired Gannett Fleming, Inc. to undertake a depreciation study of its depreciable electric, gas and common plant in service. The study was completed in 2017. The objective of this assignment was to recommend depreciation rates to be utilized by Avista for accounting and ratemaking purposes.

4. Approval of this Stipulation would provide for the opportunity to simultaneously implement new depreciation rates for accounting purposes for common plant in all three jurisdictions in which Avista serves: Oregon, Washington and Idaho. Allowing Oregon common depreciation rate changes to be effective for accounting purposes at the same time as the other two jurisdictions will synchronize the timing of the Company's common depreciation accounting changes for the three states. Further, implementing common depreciation rates for accounting purposes in all three states on April 1, 2019 may simplify future accounting and audits of depreciation expense, if the same rates and methodology are in effect for all jurisdictions.

5. On July 10, 2018, a settlement conference was held and attended by the Stipulating Parties. At that settlement conference, the Stipulating Parties reached agreement on revisions to the Company's book depreciation rates. If ultimately approved by the Commission, such rates would constitute depreciation rates, which would be effective for accounting purposes on January 1, 2019 for Oregon direct plant and April 1, 2019 for common plant.

AGREEMENT

6. This Stipulation resolves all issues regarding the changes to the Company's depreciation rates proposed in the Depreciation Study.

7. The Company agrees to withdraw from this docket its request to defer the difference between depreciation expense under current book depreciation rates and depreciation expense under the updated depreciation rates. The Stipulating Parties agree that this Stipulation provides for the implementation of updated depreciation rates for accounting purposes only, and does not provide for adjustments to customer rates. Avista agrees to use the depreciation

rates agreed to in this Stipulation, if approved by the Commission, as the basis for its depreciation rates in the Company’s next general rate case proceeding in Oregon and will ultimately be included in customer’s rates through that proceeding.

8. The Stipulating Parties have agreed to book depreciation rates on directly assigned (Oregon) plant effective January 1, 2019 and common plant effective April 1, 2019. The Parties to this Agreement have agreed to the depreciation rates, as shown in Exhibit 101 Attachment A - System Summary to this Stipulation. That attachment provides detail of the affected plant accounts, specified depreciation rates, and the Oregon-allocated share of the depreciation expense impact to December 31, 2016 plant balances. The result of the agreed-upon depreciation rates is an overall decrease of approximately \$114,021 to depreciation expense based upon plant balances at December 31, 2016. Based on the allocation factors last authorized by the Commission for Avista, this represents a reduction of approximately \$710,743 (see Exhibit 101 Attachment A – System Summary and the table below Oregon summary below) for Oregon from what was originally filed by the Company.

	2016 Depreciation Expense		
	Oregon Direct	Oregon Common	Total
Existing 2016 Oregon Depreciation Expense	7,608,494	1,920,920	9,529,414
Add : impact of depreciation rates proposed	926,537	(329,815)	596,722
Avista Filed Depreciation Expense	8,535,031	1,591,105	10,126,136
Adjustments to Filing (Settlement)	(690,177)	(20,566)	(710,743)
Total Settled 2016 Oregon Depreciation Expense	7,844,854	1,570,539	9,415,393
Change from Existing Expense	236,360	(350,381)	(114,021)

9. The Stipulating Parties agree, as required by OAR 860-027-0350, the Company will file a new depreciation study within five years of the original filing date in this application.

10. The Stipulating Parties agree that this Stipulation is in the public interest and results in an overall fair, just and reasonable outcome.

11. The Stipulating Parties agree this Stipulation represents a compromise in the positions of the Parties. By entering into this Stipulation, no Party shall be deemed to have approved, admitted, or consented to the facts, principles, methods, or theories employed by any other Party in arriving at the terms of this Stipulation other than as specifically identified in this Stipulation. No Party shall be deemed to have agreed that any provision of this Stipulation is appropriate for resolving the issues in any other proceeding.

12. The Stipulating Parties agree that, consistent with OAR 860-001-0350(3), conduct, statements, and documents disclosed in the negotiation of this Stipulation shall not be admissible as evidence in this or any other proceeding unless independently discoverable or offered for other purposes allowed under ORS 40.190.

13. This Stipulation sets forth the entire agreement between the Stipulating Parties and supersedes any and all prior communications, understandings, or agreements, oral or written, between the Parties pertaining to the subject matter of this Stipulation.

14. This Stipulation will be offered into the record in this proceeding as evidence pursuant to OAR 860-001-0350(7). The Stipulating Parties agree to support this Stipulation throughout this proceeding and any appeal. The Stipulating Parties further agree to provide witnesses to sponsor this Stipulation in testimony, briefing and at the hearing, or, in a Party's discretion, to provide a representative at the hearing authorized to respond to the Commission's questions on the Party's position as may be appropriate.

15. If this Stipulation is challenged, the Stipulating Parties reserve the right to cross-examine witnesses and put on such case as they deem appropriate to respond fully to the issues presented, including the right to raise issues that are incorporated in the settlement embodied in this Stipulation. Notwithstanding this reservation of rights, the Stipulating Parties agree that they will continue to support the Commission's adoption of the terms of this Stipulation.

16. The Stipulating Parties have negotiated this Stipulation, including its attachments, as an integrated document. If the Commission rejects all or any material part of this Stipulation or imposes additional material conditions in approving the Stipulation, any Party disadvantaged by such action shall have the right to withdraw from this Stipulation, pursue their rights under OAR 860-001-0350(9), and/or seek reconsideration or appeal of the Commission's order in accordance with OAR 860-001-0720. However, prior to withdrawal, the Party shall engage in good faith negotiation with the other Stipulating Parties. No Party withdrawing from this Stipulation shall be bound to any position, commitment, or condition of this Stipulation. In the event any Party withdraws from the Stipulation, then no part of the Stipulation may be offered or admitted into evidence in any proceeding. This Stipulation may be executed in counterparts and each signed counterpart shall constitute an original document. The Stipulating Parties further agree that any facsimile copy of a Party's signature is valid and binding to the same extent as an original signature.


17. This Stipulation may not be modified or amended except by written agreement among all Parties who have executed it.

This Stipulation is entered into by each Party on the date entered below such Party's signature.

DATED this 7th day of September 2018

AVISTA CORPORATION

STAFF OF THE PUBLIC UTILITY COMMISSION OF OREGON

By: 
Date: 9-7-18

By: _____
Date: _____

CITIZENS' UTILITY BOARD

ALLIANCE OF WESTERN ENERGY CONSUMERS

By: _____
Date: _____

By: _____
Date: _____


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CONSUMERS

By: Michael P. Stoy

By: _____

Date: 9/7/18

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ALLIANCE OF WESTERN ENERGY
CONSUMERS

By: _____

By:  _____

Date: _____

Date: 9/7/2018 _____

AVISTA CORPORATION

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
ELECTRIC PLANT											
STEAM PRODUCTION PLANT											
310.3	REMOVING OTHER PROPERTY KETTLE FALLS	SQUARE	*	0	138,175	116,227	21,948	1,829	1.32	12.0	
310.4	EASEMENTS, PERMITS KETTLE FALLS	SQUARE	*	0	10,000	8,411	1,589	132	1.32	12.0	
311	STRUCTURES AND IMPROVEMENTS KETTLE FALLS	70-S1.5	*	(4)	24,784,379	18,547,417	7,228,338	618,338	2.49	11.7	
	COLSTRIP 3 AND COMMON	70-S1.5	*	(6)	51,804,126	44,316,264	10,596,110	630,553	1.22	16.8	
	COLSTRIP 4	70-S1.5	*	(7)	52,928,787	41,249,977	15,383,824	820,837	1.55	18.7	
	TOTAL ACCOUNT 311				129,517,292	104,113,658	33,208,272	2,069,728	1.60	16.0	
311.1	STRUCTURES AND IMPROVEMENTS - LANDFILL KETTLE FALLS	50-S3	*	0	3,761,712	2,549,126	1,212,586	104,570	2.78	11.6	
312	BOILER PLANT EQUIPMENT KETTLE FALLS	55-R1	*	(4)	44,487,738	30,244,154	16,023,094	1,416,100	3.18	11.3	
	COLSTRIP 3 AND COMMON	55-R1	*	(6)	77,199,083	62,153,091	19,677,937	1,210,241	1.57	16.3	
	COLSTRIP 4	55-R1	*	(7)	56,047,116	35,700,912	24,269,503	1,334,454	2.38	18.2	
	TOTAL ACCOUNT 312				177,733,937	128,098,156	59,970,534	3,960,795	2.23	15.1	
313	ENGINES AND ENGINE-DRIVEN GENERATORS COLSTRIP 3 AND COMMON	50-R2.5	*	(6)	3,385	583	3,005	171	5.05	17.6	
	COLSTRIP 4	50-R2.5	*	(7)	3,385	581	3,041	157	4.64	19.4	
	TOTAL ACCOUNT 313				6,770	1,164	6,046	328	4.84	18.4	
314	TURBOGENERATORS KETTLE FALLS	35-R0.5	*	(4)	14,067,514	11,411,321	3,218,894	316,213	2.25	10.2	
	COLSTRIP 3 AND COMMON	35-R0.5	*	(6)	27,848,363	11,904,482	17,614,783	1,181,280	4.24	14.9	
	COLSTRIP 4	35-R0.5	*	(7)	13,749,304	6,453,916	8,257,840	529,917	3.85	15.6	
	TOTAL ACCOUNT 314				55,665,181	29,769,719	29,091,517	2,027,410	3.64	14.3	
315	ACCESSORY ELECTRIC EQUIPMENT KETTLE FALLS	50-R3	*	(4)	11,255,596	6,505,048	5,200,772	456,595	4.06	11.4	
	COLSTRIP 3 AND COMMON	50-R3	*	(6)	9,540,814	7,416,123	2,697,140	170,619	1.79	15.8	
	COLSTRIP 4	50-R3	*	(7)	6,672,777	4,797,223	2,342,648	133,697	2.00	17.5	
	TOTAL ACCOUNT 315				27,469,187	18,718,394	10,240,560	760,911	2.77	13.5	
316	MISCELLANEOUS POWER PLANT EQUIPMENT KETTLE FALLS	55-R2	*	(4)	2,601,470	1,833,319	872,210	77,177	2.97	11.3	
	COLSTRIP 3 AND COMMON	55-R2	*	(6)	10,129,068	7,323,863	3,412,948	206,142	2.04	16.6	
	COLSTRIP 4	55-R2	*	(7)	4,929,557	3,213,386	2,061,240	112,654	2.29	18.3	
	TOTAL ACCOUNT 316				17,660,095	12,370,569	6,346,398	395,973	2.24	16.0	
TOTAL STEAM PRODUCTION PLANT					411,962,349	295,745,425	140,099,450	9,321,676	2.26		

AVISTA CORPORATION

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				

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DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE		ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
		PERCENT (3)					AMOUNT (7)	RATE (8)=(7)/(4)				
HYDRO PRODUCTION PLANT												
330.1	ASSET AGREEMENT - SETTLEMENT LITTLE FALLS	50-SQ	0	4,200,000	1,690,145	2,509,855	83,393	1.99	30.1			
330.3	REMOVING PROPERTY OF OTHERS											
	LITTLE FALLS	100-R4	*	13,634	9,026	4,608	226	1.66	20.4			
	LONG LAKE	100-R4	*	171,080	93,434	77,646	2,510	1.47	30.9			
	SPOKANE UPPER FALLS	100-R4	*	63,564	47,273	16,291	876	1.38	18.6			
	NINE MILE	100-R4	*	9,937	7,006	2,931	68	0.68	43.1			
	POST FALLS	100-R4	*	23,167	13,425	9,742	482	2.08	20.2			
	CABINET GORGE	100-R4	*	6,783,237	1,864,490	4,918,747	129,124	1.90	38.1			
	NOXON RAPIDS	100-R4	*	29,413,622	6,701,598	22,712,024	522,631	1.78	43.5			
	TOTAL ACCOUNT 330.3			36,478,239	8,736,252	27,741,989	655,917	1.80	42.3			
330.31	TWIN CREEK CHANNEL RESTORATION CABINET GORGE	100-R4	*	242,033	42,293	199,740	3,627	1.50	55.1			
330.4	LAND EASEMENTS											
	LITTLE FALLS	80-R4	*	3,627	3,554	72	10	0.28	7.2			
	LONG LAKE	80-R4	*	246,562	199,849	46,714	5,646	2.29	8.3			
	NINE MILE	80-R4	*	980	905	74	10	1.02	7.4			
	POST FALLS	80-R4	*	2,708,437	1,384,552	1,323,885	46,779	1.73	28.3			
	CABINET GORGE	80-R4	*	365,924	114,193	251,731	11,531	3.15	21.8			
	NOXON RAPIDS	80-R4	*	80,870	5,584	75,286	1,361	1.68	55.3			
	TOTAL ACCOUNT 330.4			3,406,400	1,708,637	1,697,762	65,337	1.92	26.0			
330.41	LAND EASEMENTS - CONSERVATION - HABITAT											
	CABINET GORGE	80-R4	*	841,373	82,248	759,125	14,004	1.66	54.2			
	NOXON RAPIDS	80-R4	*	982,235	140,005	842,230	14,345	1.46	58.7			
	TOTAL ACCOUNT 330.41			1,823,608	222,253	1,601,355	28,349	1.55	56.5			
331	STRUCTURES AND IMPROVEMENTS											
	MONROE STREET	110-R2	*	7,950,531	1,180,335	7,326,734	142,358	1.79	51.5			
	LITTLE FALLS	110-R2	*	2,958,816	859,838	2,306,095	55,418	1.87	41.6			
	LONG LAKE	110-R2	*	4,621,930	1,536,872	3,408,593	90,019	1.95	37.9			
	SPOKANE UPPER FALLS	110-R2	*	975,791	498,787	545,310	12,849	1.32	42.4			
	NINE MILE	110-R2	*	18,104,688	1,110,189	17,718,687	417,970	2.31	42.4			
	POST FALLS	110-R2	*	2,523,931	683,779	1,941,109	45,673	1.81	42.5			
	CABINET GORGE	110-R2	*	12,378,554	5,496,251	8,862,871	181,433	1.47	48.8			
	NOXON RAPIDS	110-R2	*	17,388,831	4,678,301	16,883,850	306,038	1.76	55.2			
	TOTAL ACCOUNT 331			66,903,073	16,044,352	58,993,249	1,251,758	1.87	47.1			

AVISTA CORPORATION

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DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
331.1	STRUCTURES AND IMPROVEMENTS - FISH AND WILDLIFE CONSERVATION										
	MONROE STREET	55-S2.5 *	206	31	189	6	2.92	31.5			
	LONG LAKE	55-S2.5 *	64,872	64,872	4,541	157	0.24	28.9			
	POST FALLS	55-S2.5 *	2,665	2,665	106	3	0.11	35.3			
	CABINET GORGE	55-S2.5 *	31,650	8,603	28,111	636	2.01	44.2			
	NOXON RAPIDS	55-S2.5 *	97,471	17,858	103,006	2,383	2.44	43.2			
	TOTAL ACCOUNT 331.1		196,864	94,030	135,953	3,185	1.62	42.7			
331.2	STRUCTURES AND IMPROVEMENTS - RECREATION										
	MONROE STREET	50-S1 *	4,037,025	233,581	4,086,036	99,631	2.47	41.0			
	LONG LAKE	50-S1 *	1,432,202	197,536	1,334,920	39,008	2.72	34.2			
	SPOKANE UPPER FALLS	50-S1 *	5,980	4,053	2,345	122	2.04	19.2			
	NINE MILE	50-S1 *	305,602	28,450	289,376	7,661	2.51	37.8			
	POST FALLS	50-S1 *	642,359	40,160	627,893	17,152	2.67	36.6			
	CABINET GORGE	50-S1 *	1,182,514	391,087	980,629	25,065	2.12	39.1			
	NOXON RAPIDS	50-S1 *	1,406,658	296,394	1,447,862	35,995	2.56	40.2			
	TOTAL ACCOUNT 331.2		9,012,339	1,191,260	8,769,061	224,634	2.49	39.0			
331.26	STRUCTURES AND IMPROVEMENTS - RECREATION INFORMATION AND EDUCATION										
	CABINET GORGE	50-R3 *	24,242	16,146	11,975	318	1.31	37.7			
	NOXON RAPIDS	50-R3 *	11,359	4,747	9,338	246	2.17	38.0			
	TOTAL ACCOUNT 331.26		35,601	20,893	21,313	564	1.58	37.8			
332	RESERVOIRS, DAMS AND WATERWAYS										
	MONROE STREET	110-R1 *	10,095,955	1,193,169	9,609,503	193,141	1.91	49.8			
	LITTLE FALLS	110-R1 *	5,051,126	3,052,548	2,352,157	59,037	1.17	39.8			
	LONG LAKE	110-R1 *	33,691,480	10,738,311	25,311,573	689,124	2.05	36.7			
	SPOKANE UPPER FALLS	110-R1 *	7,607,241	2,500,247	5,639,500	138,451	1.82	40.7			
	NINE MILE	110-R1 *	19,191,492	1,618,100	18,341,051	451,712	2.35	40.6			
	POST FALLS	110-R1 *	25,779,753	1,818,150	24,992,793	608,817	2.36	41.1			
	CABINET GORGE	110-R1 *	24,338,640	8,122,865	20,109,957	421,239	1.73	47.7			
	NOXON RAPIDS	110-R1 *	30,920,074	10,992,378	27,348,513	537,264	1.74	50.9			
	TOTAL ACCOUNT 332		156,675,760	40,035,768	133,705,047	3,098,785	1.98	43.1			
332.1	RESERVOIRS, DAMS AND WATERWAYS - FISH AND WILDLIFE CONSERVATION										
	LONG LAKE	60-S1.5 *	55,849	1,189	58,570	1,592	2.85	36.8			
	NINE MILE	60-S1.5 *	3,535	1,579	2,097	59	1.67	35.5			
	POST FALLS	60-S1.5 *	885,405	45,040	875,781	21,647	2.44	40.5			
	CABINET GORGE	60-S1.5 *	16,222,465	2,761,983	16,056,077	361,831	2.23	44.4			
	NOXON RAPIDS	60-S1.5 *	2,267,111	535,497	2,275,721	49,536	2.18	45.9			
	TOTAL ACCOUNT 332.1		19,434,366	3,345,289	19,268,246	434,665	2.24	44.3			
332.15	RESERVOIRS, DAMS AND WATERWAYS - FISH AND WILDLIFE CONSERVATION										
	NINE MILE	60-S1.5 *	11,034	102	11,373	278	2.52	40.9			
	CABINET GORGE	60-S1.5 *	1,103,733	204,483	1,075,847	24,840	2.25	43.3			
	NOXON RAPIDS	60-S1.5 *	1,624,068	234,178	1,779,666	36,123	2.22	49.3			
	TOTAL ACCOUNT 332.15		2,738,835	438,763	2,866,886	61,241	2.24	46.8			

AVISTA CORPORATION

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
332.2	RESERVOIRS, DAMS AND WATERWAYS - RECREATION										
	LITTLE FALLS	60-S1.5 *	14,366	9,047	6,325	201	1.40	31.5			
	LONG LAKE	60-S1.5 *	105,639	93,371	19,663	689	0.65	28.5			
	NINE MILE	60-S1.5 *	47,372	21,169	28,098	870	1.84	32.3			
	POST FALLS	60-S1.5 *	268,670	73,195	206,221	7,102	2.64	29.0			
	CABINET GORGE	60-S1.5 *	102,570	51,409	67,573	1,950	1.90	34.7			
	NOXON RAPIDS	60-S1.5 *	132,046	8,462	155,276	3,627	2.75	42.8			
	TOTAL ACCOUNT 332.2		670,663	256,653	483,156	14,439	2.15	33.5			
333	TURBINES AND GENERATORS										
	MONROE STREET	65-R1.5 *	11,030,835	1,824,479	9,978,514	244,406	2.22	40.8			
	LITTLE FALLS	65-R1.5 *	18,805,196	3,851,245	16,270,314	416,341	2.21	39.1			
	LONG LAKE	65-R1.5 *	8,738,011	8,015,287	1,334,385	39,624	0.45	33.7			
	SPOKANE UPPER FALLS	65-R1.5 *	1,166,451	1,152,123	95,979	2,526	0.22	38.0			
	NINE MILE	65-R1.5 *	40,283,852	993,665	40,901,541	1,039,002	2.58	39.4			
	POST FALLS	65-R1.5 *	2,233,651	1,728,946	594,051	17,704	0.79	33.6			
	CABINET GORGE	65-R1.5 *	45,860,098	4,679,066	48,518,647	1,189,371	2.59	40.8			
	NOXON RAPIDS	65-R1.5 *	88,980,262	14,205,519	96,130,006	2,140,326	2.41	44.9			
	TOTAL ACCOUNT 333		217,098,355	36,450,330	213,823,437	5,089,300	2.34	42.0			
334	ACCESSORY ELECTRIC EQUIPMENT										
	MONROE STREET	40-S1 *	2,409,684	320,331	2,258,032	88,216	3.66	25.6			
	LITTLE FALLS	40-S1 *	8,626,979	1,653,015	7,577,852	234,519	2.72	32.3			
	LONG LAKE	40-S1 *	3,261,743	2,676,123	813,942	27,875	0.85	29.2			
	SPOKANE UPPER FALLS	40-S1 *	4,268,622	596,075	3,971,350	132,812	3.11	29.9			
	NINE MILE	40-S1 *	18,891,949	1,182,954	18,464,673	552,168	2.92	33.4			
	POST FALLS	40-S1 *	729,509	555,653	203,037	8,734	1.20	23.2			
	CABINET GORGE	40-S1 *	6,979,749	3,788,950	4,307,559	146,710	2.10	29.4			
	NOXON RAPIDS	40-S1 *	12,795,148	1,546,152	14,319,831	523,285	4.09	27.4			
	TOTAL ACCOUNT 334		57,963,383	12,319,253	51,916,276	1,714,319	2.96	30.3			
335	MISCELLANEOUS POWER PLANT EQUIPMENT										
	MONROE STREET	60-R1 *	33,564	4,664	31,249	771	2.30	40.5			
	LITTLE FALLS	60-R1 *	240,482	99,998	157,318	4,330	1.80	36.3			
	LONG LAKE	60-R1 *	515,599	267,505	284,187	8,706	1.69	32.6			
	SPOKANE UPPER FALLS	60-R1 *	104,450	34,166	77,595	2,237	2.14	34.7			
	NINE MILE	60-R1 *	3,105,234	70,770	3,158,673	83,211	2.68	38.0			
	POST FALLS	60-R1 *	463,679	73,478	408,748	11,085	2.39	36.9			
	CABINET GORGE	60-R1 *	4,240,454	2,250,612	2,668,315	60,200	1.42	44.3			
	NOXON RAPIDS	60-R1 *	2,804,384	1,513,346	1,964,089	46,487	1.66	42.3			
	TOTAL ACCOUNT 335		11,507,845	4,314,539	8,750,174	217,027	1.89	40.3			

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TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
335.1	MISCELLANEOUS POWER PLANT EQUIPMENT - FISH AND WILDLIFE CONSERVATION										
	CABINET GORGE	50-R3	*	(16)	110,521	71,499	56,704	1,496	1.35	37.9	
	NOXON RAPIDS	50-R3	*	(24)	355,980	296,168	145,247	4,187	1.18	34.7	
	TOTAL ACCOUNT 335.1				466,501	367,667	201,951	5,683	1.22	35.5	
335.15	MISCELLANEOUS POWER PLANT EQUIPMENT - FISH AND WILDLIFE CONSERVATION										
	CABINET GORGE	50-R3	*	(16)	48,759	343	56,217	1,215	2.49	46.3	
	NOXON RAPIDS	50-R3	*	(24)	66,402	35	82,303	1,748	2.63	47.1	
	TOTAL ACCOUNT 335.15				115,161	378	138,520	2,963	2.57	46.7	
335.2	MISCELLANEOUS POWER PLANT EQUIPMENT - RECREATION										
	CABINET GORGE	50-R3	*	(16)	21,109	6,461	18,025	487	2.31	37.0	
	NOXON RAPIDS	50-R3	*	(24)	27,992	2,725	31,985	750	2.68	42.6	
	TOTAL ACCOUNT 335.2				49,100	9,186	50,010	1,237	2.52	40.4	
336	ROADS, RAILROADS AND BRIDGES										
	MONROE STREET	55-S2.5	*	(7)	50,448	8,624	45,356	1,458	2.89	31.1	
	SPOKANE UPPER FALLS	55-S2.5	*	(7)	508,242	18,120	525,700	12,869	2.53	40.9	
	NINE MILE	55-S2.5	*	(4)	594,870	120,456	498,209	16,049	2.70	31.0	
	CABINET GORGE	55-S2.5	*	(16)	1,670,911	962,437	975,820	33,355	2.00	29.3	
	NOXON RAPIDS	55-S2.5	*	(24)	246,561	114,737	190,999	7,297	2.96	26.2	
	TOTAL ACCOUNT 336				3,071,034	1,224,374	2,236,084	71,028	2.31	31.5	
	TOTAL HYDRO PRODUCTION PLANT				592,089,159	128,512,316	535,110,064	13,027,451	2.20		
	OTHER PRODUCTION PLANT										
341	STRUCTURES AND IMPROVEMENTS										
	NORTHEAST TURBINE	55-S4	*	(5)	751,025	327,579	460,998	231,166	30.78	2.0	
	BOULDER PARK	55-S4	*	(2)	1,266,746	451,626	840,455	32,488	2.56	25.9	
	RATHDRUM TURBINE	55-S4	*	(4)	3,531,838	1,323,544	2,349,568	130,593	3.70	18.0	
	COYOTE SPRINGS 2	55-S4	*	(3)	11,402,122	4,509,603	7,234,583	270,049	2.37	26.8	
	TOTAL ACCOUNT 341				16,951,731	6,612,352	10,885,604	664,296	3.92	16.4	
342	FUEL HOLDERS, PRODUCERS AND ACCESSORIES										
	KETTLE FALLS	55-R3	*	(1)	89,232	54,988	35,137	2,975	3.33	11.8	
	NORTHEAST TURBINE	55-R3	*	(5)	31,460	34,606	(1,573)	0	-	-	
	BOULDER PARK	55-R3	*	(2)	166,324	60,780	108,871	4,350	2.62	25.0	
	RATHDRUM TURBINE	55-R3	*	(4)	1,695,808	701,384	1,062,256	60,351	3.56	17.6	
	LANCASTER	55-R3	*	(5)	91,978	30,282	66,295	2,828	3.07	23.4	
	COYOTE SPRINGS 2	55-R3	*	(3)	19,304,933	7,749,565	12,134,517	473,560	2.45	25.6	
	TOTAL ACCOUNT 342				21,379,736	8,631,604	13,405,503	544,064	2.54	24.6	
343	PRIME MOVERS										
	KETTLE FALLS	60-S2.5	*	(1)	9,071,493	5,429,137	3,733,071	313,177	3.45	11.9	
	NORTHEAST TURBINE	60-S2.5	*	(5)	9,058,274	9,058,274	452,914	227,689	2.51	2.0	
	BOULDER PARK	60-S2.5	*	(2)	57,216	23,862	34,499	1,364	2.38	25.3	
	RATHDRUM TURBINE	60-S2.5	*	(4)	5,722,486	2,104,400	3,846,986	215,819	3.77	17.8	

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DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
TOTAL ACCOUNT 343			23,909,470	16,615,673	8,067,470	758,049	3.17	10.6			

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TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
344	GENERATORS										
	KETTLE FALLS	45-R1 *	3,718	2,029	1,726	153	4.11	11.3			
	NORTHEAST TURBINE	45-R1 *	2,603,841	2,603,841	130,192	66,734	2.56	2.0			
	BOULDER PARK	45-R1 *	30,877,177	14,848,050	16,646,671	749,464	2.43	22.2			
	RATHDRUM TURBINE	45-R1 *	49,617,979	19,455,970	32,146,729	1,954,459	3.94	16.4			
	LANCASTER	45-R1 *	208,506	61,361	157,571	7,329	3.52	21.5			
	COYOTE SPRINGS 2	45-R1 *	135,049,781	33,016,409	106,084,865	4,540,911	3.36	23.4			
	TOTAL ACCOUNT 344		218,361,003	69,987,659	155,167,754	7,319,050	3.35	21.2			
344.01	GENERATORS - SOLAR CENTRAL OPERATIONS FACILITY	25-S2.5 *	449,026	82,057	380,439	30,047	6.69	12.7			
345	ACCESSORY ELECTRIC EQUIPMENT										
	KETTLE FALLS	20-S1 *	13,382	1,794	11,722	1,070	8.00	11.0			
	NORTHEAST TURBINE	20-S1 *	1,242,722	892,168	412,691	210,524	16.94	2.0			
	BOULDER PARK	20-S1 *	646,153	31,130	627,946	41,503	6.42	15.1			
	RATHDRUM TURBINE	20-S1 *	2,770,049	166,547	2,714,304	227,709	8.22	11.9			
	LANCASTER	20-S1 *	49,439	927	50,984	3,060	6.19	16.7			
	COYOTE SPRINGS 2	20-S1 *	15,855,170	6,603,528	9,727,297	832,490	5.25	11.7			
	TOTAL ACCOUNT 345		20,576,916	7,696,094	13,544,944	1,316,356	6.40	10.3			
345.01	ACCESSORY ELECTRIC EQUIPMENT - SOLAR CENTRAL OPERATIONS FACILITY	20-S2.5 *	33,209	1,975	32,231	2,731	8.22	11.8			
346	MISCELLANEOUS POWER PLANT EQUIPMENT										
	NORTHEAST TURBINE	35-R2.5 *	398,997	239,149	179,798	92,899	23.28	1.9			
	BOULDER PARK	35-R2.5 *	40,764	3,067	38,511	1,625	3.99	23.7			
	RATHDRUM TURBINE	35-R2.5 *	294,930	15,337	291,389	16,784	5.69	17.4			
	COYOTE SPRINGS 2	35-R2.5 *	996,325	56,894	969,321	43,815	4.40	22.1			
	TOTAL ACCOUNT 346		1,731,016	314,448	1,479,019	155,123	8.96	9.5			
	TOTAL OTHER PRODUCTION PLANT		303,392,107	109,941,862	202,962,964	10,789,716	3.56				
	TRANSMISSION PLANT										
350.3	REMOVING PROPERTY OF OTHERS	80-R4	1,487,566	723,252	764,314	15,881	1.07	48.1			
350.4	LAND RIGHTS	80-R4	19,802,757	4,814,469	14,988,289	235,802	1.19	63.6			
352	STRUCTURES AND IMPROVEMENTS	65-S1.5	24,160,649	5,784,463	20,792,251	392,768	1.63	52.9			
353	STATION EQUIPMENT	44-R2	253,210,886	79,534,847	198,997,127	6,099,885	2.41	32.6			
354	TOWERS AND FIXTURES	75-R4	17,173,620	8,892,086	10,857,578	259,118	1.51	41.9			
355	POLES AND FIXTURES	63-R2.5	211,925,652	64,393,518	211,109,830	4,085,463	1.93	51.7			
356	OVERHEAD CONDUCTORS AND DEVICES	65-R3	137,306,838	43,500,123	134,998,766	2,941,971	2.14	45.9			
357	UNDERGROUND CONDUIT	60-R4	2,987,090	666,141	2,320,949	48,946	1.64	47.4			
358	UNDERGROUND CONDUCTORS AND DEVICES	50-S3	2,342,956	931,693	1,411,264	48,149	2.06	29.3			
359	ROADS AND TRAILS	70-R4	2,098,308	828,419	1,269,889	29,648	1.41	42.8			
	TOTAL TRANSMISSION PLANT		672,496,323	210,069,009	597,510,257	14,157,631	2.11				
	DISTRIBUTION PLANT										
360.4	LAND - EASEMENTS	75-R4	2,496,628	179,050	2,317,578	33,375	1.34	69.4			
361	STRUCTURES AND IMPROVEMENTS	60-S1.5	21,067,973	6,203,573	16,971,197	363,078	1.72	46.7			
362	STATION EQUIPMENT	42-R1.5	126,490,153	36,318,568	102,820,600	3,384,033	2.68	30.4			

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	DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
							AMOUNT (7)	RATE (8)=(7)/(4)				
363	STORAGE BATTERY EQUIPMENT	15-L3	0	2,597,845	214,597	2,383,248	176,537	6.80	13.5			

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DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
394	TOOLS, SHOP AND GARAGE EQUIPMENT	0	3,671,450	1,644,250	2,027,200	183,471	5.00	11.0			
394.1	ELECTRIC VEHICLE CHARGER	0	51,258	5,318	45,940	5,405	10.54	8.5			
	<i>TOTAL ACCOUNT 394</i>		3,722,708	1,649,568	2,073,140	188,876	5.07				
395	LABORATORY EQUIPMENT	0	620,888	315,190	305,698	41,416	6.67	7.4			

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DEPRECIABLE GROUP (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
396.3	POWER OPERATED EQUIPMENT										
	MEDIUM TRUCKS	15-L2	6,090,938	2,327,418	3,763,519	461,454	7.58	8.2			
396.4	HEAVY TRUCKS	22-S1	23,137,770	10,317,220	12,820,550	867,320	3.75	14.8			
396.5	OTHER	15-S0	3,032,645	603,710	2,428,935	248,009	8.18	9.8			
	TOTAL ACCOUNT 396		32,261,353	13,248,349	19,013,004	1,576,783	4.89				
397	COMMUNICATION EQUIPMENT										
	FULLY ACCRUED		14,938,231	14,938,230	0	0	-	***			
	AMORTIZED	15-SQ	48,801,607	21,150,500	27,651,107	3,254,663	6.67	8.5			
	TOTAL ACCOUNT 397		63,739,837	36,088,730	27,651,107	3,254,663	5.11				
398	MISCELLANEOUS EQUIPMENT	10-SQ	141,145	48,435	92,710	14,115	10.00	6.6			
	TOTAL GENERAL PLANT		155,704,793	69,968,150	86,126,219	9,256,393	5.94				
	TOTAL DEPRECIABLE ELECTRIC PLANT		3,671,146,586	1,316,135,357	3,126,071,925	97,423,466	2.65				
	GAS PLANT - WASHINGTON AND IDAHO										
	NATURAL GAS STORAGE AND PROCESSING PLANT										
350.2	RIGHTS OF WAY	60-R4	59,812	25,648	34,163	810	1.35	42.2			
	STRUCTURES AND IMPROVEMENTS										
351.1	STRUCTURES AND IMPROVEMENTS	60-S2.5	1,507,987	481,937	1,101,450	22,933	1.52	48.0			
351.2	COMPRESSOR STATION	60-S2.5	275,255	193,977	95,041	3,179	1.15	29.9			
351.3	MEASURING AND REGULATING STATION	60-S2.5	52,850	38,183	17,310	578	1.09	29.9			
351.4	OFFICE	60-S2.5	110,236	57,072	58,676	1,506	1.37	39.0			
351.41	PUMP HOUSE	60-S2.5	61,656	44,545	20,194	675	1.09	29.9			
	TOTAL ACCOUNT 351		2,007,984	815,714	1,292,671	28,871	1.44				
	WELLS										
352	STORAGE WELLS	55-R4	12,961,442	5,254,038	7,707,403	178,581	1.38	43.2			
352.2	RESERVOIRS	50-R4	203,330	78,284	125,047	3,984	1.96	31.4			
352.3	NON-RECOVERABLE GAS	50-R4	5,359,690	3,713,362	1,646,328	42,333	0.79	38.9			
	TOTAL ACCOUNT 352		18,524,463	9,045,684	9,478,778	224,898	1.21				
353	LINES	60-R4	1,044,477	561,499	482,978	12,714	1.22	38.0			
354	COMPRESSOR STATION EQUIPMENT	55-R4	12,131,498	2,909,235	9,222,263	205,021	1.69	45.0			
355	MEASURING AND REGULATING EQUIPMENT	35-R3	802,253	42,587	759,666	30,564	3.81	24.9			
356	PURIFICATION EQUIPMENT	35-S2.5	403,713	386,376	17,337	1,449	0.36	12.0			
357	OTHER EQUIPMENT	45-R1.5	2,097,315	820,662	1,276,653	37,468	1.79	34.1			
	TOTAL NATURAL GAS STORAGE AND PROCESSING PLANT		37,071,514	14,607,405	22,564,509	541,795	1.46				

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TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
GENERAL PLANT											
391	OFFICE FURNITURE AND EQUIPMENT										
391	OFFICE FURNITURE AND EQUIPMENT	15-SQ	378,871.41	340,985	37,886	25,257	6.67	1.5	7,941		31.44%
391.1	COMPUTER HARDWARE	5-SQ	236,062.04	127,096	108,966	47,204	20.00	2.3	14,842		31.44%
	TOTAL ACCOUNT 391		614,933.45	468,081	146,852	72,461	11.78		22,783		

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TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %	
						AMOUNT (7)	RATE (8)=(7)/(4)					
394	TOOLS, SHOP AND GARAGE EQUIPMENT	20-SQ	0	3,159,996.76	699,800	2,460,197	158,001	5.00	15.6			
395	LABORATORY EQUIPMENT	15-SQ	0	161,302.03	50,140	111,162	10,753	6.67	10.3			
397	COMMUNICATION EQUIPMENT FULLY ACCRUED AMORTIZED	15-SQ	0	612,664 380,268	612,664 240,805	0 139,463	0 25,350	- 6.67	*** 5.5	-	-	31.44%
	TOTAL ACCOUNT 397			992,932	853,469	139,463	25,350	2.55		7,971		
	TOTAL GENERAL PLANT			4,929,165	2,071,490	2,857,674	266,565	5.41		83,813		
	TOTAL GAS PLANT - ALLOCATED ALL			4,929,165	2,071,490	2,857,674	266,565	5.41		83,813		
	GAS PLANT - OREGON											
	NATURAL GAS STORAGE AND PROCESSING PLANT											
	STRUCTURES AND IMPROVEMENTS											
351.2	COMPRESSOR STATION	60-S2.5	(5)	264	34	243	5	1.89	48.6	5		100%
351.4	OFFICE	60-S2.5	(5)	87,588	4,289	87,679	1,535	1.75	57.1	1,535		100%
	TOTAL ACCOUNT 351			87,853	4,323	87,922	1,540	1.75		1,540		
	WELLS											
352	STORAGE WELLS	60-R4	0	963,386	127,431	835,954	16,069	1.67	52.0	16,069		100%
352.2	RESERVOIRS	60-R4	0	1,464,162	170,274	1,293,888	23,777	1.62	54.4	23,777		100%
352.3	NON-RECOVERABLE GAS	60-R4	0	450,620	85,305	365,315	6,949	1.54	52.6	6,949		100%
	TOTAL ACCOUNT 352			2,878,167	383,010	2,495,157	46,795	1.63		46,795		
353	LINES	60-R4	0	62,304	11,201	51,103	991	1.59	51.6	991		100%
354	COMPRESSOR STATION EQUIPMENT	55-R4	0	2,934,584	445,442	2,489,142	53,270	1.82	46.7	53,270		100%
355	MEASURING AND REGULATING EQUIPMENT	35-R3	0	70,522	29,395	41,127	1,225	1.74	33.6	1,225		100%
357	OTHER EQUIPMENT	45-R1.5	0	76,139	2,416	73,723	1,711	2.25	43.1	1,711		100%
	TOTAL NATURAL GAS STORAGE AND PROCESSING PLANT			6,109,569	875,787	5,238,174	105,532	1.73		105,532		
	DISTRIBUTION PLANT											
374.4	LAND - EASEMENTS	60-R4	0	392,457	29,391	363,066	6,506	1.66	55.8	6,506		100%
375	STRUCTURES AND IMPROVEMENTS	50-R2	0	378,029	79,997	298,032	7,706	2.04	38.7	7,706		100%
376	MAINS	60-R3	(23)	196,446,788	57,163,618	184,465,932	3,720,081	1.89	49.6	3,720,081		100%
378	MEASURING AND REGULATING EQUIPMENT - GENERAL	36-S0.5	(15)	5,043,307	1,124,314	4,675,490	161,252	3.20	29.0	161,252		100%
379	MEASURING AND REGULATING EQUIPMENT - CITY GATE	42-S0.5	(15)	2,180,745	473,467	2,034,391	59,835	2.74	34.0	59,835		100%
380	SERVICES	50-R3	(25)	89,906,030	37,558,449	74,824,089	1,879,518	2.09	39.8	1,879,518		100%
381	METERS	35-R1	(1)	40,940,579	5,915,498	35,434,486	1,375,082	3.36	25.8	1,375,082		100%
385	INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT	55-R2.5	(15)	1,550,095	739,752	1,042,857	22,193	1.43	47.0	22,193		100%
387	OTHER EQUIPMENT	18-SQ	0	539	539	0	0	-	-	0		100%
	TOTAL DISTRIBUTION PLANT			336,838,570	103,085,024	303,138,343	7,232,173	2.15		7,232,173		

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TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
GENERAL PLANT											
390.1	STRUCTURES AND IMPROVEMENTS - COMPANY	32-R3	3,604,553	1,623,983	1,980,570	88,469	2.45	22.4	88,469		100%
	TRANSPORTATION EQUIPMENT										
392.2	LIGHT TRUCKS	13-S1.5	3,013,914	924,892	2,089,022	231,642	7.69	9.0	231,642		100%
392.3	MEDIUM TRUCKS	16-L2.5	1,066,189	448,677	617,512	52,205	4.90	11.8	52,205		100%
392.4	HEAVY TRUCKS	18-R3	92,389	92,389	0	0	-	-	0		100%
392.5	OTHER	15-L2	39,769	32,773	6,996	621	1.56	11.3	621		100%
	TOTAL ACCOUNT 392		4,212,262	1,498,731	2,713,530	284,468	6.75		284,468		
393	STORES EQUIPMENT	25-SQ	57,227	46,980	10,247	2,287	4.00	4.5	2,287		100%
394	TOOLS, SHOP AND GARAGE EQUIPMENT	20-SQ	951,077	503,290	447,787	47,519	5.00	9.4	47,519		100%
395	LABORATORY EQUIPMENT	15-SQ	40,917	31,370	9,547	2,728	6.67	3.5	2,728		100%
396.5	POWER OPERATED EQUIPMENT - OTHER	15-SO	43,834	27,482	16,352	2,021	4.61	8.1	2,021		100%
397	COMMUNICATION EQUIPMENT										
	FULLY ACCRUED		70,280	70,280	0	0	-	***	0		100%
	AMORTIZED	15-SQ	1,189,896	519,860	670,036	79,420	6.67	8.4	79,420		100%
	TOTAL ACCOUNT 397		1,260,176	590,140	670,036	79,420	6.30		79,420		
398	MISCELLANEOUS EQUIPMENT	10-SQ	2,367	1,538	829	237	10.00	3.5	237		100%
	TOTAL GENERAL PLANT		10,172,412	4,323,515	5,848,898	507,149	4.99		507,149		
	TOTAL GAS PLANT - OREGON		353,120,551	108,284,326	314,225,415	7,844,854	2.22		7,844,854		
	TOTAL DEPRECIABLE GAS PLANT		1,026,528,223	336,108,433	902,772,856	24,568,722	2.39		7,928,667		
COMMON PLANT											
389.3	LAND AND LAND RIGHTS										
	REMOVING PROPERTY OF OTHERS	65-R4	1,734,689	53,063	1,681,626	30,704	1.77	54.8	2,792	98.54%	9.227%
389.4	LAND EASEMENTS	65-R4	39,787	37,269	2,518	81	0.20	31.1	7	100.00%	9.227%
	TOTAL ACCOUNT 389		1,774,475	90,331	1,684,144	30,785	1.73		2,799		
390.1	STRUCTURES AND IMPROVEMENTS - COMPANY	50-R2	127,285,793	6,848,112	120,437,682	2,757,854	2.17	43.7	204,610	80%	9.227%
	OFFICE FURNITURE AND EQUIPMENT										
	OFFICE FURNITURE AND EQUIPMENT	15-SQ	11,490,827	5,457,362	6,033,465	765,985	6.67	7.9	70,677	100%	9.227%
391.1	COMPUTER HARDWARE	5-SQ	47,335,575	20,962,760	26,372,815	9,466,135	20.00	2.8	860,820	99%	9.227%
391.11	COMPUTER HARDWARE	5-SQ	1,033,086	262,045	771,041	206,617	20.00	3.7	19,065	100%	9.227%
	TOTAL ACCOUNT 391		59,859,488	26,682,167	33,177,321	10,438,737	17.44		950,562		
	TRANSPORTATION EQUIPMENT										
392.1	AUTOS	10-L4	134,402	114,858	19,544	5,146	3.83	3.8	34	7.09%	9.227%
392.2	LIGHT TRUCKS	13-S1.5	4,427,961	2,380,429	1,604,736	157,197	3.55	10.2	1,028	7.09%	9.227%
392.3	MEDIUM TRUCKS	16-L2.5	1,382,248	910,415	333,608	26,564	1.92	12.6	0	0.00%	9.227%
392.4	HEAVY TRUCKS	18-R3	125,204	16,977	101,966	8,818	7.04	11.6	814	100.00%	9.227%

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DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
392.5 OTHER	15-L2	9	624,645	274,608	293,818	33,581	5.38	8.7	700	22.60%	9.227%
TOTAL ACCOUNT 392			6,694,460	3,697,288	2,353,672	231,306	3.46		2,576		

Exhibit 101
Attachment A

AVISTA CORPORATION

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %	
						AMOUNT (7)	RATE (8)=(7)/(4)					
393	STORES EQUIPMENT	25-SQ	0	4,084,317	913,075	3,171,242	163,222	4.00	19.4	0	0%	9.227%
394	TOOLS, SHOP AND GARAGE EQUIPMENT	20-SQ	0	14,068,418	3,203,895	10,864,523	702,834	5.00	15.5	59,275	91.40%	9.227%
395	LABORATORY EQUIPMENT	15-SQ	0	384,822	237,825	146,997	25,653	6.67	5.7	2,188	92.42%	9.227%
	POWER OPERATED EQUIPMENT											
396.3	MEDIUM TRUCKS	15-L2	0	59,502	44,858	14,644	3,462	5.82	4.2	0	0.00%	9.227%
396.5	OTHER	15-S0	10	1,734,083	1,191,631	369,044	35,684	2.06	10.3	1,003	30.48%	9.227%
	TOTAL ACCOUNT 396			1,793,585	1,236,489	383,688	39,146	2.18		1,003		
397	COMMUNICATION EQUIPMENT COMMUNICATION EQUIPMENT FULLY ACCRUED AMORTIZED	15-SQ	0	7,679,792 42,593,508	7,679,792 13,114,860	0 29,478,648	0 2,841,123	- 6.67	*** 10.4	0 212,514	49% 81%	9.227% 9.227%
	TOTAL ACCOUNT 397			50,273,299	20,794,652	29,478,648	2,841,123	5.65		212,514		
397.2	PORTABLE	10-SQ	0	8,254,560	2,252,975	6,001,585	825,236	10.00	7.3	47,644	63%	9.227%
	TOTAL ACCOUNT 397			58,527,859	23,047,627	35,480,233	3,666,359	6.26		260,157		
398	MISCELLANEOUS EQUIPMENT	10-SQ	0	395,331	107,759	287,572	39,528	10.00	7.3	3,555	97%	9.227%
	TOTAL DEPRECIABLE COMMON PLANT			274,868,548	66,064,568	207,987,074	18,095,424	6.58	A	1,486,726		
									A	1,570,539		
	TOTAL DEPRECIABLE ELECTRIC, GAS AND COMMON PLANT			4,972,543,357	1,718,308,358	4,236,831,855	140,087,612	2.82		9,415,393		
	COMPANY FILED			4,972,543,357	1,718,308,358	4,246,253,226	140,889,812	2.83		10,126,136		
						(9,421,371)	(802,200)			(710,743)		
	UNRECOVERED RESERVE ADJUSTMENT FOR AMORTIZATION - ELECTRIC PLANT											
391.1	OFFICE FURNITURE AND EQUIPMENT - COMPUTER HARDWARE				823,803		(164,761)	**				
393	STORES EQUIPMENT				(33,649)		6,730	**				
394	TOOLS, SHOP AND GARAGE EQUIPMENT				(55,485)		11,097	**				
395	LABORATORY EQUIPMENT				50,698		(10,140)	**				
397	COMMUNICATION EQUIPMENT				756,003		(151,201)	**				
398	MISCELLANEOUS EQUIPMENT				(10,954)		2,191	**				
	TOTAL UNRECOVERED RESERVE FOR AMORTIZATION - ELECTRIC PLANT				1,530,416		(306,084)					
	UNRECOVERED RESERVE ADJUSTMENT FOR AMORTIZATION - GAS PLANT - WASHINGTON AND IDAHO											
391.1	OFFICE FURNITURE AND EQUIPMENT - COMPUTER HARDWARE				766		(153)	**				
393	STORES EQUIPMENT				(4,889)		978	**				
394	TOOLS, SHOP AND GARAGE EQUIPMENT				3,000		(600)	**				
395	LABORATORY EQUIPMENT				(4,464)		893	**				
397	COMMUNICATION EQUIPMENT				(67,070)		13,414	**				

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DEPRECIABLE GROUP (1)	SURVIVIOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
TOTAL UNRECOVERED RESERVE FOR AMORTIZATION - GAS PLANT - WASHINGTON AND IDAHO				(72,657)		14,532					
UNRECOVERED RESERVE ADJUSTMENT FOR AMORTIZATION - GAS PLANT - ALLOCATED ALL											
391	OFFICE FURNITURE AND EQUIPMENT - OFFICE FURNITURE AND EQUIPMENT			24,707		(4,941)	**				
391.1	OFFICE FURNITURE AND EQUIPMENT - COMPUTER HARDWARE			4,145		(829)	**				
394	TOOLS, SHOP AND GARAGE EQUIPMENT			12,046		(2,409)	**				
395	LABORATORY EQUIPMENT			(1,152)		230	**				
397	COMMUNICATION EQUIPMENT			46,103		(9,221)	**				
TOTAL UNRECOVERED RESERVE FOR AMORTIZATION - GAS PLANT - ALLOCATED ALL				85,849		(17,170)					

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TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC, GAS AND COMMON PLANT AS OF DECEMBER 31, 2016

DEPRECIABLE GROUP (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE BOOK ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)	2016 Depreciation Expense Oregon Share	allocated all CD AA % of Balance	oregon gas Allocation %
						AMOUNT (7)	RATE (8)=(7)/(4)				
AMORTIZABLE AND LAND - GAS PLANT - ALLOCATED ALL											
303.1	MISCELLANEOUS INTANGIBLE PLANT - SOFTWARE		1,243,567.02								
350.1	LAND		806,640.64								
TOTAL AMORTIZABLE AND LAND - GAS PLANT - ALLOCATED ALL			2,050,207.66								
AMORTIZABLE AND LAND - GAS PLANT - OREGON											
303	MISCELLANEOUS INTANGIBLE PLANT		426,122.66								
304	LAND		7,628.34								
350.1	LAND		117.33								
374.2	LAND		219,323.61								
389.2	LAND		848,543.82								
TOTAL AMORTIZABLE AND LAND - GAS PLANT - OREGON			1,501,735.76								
AMORTIZABLE AND LAND - COMMON PLANT											
303	MISCELLANEOUS INTANGIBLE PLANT		9,177,966.22								
303.1	MISCELLANEOUS INTANGIBLE PLANT - SOFTWARE		62,744,279.32								
303.11	MISCELLANEOUS INTANGIBLE PLANT - PC SOFTWARE		4,519,644.73								
303.13	MISCELLANEOUS INTANGIBLE PLANT - SOFTWARE SAAS		1,825,659.52								
303.15	MISCELLANEOUS INTANGIBLE PLANT - PC SOFTWARE		100,831,203.22								
389.2	LAND		9,777,215.59								
390.2	STRUCTURES AND IMPROVEMENTS - LEASEHOLD		141,487.64								
TOTAL AMORTIZABLE AND LAND - COMMON PLANT			189,017,456.24								
TOTAL ELECTRIC, GAS AND COMMON PLANT			10,272,330,147.81	3,443,616,366	8,473,663,710	278,775,292					

* Life Span Procedure was used. Curve Shown is Interim Survivor Curve.

** 5 year amortization of reserve related to amortization accounting.

*** The fully accrued portion of account 397 represents assets which would be fully depreciated based upon their vintage year. Such assets have been segregated within this study as fully accrued assets. Upon approval of updated depreciation rates recommended by this study, the Company plans to fully implement amortization accounting, which will cease to depreciate fully accrued assets. This plan to adopt amortization accounting (vintage year) applies to the other general plant accounts.

**** The ARO calculations were provided by Avista management. The recovery is based on a 20 year life which is consistent with the final retirement date of 2036. The depreciation rate is 5 percent.

Note: The following accounts will use the rates below for new additions:

Account	Description	Rate	
370.04	Meters - AMI (Advanced Metering Infrastructure)	7.03%	electrical-AMI
392.06	Transportation Equipment - Airplane	6.09%	
303.16	Miscellaneous Intangible Plant - MDM (Meter data management)	8.00%	

