

Astoria Station

Line No.		2023											
		Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Actual August	Actual September	Actual October	Actual November	Actual December
1	RATE BASE												
2	Plant Balance	151,938,444	152,190,073	152,197,553	152,197,553	152,197,553	152,202,932	152,203,644	152,205,999	152,205,966	152,169,889	152,169,889	152,169,889
3	Accumulated Depreciation	(7,841,024)	(8,214,102)	(8,587,814)	(8,961,546)	(9,335,277)	(9,709,009)	(10,082,754)	(10,456,501)	(10,830,254)	(11,204,007)	(11,577,669)	(11,951,330)
4	Net Plant in Service	144,097,419	143,975,971	143,609,739	143,236,008	142,862,276	142,493,923	142,120,890	141,749,498	141,375,712	140,965,882	140,592,221	140,218,559
5	CWIP	-	-	-	-	-	-	-	-	-	-	-	-
6													
7													
8	ADIT Proration Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
9	Accumulated Deferred Income Taxes - Federal	(3,191,287)	(3,340,624)	(3,489,828)	(3,639,028)	(3,788,228)	(3,937,428)	(4,086,625)	(4,235,821)	(4,385,017)	(4,534,212)	(4,683,427)	(4,832,641)
10	Accumulated Deferred Income Taxes - Federal & State	(3,191,287)	(3,340,624)	(3,489,828)	(3,639,028)	(3,788,228)	(3,937,428)	(4,086,625)	(4,235,821)	(4,385,017)	(4,534,212)	(4,683,427)	(4,832,641)
11	LISA Pre-Payments	2,312,728	2,344,945	2,409,378	2,481,865	2,602,677	2,811,198	3,028,660	3,213,905	3,309,121	3,442,467	3,506,715	3,727,970
12	Ending Rate Base	143,218,860	142,980,292	142,529,289	142,078,845	141,676,725	141,367,694	141,062,925	140,727,581	140,299,815	139,874,138	139,415,509	139,113,887
13													
14	Average Rate Base	11,782,213	11,782,213	11,782,213	11,782,213	11,782,213	11,782,213	11,782,213	11,782,213	11,782,213	11,782,213	11,782,213	11,782,213
15													
16	Return on Rate Base	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346
17													
18	Available for Return (equity portion of rate base)	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483
19													
20	EXPENSES												
21	O&M and Depreciation												
22	Operating Costs	93,862	111,499	108,076	84,118	113,010	132,350	212,263	42,433	148,259	220,374	151,993	110,452
23	Net Facility Service Agreement Payments/(Revenues)	(25,428)	(25,428)	(25,428)	(25,428)	(25,428)	(25,183)	(25,183)	(25,183)	(25,183)	(25,183)	(25,183)	(25,183)
24	Property Tax	19,650	19,650	19,650	19,650	19,650	19,650	19,650	19,650	19,650	19,650	19,650	19,650
25	Book Depreciation	373,075	373,077	373,713	373,732	373,732	373,732	373,745	373,747	373,753	373,753	373,662	373,662
26	Total O&M and Depreciation Expense	461,159	478,798	476,011	452,072	480,964	500,548	580,475	410,647	516,478	588,594	520,122	478,581
27													
28	Income before Taxes												
29	Available for Return (from above)	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483	552,483
30	Taxable Income (grossed up)	699,345	699,345	699,345	699,345	699,345	699,345	699,345	699,345	699,345	699,345	699,345	699,345
31													
32	Income Taxes												
33	Current and Def Income Taxes	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862
34	Total Income Tax Expense	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862	146,862
35													
36													
37	REVENUE REQUIREMENTS												
38	Expenses	608,021	625,661	622,873	598,934	627,826	647,411	727,338	557,509	663,341	735,456	666,984	625,443
39	Return on Rate Base (from above)	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346	790,346
40	Subtotal Revenue Requirements	1,398,368	1,416,007	1,413,219	1,389,280	1,418,172	1,437,757	1,517,684	1,347,855	1,453,687	1,525,803	1,457,330	1,415,789
41	Adjustments												
42	Total Revenue Requirements	1,398,368	1,416,007	1,413,219	1,389,280	1,418,172	1,437,757	1,517,684	1,347,855	1,453,687	1,525,803	1,457,330	1,415,789
43													
44	Peak Demand Factor	1,398,368	1,416,007	1,413,219	1,389,280	1,418,172	1,437,757	1,517,684	1,347,855	1,453,687	1,525,803	1,457,330	1,415,789
45													
46	South Dakota share - D1 factor	138,380	140,126	139,850	137,481	140,340	142,278	150,187	133,381	143,854	150,991	144,215	140,104
47													
48	SUPPORTING INFORMATION / DATA												
49	SD Cap Structure with allowed ROE per order.	While not in-service, use WACC inclusive of short-term debt. Once in-service, use WACC excluding short-term debt.											
50	Capital Structure	Ratio	Cost	WA Cost					Federal	State			
51	Debt	46.41%	4.35%	2.02%				Statutory Tax Rate	21.00%	21.00%	0.00%		
52	Preferred equity	0.00%	0.00%	0.00%				Tax conversion factor	1.265823				
53	Common equity	53.59%	8.75%	4.69%				Property Tax Rate	0.60%				
54	Total	100.00%		6.71%	Overall Return								

Astoria Station

Line No.		2025												Projected Year-End
		Projected January	Projected February	Projected March	Projected April	Projected May	Projected June	Projected July	Projected August	Projected September	Projected October	Projected November	Projected December	
1	RATE BASE													
2	Plant Balance	152,200,844	152,200,844	152,200,844	152,200,844	152,200,844	152,200,844	152,200,844	152,200,844	152,200,844	152,200,844	152,200,844	152,200,844	152,200,844
3	Accumulated Depreciation	(16,809,632)	(17,183,372)	(17,557,112)	(17,930,852)	(18,304,592)	(18,678,331)	(19,052,071)	(19,425,811)	(19,799,551)	(20,173,291)	(20,547,031)	(20,920,771)	(20,920,771)
4	Net Plant in Service	135,391,212	135,017,472	134,643,733	134,269,993	133,896,253	133,522,513	133,148,773	132,775,033	132,401,293	132,027,553	131,653,813	131,280,073	131,280,073
5	CWIP	-	-	-	-	-	-	-	-	-	-	-	-	-
6														
7	ADIT Proration Factor	200,456	131,580	20,894	57,928	157,619	174,211	223,985	315,239	174,211	66,366	49,775	174,211	-
8	Accumulated Deferred Income Taxes - Federal	0.583562	0.506849	0.421918	0.339726	0.254795	0.172603	0.087671	0.002740	0.920548	0.835616	0.753425	0.668493	0.668493
9	Accumulated Deferred Income Taxes - Federal & State	(6,311,849)	(6,365,714)	(6,410,553)	(6,446,658)	(6,473,736)	(6,492,079)	(6,501,397)	(6,501,688)	(6,599,519)	(6,688,324)	(6,768,394)	(6,839,438)	(6,839,438)
10	LTSA Pre-Payments	(6,311,849)	(6,365,714)	(6,410,553)	(6,446,658)	(6,473,736)	(6,492,079)	(6,501,397)	(6,501,688)	(6,599,519)	(6,688,324)	(6,768,394)	(6,839,438)	(6,839,438)
11	Ending Rate Base	5,475,477	5,607,057	5,627,950	5,685,878	5,843,498	6,017,709	6,241,694	6,556,933	6,731,144	6,797,510	6,847,284	7,021,495	7,021,495
12		134,554,841	134,258,815	133,861,130	133,509,213	133,266,015	133,048,142	132,889,071	132,830,278	132,532,918	132,136,739	131,732,704	131,462,130	131,462,130
13	Average Rate Base	11,095,334	11,095,334	11,095,334	11,095,334	11,095,334	11,095,334	11,095,334	11,095,334	11,095,334	11,095,334	11,095,334	11,095,334	133,144,011
14	Return on Rate Base	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	8,931,247
15	Available for Return (equity portion of rate base)	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	6,243,289
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19														
20	EXPENSES													
21	O&M and Depreciation													
22	Operating Costs	77,549	66,380	63,983	72,326	81,047	108,904	117,716	103,832	100,835	70,796	66,981	80,180	1,010,529
23	Net Facility Service Agreement Payments/(Revenues)	(25,314)	(25,314)	(25,314)	(25,314)	(25,314)	(25,314)	(25,314)	(25,314)	(25,314)	(25,314)	(25,314)	(25,314)	(303,772)
24	Property Tax	49,459	49,459	49,459	49,459	49,459	49,459	49,459	49,459	49,459	49,459	49,459	49,459	593,513
25	Book Depreciation	373,740	373,740	373,740	373,740	373,740	373,740	373,740	373,740	373,740	373,740	373,740	373,740	4,484,879
26	Total O&M and Depreciation Expense	475,434	464,265	461,868	470,211	478,932	506,789	515,601	501,717	498,720	468,681	464,866	478,065	5,785,149
27	Income before Taxes													
28	Available for Return (from above)	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	520,274	6,243,289
29	Taxable Income (grossed up)	658,575	658,575	658,575	658,575	658,575	658,575	658,575	658,575	658,575	658,575	658,575	658,575	7,902,898
30	Income Taxes													
31	Current and Def Income Taxes	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	1,659,608
32	Total Income Tax Expense	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	138,301	1,659,608
33														
34														
35														
36														
37	REVENUE REQUIREMENTS													
38	Expenses	613,735	602,566	600,169	608,512	617,233	645,090	653,902	640,018	637,021	606,982	603,167	616,366	7,444,757
39	Return on Rate Base (from above)	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	744,271	8,931,247
40	Subtotal Revenue Requirements	1,358,005	1,346,836	1,344,439	1,352,782	1,361,503	1,389,360	1,398,172	1,384,288	1,381,291	1,351,252	1,347,437	1,360,636	16,376,004
41	Adjustments													
42	Total Revenue Requirements	1,358,005	1,346,836	1,344,439	1,352,782	1,361,503	1,389,360	1,398,172	1,384,288	1,381,291	1,351,252	1,347,437	1,360,636	16,376,004
43	Peak Demand Factor	1,358,005	1,346,836	1,344,439	1,352,782	1,361,503	1,389,360	1,398,172	1,384,288	1,381,291	1,351,252	1,347,437	1,360,636	16,376,004
44	South Dakota share - D1 factor	134,327	133,223	132,985	133,811	134,673	137,429	138,301	136,927	136,631	133,659	133,282	134,588	1,619,836
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47														
48	SUPPORTING INFORMATION / DATA													
49	SD Cap Structure with allowed ROE per order.	While not in-service, use WACC inclusive of short-term debt. Once in-service, use WACC excluding short-term debt.												
50	Capital Structure	Ratio	Cost	WA Cost					Federal		State			
51	Debt	46.41%	4.35%	2.02%				Statutory Tax Rate	21.00%	21.00%	0.00%			
52	Preferred equity	0.00%	0.00%	0.00%				Tax conversion factor	1.265823					
53	Common equity	53.59%	8.75%	4.69%				Property Tax Rate	0.62%					
54	Total	100.00%		6.71%	Overall Return									