Otter Tail Power Company
South Dakota Phase-In Rider
Astoria Generation Revenue Requirements

Line No.	*Year>>*	2019 Actual Jan	2019 Actual Feb	2019 Actual Mar	2019 Actual Apr	2019 Projected May	2019 Projected Jun	2019 Projected Jul	2019 Projected Aug	2019 Projected Sep	2019 Projected Oct	2019 Projected Nov	2019 Projected Dec	2019 Projected Total
	RATE BASE													
1	Plant Balance - Astoria Station	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Net Plant in Service	0	0	0	0	0	0	0	0	0	0	0	0	0
4	CWIP	6,658,166	7,002,612	7,649,549	8,629,317	11,042,923	17,093,393	27,750,193	34,807,042	45,531,660	48,128,443	50,564,459	52,872,365	52,872,365
	ADIT Proration Factor	1.000000	1.000000	1.000000	1.000000	1.0000	1.0000	1.0000	1.0000	0.9205	0.8356	0.7534	0.6685	
5	Accumulated Deferred Income Taxes Federal & State	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Ending Rate Base	6,658,166	7,002,612	7,649,549	8,629,317	11,042,923	17,093,393	27,750,193	34,807,042	45,531,660	48,128,443	50,564,459	52,872,365	52,872,365
7														
8	Average Rate Base	2,090,019	2,090,019	2,090,019	2,090,019	2,090,019	2,090,019	2,090,019	2,090,019	2,090,019	2,090,019	2,090,019	2,090,019	25,080,231
9														
10	Return on Rate Base	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	1,781,340
11														
12	Available for Return (equity portion of rate base)	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	1,155,634
13														
14	*EXPENSES*													
15	*O&M and Depreciation*													
16	Operating Costs	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Property Tax	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Book Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Total O&M and Depreciation Expense	0	0	0	0	0	0	0	0	0	0	0	0	0
20														
21	Income before Taxes													
22	Available for Return (from above)	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	96,303	1,155,634
23	Taxable Income (grossed up)	121,902	121,902	121,902	121,902	121,902	121,902	121,902	121,902	121,902	121,902	121,902	121,902	1,462,828
24														
25	Income Taxes													
26	Current and Def Income Taxes	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	307,194
27	Total Income Tax Expense	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	307,194
28														
29														
30	*REVENUE REQUIREMENTS*													
31	Expenses	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	25,599	307,194
32	Return on Rate Base	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	148,445	1,781,340
33	Subtotal Revenue Requirements	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	2,088,534
34	Adjustments													0
35	Total Revenue Requirements	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	2,088,534
36														
37	Peak Demand Factor	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	174,045	2,088,534
38														
39	South Dakota share - D1 factor	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	206,390
40	SD Revenue Requirements	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	206,390
41														
42	Total South Dakota Share	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	17,199	206,390

Line No.														
	SUPPORTING INFORMATION / DATA													
1														
2		SD Cap Structure with allowed ROE per order.												
3		Capital Structure Long	**Ratio**		**Cost**		**WA Cost**				**Property tax**			
4		Debt	46.42%		5.16%		2.40%				2019 composite rate		0.85%	
5		Preferred equity	0.00%		0.00%		0.00%							
6		Common equity	53.58%		8.75%		4.69%							
7		Total	100.00%				7.08%	Overall Return						
8														
9		Capital Structure Short & Long	**Ratio**		**Cost**		**WA Cost**							
10		Debt	47.34%		5.27%		2.49%							
11		Preferred equity	0.00%		0.00%		0.00%							
12		Common equity	52.66%		8.75%		4.61%							
13		Total	100.00%				7.10%	Overall Return						
14														
15			**Book**	**Tax**										
16		Project life (years)	50	15-year MACRS										
17														
18				**Federal**	**State**	**SD Gross**								
19		Statutory Tax Rate	21.00%	21.00%	0.00%	0.15%								
20		Tax conversion factor	1.26582											
21		Peak Demand Factor	100.00%											
22		SD Share - D1 Factor	9.8820%											
23														
24	**Deferred Tax**													
25	Book depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Tax depreciation-Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Tax depreciation-State	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Federal deferred income taxes	0	0	0	0	0	0	0	0	0	0	0	0	0
29	State deferred income taxes	0	0	0	0	0	0	0	0	0	0	0	0	0

Otter Tail Power Company
South Dakota Phase-In Rider
Astoria Generation Revenue Requirements

Line No.	*Year>>*	2020 Projected Jan	2020 Projected Feb	2020 Projected Mar	2020 Projected Apr	2020 Projected May	2020 Projected Jun	2020 Projected Jul	2020 Projected Aug	2020 Projected Sep	2020 Projected Oct	2020 Projected Nov	2020 Projected Dec	2020 Projected Total
	RATE BASE													
1	Plant Balance - Astoria Station	0	0	0	0	0	0	0	0	0	0	0	142,674,782	142,674,782
2	Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Net Plant in Service	0	0	0	0	0	0	0	0	0	0	0	142,674,782	142,674,782
4	CWIP	57,285,729	70,769,788	77,645,553	95,258,422	102,329,489	108,324,431	114,160,457	119,901,947	125,484,543	130,293,092	133,508,163	0	0
	ADIT Proration Factor	0.5836	0.5068	0.4219	0.3397	0.2548	0.1726	0.0877	0.0027	0.9205	0.8356	0.7534	0.6685	
5	Accumulated Deferred Income Taxes Federal & State	0	0	0	0	0	0	0	0	0	0	0	(1,001,460)	(1,001,460)
6	Ending Rate Base	57,285,729	70,769,788	77,645,553	95,258,422	102,329,489	108,324,431	114,160,457	119,901,947	125,484,543	130,293,092	133,508,163	141,673,322	141,673,322
7														
8	Average Rate Base	8,522,483	8,522,483	8,522,483	8,522,483	8,522,483	8,522,483	8,522,483	8,522,483	8,522,483	8,522,483	8,522,483	8,522,483	102,269,792
9														
10	Return on Rate Base	598,919	598,919	598,919	598,919	598,919	598,919	598,919	598,919	598,919	598,919	598,919	603,692	7,191,801
11														
12	Available for Return (equity portion of rate base)	387,922	387,922	387,922	387,922	387,922	387,922	387,922	387,922	387,922	387,922	387,922	399,555	4,666,698
13														
14	*EXPENSES*													
15	*O&M and Depreciation*													
16	Operating Costs	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Property Tax	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	449,415
18	Book Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Total O&M and Depreciation Expense	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	37,451	449,415
20														
21	Income before Taxes													
22	Available for Return (from above)	387,922	387,922	387,922	387,922	387,922	387,922	387,922	387,922	387,922	387,922	387,922	399,555	4,666,698
23	Taxable Income (grossed up)	491,041	491,041	491,041	491,041	491,041	491,041	491,041	491,041	491,041	491,041	491,041	505,766	5,907,213
24														
25	Income Taxes													
26	Current and Def Income Taxes	103,119	103,119	103,119	103,119	103,119	103,119	103,119	103,119	103,119	103,119	103,119	106,211	1,240,515
27	Total Income Tax Expense	103,119	103,119	103,119	103,119	103,119	103,119	103,119	103,119	103,119	103,119	103,119	106,211	1,240,515
28														
29														
30	*REVENUE REQUIREMENTS*													
31	Expenses	140,570	140,570	140,570	140,570	140,570	140,570	140,570	140,570	140,570	140,570	140,570	143,662	1,689,930
32	Return on Rate Base	598,919	598,919	598,919	598,919	598,919	598,919	598,919	598,919	598,919	598,919	598,919	603,692	7,191,801
33	Subtotal Revenue Requirements	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	747,354	8,881,731
34	Adjustments													0
35	Total Revenue Requirements	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	747,354	8,881,731
36														
37	Peak Demand Factor	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	739,489	747,354	8,881,731
38														
39	South Dakota share - D1 factor	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,854	877,697
40	SD Revenue Requirements	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,854	877,697
41														
42	Total South Dakota Share	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,077	73,854	877,697

Line No.														
	SUPPORTING INFORMATION / DATA													
1														
2		SD Cap Structure with allowed ROE per order.												
3		Capital Structure	**Ratio**		**Cost**		**WA Cost**				**Property tax**			
4		Debt	46.42%		5.16%		2.40%				2020 composite rate		0.85%	
5		Preferred equity	0.00%		0.00%		0.00%							
6		Common equity	53.58%		8.75%		4.69%							
7		Total	100.00%				7.08%	Overall Return						
8														
9		Capital Structure Short & Long	**Ratio**		**Cost**		**WA Cost**							
10		Debt	47.98%		5.16%		2.48%							
11		Preferred equity	0.00%		0.00%		0.00%							
12		Common equity	52.02%		8.75%		4.55%							
13		Total	100.00%				7.03%	Overall Return						
14														
15			**Book**	**Tax**										
16		Project life (years)	50	15-year MACRS										
17														
18				**Federal**	**State**	**SD Gross**								
19		Statutory Tax Rate	21.00%	21.00%	0.00%	0.15%								
20		Tax conversion factor	1.26582											
21		Peak Demand Factor	100.00%											
22		SD Share - D1 Factor	9.8820%											
23														
24	**Deferred Tax**													
25	Book depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Tax depreciation-Federal	0	0	0	0	0	0	0	0	0	0	0	7,133,739	7,133,739
27	Tax depreciation-State	0	0	0	0	0	0	0	0	0	0	0	7,133,739	7,133,739
28	Federal deferred income taxes	0	0	0	0	0	0	0	0	0	0	0	(1,498,085)	(1,498,085)
29	State deferred income taxes	0	0	0	0	0	0	0	0	0	0	0	0	0