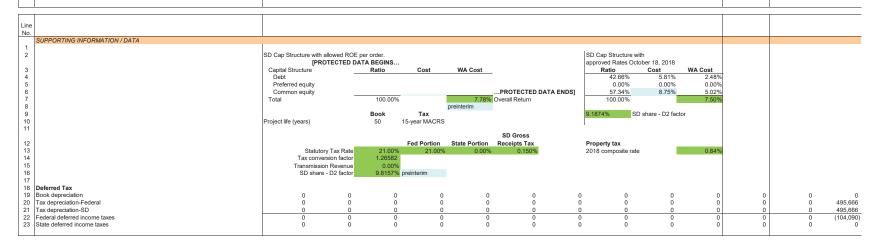
Otter Tail Power Company South Dakota Transmission Cost Recovery Rider BSAT - Ellendale MVP Revenue Requirements

	Year>>	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2019	2019
3		Actual	Actual	Actual	Actual	Actual	Actual							
		March	April	May	June	July	August	September	October	November	December	Total	January	February
RATE BASE														
Plant Balance		0	0	0	0	0	0	0	0	0	0	0	0	103,428,381
Accumulated Depreciation		0	0	0	0	0	0	0	0	0	0	0	0	0
Net Plant in Service		0	0	0	0	0	0	0	0	0	0	0	0	103,428,381
CWIP		93,028,135	93,405,116	95,066,534	96,396,917	97,708,572	99,166,872	100,426,047	101,671,522	102,619,305	103,386,693	103,386,693	103,197,968	0
ADIT Federal Proration Factors		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000		1.0000	1.0000
Accumulated Deferred Income Taxes Federal & State		0	0	0	0	0	0	0	0	0	0	0	0	(104,090)
Accumulated Deferred Income Taxes Federal & State - No Proration	-	0	0	0	0	0	0	0	0	0	0	0	0	(104,090)
Ending rate base	-	93,028,135	93,405,116	95,066,534	96,396,917	97,708,572	99,166,872	100,426,047	101,671,522	102,619,305	103,386,693	103,386,693	103,197,968	103,324,291
							. =					0 2 / 0 0 /	0.00/	0 2100/
OTP Load Percentage		0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%
Remove Non-OTP Load Portion	-	(92,367,349)	(92,741,652)	(94,391,269)	(95,712,202)	(97,014,541)	(98,462,482)	(99,712,713)	(100,949,341)	(101,890,393)	(102,652,329)	(102,652,329)		(102,590,370)
Retail Ending Rate Base		660,786	663,464	675,265	684,715	694,031	704,390	713,334	722,181	728,913	734,364	734,364	733,023	733,920
A		50 700	50 700	50 700	50 700	50 700	50 700	50 700	50 700	50 700	50 700	000 705	00.000	00.000
Average rate base		56,730	56,730	56,730	56,730	56,730	56,730	56,730	56,730	56,730	56,730	680,765	62,026	62,026
Return on Rate Base	F	4.414	4.414	4.414	4.414	4.414	4.414	4.414	4.342	4.255	4.255	52.574	4.394	4,394
Return on Rate base	F	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,342	4,255	4,255	52,574	4,394	4,394
Available for return (equity portion of rate base)	F	3.007	3.007	3.007	3,007	3,007	3.007	3,007	3,007	3,007	3,007	36,081	2.908	2,908
Available for return (equity portion of rate base)	-	3,007	3,007	3,007	3,007	3,007	3,007	3,007	3,007	3,007	3,007	30,001	2,900	2,900
EXPENSES														
O&M and Depreciation														
Operating Costs		0	0	0	0	0	0	0	0	0	0	0	0	0
Property Tax		59.981	59.981	59.981	59.981	59.981	59,981	59.981	59.981	59.981	59.981	719,767	71.435	71,435
Book Depreciation		03,301	03,301	00,001	03,301	00,001	03,301	00,001	00,001	03,301	00,001	113,101	11,400	0
Total O&M and Depreciation Expense	F	59.981	59.981	59.981	59.981	59.981	59.981	59.981	59.981	59.981	59.981	719,767	71.435	71.435
Total odivi and Depreciation Expense	-	55,501	55,501	55,501	55,501	55,501	55,501	55,501	55,501	55,501	55,501	113,101	71,400	71,400
OTP Load Percentage		0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%
Remove Non-OTP Load Portion		(59,555)	(59,555)	(59,555)	(59,555)	(59,555)	(59,555)	(59,555)	(59,555)	(59,555)	(59,555)	(714.655)	(70.927)	(70,927)
Retail O&M and Depreciation Expenses	-	426	426	426	426	426	426	426	426	426	426	5.113	507	507
Income before Taxes														
Available for return (from above)		3,007	3,007	3,007	3,007	3,007	3,007	3,007	3,007	3,007	3,007	36,081	2,908	2,908
Taxable Income (grossed up)	F	3,806	3,806	3,806	3,806	3,806	3,806	3,806	3,806	3,806	3,806	45,672	3,681	3,681
0 17														
Income Taxes														
Current and Def Income Taxes		799	799	799	799	799	799	799	799	799	799	9,591	773	773
Total Income Tax Expense		799	799	799	799	799	799	799	799	799	799	9,591	773	773
REVENUE REQUIRMENTS														
Expenses		1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	729,358	1,280	1,280
Return on rate base	L	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,342	4,255	4,255	52,574	4,394	4,394
Subtotal revenue requirements		5,639	5,639	5,639	5,639	5,639	5,639	5,639	5,567	5,480	5,480	781,932	5,674	5,674
Adjustments														
Transmission Revenue	L	0	0	0	0	0	0	0	0	0	0	0	0	0
Total revenue requirements	L	5,639	5,639	5,639	5,639	5,639	5,639	5,639	5,567	5,480	5,480	781,932	5,674	5,674
South Dakota share - D2 factor	F	554	554	554	554	554	554	554	531	503	503	6,519	521	521
Gross Receipts Tax		1	1	1	1	1	1	1	1	1	1	10	1	1
Total South Dakota Share		554	554	554	554	554	554	554	531	504	504	6.529	522	522



Otter Tail Power Company South Dakota Transmission Cost Recovery Rider BSAT - Ellendale MVP Revenue Requirements

	Year>>	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2020	2020
ie in the second se		Actual	Actual	Actual	Actual	Projected	Projected	Projected						
		March	April	May	June	July	August	September	October	November	December	Total	January	February
RATE BASE Plant Balance	1	105.320.468	105.343.074	105.528.843	105.635.492	106.320.750	106.967.876	106.985.094	107.006.562	106.996.562	109.046.628	109.046.628	109.046.628	109.046.628
Accumulated Depreciation		(148,168)	(299.021)	(449.907)	(601.056)	(752.357)	(904,740)	(1.058.145)	(1.211.577)	(1.365.043)	(1.518.493)	(1.518.493)	(1.675.180)	(1.831.868
Net Plant in Service	ŀ	105,172,301	105,044,053	105,078,937	105,034,436	105,568,393	106,063,136	105,926,950	105,794,986	105,631,520	107,528,135	107,528,135	107,371,448	107,214,760
CWIP		100,172,001	100,044,000	100,070,007	00,004,400	00,000,000	100,000,100	000,020,000	000,704,000	100,001,020	107,020,100	0	0,071,071	107,214,700
ADIT Federal Proration Factors		1.0000	1.0000	1.0000	1.0000	0.5836	0.4986	0.4164	0.3315	0.2493	0.1644	0	0.0795	0.0027
Accumulated Deferred Income Taxes Federal & State		(179,854)	(255,053)	(330,246)	(405,384)	(449,212)	(486,662)	(517,939)	(542,837)	(561,562)	(793,258)	(793,258)	(1,724,136)	(1,724,554
Accumulated Deferred Income Taxes Federal & State - No Proration		(179.854)	(255,053)	(330,246)	(405,384)	(480,489)	(555,595)	(630,701)	(705,806)	(780,912)	(856,018)	(1.712.035)	(1.864.341)	(2.016.64
Ending rate base	l l	104,992,447	104,789,000	104,748,691	104,629,053	105,119,181	105,576,474	105,409,010	105,252,148	105,069,957	106,734,877	106,734,877	105,647,312	105,490,20
OTP Load Percentage		0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.7109
Remove Non-OTP Load Portion	_	(104,246,678)	(104,044,676)	(104,004,653)	(103,885,865)	(104,372,512)	(104,826,556)	(104,660,282)	(104,504,534)	(104,323,637)	(105,976,731)	(105,976,731)		(104,740,902
Retail Ending Rate Base		745,769	744,324	744,038	743,188	746,670	749,918	748,728	747,614	746,320	758,146	758,146	750,421	749,30
Average rate base		62,026	62,025.78	62,026	62,026	62,026	62,026	62,026	62,026	62,026	62,026	744,309	61,859	61,859
Return on Rate Base	ļ	1.001	1.00 *	1.001	1.001	1001	1001	1000	1.001	1001	1.001	FO 700	1.000	1.00
	-	4,394	4,394	4,394	4,394	4,394	4,394	4,394	4,394	4,394	4,394	52,723	4,382	4,38
	ŀ													
Available for return (equity portion of rate base)	ŀ	2,908	2,908	2,908	2,908	2,908	2,908	2,908	2,908	2,908	2,908	34,895	2,900	2,90
EXPENSES O&M and Depreciation	1													
Operating Costs		0	0	0	0	0	0	0	0	0	0	0	0	(
Property Tax		71.435	71,435	71.435	71.435	71.435	71,435	71,435	71.435	71,435	71,435	857,218	72,193	72,193
Book Depreciation		134.887	137.573	137.605	137.869	138.020	138.020	138.020	138.020	138.020	138.020	1.376.057	138.020	138,02
Total O&M and Depreciation Expense	F	206.322	209.008	209.040	209,304	209.455	209.455	209.455	209,455	209,455	209,455	2.233.275	210.214	210,21
	l l													
OTP Load Percentage		0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710%	0.710
Remove Non-OTP Load Portion		(204,856)	(207,523)	(207,555)	(207,817)	(207,967)	(207,967)	(207,967)	(207,967)	(207,967)	(207,967)	(2,217,411)	(208,720)	(208,720
Retail O&M and Depreciation Expenses		1,466	1,485	1,485	1,487	1,488	1,488	1,488	1,488	1,488	1,488	15,863	1,493	1,493
Income before Taxes														
Available for return (from above)		2,908	2,908	2,908	2,908	2,908	2,908	2,908	2,908	2,908	2,908	34,895	2,900	2,900
Taxable Income (grossed up)		3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	44,171	3,671	3,67
Income Taxes Current and Def Income Taxes		773	770	770	770	770	770	770	770	770	770	0.070	771	77'
	-	773	773	773	773	773	773	773	773	773	773	9,276 9,276	771	77
Total Income Tax Expense	ŀ	113	113	113	113	113	113	113	113	113	113	9,276	111	11
REVENUE REQUIRMENTS														
) Expenses	1	2,239	2,258	2,258	2,260	2,261	2,261	2,261	2,261	2,261	2,261	2,242,551	2,264	2,264
1 Return on rate base		4,394	4,394	4.394	4.394	4.394	4.394	4.394	4,394	4,394	4.394	52,723	4.382	4.38
2 Subtotal revenue requirements	F	6,632	6,651	6,651	6,653	6,654	6,654	6,654	6,654	6,654	6,654	2,295,274	6,646	6,646
3 Adjustments		.,	.,	.,	.,			.,	.,	.,	.,			.,=
4 Transmission Revenue		0	0	0	0	0	0	0	0	0	0	0	0	C
5 Total revenue requirements	ľ	6,632	6,651	6,651	6,653	6,654	6,654	6,654	6,654	6,654	6,654	2,295,274	6,646	6,646
3	Ī										-			
7 South Dakota share - D2 factor		609	611	611	611	611	611	611	611	611	611	7,154	611	61
\$	ſ	-			-	-			-					
Gross Receipts Tax		1	1	1	1	1	1	1	1	1	1	11	1	1
Total South Dakota Share		610	612	612	612	612	612	612	612	612	612	7,164	612	612
	l l		-	-										

Line														
No.														
	SUPPORTING INFORMATION / DATA	·												
1														
2		SD Cap Structure with	D Cap Structure with allowed ROE per order.											
3		Capital Structure		Ratio	Cost	WA Cost		Pre	operty tax					
4		Debt		46.42%	5.16%	2.40%			19 composite rate		0.84%			
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				Book	Tax									
10		Project life (years)		50 1	5-year MACRS									
11														
							SD Gross							
12						State Portion	Receipts Tax							
13 14			ory Tax Rate ersion factor	21.00% 1.26582	21.00%	0.00%	0.150%							
14			ion Revenue	0.00%										
16			e - D2 factor	9.1874%										
17		SD Sha	e = D2 lactor	9.107470										
18	Deferred Tax													
19	Book depreciation	134,887	137,573	137,605	137,869	138,020	138,020	138,020	138,020	138,020	138,020	1,376,057	138,020	138,020
20	Tax depreciation-Federal	495,666	495,666	495,666	495,666	495,666	495,666	495,666	495,666	495,666	495,666	5,452,331	863,286	863,286
	Tax depreciation-SD	495,666	495,666	495,666	495,666	495,666	495,666	495,666	495,666	495,666	495,666	5,452,331	863,286	863,286
	Federal deferred income taxes	(75,764)	(75,200)	(75,193)	(75,137)	(75,106)	(75,106)	(75,106)	(75,106)	(75,106)	(75,106)	(856,018)	(152,306)	(152,306)
23	State deferred income taxes	0	0	0	0	0	0	0	0	0	0	0	0	0