

**NORTH DAKOTA  
RATE CASE  
2017**

**Otter Tail Power Company**  
Before the  
North Dakota Public Service Commission

Application for Authority to  
Increase Electric Rates in North Dakota  
Case No. PU-17-  
November 2, 2017

**Volume 4A**  
Work Papers



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**Case No. PU-17-**

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A. 2018 Test Year Workpaper

1. Jurisdictional Cost of Service Study  
(JCOSS)

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

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NORTH DAKOTA

LINE NO	ITEM	ALLOC	REFERENCE	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	RATE BASE		Page 2-1 Line 32	1,113,263,610	354,191,795	759,071,815	1
2							2
3	TOTAL AVAILABLE FOR RETURN		Page 7-1 Line 43	68,233,817	18,454,393	49,779,424	3
4							4
5	RATE OF RETURN EARNED			6.13%	5.21%	6.56%	5
6							6
7	RATE OF RETURN REQUESTED		Page 17-1 Line 11		7.97%		7
8							8
9	OPERATING INCOME REQUIRED				28,229,086		9
10							10
11	TOTAL AVAILABLE FOR RETURN				18,454,393		11
12							12
13	OPERATING INCOME DEFICIENCY				9,774,693		13
14							14
15	INCREMENTAL TAXES	GRCF = 1.607756			5,940,627		15
16							16
17	REVENUE INCREASE REQUIRED				15,715,320		17
18							18
19	PERCENTAGE INCREASE				10.61%		19
20							20
21							21
22							22
23							23
24							24
25	RETURN ON EQUITY				5.05%		25
26							26
27							27
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

NORTH DAKOTA

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LINE NO	ITEM	ALLOC	REFERENCE	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	ELECTRIC PLANT IN SERVICE		Page 3-1 Line 52	2,022,557,141	758,395,145	1,264,161,996	1
2							2
3	ACCUMULATED DEPRECIATION		Page 4-12 Line 22	(765,351,839)	(304,752,303)	(460,599,536)	3
4							4
5	NET PLANT EXCLUDING BIG STONE PLANT CAPITALIZED ITEMS			1,257,205,303	453,642,842	803,562,460	5
6							6
7	NET CAPITALIZED ITEMS - BIG STONE PLANT		Page 4-1 Line 28	0	0	0	7
8							8
9	NET ELECTRIC PLANT IN SERVICE			1,257,205,303	453,642,842	803,562,460	9
10							10
11	PLANT HELD FOR FUTURE USE		Page 4-1 Line 47	29,657	13,044	16,613	11
12							12
13	CONSTRUCTION WORK IN PROGRESS		Page 5-1 Line 31	125,054,506	271,748	124,782,759	13
14							14
15	MATERIALS AND SUPPLIES		Page 5-1 Line 39	20,016,737	8,275,549	11,741,188	15
16							16
17	FUEL STOCKS		Page 5-1 Line 46	12,099,676	4,430,805	7,668,871	17
18							18
19	PREPAYMENTS		Page 5-1 Line 49	(36,579,505)	(13,199,141)	(23,380,363)	19
20							20
21	CUSTOMER ADVANCES		Page 5-1 Line 51	(1,013,988)	(365,882)	(648,107)	21
22							22
23	CASH WORKING CAPITAL		Page 5-1 Line 53	12,498,213	3,602,273	8,895,940	23
24							24
25	ACCUMULATED DEFERRED INCOME TAXES		Page 6-1 Line 16	(276,046,989)	(102,479,443)	(173,567,546)	25
26							26
27	UNAMORTIZED BALANCE - SPIRITWOOD		Page 6-1 Line 19	0	0	0	27
28							28
29	UNAMORTIZED RATE CASE EXPENSE		Page 6-1 Line 22	0	0	0	29
30							30
31	<b>TOTAL AVERAGE RATE BASE</b>			<b>1,113,263,610</b>	<b>354,191,795</b>	<b>759,071,815</b>	31
32							32
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

NORTH DAKOTA

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LINE NO.	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO.
1	<b>PLANT IN SERVICE</b>						1
2	A/C 101 & 106 - Direct MN	Direct MN		3,520,019	0	3,520,019	2
3	A/C 101 & 106 - Direct ND	Direct ND		471,573	471,573	0	3
4	A/C 101 & 106 - Direct SD	Direct SD		1,146,073	0	1,146,073	4
5	<b>Subtotal A/C 101 &amp; 106 - Direct Assigned</b>			<b>5,137,665</b>	<b>471,573</b>	<b>4,666,092</b>	5
6							6
7	<b>PRODUCTION PLANT</b>						7
8	A/C 101 & 106 - BASE DEMAND	E1		509,388,465	181,639,306	327,749,159	8
9	PEAK DEMAND	D1		175,806,964	70,042,290	105,764,674	9
10	BASE ENERGY	E2		207,006,166	77,787,414	129,218,751	10
11							11
12	<b>SUBTOTAL A/C 101 &amp; 106</b>			<b>897,339,260</b>	<b>329,940,583</b>	<b>567,398,676</b>	12
13							13
14	A/C 114 - BASE DEMAND	E1		1,298,081	462,874	835,207	14
15	PEAK DEMAND	D1		290,174	115,607	174,567	15
16	BASE ENERGY	E1		0	0	0	16
17							17
18	<b>SUBTOTAL A/C 114</b>			<b>1,588,255</b>	<b>578,480</b>	<b>1,009,774</b>	18
19							19
20	<b>TOTAL PRODUCTION PLANT</b>	P10	310-317, 330-335, 340-347	<b>898,927,514</b>	<b>330,519,064</b>	<b>568,408,451</b>	20
21							21
22	<b>TRANSMISSION PLANT</b>						22
23							23
24	A/C 101 & 106	D2		388,404,278	153,803,850	234,600,428	24
25	A/C 101 & 106 (Direct FERC)	Direct FERC		126,520,627	0	126,520,627	25
26	A/C 114	D2		58,287	23,081	35,206	26
27							27
28	<b>TOTAL TRANSMISSION PLANT</b>		350-350.1, 353-356, 358	<b>514,983,192</b>	<b>153,826,931</b>	<b>361,156,261</b>	28
29							29
30	<b>DISTRIBUTION PLANT</b>						30
31							31
32	PRIMARY DEMAND	D3	360, 362, 364-365, 367	186,296,581	85,455,191	100,841,391	32
33	SECONDARY DEMAND	D4	365, 367-369.1	102,024,443	48,993,034	53,031,409	33
34	PRIMARY CUSTOMER	C2	364-365, 367	78,110,165	34,970,609	43,139,556	34
35	SECONDARY CUSTOMER	C3	365, 367-369.1, 370.2	74,280,016	33,265,375	41,014,641	35
36	STREETLIGHTING	C4	364-365, 367, 373	13,953,157	6,080,955	7,872,203	36
37	AREA LIGHTING	C5	364-365, 367, 371.2	8,020,685	4,151,739	3,868,946	37
38	METERS	C6	370	26,594,087	11,882,166	14,711,920	38
39	LOAD MANAGEMENT	C9	370.1	8,713,737	3,794,879	4,918,858	39
40							40
41	<b>TOTAL DISTRIBUTION PLANT</b>	P60		<b>497,992,871</b>	<b>228,593,947</b>	<b>269,398,924</b>	41
42							42
43							43
44	<b>GENERAL PLANT</b>						44
45	PRODUCTION	P10		33,683,326	12,384,738	21,298,589	45
46	TRANSMISSION	D2		13,030,498	5,159,935	7,870,563	46
47	DISTRIBUTION	P60		21,099,100	9,685,132	11,413,968	47
48	CUSTOMER ACCOUNTS	OXI		16,779,859	7,380,245	9,399,614	48
49	CUSTOMER SERVICE & INFO	OXI		3,709,137	1,655,501	2,053,636	49
50	LOAD MANAGEMENT	C9	397.3	317,859	138,429	179,429	50
51							51
52	<b>TOTAL GENERAL PLANT</b>	P90	389-398, 390.1-390.3, 391.1-391.6, 394.2, 397.1-397.2	<b>88,619,779</b>	<b>36,403,979</b>	<b>52,215,800</b>	52
53							53
54							54
55	<b>INTANGIBLE PLANT</b>	P90	302-303	<b>22,033,785</b>	<b>9,051,224</b>	<b>12,982,561</b>	55
56							56
57							57
58	<b>TOTAL PLANT IN SERVICE</b>	EPIS		<b>2,022,557,141</b>	<b>758,395,145</b>	<b>1,264,161,996</b>	58
59							59
60							60
61							61
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63							63
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66							66

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

NORTH DAKOTA

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LINE NO	ITEM	ALLOC	FERC ACCOUNTS		TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	ACCUMULATED DEPRECIATION							1
2	PRODUCTION PLANT							2
3	BASE DEMAND	E1	108, 115		(235,510,776)	(83,979,157)	(151,531,619)	3
4	PEAK DEMAND	D1	108, 115		(75,406,125)	(30,042,142)	(45,363,984)	4
5	BASE ENERGY	E2	108		(76,067,042)	(28,583,972)	(47,483,070)	5
6								6
7	<b>TOTAL PRODUCTION PLANT</b>				<b>(386,983,943)</b>	<b>(142,605,271)</b>	<b>(244,378,672)</b>	7
8								8
9								9
10	TRANSMISSION PLANT	D2	108, 115		(122,102,619)	(48,351,303)	(73,751,316)	10
11	TRANSMISSION PLANT (Direct FERC)	Direct FERC			(4,418,753)	0	(4,418,753)	11
12	<b>TOTAL TRANSMISSION PLANT</b>				<b>(126,521,372)</b>	<b>(48,351,303)</b>	<b>(78,170,069)</b>	12
13								13
14								14
15	DISTRIBUTION PLANT	P60	108, 115		(214,337,362)	(98,387,400)	(115,949,962)	15
16								16
17								17
18	GENERAL PLANT	P90	108		(34,142,419)	(14,025,311)	(20,117,109)	18
19								19
20								20
21	INTANGIBLE PLANT	P90	108		(3,366,743)	(1,383,019)	(1,983,724)	21
22								22
23								23
24	<b>TOTAL ACCUMULATED DEPRECIATION</b>				<b>(765,351,839)</b>	<b>(304,752,303)</b>	<b>(460,599,536)</b>	24
25								25
26								26
27	NET PLANT EXCLUDING BSP CAPITALIZED ITEMS				1,257,205,303	453,642,842	803,562,460	27
28								28
29								29
30	BSP CAPITALIZED ITEMS	P10		DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	30
31								31
32								32
33	<b>TOTAL NET PLANT IN SERVICE</b>	NEPIS			<b>1,257,205,303</b>	<b>453,642,842</b>	<b>803,562,460</b>	33
34								34
35								35
36								36
37								37
38								38
39								39
40								40
41								41
42	PLANT HELD FOR FUTURE USE							42
43	PRODUCTION PLANT	P10			0	0	0	43
44	TRANSMISSION PLANT	D2			9,038	3,579	5,459	44
45	DISTRIBUTION PLANT	P60			20,619	9,465	11,154	45
46	GENERAL PLANT	P90			0	0	0	46
47	INTANGIBLE PLANT	P90			0	0	0	47
48								48
49	<b>TOTAL PLANT HELD FOR FUTURE USE</b>		105		<b>29,657</b>	<b>13,044</b>	<b>16,613</b>	49
50								50
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

NORTH DAKOTA

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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<u>CONST WORK-IN-PROGRESS - Direct Assigned</u>						1
2	PRODUCTION PLANT - Direct MN	P10	Directly Assigned to Jurisdiction	0	0	0	2
3	PRODUCTION PLANT - Direct ND	P10	Directly Assigned to Jurisdiction	0	0	0	3
4	PRODUCTION PLANT - Direct SD	P10	Directly Assigned to Jurisdiction	0	0	0	4
5	PRODUCTION PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	0	0	0	5
6	TRANSMISSION PLANT - Direct MN	D2	Directly Assigned to Jurisdiction	0	0	0	6
7	TRANSMISSION PLANT - Direct ND	D2	Directly Assigned to Jurisdiction	0	0	0	7
8	TRANSMISSION PLANT - Direct SD	D2	Directly Assigned to Jurisdiction	0	0	0	8
9	TRANSMISSION PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	95,776,331	0	95,776,331	9
10	DISTRIBUTION PLANT - Direct MN	P60	Directly Assigned to Jurisdiction	0	0	0	10
11	DISTRIBUTION PLANT - Direct ND	P60	Directly Assigned to Jurisdiction	0	0	0	11
12	DISTRIBUTION PLANT - Direct SD	P60	Directly Assigned to Jurisdiction	0	0	0	12
13	DISTRIBUTION PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	0	0	0	13
14	GENERAL PLANT - Direct MN	P90	Directly Assigned to Jurisdiction	0	0	0	14
15	GENERAL PLANT - Direct ND	P90	Directly Assigned to Jurisdiction	0	0	0	15
16	GENERAL PLANT - Direct SD	P90	Directly Assigned to Jurisdiction	0	0	0	16
17	GENERAL PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	0	0	0	17
18	INTANGIBLE PLANT - Direct MN	P90	Directly Assigned to Jurisdiction	0	0	0	18
19	INTANGIBLE PLANT - Direct ND	P90	Directly Assigned to Jurisdiction	0	0	0	19
20	INTANGIBLE PLANT - Direct SD	P90	Directly Assigned to Jurisdiction	0	0	0	20
21	INTANGIBLE PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	0	0	0	21
22	<b>TOTAL CWIP - Direct Assigned</b>		ALLOWED ONLY IN MN & FERC	95,776,331	0	95,776,331	22
23							23
24							24
25	<u>CONST WORK-IN-PROGRESS - SHORT TERM</u>						25
26	PRODUCTION PLANT	P10		0	0	0	26
27	TRANSMISSION PLANT	D2		686,250	271,748	414,502	27
28	DISTRIBUTION PLANT	P60		0	0	0	28
29	GENERAL PLANT	P90		0	0	0	29
30	INTANGIBLE PLANT	P90		0	0	0	30
31							31
32	<b>TOTAL CWIP - SHORT TERM</b>		ALLOWED ONLY IN MN, ND & FERC	686,250	271,748	414,502	32
33							33
34							34
35	<u>CONST WORK-IN-PROGRESS - LONG TERM</u>						35
36	PRODUCTION PLANT (AFUDC Projects)	P10		14,041,071	0	14,041,071	36
37	PRODUCTION PLANT (Rider Projects)	P10		0	0	0	37
38	TRANSMISSION PLANT (AFUDC Projects)	D2		5,855,294	0	5,855,294	38
39	TRANSMISSION PLANT (Rider Projects)	D2		0	0	0	39
40	DISTRIBUTION PLANT	P60		1,149,148	0	1,149,148	40
41	GENERAL PLANT	P90		1,603,969	0	1,603,969	41
42	INTANGIBLE PLANT	P90		5,942,443	0	5,942,443	42
43							43
44	<b>TOTAL CWIP - LONG TERM - AFUDC Projects</b>		ALLOWED ONLY IN MN & FERC	28,591,925	0	28,591,925	44
45	<b>TOTAL CWIP - LONG TERM - Rider Projects</b>			0	0	0	45
46							46
47	<b>TOTAL CONSTRUCTION WORK-IN-PROGRESS</b>		107	125,064,506	271,748	124,782,759	47
48							48
49							49
50							50
51	<u>MATERIALS &amp; SUPPLIES</u>						51
52	PRODUCTION	P10		6,230,432	2,290,815	3,939,617	52
53	TRANSMISSION	D2		5,450,400	2,158,299	3,292,101	53
54	DISTRIBUTION	P60		8,335,905	3,826,435	4,509,470	54
55							55
56	<b>TOTAL MATERIALS AND SUPPLIES</b>		154, 158.1	20,016,737	8,275,549	11,741,188	56
57							57
58							58
59	<u>FUEL STOCKS</u>						59
60	COAL STOCKS	E1		9,319,627	3,323,221	5,996,406	60
61	FUEL OIL STOCKS	D1		2,780,049	1,107,584	1,672,465	61
62							62
63	<b>TOTAL FUEL STOCKS</b>		1510	12,099,676	4,430,805	7,668,871	63
64							64
65							65
66	PREPAYMENTS	NEPIS	128, 228.3	(36,579,505)	(13,199,141)	(23,380,363)	66
67							67
68	CUSTOMER ADVANCES	NEPIS	235, 253	(1,013,988)	(365,882)	(648,107)	68
69							69
70	CASH WORKING CAPITAL	OX	SEPARATELY CALCULATED BY JURISDI	12,498,213	3,602,273	8,895,940	70
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72							72
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

NORTH DAKOTA

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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1							1
2	<b>ACCUMULATED DEFERRED INCOME TAXES</b>						2
3	<b>ITEMS SD FLOWS THROUGH</b>						3
4	FEDERAL	NPMNR		435,531	171,680	263,851	4
5	MINNESOTA	NPISM		72,069	0	72,069	5
6	NORTH DAKOTA	NPISM		35,772	35,772	0	6
7	<b>SUBTOTAL</b>			<b>543,371</b>	<b>207,452</b>	<b>335,919</b>	7
8							8
9	<b>ALL OTHER</b>						9
10	FEDERAL	NEPIS		(182,655,956)	(65,908,541)	(116,747,415)	10
11	FEDERAL (Direct FERC)	Direct FERC		(23,906,999)	0	(23,906,999)	11
12	MINNESOTA	NPISM		(33,249,051)	0	(33,249,051)	12
13	NORTH DAKOTA	NPISM		(36,778,353)	(36,778,353)	0	13
14	<b>SUBTOTAL</b>			<b>(276,590,359)</b>	<b>(102,686,895)</b>	<b>(173,903,465)</b>	14
15							15
16	<b>TOTAL ACCUMULATED DEFERRED INCOME TAXES</b>		190, 255, 281-283	<b>(276,046,989)</b>	<b>(102,479,443)</b>	<b>(173,567,546)</b>	16
17							17
18							18
19							19
20	UNAMORTIZED BALANCE - SPIRITWOOD PL	P10		0	0	0	20
21							21
22							22
23	UNAMORTIZED RATE CASE EXPENSES	R10		0	0	0	23
24							24
25							25
26							26
27							27
28	<b>TOTAL AVERAGE RATE BASE</b>			<b>1,113,263,610</b>	<b>354,191,795</b>	<b>759,071,815</b>	28
29							29
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OTTER TAIL POWER COMPANY  
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NORTH DAKOTA

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LINE NO	ITEM	ALLOC	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	OPERATING REVENUES					1
2	SALES OF ELECTRICITY		390,050,953	148,071,951	241,979,002	2
3	OTHER OPERATING REVENUE		58,232,545	10,047,294	48,185,251	3
4						4
5	<b>TOTAL OPERATING REVENUE</b>		<b>448,283,498</b>	<b>158,119,244</b>	<b>290,164,253</b>	5
6						6
7						7
8	OPERATING EXPENSES					8
9	PRODUCTION EXPENSES		160,950,946	59,756,799	101,194,148	9
10	TRANSMISSION EXPENSES		35,311,843	13,507,453	21,804,390	10
11	DISTRIBUTION EXPENSES		16,917,384	7,680,921	9,236,463	11
12	CUSTOMER ACCOUNTING EXPENSES		13,849,926	6,091,579	7,758,346	12
13	CUSTOMER SERVICE AND INFORMATION EXPENSES		11,097,740	1,382,509	9,715,231	13
14	SALES EXPENSES		473,627	222,472	251,155	14
15	ADMINISTRATIVE AND GENERAL EXPENSES		49,883,144	19,596,616	30,286,529	15
16	CHARITABLE CONTRIBUTIONS		0	0	0	16
17	DEPRECIATION EXPENSE		56,042,616	21,425,301	34,617,314	17
18	AMORTIZATION OF BIG STONE PLANT CAPITALIZED COSTS		0	0	0	18
19	SPIRITWOOD AMORTIZATION		0	0	0	19
20	GENERAL TAXES		15,375,197	4,905,891	10,469,306	20
21						21
22	<b>TOTAL OPERATING EXPENSES</b>		<b>359,902,423</b>	<b>134,569,541</b>	<b>225,332,882</b>	22
23						23
24				0		24
25	<b>NET OPERATING INCOME BEFORE INCOME TAXES</b>		<b>88,381,075</b>	<b>23,549,703</b>	<b>64,831,371</b>	25
26						26
27						27
28	INCOME TAX EXPENSE					28
29	INVESTMENT TAX CREDIT		(1,403,336)	(526,207)	(877,129)	29
30	DEFERRED INCOME TAXES		2,595,680	1,317,383	1,278,296	30
31	INCOME TAXES		20,982,489	4,304,134	16,678,355	31
32						32
33	<b>TOTAL INCOME TAX EXPENSE</b>		<b>22,174,832</b>	<b>5,095,310</b>	<b>17,079,522</b>	33
34						34
35						35
36						36
37	<b>NET OPERATING INCOME</b>		<b>66,206,242</b>	<b>18,454,393</b>	<b>47,751,850</b>	37
38						38
39						39
40	Allowance for Funds Used During Construction		2,027,574	0	2,027,574	40
41	Allowance for Funds Used During Construction - MN Only		0	0	0	41
42	Allowance for Funds Used During Construction - SD Only		0	0	0	42
43	<b>TOTAL ALLOWANCE FOR FUNDS USED DURING CONSTRUCTION</b>		<b>2,027,574</b>	<b>0</b>	<b>2,027,574</b>	43
44						44
45				0		45
46	<b>TOTAL AVAILABLE FOR RETURN</b>		<b>68,233,817</b>	<b>18,454,393</b>	<b>49,779,424</b>	46
47						47
48						48
49						49
50						50
51	AVERAGE CENTS PER KWH					51
52						52
53						53
54						54
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OTTER TAIL POWER COMPANY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS		TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	OPERATING REVENUES							1
2								2
3	SALES OF ELECTRICITY	R10	440,442,444-445	108,115	390,050,953	148,071,951	241,979,002	3
4								4
5								5
6	OTHER OPERATING REVENUES							6
7	SALES FOR RESALE							7
8	MUNICIPALITIES & OFF SYSTEM SALES			DIRECTLY ASSIGNED TO FERC JURISDICTION	198,999	0	198,999	8
9	NON-ASSOCIATED UTILITIES, CO-OPS & OPA							9
10	BUY SELL TRANSACTIONS	D2			0	0	0	10
11	ALL OTHER TRANSACTIONS							11
12	BASE DEMAND	E1			0	0	0	12
13	PEAK DEMAND	D1			0	0	0	13
14	BASE ENERGY	E2			15,026	5,646	9,380	14
15	PEAK ENERGY	D1			0	0	0	15
16								16
17	TOTAL ALL OTHER TRANSACTIONS				15,026	5,646	9,380	17
18								18
19	TOTAL SALES FOR RESALE				214,025	5,646	208,378	19
20								20
21								21
22	OTHER ELECTRIC REVENUES							22
23	LATE FEES	C1	450	DIRECTLY ASSIGNED TO JURISDICTION	705,671	277,669	428,002	23
24	CONNECTION FEES	C1	451	DIRECTLY ASSIGNED TO JURISDICTION	353,894	135,015	218,879	24
25	RENT FROM ELECTRIC PROPERTY	NEPIS	454		568,008	204,957	363,051	25
26	RENT FROM ELECTRIC PROPERTY - BIG	NEPIS	454		11,825	4,267	7,558	26
27	RENT FROM ELECTRIC PROPERTY - COY	NEPIS	454		9,800	3,536	6,264	27
28	OTHER MISC ELECTRIC REVENUE	NEPIS	456		2,576,976	929,862	1,647,115	28
29	OTHER MISC ELECTRIC REVENUE - MN	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	29
30	OTHER MISC ELECTRIC REVENUE - ND	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	30
31	OTHER MISC ELECTRIC REVENUE - SD	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	31
32	ITA DEFICIENCY PAYMENTS	NEPIS	456		1,773,638	639,990	1,133,648	32
33		NEPIS			0	0	0	33
34	MISCELLANEOUS SERVICES	NEPIS			28,101	10,140	17,961	34
35	WHEELING		456	DIRECTLY ASSIGNED TO FERC JURISDICTION	439,772	0	439,772	35
36	LOAD CONTROL AND DISPATCH	NEPIS	456		21,716,925	7,836,212	13,880,713	36
37	LOAD CONTROL AND DISPATCH (Direct FERC)	NEPIS	456	DIRECTLY ASSIGNED TO FERC JURISDICTION	29,831,233	0	29,831,233	37
38	RESIDENTIAL CONSERVATION SERVICES	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	2,676	0	2,676	38
39								39
40	TOTAL OTHER ELECTRIC REVENUES				58,018,520	10,041,647	47,976,873	40
41								41
42	TOTAL OTHER OPERATING REVENUES				58,232,545	10,047,294	48,185,251	42
43								43
44						0		44
45	TOTAL OPERATING REVENUES				448,283,498	158,119,244	290,164,253	45
46								46
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<b>OPERATING EXPENSES</b>						1
2	<b>PRODUCTION EXPENSES</b>						2
3	PRGD EXPENSES EXCLUDING PURCHASED POWER						3
4	BASE DEMAND	E1	500, 502, 505-507, 509-511, 535, 537-543, 546, 548-554, 556-557	16,232,658	5,788,291	10,444,367	4
5	PEAK DEMAND	D1	500, 502, 506-507, 509-511, 535, 537-543, 546, 548-554, 556-557	4,298,595	1,712,580	2,586,015	5
6	BASE ENERGY	E2	501, 512-514, 544-546, 548-554	68,387,382	25,698,160	42,689,221	6
7	PEAK ENERGY	D1	547	508,600	202,629	305,971	7
8	BASE DEMAND (Direct MN)			1,032,569	0	1,032,569	8
9	PEAK DEMAND (Direct MN)			230,821	0	230,821	9
10							10
11	<b>TOTAL EXCLUDING PURCHASED POWER</b>			90,690,624	33,401,659	57,288,965	11
12					0		12
13					0		13
14	<b>PURCHASED POWER</b>						14
15	BUY SELL TRANSACTIONS	D2		0	0	0	15
16	ALL OTHER TRANSACTIONS				0		16
17	BASE DEMAND	E1	555	2,439,877	870,019	1,569,858	17
18	PEAK DEMAND	D1		0	0	0	18
19	BASE ENERGY	E2	555	67,820,445	25,485,120	42,335,325	19
20	PEAK ENERGY	D1		0	0	0	20
21							21
22	<b>TOTAL ALL OTHER TRANSACTIONS</b>			70,260,322	26,355,139	43,905,183	22
23							23
24	<b>TOTAL PURCHASED POWER</b>			70,260,322	26,355,139	43,905,183	24
25							25
26	<b>TOTAL PRODUCTION EXPENSES</b>			160,950,946	59,756,799	101,194,148	26
27							27
28							28
29	TRANSMISSION EXPENSES	D2	560, 561.1-561.2, 561.4-561.6, 562-563, 565-568, 569.1-569.3, 570-572	34,110,670	13,507,453	20,603,218	29
30	TRANSMISSION EXPENSES (Direct MN)			1,184,949	0	1,184,949	30
31	TRANSMISSION EXPENSES (Direct FERC)	Direct FERC		16,223	0	16,223	31
32	<b>TOTAL TRANSMISSION EXPENSES</b>			35,311,843	13,507,453	21,804,390	32
33							33
34							34
35	<b>DISTRIBUTION EXPENSES</b>						35
36	PRIMARY DEMAND	D3	580-584, 588-590, 592-594, 598	5,246,930	2,406,793	2,840,136	36
37	SECONDARY DEMAND	D4	580-581, 583-584, 588, 590, 593-595, 598	1,880,361	902,966	977,395	37
38	PRIMARY CUSTOMER	C2	580-581, 583-584, 588-590, 593-594, 598	3,090,357	1,383,580	1,706,777	38
39	SECONDARY CUSTOMER	C3	580-581, 583-584, 587-588, 590, 593-595, 598	2,200,175	985,321	1,214,854	39
40	STREETLIGHTING	C4	580-581, 583-585, 588-590, 593-594, 596, 598	1,662,551	724,560	937,991	40
41	AREA LIGHTING	C5	580-581, 583-584, 588-590, 593-594, 598	143,049	74,046	69,003	41
42	METERS	C6	580-581, 586, 588, 597-598	2,693,960	1,203,654	1,490,306	42
43	LOAD MANAGEMENT	C9		0	0	0	43
44							44
45	<b>TOTAL DISTRIBUTION</b>	OXD		16,917,384	7,680,921	9,236,463	45
46							46
47							47
48	<b>CUSTOMER ACCOUNTING EXPENSES</b>						48
49	METER READING	C7	901-902	5,356,450	2,289,472	3,066,978	49
50	OTHER	C8	901, 903-905	8,493,476	3,802,108	4,691,368	50
51							51
52	<b>TOTAL CUSTOMER ACCOUNTS</b>	OXC		13,849,926	6,091,579	7,758,346	52
53							53
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS		TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<u>CUSTOMER SERVICE &amp; INFORMATION EXPENSE</u>							1
2	CONSERVATION & PROMOTIONAL REBATE	C1	908	DIRECTLY ASSIGNED TO JURISDICTION	8,000,238	0	8,000,238	2
3	OTHER	C1	907-910		3,097,502	1,382,509	1,714,992	3
4								4
5	<b>TOTAL CUSTOMER SERV &amp; INFORMATION</b>	OXI			11,097,740	1,382,509	9,715,231	5
6								6
7								7
8	<u>SALES EXPENSES</u>							8
9	OFF-PEAK DEVELOPMENT	C1	912	DIRECTLY ASSIGNED TO JURISDICTION	423,279	200,000	223,279	9
10	OTHER	C1	912-913, 916		50,347	22,472	27,876	10
11								11
12	<b>TOTAL SALES EXPENSES</b>				473,627	222,472	251,155	12
13								13
14								14
15	<u>ADMINISTRATIVE &amp; GENERAL EXPENSES</u>							15
16	SALARIES, SUPPLIES, PENSIONS & BENEFITS							16
17	PRODUCTION	OXPD			14,499,338	5,283,691	9,215,647	17
18	TRANSMISSION	D2			5,609,114	2,221,148	3,387,966	18
19	DISTRIBUTION	OXD			9,082,327	4,123,607	4,958,721	19
20	CUSTOMER ACCOUNTS	OXC			7,223,065	3,176,903	4,046,162	20
21	CUSTOMER SERVICE & INFO	C1			1,596,637	712,628	884,009	21
22								22
23	<b>TOTAL SALARIES, SUPPLIES, PENSIONS, AND BENEF</b>		920-922, 926		38,010,481	15,517,977	22,492,504	23
24								24
25	LOAD MANAGEMENT EXPENSES	C9			0	0	0	25
26								26
27	OUTSIDE SERVICES	NEPIS	923		1,329,645	479,782	849,864	27
28								28
29	PROPERTY INSURANCE	NEPIS	924		2,226,894	803,540	1,423,354	29
30								30
31	INJURIES & DAMAGES	NEPIS	925		2,184,840	788,365	1,396,475	31
32								32
33	REGULATORY COMMISSION EXPENSE	R10	928	DIRECTLY ASSIGNED TO JURISDICTION	2,329,732	444,626	1,885,106	33
34								34
35	GENERAL ADVERTISING	C1	930.1		19,489	8,698	10,790	35
36								36
37	MISCELLANEOUS, RENTS, MAINTENANCE	P90	930.2, 931, 935		3,782,064	1,553,628	2,228,436	37
38								38
39	<b>TOTAL ADMINISTRATIVE &amp; GENERAL EXP</b>				49,883,144	19,596,616	30,286,529	39
40								40
41								41
42	CHARITABLE CONTRIBUTIONS	C1	426.1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	42
43								43
44						0		44
45								45
46	<b>TOTAL O &amp; M EXPENSES</b>				288,484,610	108,238,348	180,246,261	46
47								47
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	DEPRECIATION EXPENSE						1
2	PRODUCTION						2
3	BASE DEMAND	E1		14,473,420	5,160,977	9,312,444	3
4	PEAK DEMAND	D1		5,798,852	2,310,289	3,488,563	4
5	BASE ENERGY	E2		8,567,467	3,219,426	5,348,040	5
6							6
7	TOTAL PRODUCTION			28,839,739	10,690,692	18,149,047	7
8							8
9							9
10	TRANSMISSION	D2		6,852,461	2,713,500	4,138,961	10
11	TRANSMISSION (Direct FERC)	Direct FERC		2,202,087	0	2,202,087	11
12	TOTAL TRANSMISSION			9,054,548	2,713,500	6,341,048	12
13							13
14							14
15	DISTRIBUTION	P60		11,732,197	5,385,437	6,346,760	15
16							16
17							17
18	GENERAL	P90		2,285,868	939,007	1,346,859	18
19							19
20							20
21	INTANGIBLE	P90		4,130,265	1,696,665	2,433,600	21
22							22
23							23
24	TOTAL DEPRECIATION EXPENSE		403	56,042,616	21,425,301	34,617,314	24
25							25
26							26
27							27
28							28
29							29
30							30
31	BIG STONE EXPENSE OFFSETS	P10		0	0	0	31
32							32
33							33
34	SPIRITWOOD AMORTIZATION	P10	406	0	0	0	34
35							35
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	GENERAL TAXES	NEPIS		13,595,968	4,905,891	8,690,075	1
2	GENERAL TAXES (Direct FERC)	Direct FERC		1,779,231	0	1,779,231	2
3	<b>TOTAL GENERAL TAXES</b>		408.1	<b>15,375,197</b>	<b>4,905,891</b>	<b>10,469,306</b>	3
4							4
5	NET OPERATING INCOME BEFORE TAX (NOIBT)			88,381,075	23,549,703	64,831,371	5
6							6
7	INVESTMENT TAX CREDIT						7
8	AMORTIZE PRIOR YEARS CREDIT	EPIS		(1,403,336)	(526,207)	(877,129)	8
9	DEBITS UTILIZED	EPIS		0	0	0	9
10							10
11	<b>TOTAL INVESTMENT TAX CREDIT</b>		411.4	<b>(1,403,336)</b>	<b>(526,207)</b>	<b>(877,129)</b>	11
12							12
13	DEFERRED INCOME TAXES						13
14	ITEMS SOUTH DAKOTA FLOWS THROUGH						14
15	FEDERAL	NPMNR		0	0	0	15
16	MINNESOTA	NPISM		0	0	0	16
17	NORTH DAKOTA	NPISN		0	0	0	17
18							18
19	<b>SUBTOTAL</b>			<b>0</b>	<b>0</b>	<b>0</b>	19
20							20
21	ALL OTHER						21
22							22
23	FEDERAL- transfer from Current Income Taxes - NOL	NEPIS		0	0	0	23
24	FEDERAL (NEPIS)			(403,737)	(145,682)	(258,055)	24
25	FEDERAL			(403,737)	(145,682)	(258,055)	25
26							26
27	MINNESOTA- transfer from Current Income Taxes - NOL	NPISM		0	0	0	27
28	MINNESOTA (NPISM)			1,533,416	0	1,533,416	28
29	MINNESOTA			1,533,416	0	1,533,416	29
30							30
31	NORTH DAKOTA- transfer from Current Income Taxes - NOL	NPISN		573,268	569,032	4,236	31
32	NORTH DAKOTA (NPISN)			894,033	894,033	0	32
33	NORTH DAKOTA			1,466,000	1,463,065	2,935	33
34							34
35	<b>SUBTOTAL</b>			<b>2,595,680</b>	<b>1,317,383</b>	<b>1,278,296</b>	35
36							36
37	<b>TOTAL DEFERRED INCOME TAXES</b>		410.1-410.2, 411.1-411.2	<b>2,595,680</b>	<b>1,317,383</b>	<b>1,278,296</b>	37
38							38
39							39
40	CURRENT INCOME TAXES						40
41	FEDERAL- transfer to Deferred Income Taxes - NOL			0	0	0	41
42	FEDERAL CURRENT INCOME TAX			18,416,239	4,304,134	14,112,106	42
43	FEDERAL INCOME TAXES			18,416,239	4,304,134	14,112,106	43
44							44
45	MINNESOTA- transfer to Deferred Income Taxes - NOL			0	0	0	45
46	MINNESOTA CURRENT INCOME TAX			2,566,249	0	2,566,249	46
47	MINNESOTA INCOME TAXES			2,566,249	0	2,566,249	47
48							48
49	NORTH DAKOTA - transfer to Deferred Income Taxes - NOL			(573,268)	(569,032)	(4,236)	49
50	NORTH DAKOTA CURRENT INCOME TAX			573,269	569,032	4,236	50
51	NORTH DAKOTA INCOME TAXES			0	0	(0)	51
52							52
53	<b>TOTAL CURRENT INCOME TAXES</b>		409.1	<b>20,982,469</b>	<b>4,304,134</b>	<b>16,678,355</b>	53
54							54
55	<b>TOTAL INCOME TAXES</b>			<b>22,174,832</b>	<b>5,095,310</b>	<b>17,079,522</b>	55
56							56
57							57
58	<b>NET OPERATING INCOME</b>			<b>66,206,242</b>	<b>18,454,393</b>	<b>47,751,850</b>	58
59							59
60	AFDC	CWIPLT		2,027,574	0	2,027,574	60
61	AFDC - MN Only	CWIPLT		0	0	0	61
62	AFDC - SD Only	CWIPLT		0	0	0	62
63	<b>Total AFDC</b>		419.1	<b>2,027,574</b>	<b>0</b>	<b>2,027,574</b>	63
64							64
65	<b>TOTAL AVAILABLE FOR RETURN</b>			<b>68,233,817</b>	<b>18,454,393</b>	<b>49,779,424</b>	65
66							66
67							67
68	RATE OF RETURN ON RATE BASE			6.13%	5.21%	6.56%	68
69							69
70							70
71							71
72							72
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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NORTH DAKOTA

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LINE NO	ITEM	ALLOC	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	DEVELOPMENT OF FEDERAL INCOME TAX EXPENSE					1
2						2
3	NET OPERATING INCOME BEFORE TAX (NOBT)		88,381,075	23,549,703	64,831,371	3
4	LESS: INTEREST COST	CALCULATED BY JURISDICTION	28,145,673	9,067,310	19,078,364	4
5						5
6	NET INCOME BEFORE TAX		60,235,401	14,482,393	45,753,008	6
7						7
8	<b>FEDERAL SCHEDULE M ADJUSTMENTS:</b>					8
9	ADDITIONAL TAX DEPRECIATION	NEPIS	10,435,199	3,765,378	6,669,821	9
10	COST TO REMOVE	NEPIS	500,000	180,417	319,583	10
11	DIRECTLY ASSIGNED SCHEDULE M ITEMS	NEPIS DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	11
12	ACCRUED VACATION PAY	NEPIS	0	0	0	12
13	CHARGES - OPERATING RESERVES	NEPIS	8,193,954	2,956,660	5,237,294	13
14	PROVISIONS - OPERATING RESERVES	NEPIS	(2,710,794)	(978,148)	(1,732,646)	14
15	UNBILLED REVENUES	NEPIS	0	0	0	15
16	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	16
17	OTHER SCHEDULE M ITEMS	NEPIS	(11,940,302)	(4,308,471)	(7,631,831)	17
18						18
19	<b>SUBTOTAL FEDERAL SCHEDULE M ADJUSTMENTS</b>		4,478,057	1,615,837	2,862,220	19
20						20
21	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		55,757,344	12,866,557	42,890,788	21
22						22
23	<b>LESS:</b>					23
24	MINNESOTA STATE INCOME TAXES	PER MINNESOTA STATE TAX CALCULATION	2,566,249	0	2,566,249	24
25	NORTH DAKOTA STATE INCOME TAXES	PER NORTH DAKOTA STATE TAX CALCULATION	573,269	569,032	4,237	25
26						26
27	<b>FEDERAL TAXABLE INCOME</b>		52,617,826	12,297,525	40,320,302	27
28	FEDERAL TAX RATE		35.00%	35.00%	35.00%	28
29						29
30	FEDERAL INCOME TAX BEFORE CREDITS		18,416,239	4,304,134	14,112,106	30
31	INVESTMENT TAX CREDIT - DEBITS UTILIZED	EPIS	0	0	0	31
32	FEDERAL INCOME TAXES before transfer to Deferred due to NOL		18,416,239	4,304,134	14,112,106	32
33	Less Current Federal Income Taxes Transferred to Deferred Income Taxes due to NOL		0	0	0	33
34	<b>FEDERAL INCOME TAXES</b>		18,416,239	4,304,134	14,112,106	34
35						35
36						36
37						37
38						38
39						39
40						40
41						41
42						42
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LINE NO	ITEM	ALLOC	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	DEVELOPMENT OF MINNESOTA STATE INCOME TAX EXPENSE					1
2						2
3	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		41,262,681	0	41,262,681	3
4						4
5	<b>MINNESOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</b>					5
6	PAYSOP ADJUSTMENT	NEPIS	0	0	0	6
7	CHANGE IN EXCESS TAX DEPRECIATION - M	NEPIS	(15,555,041)	0	(15,555,041)	7
8	CHANGE IN ACRS - ORDINARY LOSS	NEPIS	0	0	0	8
9	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	9
10	MISCELLANEOUS ADJUSTMENTS TO FED S	NEPIS	478,577	0	478,577	10
11						11
12	<b>TOTAL MINNESOTA ADJUSTMENTS TO FED SCHEDULE M</b>		(15,076,464)	0	(15,076,464)	12
13						13
14	MINNESOTA TAXABLE INCOME		26,186,217		26,186,217	14
15	MINNESOTA TAX RATE		9.80%	0.00%	9.80%	15
16						16
17	MINNESOTA INCOME TAX prior to transfer to Deferred Income Tax due to NOL		2,566,249	0	2,566,249	17
18	Minnesota Current Income Tax transfer to Deferred Income Tax due to NOL		0	0	0	18
19	<b>MINNESOTA INCOME TAX</b>		2,566,249	0	2,566,249	19
20						20
21						21
22						22
23						23
24						24
25						25
26	DEVELOPMENT OF NORTH DAKOTA STATE INCOME TAX EXPENSE					26
27						27
28	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		12,866,557	12,866,557	0	28
29						29
30						30
31	<b>NORTH DAKOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</b>					31
32	CHANGE IN EXCESS TAX DEPRECIATION - N	NEPIS	(2,232)	(1,749)	(483)	32
33	CHANGE IN ACRS - ORDINARY LOSS - ND	NEPIS	0	0	0	33
34	CHANGE IN INCOME FROM ADR PROPERTY	NEPIS	0	0	0	34
35	MISCELLANEOUS ADJUSTMENTS TO FED S	NEPIS	456,363	357,587	98,776	35
36						36
37	<b>TOTAL NORTH DAKOTA ADJUSTMENTS TO FED SCHEDULE M</b>		454,131	355,838	98,293	37
38						38
39	<b>SUBTOTAL</b>		13,320,687	13,222,394	98,293	39
40	DEDUCTION OF FEDERAL INCOME TAXES		0	0	0	40
41						41
42	<b>NORTH DAKOTA TAXABLE INCOME</b>		13,320,687	13,172,394	148,293	42
43	NORTH DAKOTA TAX RATE		4.31%	4.31%	4.31%	43
44						44
45	NORTH DAKOTA INCOME TAX prior to transfer to Deferred Income Tax due to NOL		573,269	569,032	4,236	45
46	North Dakota Current Income Tax transfer to Deferred Income Tax due to NOL		(573,268)	(569,032)	(4,236)	46
47	<b>NORTH DAKOTA INCOME TAX</b>		0	0	(0)	47
48						48
49						49
50						50
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ALLOCATION FACTORS

LINE NO	ITEM	FACTOR	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	MWH CONSUMPTION AT GENERATORS - PAF	E1	4,717,027	1,682,012	3,035,015	1
2	PERCENTAGE		100.000000%	35.658308%	64.341692%	2
3						3
4	MWH CONSUMPTION AT GENERATORS - TOT	E2	5,271,408	1,980,855	3,290,553	4
5	PERCENTAGE		100.000000%	37.577342%	62.422658%	5
6						6
7	GENERATION DEMAND FACTOR	D1	740,845	295,156	445,689	7
8	PERCENTAGE		100.000000%	39.840452%	60.159548%	8
9						9
10	TRANSMISSION DEMAND FACTOR	D2	745,364	295,156	450,208	10
11	PERCENTAGE		100.000000%	39.598907%	60.401093%	11
12						12
13	DISTRIBUTION - PRIMARY DEMAND FACTOR	D3	879,600	403,477	476,123	13
14	PERCENTAGE		100.000000%	45.870509%	54.129491%	14
15						15
16	DISTRIBUTION - SECONDARY DEMAND FACT	D4	1,168,271	561,014	607,257	16
17	PERCENTAGE		100.000000%	48.020879%	51.979121%	17
18						18
19	CUSTOMER OR METER FACTORS					19
20	TOTAL RETAIL CUSTOMERS	C1	133,437	59,557	73,880	20
21	PERCENTAGE		100.000000%	44.633048%	55.366952%	21
22						22
23	RETAIL SERVICE LOCATIONS	C2	140,167	62,754	77,413	23
24	PERCENTAGE		100.000000%	44.770880%	55.229120%	24
25						25
26	SECONDARY SERVICE LOCATIONS	C3	140,091	62,738	77,353	26
27	PERCENTAGE		100.000000%	44.783748%	55.216252%	27
28						28
29	STREET LIGHTING FACTOR	C4	5,464,004	2,381,279	3,082,725	29
30	PERCENTAGE		100.000000%	43.581209%	56.418791%	30
31						31
32	AREA LIGHTING FACTOR	C5	4,786,865	2,477,820	2,309,045	32
33	PERCENTAGE		100.000000%	51.762897%	48.237103%	33
34						34
35	METER FACTOR	C6	52,603,325	23,503,024	29,100,301	35
36	PERCENTAGE		100.000000%	44.679731%	55.320269%	36
37						37
38	METER READING FACTOR	C7	182,297	77,918	104,379	38
39	PERCENTAGE		100.000000%	42.742338%	57.257662%	39
40						40
41	SYSTEM SERVICE LOCATIONS	C8	140,192	62,757	77,435	41
42	PERCENTAGE		100.000000%	44.765037%	55.234963%	42
43						43
44	LOAD MANAGEMENT FACTOR	C9	42,771	18,627	24,144	44
45	PERCENTAGE		100.000000%	43.550537%	56.449463%	45
46						46
47						47
48						48
49						49
50						50
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LINE NO	ITEM	ALLOCATION FACTORS FACTOR	TOTAL COMPANY	NORTH DAKOTA	OTHER	LINE NO
1	GROSS PLANT IN SERVICE					1
7	PRODUCTION PLANT	P10	898,927,514	330,519,064	568,408,451	2
8	PERCENTAGE		100.000000%	36.768155%	63.231845%	3
9						4
10	DISTRIBUTION PLANT	P60	497,992,871	228,593,947	269,398,924	5
11	PERCENTAGE		100.000000%	45.903056%	54.096944%	6
12						7
13	GENERAL PLANT	P90	88,619,779	36,403,979	52,215,800	8
14	PERCENTAGE		100.000000%	41.078842%	58.921158%	9
15						10
16						11
17	ELECTRIC PLANT IN SERVICE	EPIS	2,022,557,141	758,395,145	1,264,161,996	12
18	PERCENTAGE		100.000000%	37.496846%	62.503154%	13
19						14
20	NET ELECTRIC PLANT IN SERVICE	NEPIS	1,257,205,303	453,642,842	803,562,460	15
21	PERCENTAGE		100.000000%	36.083434%	63.916566%	16
22						17
23	OPERATION AND MAINTENANCE EXPENSE					18
24	PRODUCTION EXPENSE (EXCL ENERGY)	OXPD	22,971,130	8,370,890	14,600,240	19
26	PERCENTAGE		100.000000%	36.440914%	63.559086%	20
27						21
28	DISTRIBUTION EXPENSE	OXD	16,917,384	7,680,921	9,236,463	22
29	PERCENTAGE		100.000000%	45.402533%	54.597467%	23
30						24
31	CUSTOMER ACCOUNTS EXPENSE	OXC	13,849,926	6,091,579	7,758,346	25
32	PERCENTAGE		100.000000%	43.982759%	56.017241%	26
33						27
34	CUSTOMER SERVICE & INFORMATION EXP	OXI	3,097,502	1,382,509	1,714,992	28
35	PERCENTAGE		100.000000%	44.633048%	55.366952%	29
36						30
37	OTHER DEFERRED INCOME TAX FACTOR					31
38	MINNESOTA	NPISM	697,191,470	0	697,191,470	32
39	PERCENTAGE		100.000000%	0.000000%	100.000000%	33
40						34
41	NORTH DAKOTA	NPISN	453,642,842	453,642,842	0	35
42	PERCENTAGE		100.000000%	100.000000%	0.000000%	36
43						37
44	EXCLUDING SOUTH DAKOTA	NPMNR	1,150,834,312	453,642,842	697,191,470	38
45	PERCENTAGE		100.000000%	39.418606%	60.581394%	39
46						40
47	LONG-TERM CWIP RATIO (W/AFDC)	CWIPLT	28,591,925	0	28,591,925	41
48	PERCENTAGE		100.000000%	0.000000%	100.000000%	42
49						43
50	REVENUE	R10	390,050,953	148,071,951	241,979,002	44
51	PERCENTAGE		100.000000%	37.962207%	62.037793%	45
52						46
53	LABOR AND RELATED EXPENSE	LRE	148,829,994	56,629,968	92,200,026	47
54	PERCENTAGE		100.000000%	38.050104%	61.949896%	48
55						49
56	TOTAL O & M EXPENSE	OX				50
57	PERCENTAGE					51
58						52
59						53
60						54
61						55
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LINE NO	ITEM	AMOUNT	AMOUNT AS		COST OF CAPITAL	RATE OF RETURN	LINE NO
			A PERCENT OF TOTAL				
1	CAPITAL STRUCTURE - RATE OF RETURN						1
2							2
3							3
4	LONG-TERM DEBT	508,651,995	47.50%		5.39%	2.56%	4
5							5
6	PREFERRED STOCK	0	0.000%		0.00%	0.00%	6
7							7
8	COMMON EQUITY	562,251,832	52.50%		10.30%	5.41%	8
9							9
10	TOTAL	1,070,903,826	100.00%			7.97%	10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
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LINE NO	ITEM	ALLOCATION	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<u>CASH WORKING CAPITAL CALCULATION - REVENUE LEAD DAYS</u>					1
2						2
3	<u>REVENUES</u>					3
4	COMPUTER MAINTAINED BILLINGS		349,972,199	139,663,370	210,308,829	4
5	MANUALLY MAINTAINED BILLINGS		33,290,169	13,285,105	20,005,065	5
6	COST OF ENERGY REVENUES	R10	7,871,578	(4,463,840)	12,335,418	6
7	SALES FOR RESALE		190,597	5,646	184,950	7
8	RENT FROM ELECTRIC PROPERTY		568,008	204,957	363,051	8
9	MISCELLANEOUS		2,576,976	929,862	1,647,115	9
10	ITA DEFICIENCY PAYMENTS		1,773,638	639,990	1,133,649	10
11	WHEELING		439,772	0	439,772	11
12	LOAD CONTROL AND DISPATCH		51,548,158	7,636,212	43,711,946	12
13	RENT FROM ELECTRIC PROPERTY - BIG STONE		11,825	4,267	7,558	13
14	RENT FROM ELECTRIC PROPERTY - COYOTE		9,800	3,536	6,264	14
15	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	15
16	MISCELLANEOUS SERVICES		28,101	10,140	17,961	16
17	RESIDENTIAL CONSERVATION SERVICES		2,676	0	2,676	17
18						18
19	<b>TOTAL REVENUES</b>		<b>448,283,498</b>	<b>158,119,244</b>	<b>290,164,253</b>	19
20						20
21	<u>REVENUE LEAD DAYS FROM SERVICE TO COLLECTION</u>					21
22						22
23	COMPUTER MAINTAINED BILLINGS		N/A	43.4	N/A	23
24	MANUALLY MAINTAINED BILLINGS		N/A	41.3	N/A	24
25	COST OF ENERGY REVENUES		N/A	127.7	N/A	25
26	SALES FOR RESALE		N/A	23.1	N/A	26
27	RENT FROM ELECTRIC PROPERTY		N/A	-92.4	N/A	27
28	MISCELLANEOUS		N/A	34.9	N/A	28
29	ITA DEFICIENCY PAYMENTS		N/A	48.4	N/A	29
30	WHEELING		N/A	35.8	N/A	30
31	LOAD CONTROL AND DISPATCH		N/A	27.9	N/A	31
32	RENT FROM ELECTRIC PROPERTY - BIG STONE		N/A	39.9	N/A	32
33	RENT FROM ELECTRIC PROPERTY - COYOTE		N/A	39.9	N/A	33
34	PROFIT ON MATERIALS AND SUPPLIES		N/A	39.9	N/A	34
35	MISCELLANEOUS SERVICES		N/A	39.9	N/A	35
36	RESIDENTIAL CONSERVATION SERVICES		N/A	39.9	N/A	36
37						37
38						38
39	<u>REVENUE DOLLAR DAYS (REVENUES X REVENUE LEAD DAYS)</u>					39
40	COMPUTER MAINTAINED BILLINGS		15,188,793,454	6,061,390,279	9,127,403,175	40
41	MANUALLY MAINTAINED BILLINGS		1,374,883,994	548,674,817	826,209,177	41
42	COST OF ENERGY REVENUES		809,363,681	(570,108,920)	1,379,472,601	42
43	SALES FOR RESALE		4,395,161	130,206	4,264,955	43
44	RENT FROM ELECTRIC PROPERTY		(52,489,606)	(18,940,052)	(33,549,554)	44
45	MISCELLANEOUS		89,988,014	32,470,765	57,517,249	45
46	ITA DEFICIENCY PAYMENTS		85,844,099	30,975,499	54,868,601	46
47	WHEELING		15,726,231	0	15,726,231	47
48	LOAD CONTROL AND DISPATCH		1,438,193,603	218,630,319	1,219,563,284	48
49	RENT FROM ELECTRIC PROPERTY - BIG STONE		496,581	170,254	326,328	49
50	RENT FROM ELECTRIC PROPERTY - COYOTE		411,529	141,093	270,436	50
51	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	51
52	MISCELLANEOUS SERVICES		1,180,026	404,573	775,452	52
53	RESIDENTIAL CONSERVATION SERVICES		114,265	0	114,265	53
54						54
55	<b>TOTAL DOLLAR DAYS</b>		<b>18,956,901,033</b>	<b>6,303,938,834</b>	<b>12,652,962,199</b>	55
56						56
57						57
58	<b>AVG REVENUE LEAD DAYS (TOTAL REV DOLLAR DAYS / TOTAL REV)</b>		<b>42.3</b>	<b>39.9</b>	<b>43.6</b>	58
59						59
60						60

OTTER TAIL POWER COMPANY JURISDICTIONAL COST OF SERVICE STUDY North Dakota 2018 Test Year			NORTH DAKOTA					PAGE 19 - 1	
LINE NO	ITEM		OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS		LEAD DAYS OF 42.7 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF								1
2	LEAD-LAG FACTORS-MINNESOTA JURISDICTION								2
3	FUEL - COAL	E2	28,396,748	77,799	15.5		27.2	2,115,363	3
4									4
5	FUEL - OIL	E1	33,457	92	11.2		31.5	2,886	5
6									6
7	PURCHASED POWER		37,542,735	102,857	31.6		11.1	1,143,768	7
8									8
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE	3,104,415	8,505	15.1		27.6	234,660	9
10									10
11	ALL OTHER O&M EXPENSE		83,476,662	228,703	13.1		29.6	6,770,918	11
12									12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)		5,881,450	16,114	299.5		-256.8	(4,137,388)	13
14									14
15	COAL CONVERSION TAXES		303,125	830	33.3		9.4	7,790	15
16									16
17	FEDERAL INCOME TAXES		6,899,636	18,903	0.0		42.7	807,163	17
18									18
19	STATE INCOME TAXES		798,185	2,167	0.0		42.7	93,377	19
20									20
21	INCREMENTAL FEDERAL INCOME TAXES		0	0	0.0		42.7	0	21
22									22
23	INCREMENTAL STATE INCOME TAXES		0	0	0.0		42.7	0	23
24									24
25	BANK BALANCES	NEPIS						4,458	25
26									26
27	SPECIAL DEPOSITS	NEPIS						3,412	27
28									28
29	WORKING FUNDS	NEPIS						5,669	29
30									30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDING	LRE	(2,666,980)	(7,307)	0.0			0	31
32									32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHHOLDING	LRE	(4,340,698)	(11,892)	0.0			0	33
34									34
35	TAX COLLECTIONS AVAIL - STATE WITHHOLDING	R10 ASSIGN TO JURIS	(1,900,000)	(5,205)	1.9			(9,942)	35
36									36
37	TAX COLLECTIONS AVAIL - STATE WITHHOLDING	R10 ASSIGN TO JURIS	0	0	69.1			0	37
38									38
39	TAX COLLECTIONS AVAILABLE - STATE SALE	R10	(9,417,230)	(25,801)	12.7			(327,410)	39
40									40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE	R10	(1,649,127)	(4,518)	27.6			(124,520)	41
42									42
43									43
44	<b>CASH WORKING CAPITAL REQUIREMENT - MINNESOTA</b>							<b>6,590,201</b>	44
45									45
46									46
47									47
48									48
49									49
50									50
51									51
52									52
53									53
54									54
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

NORTH DAKOTA

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LINE NO	ITEM	OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS	EXCESS REVENUE LEAD DAYS OF 39.9 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF LEAD-LAG FACTORS-NORTH DAKOTA JURISDICTION						1
2	FUEL - COAL	19,990,895	54,770	15.5	24.4	1,335,830	2
3	FUEL - OIL	21,698	59	11.2	28.7	1,705	3
4	PURCHASED POWER	26,355,139	72,206	31.6	8.3	600,753	4
5	LABOR AND ASSOCIATED PAYROLL	2,286,135	6,263	15.1	24.8	155,269	5
6	ALL OTHER O&M EXPENSE	59,584,481	163,245	13.1	26.8	4,375,901	6
7	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)	4,665,439	12,782	299.5	-259.6	(3,317,758)	7
8	COAL CONVERSION TAXES	240,452	659	33.3	6.6	4,335	8
9	FEDERAL INCOME TAXES	4,304,133	11,792	0.0	39.9	470,507	9
10	STATE INCOME TAXES	0	0	0.0	39.9	0	10
11	INCREMENTAL FEDERAL INCOME TAXES	0	0	0.0	39.9	0	11
12	INCREMENTAL STATE INCOME TAXES	0	0	0.0	39.9	0	12
13	BANK BALANCES					3,536	13
14	SPECIAL DEPOSITS					2,706	14
15	WORKING FUNDS					4,497	15
16	TAX COLLECTIONS AVAIL - FICA WITH	(1,964,003)	(5,381)	0.0		0	16
17	TAX COLLECTIONS AVAIL - FEDERAL	(3,196,553)	(8,758)	0.0		0	17
18	TAX COLLECTIONS AVAIL - STATE WI	0	0	1.9		0	18
19	TAX COLLECTIONS AVAIL - STATE WI	(185,000)	(507)	69.1		(34,998)	19
20	TAX COLLECTIONS AVAILABLE - STAT	(143)	(0)	23.8		(9)	20
21	TAX COLLECTIONS AVAILABLE - FRAN	0	0	0.0		0	21
22	<b>H WORKING CAPITAL REQUIREMENT - NORTH DAKOTA</b>					<b>3,602,273</b>	22

OTTER TAIL POWER COMPANY JURISDICTIONAL COST OF SERVICE STUDY North Dakota 2018 Test Year			NORTH DAKOTA					PAGE 21 - 1		
LINE NO	ITEM		OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS		EXCESS REVENUE LEAD DAYS OF 63.6 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO	
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF									
2	LEAD LAG FACTORS-SOUTH DAKOTA JURISDICTION									
3	FUEL - COAL	E2	4,772,381	13,075	15.5		48.1	628,778	3	
4									4	
5	FUEL - OIL	E1	5,643	15	11.2		52.4	810	5	
6									6	
7	PURCHASED POWER		6,310,284	17,288	31.6		32.0	553,576	7	
8									8	
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE	535,731	1,468	15.1		48.5	71,172	9	
10									10	
11	ALL OTHER O&M EXPENSE		13,920,904	38,139	13.1		50.5	1,926,260	11	
12									12	
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)		1,093,961	2,997	299.5		-235.9	(706,921)	13	
14									14	
15	COAL CONVERSION TAXES		56,382	154	33.3		30.3	4,677	15	
16									16	
17	FEDERAL INCOME TAXES		569,837	1,561	0.0		63.6	99,292	17	
18									18	
19	STATE INCOME TAXES		0	0	0.0		63.6	0	19	
20									20	
21	INCREMENTAL FEDERAL INCOME TAXES		0	0	0.0		63.6	0	21	
22									22	
23	INCREMENTAL STATE INCOME TAXES		0	0	0.0		63.6	0	23	
24									24	
25	BANK BALANCES	NEPIS						829	25	
26									26	
27	SPECIAL DEPOSITS	NEPIS						635	27	
28									28	
29	WORKING FUNDS	NEPIS						1,054	29	
30									30	
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDING	LRE	(460,243)	(1,261)	0.0			0	31	
32									32	
33	TAX COLLECTIONS AVAIL - FEDERAL WITHHOLDING	LRE	(749,078)	(2,052)	0.0			0	33	
34									34	
35	TAX COLLECTIONS AVAIL - STATE WITHHOLDING	R10 ASSIGN TO JURIS	0	0	1.9			0	35	
36									36	
37	TAX COLLECTIONS AVAIL - STATE WITHHOLDING	R10 ASSIGN TO JURIS	0	0	69.1			0	37	
38									38	
39	TAX COLLECTIONS AVAILABLE - STATE SALE	R10	(1,268,662)	(3,476)	13.7			(47,479)	39	
40									40	
41	TAX COLLECTIONS AVAILABLE - FRANCHISE	R10	0	0	0.0			0	41	
42									42	
43									43	
44	CASH WORKING CAPITAL REQUIREMENT - SOUTH DAKOTA								2,532,683	44
45									45	
46									46	
47									47	
48									48	
49									49	
50									50	
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OTTER TAIL POWER COMPANY JURISDICTIONAL COST OF SERVICE STUDY North Dakota 2018 Test Year			NORTH DAKOTA					PAGE 22 - 1	
LINE NO	ITEM		OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR		EXPENSE LAG DAYS	LEAD DAYS OF 28.0 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF								1
2	LEAD-LAG FACTORS-FERC JURISDICTION								2
3	FUEL - COAL	E2	39,309	108		15.5	12.5	1,345	3
4									4
5	FUEL - OIL	E1	51	0		11.2	16.8	2	5
6									6
7	PURCHASED POWER		52,163	143		31.6	-3.6	(512)	7
8									8
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE	81,943	225		15.1	12.9	2,894	9
10									10
11	ALL OTHER O&M EXPENSE		1,973,835	5,408		13.1	14.9	80,607	11
12									12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)		1,288,737	3,531		299.5	-271.5	(958,483)	13
14									14
15	COAL CONVERSION TAXES		66,420	182		33.3	-5.3	(968)	15
16									16
17	FEDERAL INCOME TAXES		6,642,633	18,199		0.0	28.0	509,572	17
18									18
19	STATE INCOME TAXES		1,768,065	4,844		0.0	28.0	135,632	19
20									20
21	INCREMENTAL FEDERAL INCOME TAXES		0	0		0.0	28.0	0	21
22									22
23	INCREMENTAL STATE INCOME TAXES		0	0		0.0	28.0	0	23
24									24
25	BANK BALANCES	NEPIS						977	25
26									26
27	SPECIAL DEPOSITS	NEPIS						748	27
28									28
29	WORKING FUNDS	NEPIS						1,242	29
30									30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDING	LRE	(70,396)	(193)		0.0		0	31
32									32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHHOLDING	LRE	(114,575)	(314)		0.0		0	33
34									34
35	TAX COLLECTIONS AVAIL - STATE WITHHOLDING	R10 ASSIGN TO JURIS	0	0		1.9		0	35
36									36
37	TAX COLLECTIONS AVAIL - STATE WITHHOLDING	R10 ASSIGN TO JURIS	0	0		69.1		0	37
38									38
39	TAX COLLECTIONS AVAILABLE - STATE SALE	R10	0	0		0.0		0	39
40									40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE	R10	0	0		0.0		0	41
42									42
43									43
44	TOTAL CASH WORKING CAPITAL REQUIREMENT - FERC							(226,944)	44
45									45
46									46
47									47
48									48
49									49
50									50
51									51
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53									53
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

NORTH DAKOTA

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LINE NO	ITEM		OPERATING EXPENSE		EXPENSE PER DAY 365 DAYS PER YEAR		EXPENSE LAG DAYS		EXCESS REVENUE LEAD DAYS OF 42.3 OVER EXPENSE LAG DAYS		NET REVENUE LAG DOLLARS		LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF												1
2	LEAD-LAG FACTORS - TOTAL CO.												2
3	FUEL - COAL	E2									4,081,316		3
4													4
5	FUEL - OIL	E1									5,403		5
6													6
7	PURCHASED POWER										2,297,585		7
8													8
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE									463,994		9
10													10
11	ALL OTHER O&M EXPENSE										13,153,685		11
12													12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)										(9,120,550)		13
14													14
15	COAL CONVERSION TAXES										15,834		15
16													16
17	FEDERAL INCOME TAXES										1,886,533		17
18													18
19	STATE INCOME TAXES										229,009		19
20													20
21	INCREMENTAL FEDERAL INCOME TAXES										0		21
22													22
23	INCREMENTAL STATE INCOME TAXES										0		23
24													24
25	BANK BALANCES	NEPIS									9,800		25
26													26
27	SPECIAL DEPOSITS	NEPIS									7,500		27
28													28
29	WORKING FUNDS	NEPIS									12,462		29
30													30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDING	LRE									0		31
32													32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHHOLDING	LRE									0		33
34													34
35	TAX COLLECTIONS AVAIL - STATE WITHHOLDING	R10	ASSIGN TO JURIS								(9,942)		35
36													36
37	TAX COLLECTIONS AVAIL - STATE WITHHOLDING	R10	ASSIGN TO JURIS								(34,998)		37
38													38
39	TAX COLLECTIONS AVAILABLE - STATE SALE	R10									(374,899)		39
40													40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE	R10									(124,520)		41
42													42
43													43
44	CASH WORKING CAPITAL REQUIREMENT - TOTAL COMPANY										12,498,213		44
45													45
46													46
47													47
48													48
49													49
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51													51
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2016 Test Year

NORTH DAKOTA

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	RATE BASE		482,734,109	354,191,795	93,276,537	169,237,929	1,113,263,610	1
2								2
3	TOTAL AVAILABLE FOR RETURN		27,843,868	18,454,393	3,982,262	16,976,221	68,233,817	3
4								4
5	RATE OF RETURN EARNED		5.77%	5.21%	4.27%	10.03%	6.13%	5
6								6
7	RATE OF RETURN REQUESTED		7.97%	7.97%	7.97%	7.97%	7.97%	7
8								8
9	OPERATING INCOME REQUIRED		38,473,908	28,229,086	7,434,140	13,488,263	88,727,110	9
10								10
11	TOTAL AVAILABLE FOR RETURN		27,843,868	18,454,393	3,982,262	16,976,221	68,233,817	11
12								12
13	OPERATING INCOME DEFICIENCY		10,630,041	9,774,693	3,451,878	(3,487,959)	20,493,293	13
14								14
15	INCREMENTAL TAXES	GRCF =	7,500,679	5,940,627	1,865,882	3,487,959	18,795,146	15
16								16
17	REVENUE INCREASE REQUIRED		18,130,719	15,715,320	5,317,760	0	39,288,439	17
18								18
19	PERCENTAGE INCREASE		8.71%	10.61%	15.78%	0.00%	10.07%	19
20								20
21								21
22								22
23								23
24								24
25	RETURN ON EQUITY							25
26								26
27								27
28								28
29								29
30								30
31	REVENUE DEF		18,130,719	15,715,320	5,317,760	-	39,288,439	31
32								32
33	NOBT		34,906,415	23,549,703	4,394,870	25,530,086	88,381,075	33
34								34
35	TOT INC B/4 TAX		53,037,134	39,265,023	9,712,630	25,530,086	127,669,514	35
36								36
37	ROR REQ B/4 TAX		10.99%	11.09%	10.41%	15.09%	11.47%	37
38								38
39								39
40								40
41								41
42								42
43								43
44								44
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

NORTH DAKOTA

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	ELECTRIC PLANT IN SERVICE		955,241,983	758,395,145	177,374,080	131,545,933	2,022,557,141	1
2								2
3	ACCUMULATED DEPRECIATION		(383,360,590)	(304,752,303)	(71,003,090)	(6,235,856)	(765,351,839)	3
4								4
5	NET PLANT EXCLUDING BIG STONE PLANT CAPITALIZED IT		571,881,393	453,642,842	106,370,990	125,310,077	1,257,205,303	5
6								6
7	NET CAPITALIZED ITEMS - BIG STONE PLANT		0	0	0	0	0	7
8								8
9	NET ELECTRIC PLANT IN SERVICE		571,881,393	453,642,842	106,370,990	125,310,077	1,257,205,303	9
10								10
11	PLANT HELD FOR FUTURE USE		13,683	13,044	2,816	114	29,657	11
12								12
13	CONSTRUCTION WORK IN PROGRESS		15,105,357	271,748	0	95,854,162	125,054,506	13
14								14
15	MATERIALS AND SUPPLIES		9,793,721	8,275,549	1,882,533	64,934	20,016,737	15
16								16
17	FUEL STOCKS		6,534,970	4,430,805	1,122,620	11,281	12,099,676	17
18								18
19	PREPAYMENTS		(16,639,397)	(13,199,141)	(3,094,958)	(3,646,008)	(36,579,505)	19
20								20
21	CUSTOMER ADVANCES		(461,246)	(365,882)	(85,793)	(101,068)	(1,013,988)	21
22								22
23	CASH WORKING CAPITAL		6,590,201	3,602,273	2,532,683	(226,944)	12,498,213	23
24								24
25	ACCUMULATED DEFERRED INCOME TAXES		(110,084,573)	(102,479,443)	(15,454,353)	(48,028,620)	(276,046,989)	25
26								26
27	UNAMORTIZED BALANCE - SPIRITWOOD		0	0	0	0	0	27
28								28
29	UNAMORTIZED RATE CASE EXPENSE		0	0	0	0	0	29
30								30
31								31
32	<b>TOTAL AVERAGE RATE BASE</b>		<b>482,734,109</b>	<b>354,191,795</b>	<b>93,276,537</b>	<b>169,237,929</b>	<b>1,113,263,610</b>	32
33								33
34							***	34
35								35
36								36
37								37
38								38
39								39
40								40
41								41
42								42
43								43
44								44
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56								56
57								57
58								58
59								59
60								60

\*\*\* NOTE: TOTAL AVERAGE RATE BASE WILL NOT ADD ACROSS BECAUSE CWIP IS NOT ALLOCATED TO ALL JURISDICTIONS.

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Test Year

NORTH DAKOTA

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<b>PLANT IN SERVICE</b>							1
2	A/C 101 & 106 - Direct MN	Direct MN	3,520,019	0	0	0	3,520,019	2
3	A/C 101 & 106 - Direct ND	Direct ND	0	471,573	0	0	471,573	3
4	A/C 101 & 106 - Direct SD	Direct SD	0	0	1,146,073	0	1,146,073	4
5	<b>Subtotal A/C 101 &amp; 106 - Direct Assigned</b>		<b>3,520,019</b>	<b>471,573</b>	<b>1,146,073</b>	<b>0</b>	<b>5,137,665</b>	5
6								6
7	<b>PRODUCTION PLANT</b>							7
8	A/C 101 & 106 - BASE DEMAND	E1	280,079,116	181,639,306	47,241,757	428,286	509,388,465	8
9	PEAK DEMAND	D1	89,212,343	70,042,290	16,334,484	217,847	175,806,964	9
10	BASE ENERGY	E2	110,495,784	77,787,414	18,570,012	152,955	207,006,166	10
11								11
12	<b>SUBTOTAL A/C 101 &amp; 106</b>		<b>483,307,263</b>	<b>329,940,583</b>	<b>83,292,326</b>	<b>799,088</b>	<b>897,339,260</b>	12
13								13
14	A/C 114 - BASE DEMAND	E1	713,729	462,874	120,387	1,091	1,298,081	14
15	PEAK DEMAND	D1	147,247	115,607	26,961	360	290,174	15
16	BASE ENERGY	E1	0	0	0	0	0	16
17								17
18	<b>SUBTOTAL A/C 114</b>		<b>860,976</b>	<b>578,480</b>	<b>147,347</b>	<b>1,451</b>	<b>1,588,255</b>	18
19								19
20	<b>TOTAL PRODUCTION PLANT</b>	P10	<b>484,168,239</b>	<b>330,519,064</b>	<b>83,439,673</b>	<b>800,539</b>	<b>898,927,514</b>	20
21								21
22								22
23	<b>TRANSMISSION PLANT</b>							23
24	A/C 101 & 106	D2	195,898,819	153,803,850	35,868,424	2,833,185	388,404,278	24
25	A/C 101 & 106 (Direct FERC)	Direct FERC	0	0	0	126,520,627	126,520,627	25
26	A/C 114	D2	29,398	23,081	5,383	425	58,287	26
27								27
28	<b>TOTAL TRANSMISSION PLANT</b>		<b>195,928,217</b>	<b>153,826,931</b>	<b>35,873,806</b>	<b>129,354,237</b>	<b>514,983,192</b>	28
29								29
30								30
31	<b>DISTRIBUTION PLANT</b>							31
32	PRIMARY DEMAND	D3	81,106,788	85,455,191	18,564,213	1,170,390	186,296,581	32
33	SECONDARY DEMAND	D4	42,353,726	48,993,034	10,677,682	0	102,024,443	33
34	PRIMARY CUSTOMER	C2	36,373,802	34,970,609	6,763,525	2,229	78,110,165	34
35	SECONDARY CUSTOMER	C3	34,584,049	33,265,375	6,430,592	0	74,280,016	35
36	STREETLIGHTING	C4	6,320,737	6,080,955	1,551,465	0	13,953,157	36
37	AREA LIGHTING	C5	3,295,355	4,151,739	573,592	0	8,020,685	37
38	METERS	C6	12,261,656	11,882,166	2,450,265	0	26,594,087	38
39	LOAD MANAGEMENT	C9	4,084,991	3,794,879	833,867	0	8,713,737	39
40								40
41	<b>TOTAL DISTRIBUTION PLANT</b>	P60	<b>220,381,104</b>	<b>228,593,947</b>	<b>47,845,201</b>	<b>1,172,619</b>	<b>497,992,871</b>	41
42								42
43								43
44	<b>GENERAL PLANT</b>							44
45	PRODUCTION	P10	18,142,060	12,384,738	3,126,532	29,997	33,683,326	45
46	TRANSMISSION	D2	6,572,171	5,159,935	1,203,343	95,050	13,030,498	46
47	DISTRIBUTION	P60	9,337,168	9,685,132	2,027,119	49,682	21,099,100	47
48	CUSTOMER ACCOUNTS	OXC	7,928,186	7,380,245	1,471,135	294	16,779,859	48
49	CUSTOMER SERVICE & INFO	OXI	1,730,914	1,655,501	322,722	0	3,709,137	49
50	LOAD MANAGEMENT	C9	149,012	136,429	30,418	0	317,859	50
51								51
52	<b>TOTAL GENERAL PLANT</b>	P90	<b>43,859,510</b>	<b>36,403,979</b>	<b>8,181,268</b>	<b>175,022</b>	<b>88,619,779</b>	52
53								53
54								54
55	<b>INTANGIBLE PLANT</b>	P90	<b>10,904,913</b>	<b>9,051,224</b>	<b>2,034,132</b>	<b>43,516</b>	<b>22,033,785</b>	55
56								56
57	<b>TOTAL PLANT IN SERVICE</b>	EPIS	<b>955,241,983</b>	<b>758,395,145</b>	<b>177,374,080</b>	<b>131,545,933</b>	<b>2,022,557,141</b>	57
58								58
59								59
60								60
61								61
62								62
63								63
64								64
65								65
66								66

OTTER TAIL POWER COMPANY  
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NORTH DAKOTA

PAGE 4 - a

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1								1
2	ACCUMULATED DEPRECIATION							2
3	PRODUCTION PLANT							3
4	BASE DEMAND	E1	(129,491,841)	(83,979,157)	(21,841,764)	(198,014)	(235,510,776)	4
5	PEAK DEMAND	D1	(38,264,452)	(30,042,142)	(7,006,094)	(93,438)	(75,406,125)	5
6	BASE ENERGY	E2	(40,603,078)	(28,583,972)	(6,823,787)	(56,205)	(76,067,042)	6
7	TOTAL PRODUCTION PLANT		(208,359,371)	(142,605,271)	(35,671,645)	(347,657)	(386,983,943)	7
8								8
9								9
10	TRANSMISSION PLANT	D2	(61,584,694)	(48,351,303)	(11,275,953)	(890,668)	(122,102,619)	10
11	TRANSMISSION PLANT (Direct FERC)	Direct FERC	0	0	0	(4,418,753)	(4,418,753)	11
12	TOTAL TRANSMISSION PLANT		(61,584,694)	(48,351,303)	(11,275,953)	(5,309,421)	(126,521,372)	12
13								13
14								14
15	DISTRIBUTION PLANT	P60	(94,852,571)	(98,387,400)	(20,592,693)	(504,698)	(214,337,362)	15
16								16
17								17
18	GENERAL PLANT	P90	(16,897,692)	(14,025,311)	(3,151,986)	(67,431)	(34,142,419)	18
19								19
20								20
21	INTANGIBLE PLANT	P90	(1,666,261)	(1,383,019)	(310,813)	(6,649)	(3,366,743)	21
22								22
23								23
24	TOTAL ACCUMULATED DEPRECIATION		(383,360,590)	(304,752,303)	(71,003,090)	(6,235,856)	(765,351,839)	24
25								25
26								26
27	NET PLANT EXCLUDING BSP CAPITALIZED ITEMS		571,881,393	453,642,842	106,370,990	125,310,077	1,257,205,303	27
28								28
29								29
30	BSP CAPITALIZED ITEMS	P10	0	0	0	0	0	30
31								31
32								32
33	TOTAL NET PLANT IN SERVICE	NEPIS	571,881,393	453,642,842	106,370,990	125,310,077	1,257,205,303	33
34								34
35								35
36								36
37								37
38								38
39								39
40								40
41								41
42	PLANT HELD FOR FUTURE USE							42
43	PRODUCTION PLANT	P10	0	0	0	0	0	43
44	TRANSMISSION PLANT	D2	4,598	3,579	835	66	9,038	44
45	DISTRIBUTION PLANT	P60	9,125	9,465	1,981	49	20,619	45
46	GENERAL PLANT	P90	0	0	0	0	0	46
47	INTANGIBLE PLANT	P90	0	0	0	0	0	47
48								48
49	TOTAL PLANT HELD FOR FUTURE USE		13,683	13,044	2,816	114	29,657	49
50								50
51								51
52								52
53								53
54								54
55								55
56								56
57								57
58								58
59								59
60								60
61								61
62								62

DIRECTLY ASSIGNED TO JURISDICTION

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	CONST WORK-IN-PROGRESS - Direct Assigned		0	0	0	0	0	1
2	PRODUCTION PLANT - Direct MN	P10	0	0	0	0	0	2
3	PRODUCTION PLANT - Direct ND	P10	0	0	0	0	0	3
4	PRODUCTION PLANT - Direct SD	P10	0	0	0	0	0	4
5	PRODUCTION PLANT - Direct FERC	Direct FERC	0	0	0	0	0	5
6	TRANSMISSION PLANT - Direct MN	D2	0	0	0	0	0	6
7	TRANSMISSION PLANT - Direct ND	D2	0	0	0	0	0	7
8	TRANSMISSION PLANT - Direct SD	D2	0	0	0	0	0	8
9	TRANSMISSION PLANT - Direct FERC	Direct FERC	0	0	0	95,776,331	95,776,331	9
10	DISTRIBUTION PLANT - Direct MN	P60	0	0	0	0	0	10
11	DISTRIBUTION PLANT - Direct ND	P60	0	0	0	0	0	11
12	DISTRIBUTION PLANT - Direct SD	P60	0	0	0	0	0	12
13	DISTRIBUTION PLANT - Direct FERC	Direct FERC	0	0	0	0	0	13
14	GENERAL PLANT - Direct MN	P90	0	0	0	0	0	14
15	GENERAL PLANT - Direct ND	P90	0	0	0	0	0	15
16	GENERAL PLANT - Direct SD	P90	0	0	0	0	0	16
17	GENERAL PLANT - Direct FERC	Direct FERC	0	0	0	0	0	17
18	INTANGIBLE PLANT - Direct MN	P90	0	0	0	0	0	18
19	INTANGIBLE PLANT - Direct ND	P90	0	0	0	0	0	19
20	INTANGIBLE PLANT - Direct SD	P90	0	0	0	0	0	20
21	INTANGIBLE PLANT - Direct FERC	Direct FERC	0	0	0	0	0	21
22	TOTAL CWIP - Direct Assigned		0	0	0	95,776,331	95,776,331	22
23			0	0	0	0	0	23
24			0	0	0	0	0	24
25	CONST WORK-IN-PROGRESS - SHORT-TERM		0	0	0	0	0	25
26	PRODUCTION PLANT	P10	0	0	0	0	0	26
27	TRANSMISSION PLANT	D2	346,123	271,748	0	5,006	686,250	27
28	DISTRIBUTION PLANT	P60	0	0	0	0	0	28
29	GENERAL PLANT	P90	0	0	0	0	0	29
30	INTANGIBLE PLANT	P90	0	0	0	0	0	30
31			0	0	0	0	0	31
32	TOTAL CWIP - SHORT-TERM		346,123	271,748	0	5,006	686,250	32
33			0	0	0	0	0	33
34			0	0	0	0	0	34
35	CONST WORK-IN-PROGRESS - LONG TERM		0	0	0	0	0	35
36	PRODUCTION PLANT (AFUDC Projects)	P10	7,562,613	0	0	12,504	14,041,071	36
37	PRODUCTION PLANT (Rider Projects)	P10	0	0	0	0	0	37
38	TRANSMISSION PLANT (AFUDC Projects)	D2	2,953,225	0	0	42,711	5,855,294	38
39	TRANSMISSION PLANT (Rider Projects)	D2	0	0	0	0	0	39
40	DISTRIBUTION PLANT	P60	508,542	0	0	2,706	1,149,148	40
41	GENERAL PLANT	P90	793,833	0	0	3,168	1,603,969	41
42	INTANGIBLE PLANT	P90	2,941,021	0	0	11,736	5,942,443	42
43			0	0	0	0	0	43
44	TOTAL CWIP - LONG TERM - AFUDC Projects		14,759,234	0	0	72,825	28,591,925	44
45	TOTAL CWIP - LONG TERM - Rider Projects		0	0	0	0	0	45
46			0	0	0	0	0	46
47	TOTAL CONSTRUCTION WORK-IN-PROGRESS		15,105,357	271,748	0	95,854,162	125,054,506	47
48			0	0	0	0	0	48
49			0	0	0	0	0	49
50			0	0	0	0	0	50
51	MATERIALS & SUPPLIES		0	0	0	0	0	51
52	PRODUCTION	P10	3,355,751	2,290,815	578,317	5,549	6,230,432	52
53	TRANSMISSION	D2	2,749,009	2,158,299	503,334	39,758	5,450,400	53
54	DISTRIBUTION	P60	3,688,960	3,826,435	800,881	19,628	8,335,905	54
55			0	0	0	0	0	55
56	TOTAL MATERIALS AND SUPPLIES		9,793,721	8,275,549	1,882,533	64,934	20,016,737	56
57			0	0	0	0	0	57
58			0	0	0	0	0	58
59	FUEL STOCKS		0	0	0	0	0	59
60	COAL STOCKS	E1	5,124,248	3,323,221	864,322	7,836	9,319,627	60
61	FUEL OIL STOCKS	D1	1,410,722	1,107,584	258,298	3,445	2,780,049	61
62			0	0	0	0	0	62
63	TOTAL FUEL STOCKS		6,534,970	4,430,805	1,122,620	11,281	12,099,676	63
64			0	0	0	0	0	64
65			0	0	0	0	0	65
66	PREPAYMENTS	NEPIS	128,228.3	(13,199,141)	(3,094,958)	(3,646,008)	(36,579,505)	66
67			0	0	0	0	0	67
68	CUSTOMER ADVANCES	NEPIS	235,253	(365,882)	(85,793)	(101,068)	(1,013,988)	68
69			0	0	0	0	0	69
70	CASH WORKING CAPITAL	OX	6,590,201	3,602,273	2,532,683	(226,944)	12,498,213	70
71			0	0	0	0	0	71
72			0	0	0	0	0	72
73			0	0	0	0	0	73
74			0	0	0	0	0	74
75			0	0	0	0	0	75
76			0	0	0	0	0	76
77			0	0	0	0	0	77

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	ACCUMULATED DEFERRED INCOME TAXES		0	171,680	0	47,423	435,531	1
2	ITEMS SD FLOWS THROUGH		0	0	0	12,953	72,069	2
3	FEDERAL	NPMNR	216,427	171,680	0	47,423	435,531	3
4	MINNESOTA	NPISM	59,115	0	0	12,953	72,069	4
5	NORTH DAKOTA	NPISN	0	35,772	0	0	35,772	5
6			0	0	0	0	0	6
7	SUBTOTAL		275,542	207,452	0	60,377	543,371	7
8			0	0	0	0	0	8
9	ALL OTHER		0	0	0	0	0	9
10	FEDERAL	NEPIS	(83,087,100)	(65,908,541)	(15,454,353)	(18,205,962)	(182,655,956)	10
11	FEDERAL (Direct FERC)	Direct FERC	0	0	0	(23,906,999)	(23,906,999)	11
12	MINNESOTA	NPISM	(27,273,015)	0	0	(5,976,036)	(33,249,051)	12
13	NORTH DAKOTA	NPISN	0	(36,778,353)	0	0	(36,778,353)	13
14			0	0	0	0	0	14
15	SUBTOTAL		(110,360,115)	(102,686,895)	(15,454,353)	(48,088,996)	(276,590,359)	15
16			0	0	0	0	0	16
17	TOTAL ACCUMULATED DEFERRED INCOME TAXES		(110,084,573)	(102,479,443)	(15,454,353)	(48,028,620)	(276,046,989)	17
18			190,255,281-283					18
19			0	0	0	0	0	19
20	UNAMORTIZED BALANCE - SPIRITWOOD PLA	P10	0	0	0	0	0	20
21			0	0	0	0	0	21
22			0	0	0	0	0	22
23	UNAMORTIZED RATE CASE EXPENSES	R10	0	0	0	0	0	23
24			0	0	0	0	0	24
25			0	0	0	0	0	25
26			0	0	0	0	0	26
27			0	0	0	0	0	27
28	TOTAL AVERAGE RATE BASE		482,734,109	354,191,795	93,276,537	169,237,929	1,113,263,610	28
29			0	0	0	0	0	29
30			0	0	0	0	0	30
31			0	0	0	0	0	31
32			0	0	0	0	0	32
33			0	0	0	0	0	33
34			0	0	0	0	0	34
35			0	0	0	0	0	35
36			0	0	0	0	0	36
37			0	0	0	0	0	37
38			0	0	0	0	0	38
39			0	0	0	0	0	39
40			0	0	0	0	0	40
41			0	0	0	0	0	41
42			0	0	0	0	0	42
43			0	0	0	0	0	43
44			0	0	0	0	0	44
45			0	0	0	0	0	45
46			0	0	0	0	0	46
47			0	0	0	0	0	47
48			0	0	0	0	0	48
49			0	0	0	0	0	49
50			0	0	0	0	0	50
51			0	0	0	0	0	51
52			0	0	0	0	0	52
53			0	0	0	0	0	53
54			0	0	0	0	0	54
55			0	0	0	0	0	55
56			0	0	0	0	0	56
57			0	0	0	0	0	57
58			0	0	0	0	0	58
59			0	0	0	0	0	59
60			0	0	0	0	0	60
61			0	0	0	0	0	61

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	0 FERC	TOTAL COMPANY	LINE NO
1	OPERATING REVENUES							1
2	SALES OF ELECTRICITY		208,270,496	148,071,951	33,708,506	0	390,050,953	2
3	OTHER OPERATING REVENUE		12,671,805	10,047,294	2,383,616	33,129,830	58,232,545	3
4								4
5	<b>TOTAL OPERATING REVENUE</b>		<b>220,942,301</b>	<b>158,119,244</b>	<b>36,092,122</b>	<b>33,129,830</b>	<b>448,283,498</b>	5
6								6
7	OPERATING EXPENSES							7
8	PRODUCTION EXPENSES		86,674,607	59,756,799	14,397,242	122,299	160,950,946	8
9	TRANSMISSION EXPENSES		18,389,291	13,507,453	3,150,058	265,041	35,311,843	9
10	DISTRIBUTION EXPENSES		7,582,399	7,680,921	1,621,012	33,052	16,917,384	10
11	CUSTOMER ACCOUNTING EXPENSES		6,543,844	6,091,579	1,214,260	242	13,849,926	11
12	CUSTOMER SERVICE AND INFORMATION EXPENSES		8,996,725	1,382,509	718,505	0	11,097,740	12
13	SALES EXPENSES		242,961	222,472	8,194	0	473,627	13
14	ADMINISTRATIVE AND GENERAL EXPENSES		24,124,190	19,596,616	4,435,673	1,726,666	49,883,144	14
15	CHARITABLE CONTRIBUTIONS		0	0	0	0	0	15
16	DEPRECIATION EXPENSE		27,297,294	21,425,301	5,001,967	2,318,054	56,042,616	16
17	AMORTIZATION OF BIG STONE PLANT CAPITALIZED COST		0	0	0	0	0	17
18	SPIRITWOOD AMORTIZATION		0	0	0	0	0	18
19	GENERAL TAXES		6,184,575	4,905,891	1,150,342	3,134,389	15,375,197	19
20								20
21	<b>TOTAL OPERATING EXPENSES</b>		<b>186,035,886</b>	<b>134,569,541</b>	<b>31,697,252</b>	<b>7,599,743</b>	<b>359,902,423</b>	21
22								22
23								23
24	<b>NET OPERATING INCOME BEFORE INCOME TAXES</b>		<b>34,906,415</b>	<b>23,549,703</b>	<b>4,394,870</b>	<b>25,530,086</b>	<b>88,381,075</b>	24
25								25
26	INCOME TAX EXPENSE							26
27	INVESTMENT TAX CREDIT		(662,788)	(526,207)	(123,070)	(91,272)	(1,403,336)	27
28	DEFERRED INCOME TAXES		1,074,154	1,317,383	(34,160)	239,604	2,595,680	28
29	INCOME TAXES		7,697,820	4,304,134	569,837	8,410,697	20,982,489	29
30								30
31	<b>TOTAL INCOME TAX EXPENSE</b>		<b>8,109,187</b>	<b>5,095,310</b>	<b>412,608</b>	<b>8,559,029</b>	<b>22,174,832</b>	31
32								32
33								33
34	<b>NET OPERATING INCOME</b>		<b>26,797,228</b>	<b>18,454,393</b>	<b>3,982,262</b>	<b>16,971,057</b>	<b>66,206,242</b>	34
35								35
36	Allowance for Funds Used During Construction		1,046,640	0	0	5,164	2,027,574	36
37	Allowance for Funds Used During Construction - MN Only		0	0	0	0	0	37
38	Allowance for Funds Used During Construction - SD Only		0	0	0	0	0	38
39	<b>TOTAL ALLOWANCE FOR FUNDS USED DURING CONSTRU</b>		<b>1,046,640</b>	<b>0</b>	<b>0</b>	<b>5,164</b>	<b>2,027,574</b>	39
40								40
41	<b>TOTAL AVAILABLE FOR RETURN</b>		<b>27,843,868</b>	<b>18,454,393</b>	<b>3,982,262</b>	<b>16,976,221</b>	<b>68,233,817</b>	41
42								42
43								43
44								44
45								45
46								46
47								47
48								48
49								49
50								50
51	AVERAGE CENTS PER KWH							51
52								52
53								53
54								54
55								55
56								56
57								57
58								58
59								59
60								60
61								61
62								62
63								63

\*\*\* NOTE: TOTAL AVAILABLE FOR RETURN WILL NOT ADD ACROSS BECAUSE AFDC IS NOT ALLOCATED TO ALL JURISDICTIONS.

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	OPERATING REVENUES							1
2								2
3	SALES OF ELECTRICITY	R10	208,270,496	148,071,951	33,708,506	0	390,050,953	3
4								4
5								5
6	OTHER OPERATING REVENUES							6
7	SALES FOR RESALE							7
8	MUNICIPALITIES & OFF SYSTEM SALES							8
9	NON-ASSOCIATED UTILITIES, CO-OPS & OPA							9
10	BUY SELL TRANSACTIONS	D2	0	0	0	0	0	10
11	ALL OTHER TRANSACTIONS							11
12	BASE DEMAND	E1	0	0	0	0	0	12
13	PEAK DEMAND	D1	0	0	0	0	0	13
14	BASE ENERGY	E2	8,021	5,646	1,348	11	15,026	14
15	PEAK ENERGY	D1	0	0	0	0	0	15
16								16
17	TOTAL ALL OTHER TRANSACTIONS		8,021	5,646	1,348	11	15,026	17
18								18
19	TOTAL SALES FOR RESALE		8,021	5,646	1,348	199,010	214,025	19
20								20
21								21
22	OTHER ELECTRIC REVENUES							22
23	LATE FEES	C1	332,503	277,669	95,499	0	705,671	23
24	CONNECTION FEES	C1	189,927	135,015	28,952	0	353,894	24
25	RENT FROM ELECTRIC PROPERTY	NEPIS	258,377	204,957	48,059	56,615	568,008	25
26	RENT FROM ELECTRIC PROPERTY - BIG S	NEPIS	5,379	4,267	1,001	1,179	11,825	26
27	RENT FROM ELECTRIC PROPERTY - COY	NEPIS	4,458	3,536	829	977	9,800	27
28	OTHER MISC ELECTRIC REVENUE	NEPIS	1,172,223	929,862	218,036	256,856	2,576,976	28
29	OTHER MISC ELECTRIC REVENUE - MN	C1	0	0	0	0	0	29
30	OTHER MISC ELECTRIC REVENUE - ND	C1	0	0	0	0	0	30
31	OTHER MISC ELECTRIC REVENUE - SD	C1	0	0	0	0	0	31
32	ITA DEFICIENCY PAYMENTS	NEPIS	806,798	639,990	150,066	176,785	1,773,638	32
33		NEPIS	0	0	0	0	0	33
34	MISCELLANEOUS SERVICES	NEPIS	12,783	10,140	2,378	2,801	28,101	34
35	WHEELING		0	0	0	439,772	439,772	35
36	LOAD CONTROL AND DISPATCH	NEPIS	9,878,661	7,836,212	1,837,449	2,164,602	21,716,925	36
37	LOAD CONTROL AND DISPATCH (Direct FE	Direct FERC	0	0	0	29,831,233	29,831,233	37
38	RESIDENTIAL CONSERVATION SERVICES	C1	2,676	0	0	0	2,676	38
39								39
40	TOTAL OTHER ELECTRIC REVENUES		12,663,785	10,041,647	2,382,268	32,930,820	58,018,520	40
41								41
42	TOTAL OTHER OPERATING REVENUES		12,671,805	10,047,294	2,383,616	33,129,830	58,232,545	42
43								43
44								44
45	TOTAL OPERATING REVENUES		220,942,301	158,119,244	36,092,122	33,129,830	448,283,498	45
46								46
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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NORTH DAKOTA

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<b>OPERATING EXPENSES</b>							1
2	<b>PRODUCTION EXPENSES</b>							2
3	PROD EXPENSES EXCLUDING PURCHASED POWER							3
4	BASE DEMAND	E1	8,925,268	5,788,291	1,505,451	13,648	16,232,658	4
5	PEAK DEMAND	D1	2,181,300	1,712,580	399,389	5,326	4,298,595	5
6	BASE ENERGY	E2	36,503,827	25,698,160	6,134,863	50,531	68,387,382	6
7	PEAK ENERGY	D1	258,086	202,629	47,255	630	508,600	7
8	BASE DEMAND (Direct MN)		1,032,569	0	0	0	1,032,569	8
9	PEAK DEMAND (Direct MN)		230,821	0	0	0	230,821	9
10								10
11	<b>TOTAL EXCLUDING PURCHASED POWER</b>		<b>49,131,872</b>	<b>33,401,659</b>	<b>8,086,958</b>	<b>70,136</b>	<b>90,690,624</b>	11
12								12
13								13
14	<b>PURCHASED POWER</b>							14
15	BUY SELL TRANSACTIONS	D2	0	0	0	0	0	15
16	ALL OTHER TRANSACTIONS							16
17	BASE DEMAND	E1	1,341,527	870,019	226,279	2,051	2,439,877	17
18	PEAK DEMAND	D1	0	0	0	0	0	18
19	BASE ENERGY	E2	36,201,208	25,485,120	6,084,005	50,112	67,820,445	19
20	PEAK ENERGY	D1	0	0	0	0	0	20
21								21
22	<b>TOTAL ALL OTHER TRANSACTIONS</b>		<b>37,542,735</b>	<b>26,355,139</b>	<b>6,310,284</b>	<b>52,163</b>	<b>70,260,322</b>	22
23								23
24	<b>TOTAL PURCHASED POWER</b>		<b>37,542,735</b>	<b>26,355,139</b>	<b>6,310,284</b>	<b>52,163</b>	<b>70,260,322</b>	24
25								25
26	<b>TOTAL PRODUCTION EXPENSES</b>		<b>86,674,607</b>	<b>59,756,799</b>	<b>14,397,242</b>	<b>122,299</b>	<b>160,950,946</b>	26
27								27
28								28
29	TRANSMISSION EXPENSES	D2	17,204,342	13,507,453	3,150,058	248,818	34,110,670	29
30	TRANSMISSION EXPENSES (Direct MN)		1,184,949	0	0	0	1,184,949	30
31	TRANSMISSION EXPENSES (Direct FERC)	Direct FERC	0	0	0	16,223	16,223	31
32	<b>TOTAL TRANSMISSION EXPENSES</b>		<b>18,389,291</b>	<b>13,507,453</b>	<b>3,150,058</b>	<b>265,041</b>	<b>35,311,843</b>	32
33								33
34								34
35	<b>DISTRIBUTION EXPENSES</b>							35
36	PRIMARY DEMAND	D3	2,284,323	2,406,793	522,850	32,963	5,246,930	36
37	SECONDARY DEMAND	D4	780,600	902,966	196,795	0	1,880,361	37
38	PRIMARY CUSTOMER	C2	1,439,096	1,383,580	267,593	88	3,090,357	38
39	SECONDARY CUSTOMER	C3	1,024,380	985,321	190,474	0	2,200,175	39
40	STREETLIGHTING	C4	753,131	724,560	184,861	0	1,662,551	40
41	AREA LIGHTING	C5	58,773	74,046	10,230	0	143,049	41
42	METERS	C6	1,242,096	1,203,654	248,210	0	2,693,960	42
43	LOAD MANAGEMENT	C9	0	0	0	0	0	43
44								44
45	<b>TOTAL DISTRIBUTION</b>	OXD	<b>7,582,399</b>	<b>7,680,921</b>	<b>1,621,012</b>	<b>33,052</b>	<b>16,917,384</b>	45
46								46
47								47
48	<b>CUSTOMER ACCOUNTING EXPENSES</b>							48
49	METER READING	C7	2,588,034	2,289,472	478,944	0	5,356,450	49
50	OTHER	C8	3,955,811	3,802,108	735,315	242	8,493,476	50
51								51
52	<b>TOTAL CUSTOMER ACCOUNTS</b>	OXC	<b>6,543,844</b>	<b>6,091,579</b>	<b>1,214,260</b>	<b>242</b>	<b>13,849,926</b>	52
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LINE NO	ITEM	ALLOC		MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<u>CUSTOMER SERVICE &amp; INFORMATION EXPENSE</u>								1
2	CONSERVATION & PROMOTIONAL REBATE	C1	DIRECTLY ASSIGNED TO JURISDICTION	7,551,238	0	449,000	0	8,000,238	2
3	OTHER	C1		1,445,487	1,382,509	269,505	0	3,097,502	3
4									4
5	<b>TOTAL CUSTOMER SERV &amp; INFORMATION</b>	OXI		8,996,725	1,382,509	718,505	0	11,097,740	5
6									6
7									7
8	<u>SALES EXPENSES</u>								8
9	OFF-PEAK DEVELOPMENT	C1	DIRECTLY ASSIGNED TO JURISDICTION	219,466	200,000	3,813	0	423,279	9
10	OTHER	C1		23,495	22,472	4,381	0	50,347	10
11									11
12	<b>TOTAL SALES EXPENSES</b>			242,961	222,472	8,194	0	473,627	12
13									13
14									14
15	<u>ADMINISTRATIVE &amp; GENERAL EXPENSES</u>								15
16	SALARIES, SUPPLIES, PENSIONS & BENEFITS								16
17	PRODUCTION	OXPD		7,857,217	5,283,691	1,345,159	13,272	14,499,338	17
18	TRANSMISSION	D2		2,829,059	2,221,148	517,991	40,915	5,609,114	18
19	DISTRIBUTION	OXD		4,070,714	4,123,607	870,262	17,744	9,082,327	19
20	CUSTOMER ACCOUNTS	OXC		3,412,770	3,176,903	633,265	126	7,223,065	20
21	CUSTOMER SERVICE & INFO	C1		745,090	712,628	138,919	0	1,596,637	21
22									22
23	<b>TOTAL SALARIES, SUPPLIES, PENSIONS, AND BENEF</b>			18,914,850	15,517,977	3,505,597	72,057	38,010,481	23
24									24
25	LOAD MANAGEMENT EXPENSES	C9		0	0	0	0	0	25
26									26
27	OUTSIDE SERVICES	NEPIS		604,833	479,782	112,500	132,530	1,329,645	27
28									28
29	PROPERTY INSURANCE	NEPIS		1,012,976	803,540	188,415	221,962	2,226,894	29
30									30
31	INJURIES & DAMAGES	NEPIS		993,847	788,365	184,857	217,771	2,184,840	31
32									32
33	REGULATORY COMMISSION EXPENSE	R10	DIRECTLY ASSIGNED TO JURISDICTION	716,778	444,626	93,452	1,074,876	2,329,732	33
34									34
35	GENERAL ADVERTISING	C1		9,095	8,698	1,696	0	19,489	35
36									36
37	MISCELLANEOUS, RENTS, MAINTENANCE	P90		1,871,811	1,553,628	349,155	7,469	3,782,064	37
38									38
39	<b>TOTAL ADMINISTRATIVE &amp; GENERAL EXP</b>			24,124,190	19,596,616	4,435,673	1,726,666	49,883,144	39
40									40
41									41
42	CHARITABLE CONTRIBUTIONS	C1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	0	42
43									43
44									44
45	<b>TOTAL O &amp; M EXPENSES</b>			152,554,018	108,238,348	25,544,943	2,147,300	288,484,610	45
46									46
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	DEPRECIATION EXPENSE							1
2	PRODUCTION							2
3	BASE DEMAND	E1	7,957,979	5,160,977	1,342,295	12,169	14,473,420	3
4	PEAK DEMAND	D1	2,942,598	2,310,289	538,780	7,186	5,798,852	4
5	BASE ENERGY	E2	4,573,144	3,219,426	768,566	6,330	8,567,467	5
6								6
7	TOTAL PRODUCTION		15,473,721	10,690,692	2,649,642	25,685	28,839,739	7
8								8
9								9
10	TRANSMISSION	D2	3,456,164	2,713,500	632,812	49,985	6,852,461	10
11	TRANSMISSION (Direct FERC)	Direct FERC	0	0	0	2,202,087	2,202,087	11
12	TOTAL TRANSMISSION		3,456,164	2,713,500	632,812	2,252,072	9,054,548	12
13								13
14								14
15	DISTRIBUTION	P60	5,191,951	5,385,437	1,127,183	27,626	11,732,197	15
16								16
17								17
18	GENERAL	P90	1,131,316	939,007	211,028	4,515	2,285,866	18
19								19
20								20
21	INTANGIBLE	P90	2,044,142	1,696,665	381,301	8,157	4,130,265	21
22								22
23								23
24	TOTAL DEPRECIATION EXPENSE		27,297,294	21,425,301	5,001,967	2,318,054	56,042,616	24
25								25
26								26
27								27
28								28
29								29
30								30
31	BIG STONE EXPENSE OFFSETS	P10	0	0	0	0	0	31
32								32
33								33
34	SPIRITWOOD AMORTIZATION	P10	0	0	0	0	0	34
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NORTH DAKOTA

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	GENERAL TAXES	NEPIS	6,184,575	4,905,891	1,150,342	1,355,158	13,595,966	1
2	GENERAL TAXES (Direct FERC)	Direct FERC	0	0	0	1,779,231	1,779,231	2
3	<b>TOTAL GENERAL TAXES</b>		6,184,575	4,905,891	1,150,342	3,134,389	15,375,197	3
4								4
5	NET OPERATING INCOME BEFORE TAX (NOIBT)		34,906,415	23,549,703	4,394,870	25,530,086	88,381,075	5
6								6
7	<u>INVESTMENT TAX CREDIT</u>							7
8	AMORTIZE PRIOR YEARS CREDIT	EPIS	(662,788)	(526,207)	(123,070)	(91,272)	(1,403,336)	8
9	DEBITS UTILIZED	EPIS	0	0	0	0	0	9
10								10
11	<b>TOTAL INVESTMENT TAX CREDIT</b>		(662,788)	(526,207)	(123,070)	(91,272)	(1,403,336)	11
12								12
13	<u>DEFERRED INCOME TAXES</u>							13
14	ITEMS SOUTH DAKOTA FLOWS THROUGH							14
15	FEDERAL	NPMNR	0	0	0	0	0	15
16	MINNESOTA	NPISM	0	0	0	0	0	16
17	NORTH DAKOTA	NPISN	0	0	0	0	0	17
18								18
19	<b>SUBTOTAL</b>		0	0	0	0	0	19
20								20
21	<u>ALL OTHER</u>							21
22								22
23	FEDERAL- transfer from Current Income Taxes - NOL	NOL	0	0	0	0	0	23
24	FEDERAL (NEPIS)	NEPIS	(183,653)	(145,682)	(34,160)	(40,242)	(403,737)	24
25	FEDERAL		(183,653)	(145,682)	(34,160)	(40,242)	(403,737)	25
26								26
27	MINNESOTA- transfer from Current Income Taxes - NOL	NOL	0	0	0	0	0	27
28	MINNESOTA (NPISM)	NPISM	1,257,807	0	0	275,609	1,533,416	28
29	MINNESOTA		1,257,807	0	0	275,609	1,533,416	29
30								30
31	NORTH DAKOTA- transfer from Current Income Taxes - NOL	NOL	0	569,032	0	4,236	573,268	31
32	NORTH DAKOTA (NPISN)	NPISN	0	894,033	0	0	894,033	32
33	NORTH DAKOTA		0	1,463,065	0	4,236	1,466,000	33
34								34
35	<b>SUBTOTAL</b>		1,074,154	1,317,383	(34,160)	239,604	2,595,680	35
36								36
37	<b>TOTAL DEFERRED INCOME TAXES</b>		1,074,154	1,317,383	(34,160)	239,604	2,595,680	37
38								38
39								39
40	<u>CURRENT INCOME TAXES</u>							40
41	FEDERAL- transfer to Deferred Income Taxes - NOL	NOL	0	0	0	0	0	41
42	FEDERAL CURRENT INCOME TAX		6,899,636	4,304,134	569,837	6,642,633	18,416,239	42
43	FEDERAL INCOME TAXES		6,899,636	4,304,134	569,837	6,642,633	18,416,239	43
44								44
45	MINNESOTA- transfer to Deferred Income Taxes - NOL	NOL	0	0	0	0	0	45
46	MINNESOTA CURRENT INCOME TAX		798,185	0	0	1,768,065	2,566,249	46
47	MINNESOTA INCOME TAXES		798,185	0	0	1,768,065	2,566,249	47
48								48
49	NORTH DAKOTA - transfer to Deferred Income Taxes - NOL	NOL	0	(569,032)	0	(4,236)	(573,268)	49
50	NORTH DAKOTA CURRENT INCOME TAX		0	569,032	0	4,236	573,269	50
51	NORTH DAKOTA INCOME TAXES		0	0	0	(0)	0	51
52								52
53	<b>TOTAL CURRENT INCOME TAXES</b>		7,697,820	4,304,134	569,837	8,410,697	20,982,489	53
54								54
55	<b>TOTAL INCOME TAXES</b>		8,109,197	5,095,310	412,608	8,559,029	22,174,832	55
56								56
57								57
58	<b>NET OPERATING INCOME</b>		26,797,228	18,454,393	3,982,262	16,971,057	66,206,242	58
59								59
60	AFDC	CWIPLT	1,046,640	0	0	5,164	2,027,574	60
61	AFDC - MN Only	CWIPLT	0	0	0	0	0	61
62	AFDC - SD Only	CWIPLT	0	0	0	0	0	62
63	<b>Total AFDC</b>	CWIPLT	1,046,640	0	0	5,164	2,027,574	63
64								64
65	<b>TOTAL AVAILABLE FOR RETURN</b>		27,843,868	18,454,393	3,982,262	16,976,221	68,233,817	65
66								66
67								67
68	RATE OF RETURN ON RATE BASE		5.77%	5.21%	4.27%	10.03%	6.13%	68
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ALLOWED ONLY IN MN & FERC

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NORTH DAKOTA

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	DEVELOPMENT OF FEDERAL INCOME TAX EXPENSE							1
2								2
3	NET OPERATING INCOME BEFORE TAX (NOIBT)		34,906,415	23,549,703	4,394,870	25,530,086	88,381,075	3
4	LESS: INTEREST COST		12,357,993	9,067,310	2,387,879	4,332,491	28,145,673	4
5								5
6	NET INCOME BEFORE TAX		22,548,422	14,482,393	2,006,991	21,197,595	60,235,401	6
7								7
8	<b>FEDERAL SCHEDULE M ADJUSTMENTS:</b>							8
9	ADDITIONAL TAX DEPRECIATION	NEPIS	4,746,795	3,765,378	882,913	1,040,113	10,435,199	9
10	COST TO REMOVE	NEPIS	227,442	180,417	42,305	49,837	500,000	10
11	DIRECTLY ASSIGNED SCHEDULE M ITEMS	NEPIS	0	0	0	0	0	11
12	ACCRUED VACATION PAY	NEPIS	0	0	0	0	0	12
13	CHARGES - OPERATING RESERVES	NEPIS	3,727,291	2,956,660	693,283	816,720	8,193,954	13
14	PROVISIONS - OPERATING RESERVES	NEPIS	(1,233,094)	(978,148)	(229,358)	(270,194)	(2,710,794)	14
15	UNBILLED REVENUES	NEPIS	0	0	0	0	0	15
16	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	0	0	16
17	OTHER SCHEDULE M ITEMS	NEPIS	(5,431,441)	(4,308,471)	(1,010,258)	(1,190,132)	(11,940,302)	17
18								18
19	<b>SUBTOTAL FEDERAL SCHEDULE M ADJUSTMENTS</b>		2,036,992	1,615,837	378,884	446,344	4,478,057	19
20								20
21	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		20,511,429	12,866,557	1,628,107	20,751,251	55,757,344	21
22								22
23	<b>LESS:</b>							23
24	MINNESOTA STATE INCOME TAXES		798,185	0	0	1,768,065	2,566,249	24
25	NORTH DAKOTA STATE INCOME TAXES		0	569,032	0	4,236	573,269	25
26								26
27	<b>FEDERAL TAXABLE INCOME</b>		19,713,245	12,297,525	1,628,107	18,978,950	52,617,826	27
28	FEDERAL TAX RATE		35.00%	35.00%	35.00%	35.00%	35.00%	28
29								29
30	FEDERAL INCOME TAX BEFORE CREDITS		6,899,636	4,304,134	569,837	6,642,633	18,416,239	30
31	INVESTMENT TAX CREDIT - DEBITS UTILIZED	EPIS	0	0	0	0	0	31
32	FEDERAL INCOME TAXES before transfer to Deferred due to N		6,899,636	4,304,134	569,837	6,642,633	18,416,239	32
33	Less Current Federal Income Taxes Transferred to Deferra		0	0	0	0	0	33
34	<b>FEDERAL INCOME TAXES</b>		6,899,636	4,304,134	569,837	6,642,633	18,416,239	34
35								35
36								36
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42								42
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NORTH DAKOTA

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO	
1	DEVELOPMENT OF MINNESOTA STATE INCOME TAX EXPEN							1	
2								2	
3	FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES		20,511,429	0	0	20,751,251	41,282,681	3	
4								4	
5	MINNESOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:							5	
6	PAYSOP ADJUSTMENT	NEPIS	0	0	0	0	0	6	
7	CHANGE IN EXCESS TAX DEPRECIATION - M	NEPIS	(12,759,248)	0	0	(2,795,794)	(28,049,512)	7	
8	CHANGE IN ACRS - ORDINARY LOSS	NEPIS	0	0	0	0	0	8	
9	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	0	0	9	
10	MISCELLANEOUS ADJUSTMENTS TO FED S	NEPIS	392,560	0	0	86,017	862,991	10	
11								11	
12	TOTAL MINNESOTA ADJUSTMENTS TO FED SCHEDULE M		(12,366,688)	0	0	(2,709,776)	(27,186,521)	12	
13								13	
14	MINNESOTA TAXABLE INCOME		8,144,742	0	0	18,041,475	26,186,217	14	
15	MINNESOTA TAX RATE		9.80%	0.00%	0.00%	9.80%	9.80%	15	
16								16	
17	MINNESOTA INCOME TAX prior to transfer to Deferred Income		798,185	0	0	1,768,065	2,566,249	17	
18	Minnesota Current Income Tax transfer to Deferred Income Tax d		0	0	0	-	0	18	
19	MINNESOTA INCOME TAX		798,185	0	0	1,768,065	2,566,249	19	
20								20	
21								21	
22								22	
23								23	
24								24	
25								25	
26								26	
27	DEVELOPMENT OF NORTH DAKOTA STATE INCOME TAX D							27	
28								28	
29	FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES		0	12,866,557	0	0	12,866,557	29	
30								30	
31	NORTH DAKOTA ADJUSTMENTS TO FEDERAL SCHEDULE M							31	
32	CHANGE IN EXCESS TAX DEPRECIATION - N	NEPIS	0	(1,749)	0	(483)	(4,848)	32	
33	CHANGE IN ACRS - ORDINARY LOSS - ND	NEPIS	0	0	0	0	0	33	
34	CHANGE IN INCOME FROM ADR PROPERTY	NEPIS	0	0	0	0	0	34	
35	MISCELLANEOUS ADJUSTMENTS TO FED S	NEPIS	0	357,587	0	98,776	991,000	35	
36								36	
37	TOTAL NORTH DAKOTA ADJUSTMENTS TO FED SCHEDULE M		0	355,838	0	98,293	986,152	37	
38								38	
39	SUBTOTAL		0	13,222,394	0	98,293	N/A	39	
40	DEDUCTION OF FEDERAL INCOME TAXES		0		0	0	0	40	
41								41	
42	NORTH DAKOTA TAXABLE INCOME		0	13,172,394	0	98,293	13,270,687	42	
43	NORTH DAKOTA TAX RATE		0.00%	4.31%	0.00%	4.31%	4.31%	43	
44								44	
45	NORTH DAKOTA INCOME TAX prior to transfer to Deferred Inco		0	569,032	0	4,236	573,269	45	
46	North Dakota Current Income Tax transfer to Deferred Income Ta		0	(569,032)	0	(4,236)	(573,268)	46	
47	NORTH DAKOTA INCOME TAX		0	0	0	(0)	0	47	
48								48	
49								49	
50								50	
51	* SEE BELOW				MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	TOTAL	51
52									52
53	FERC STATE INCOME TAX FACTOR:								53
54	MUNICIPAL REVENUE				198,999	0	0	198,999	54
55	WHEELING REVENUE				439,772	0	0	439,772	55
56									56
57	TOTAL				638,770	0	0	638,770	57
58									58
59	PERCENTAGE OF TOTAL				100.00%	0.00%	0.00%	100.00%	59
60	FEDERAL ADJ INCOME BEFORE TAXES - FERC				20,751,251	20,751,251	20,751,251	20,751,251	60
61									61
62	FERC FED ADJ INCOME - STATE TAX CALC				20,751,251	0	0	20,751,251	62
63									63
64									64

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ALLOCATION

LINE NO	ITEM	FACTOR	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	MWH CONSUMPTION AT GENERATORS - PAF	E1	2,593,582	1,682,012	437,467	3,966	4,717,027	1
2	PERCENTAGE		54.98340%	35.65831%	9.27421%	0.08408%	100.00000%	2
3								3
4	MWH CONSUMPTION AT GENERATORS - TOT	E2	2,813,773	1,980,855	472,885	3,895	5,271,408	4
5	PERCENTAGE		53.37802%	37.57734%	8.97075%	0.07389%	100.00000%	5
6								6
7	GENERATION DEMAND FACTOR	D1	375,938	295,156	68,833	918	740,845	7
8	PERCENTAGE		50.74449%	39.84045%	9.29115%	0.12391%	100.00000%	8
9								9
10	TRANSMISSION DEMAND FACTOR	D2	375,938	295,156	68,833	5,437	745,364	10
11	PERCENTAGE		50.43683%	39.59891%	9.23482%	0.72944%	100.00000%	11
12								12
13	DISTRIBUTION - PRIMARY DEMAND FACTOR	D3	382,946	403,477	87,651	5,526	879,600	13
14	PERCENTAGE		43.53638%	45.87051%	9.96487%	0.62824%	100.00000%	14
15								15
16	DISTRIBUTION - SECONDARY DEMAND FACT	D4	484,988	561,014	122,269	0	1,168,271	16
17	PERCENTAGE		41.51331%	48.02088%	10.46581%	0.00000%	100.00000%	17
18								18
19	CUSTOMER OR METER FACTORS							19
20	TOTAL RETAIL CUSTOMERS	C1	62,270	59,557	11,610	0	133,437	20
21	PERCENTAGE		46.66622%	44.63305%	8.70074%	0.00000%	100.00000%	21
22								22
23	RETAIL SERVICE LOCATIONS	C2	65,272	62,754	12,137	4	140,167	23
24	PERCENTAGE		46.56731%	44.77088%	8.65896%	0.00285%	100.00000%	24
25								25
26	SECONDARY SERVICE LOCATIONS	C3	65,225	62,738	12,128	0	140,091	26
27	PERCENTAGE		46.55902%	44.78375%	8.65723%	0.00000%	100.00000%	27
28								28
29	STREET LIGHTING FACTOR	C4	2,475,177	2,381,279	607,548	0	5,464,004	29
30	PERCENTAGE		45.29969%	43.58121%	11.11910%	0.00000%	100.00000%	30
31								31
32	AREA LIGHTING FACTOR	C5	1,966,717	2,477,820	342,328	0	4,786,865	32
33	PERCENTAGE		41.08570%	51.76290%	7.15140%	0.00000%	100.00000%	33
34								34
35	METER FACTOR	C6	24,253,657	23,503,024	4,846,644	0	52,603,325	35
36	PERCENTAGE		46.10670%	44.67973%	9.21357%	0.00000%	100.00000%	36
37								37
38	METER READING FACTOR	C7	88,079	77,918	16,300	0	182,297	38
39	PERCENTAGE		48.31621%	42.74234%	8.94145%	0.00000%	100.00000%	39
40								40
41	SYSTEM SERVICE LOCATIONS	C8	65,294	62,757	12,137	4	140,192	41
42	PERCENTAGE		46.57470%	44.76504%	8.65741%	0.00285%	100.00000%	42
43								43
44	LOAD MANAGEMENT FACTOR	C9	20,051	18,627	4,093	0	42,771	44
45	PERCENTAGE		46.87990%	43.55054%	9.56957%	0.00000%	100.00000%	45
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LINE NO	ITEM	ALLOCATION FACTOR	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1								1
7	GROSS PLANT IN SERVICE							2
8	PRODUCTION PLANT	P10	484,168,239	330,519,064	83,439,673	800,539	898,927,514	2
9	PERCENTAGE		53.860654%	36.76816%	9.28214%	0.089055%	100.000000%	3
10	DISTRIBUTION PLANT	P60	220,381,104	228,593,947	47,845,201	1,172,619	497,992,871	4
11	PERCENTAGE		44.253867%	45.90306%	9.60761%	0.235469%	100.000000%	5
12	GENERAL PLANT	P90	43,859,510	36,403,979	8,181,268	175,022	88,619,779	6
13	PERCENTAGE		49.491784%	41.07884%	9.23188%	0.197498%	100.000000%	7
14	ELECTRIC PLANT IN SERVICE	EPIS	955,241,983	758,395,145	177,374,080	131,545,933	2,022,557,141	8
15	PERCENTAGE		47.229419%	37.49685%	8.76979%	6.503941%	100.000000%	9
16	NET ELECTRIC PLANT IN SERVICE	NEPIS	571,881,393	453,642,842	106,370,990	125,310,077	1,257,205,303	10
17	PERCENTAGE		45.488308%	36.08343%	8.46091%	9.967352%	100.000000%	11
18	OPERATION AND MAINTENANCE EXPENSE	OXPD	12,448,095	8,370,890	2,131,119	21,026	22,971,130	12
19	PRODUCTION EXPENSE (EXCL ENERGY)		54,190174%	36.44091%	9.27738%	0.091533%	100.000000%	13
20	PERCENTAGE							14
21	DISTRIBUTION EXPENSE	OXD	7,582,399	7,680,921	1,621,012	33,052	16,917,384	15
22	PERCENTAGE		44.820164%	45.40253%	9.58193%	0.195370%	100.000000%	16
23	CUSTOMER ACCOUNTS EXPENSE	OXC	6,543,844	6,091,579	1,214,260	242	13,849,926	17
24	PERCENTAGE		47.248226%	43.98276%	8.76726%	0.001750%	100.000000%	18
25	CUSTOMER SERVICE & INFORMATION EXPE	OXI	1,445,487	1,382,509	269,505	0	3,097,502	19
26	PERCENTAGE		46.666217%	44.63305%	8.70074%	0.000000%	100.000000%	20
27	OTHER DEFERRED INCOME TAX FACTOR							21
28	MINNESOTA	NPISM	571,881,393	0	0	125,310,077	697,191,470	22
29	PERCENTAGE		82.026447%	0.000000%	0.000000%	17.973553%	100.000000%	23
30	NORTH DAKOTA	NPISN	0	453,642,842	0	0	453,642,842	24
31	PERCENTAGE		0.000000%	100.000000%	0.000000%	0.000000%	100.000000%	25
32	EXCLUDING SOUTH DAKOTA	NPMNR	571,881,393	453,642,842	0	125,310,077	1,150,834,312	26
33	PERCENTAGE		49.692765%	39.41861%	0.000000%	10.888629%	100.000000%	27
34	LONG-TERM CWIP RATIO (W/AFDC)	CWIPLT	14,759,234	0	0	72,825	28,591,925	28
35	PERCENTAGE		51.620288%	0.000000%	0.000000%	0.254705%	100.000000%	29
36	REVENUE	R10	208,270,496	148,071,951	33,708,506	0	390,050,953	30
37	PERCENTAGE		53.395715%	37.96221%	8.64208%	0.000000%	100.000000%	31
38	LABOR AND RELATED EXPENSE	LRE	76,899,596	56,629,968	13,270,627	2,029,804	148,829,994	32
39	PERCENTAGE		51.669420%	38.05010%	8.91663%	1.363841%	100.000000%	33
40	TOTAL O & M EXPENSE	OX						34
41	PERCENTAGE							35
42								36
43								37
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LINE NO	ITEM	AMOUNT	A PERCENT OF TOTAL	COST OF CAPITAL	RATE OF RETURN	LINE NO
1	CAPITAL STRUCTURE - RATE OF RETURN					1
2						2
3						3
4	LONG-TERM DEBT	508,651,995	47.50%	5.39%	2.56%	4
5						5
6	PREFERRED STOCK	0	0.00%	0.00%	0.00%	6
7						7
8	COMMON EQUITY	562,251,832	52.50%	6.11%	3.21%	8
9						9
10	TOTAL	1,070,903,826	100.00%		5.77%	10
11						11
12						12
13						13
14						14
15						15
16		508,651,995	47.50%	5.39%	2.56%	16
17						17
18		0	0.00%	0.00%	0.00%	18
19						19
20		562,251,832	52.50%	5.05%	2.65%	20
21						21
22						22
23		1,070,903,826	100.00%		5.21%	23
24						24
25						25
26						26
27						27
28		508,651,995	47.50%	5.39%	2.56%	28
29						29
30		0	0.00%	0.00%	0.00%	30
31						31
32		562,251,832	52.50%	3.26%	1.71%	32
33						33
34						34
35		1,070,903,826	100.00%		4.27%	35
36						36
37						37
38						38
39						39
40		508,651,995	47.50%	5.39%	2.56%	40
41						41
42		0	0.00%	0.00%	0.00%	42
43						43
44		562,251,832	52.50%	14.23%	7.47%	44
45						45
46						46
47		1,070,903,826	100.00%		10.03%	47
48						48
49						49
50						50
51		508,651,995	47.50%	5.39%	2.56%	51
52						52
53		0	0.00%	0.00%	0.00%	53
54						54
55		562,251,832	52.50%	6.80%	3.57%	55
56						56
57						57
58						58
59		1,070,903,826	100.00%		6.13%	59
60						60

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LINE NO	ITEM	ALLOCATION	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<u>CASH WORKING CAPITAL CALCULATION - REVENUE LEAD</u>							
2	<u>REVENUES</u>							
3								
4	COMPUTER MAINTAINED BILLINGS		189,409,012	139,663,370	20,899,817	0	349,972,199	4
5	MANUALLY MAINTAINED BILLINGS		18,017,026	13,285,105	1,988,039	0	33,290,169	5
6	COST OF ENERGY REVENUES	R10	1,366,888	(4,463,840)	10,945,102	23,428	7,871,578	6
7	SALES FOR RESALE		8,021	5,646	1,348	175,582	190,597	7
8	RENT FROM ELECTRIC PROPERTY		258,377	204,957	48,059	56,615	568,008	8
9	MISCELLANEOUS		1,172,223	929,862	218,036	256,856	2,576,976	9
10	ITA DEFICIENCY PAYMENTS		806,798	639,990	150,066	176,785	1,773,638	10
11	WHEELING		0	0	0	439,772	439,772	11
12	LOAD CONTROL AND DISPATCH		9,878,661	7,836,212	1,837,449	31,995,835	51,548,158	12
13	RENT FROM ELECTRIC PROPERTY - BIG STONE		5,379	4,267,01	1,001	1,179	11,825	13
14	RENT FROM ELECTRIC PROPERTY - COYOTE		4,458	3,536	829	977	9,800	14
15	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	0	0	15
16	MISCELLANEOUS SERVICES		12,783	10,140	2,378	2,801	28,101	16
17	RESIDENTIAL CONSERVATION SERVICES		2,676	0	0	0	2,676	17
18								18
19	<b>TOTAL REVENUES</b>		<b>220,942,301</b>	<b>158,119,244</b>	<b>36,092,122</b>	<b>33,129,830</b>	<b>448,283,498</b>	19
20								20
21	<u>REVENUE LEAD DAYS FROM SERVICE TO COLLECTION</u>							
22								22
23	COMPUTER MAINTAINED BILLINGS		43.4	43.4	43.4	43.4	N/A	23
24	MANUALLY MAINTAINED BILLINGS		41.3	41.3	41.3	41.3	N/A	24
25	COST OF ENERGY REVENUES		98.3	127.7	113.6	81.1	N/A	25
26	SALES FOR RESALE		23.1	23.1	23.1	23.1	N/A	26
27	RENT FROM ELECTRIC PROPERTY		(92.4)	(92.4)	(92.4)	(92.4)	N/A	27
28	MISCELLANEOUS		34.9	34.9	34.9	34.9	N/A	28
29	ITA DEFICIENCY PAYMENTS		48.4	48.4	48.4	48.4	N/A	29
30	WHEELING		35.8	35.8	35.8	35.8	N/A	30
31	LOAD CONTROL AND DISPATCH		27.9	27.9	27.9	27.9	N/A	31
32	RENT FROM ELECTRIC PROPERTY - BIG STONE		42.7	39.9	63.6	28.0	N/A	32
33	RENT FROM ELECTRIC PROPERTY - COYOTE		42.7	39.9	63.6	28.0	N/A	33
34	PROFIT ON MATERIALS AND SUPPLIES		42.7	39.9	63.6	28.0	N/A	34
35	MISCELLANEOUS SERVICES		42.7	39.9	63.6	28.0	N/A	35
36	RESIDENTIAL CONSERVATION SERVICES		42.7	39.9	63.6	28.0	N/A	36
37								37
38								38
39	<u>REVENUE DOLLAR DAYS (REVENUES X REVENUE LEAD D</u>							
40	COMPUTER MAINTAINED BILLINGS		8,220,351,128	6,061,390,279	907,052,047	0	15,188,793,454	40
41	MANUALLY MAINTAINED BILLINGS		744,103,159	548,674,817	82,106,018	0	1,374,883,994	41
42	COST OF ENERGY REVENUES		134,365,090	(570,108,920)	1,243,207,500	1,900,011	809,363,681	42
43	SALES FOR RESALE		184,955	130,206	31,084	4,048,916	4,395,161	43
44	RENT FROM ELECTRIC PROPERTY		(23,876,633)	(18,940,052)	(4,441,098)	(5,231,824)	(52,489,606)	44
45	MISCELLANEOUS		40,934,023	32,470,765	7,613,804	8,969,422	89,988,014	45
46	ITA DEFICIENCY PAYMENTS		39,049,028	30,975,499	7,263,191	8,556,384	85,844,099	46
47	WHEELING		0	0	0	0	15,726,231	47
48	LOAD CONTROL AND DISPATCH		275,614,646	218,630,319	51,264,831	892,683,807	1,438,193,603	48
49	RENT FROM ELECTRIC PROPERTY - BIG STONE		229,691	170,254	63,634	33,003	496,581	49
50	RENT FROM ELECTRIC PROPERTY - COYOTE		190,350	141,093	52,735	27,350	411,529	50
51	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	0	0	51
52	MISCELLANEOUS SERVICES		545,814	404,573	151,214	78,425	1,180,026	52
53	RESIDENTIAL CONSERVATION SERVICES		114,265	0	0	0	114,265	53
54								54
55	<b>TOTAL DOLLAR DAYS</b>		<b>9,431,805,516</b>	<b>6,303,938,834</b>	<b>2,294,364,959</b>	<b>926,791,724</b>	<b>18,956,901,033</b>	55
56								56
57								57
58	<b>AVG REVENUE LEAD DAYS (TOTAL REV DOLLAR DAYS / T</b>		<b>42.7</b>	<b>39.9</b>	<b>63.6</b>	<b>28.0</b>	<b>42.3</b>	58
59								59
60								60

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A. 2018 Test Year Workpaper

2. Class Cost of Service Study  
(CCOSS)

The North Dakota Class Cost of Service Study can be found in Volume 3, Section E, Schedule 3

Volume 4A

A. 2018 Test Year Workpaper

3. Functionalization



Otter Tail Power Company Functionalization 2018 Test Year			
Line #	Description	Operating Statement Amounts	
		Accounts	2018 Test Year
1	<b>Steam Power Generation:</b>		(2)
2	Supervision and Engineering	401 - 500	2,241,304
3	Fuel	401 - 501	54,305,365
4	Steam Expense	401 - 502	5,065,806
5	Electrical Expense	401 - 505	2,725,371
6	Miscellaneous Expense	401 - 506	5,625,956
7	Rent	401 - 507	376
	Allowances	401 - 509	6,000
8			
9	<b>Steam Power Maintenance:</b>		
10	Supervision and Engineering	402 - 510	985,523
11	Structures	402 - 511	953,820
12	Boiler	402 - 512	8,889,850
13	Electric	402 - 513	2,214,626
14	Miscellaneous	402 - 514	1,732,514
15			
16	<b>Hydro:</b>		
17	Supervision and Engineering	401 - 535	21,209
17A	Electric Expense	401 - 537 & 538	119,453
18	Miscellaneous Expense	401 - 539	6,901
19	Rents	401 - 540	-
20	Supervision & Engineering	402 - 541	2,842
21	Structures	402 - 542	7,607
22	Reservoirs - Dams	402 - 543	266,776
23	Electric	402 - 544	17,838
24	Miscellaneous Expense	402 - 545	1,674
25			
26	<b>IC:</b>		
27	Supervision and Engineering	401 - 546	139,502
27A	Supervision and Engineering-Wind	401 - 546(W)	61,031
28	Fuel	401 - 547	508,600
28A	Generation Expense	401 - 548	478,405
28B	Generation Expense-Wind	401 - 548(W)	2,140,874
29	Miscellaneous Expense	401 - 549	934,128
29A	Miscellaneous Expense-Wind	401 - 549(W)	29,292
29B	Rents	401 - 550	7,842
29C	Rents-Wind	401 - 550(W)	605,263
30	Supervision and Engineering	402 - 551	36,478
30A	Supervision and Engineering-Wind	402 - 551(W)	-
31	Structures	402 - 552	40,327
32	Generating and Electric	402 - 553	691,878
32A	Generating and Electric-Wind	402 - 553(W)	3,275
33	Miscellaneous Expense	402 - 554	(56,304)
33A	Miscellaneous Expense-Wind	402 - 554(W)	69,216
34			
35	<b>Other Power Supply Expenses:</b>		
36	System Control and Dispatch	401 - 556	584,423
36A	Other Expenses	401 - 557	239,088
37			
38	<b>Transmission Expenses:</b>		
39	Supervision and Engineering	401 - 560	461,603
40	Load Dispatching	401 - 561	4,491,329
41	Station Expense	401 - 562	356,660
42	Overhead Lines	401 - 563	320,668
42A	Transmission of Electricity by Others	401 - 565	21,694,612
43	Miscellaneous Expense	401 - 566	1,972,101
44	Rents	401 - 567	34,972
45	Supervision and Engineering	402 - 568	234,569
45A	Computer Hardware, Software, etc	402 - 569	953,401
46	Station Equipment	402 - 570	1,426,767
47	Overhead System	402 - 571	2,568,723
48	Underground Lines	402 - 572	-
48A	Maintenance of Miscellaneous Plant	402 - 573	-
48B	Day-Ahead & Real-Time and Transmission Market Expense	401 - 575	563,255
48C	Computer Software	402 - 576	233,184
49			
50	<b>Distribution Expense:</b>		
51	Operation, Supervision & Engineering	401 - 580	282,930
51A	Load Dispatching	401 - 581	264,990
52	Station Expenses	401 - 582	288,304
53	Line Expenses	401 - 583	386,897
54	Underground Line Expenses	401 - 584	1,462,508
55	Streetlighting & Signal System	401 - 585	1,483
56			
57	Not Used	401 - 586.01	
58	Not Used	401 - 586.02	
59	Not Used	401 - 586.03	
60	Not Used	401 - 586.04	
61	Not Used	401 - 586.05	
62	Not Used	401 - 586.06	
63	Not Used	401 - 586.07	
64	Meter Expenses:	401 - 586	961,020
65	Other Distribution Expenses	401 - 587	291,190
66	Miscellaneous Distribution Expenses	401 - 588	2,987,571
67	Rents	401 - 589	265,841
68	Maintenance, Supervision & Engineering	402 - 590	754,325
69	Maintenance of Station Equipment	402 - 592	750,629
70	Maintenance of Overhead Lines	402 - 593	5,029,839
71	Maintenance of Underground Lines	402 - 594	1,132,581
72	Maintenance of Line Transformers	402 - 595	47,846
73	Maintenance of Streetlighting & Signal	402 - 596	1,173,607
74	Maintenance of Meters:	402 - 597	721,512
75	Not Used	402 - 597.01	
76	Not Used	402 - 597.02	
77	Not Used	402 - 597.03	
78	Maintenance of Property in A/C 371	402 - 598	114,310

Otter Tail Power Company Functionalization 2018 Test Year			
Line #	Description	Accounts	(3)
			Statement Amounts 2018 Test Year
1	<b>Customer Accounting:</b>		
2	Supervision	401 - 901	210,470
3	Meter Reading Expenses	401 - 902	5,275,061
4	Customer Records & Collection Expense	401 - 903	6,955,859
5	Uncollectible Accounts	401 - 904	900,000
6	Miscellaneous Expenses	401 - 905	508,546
			401 = 13,849,925.61
8	<b>Customer Service and Information Expense:</b>		
9	Supervision	401 - 907	861,727
11	Customer Assistance Expenses	401 - 908	1,750,602
12	Not Used	401 - 908.2	
13	Not Used	401 - 908.3	
14	Not Used	401 - 908.4	
15	Not Used	401 - 908.11	
16	Not Used	401 - 908.12	
17	Not Used	401 - 908.13	
18	Conservation Investment Program - SD	401 - 908.16	449,000
19	Conservation Investment Program - ND	401 - 908.17	0
20	Conservation Investment Program - MN	401 - 908.18	7,551,238
21	Not Used	401 - 908.22	
22	Not Used	401 - 908.23	
23	Info & Instr Advertising Expense	401 - 909	431,892
24	Miscellaneous Expenses	401 - 910	53,281
			401 = 11,097,740.24
26	<b>Sales Expenses:</b>		
27	Supervisory Labor and Expenses	401 - 911	28,208
28	Minnesota Economic Development	401 - 912	219,466
29	North Dakota Economic Development	401 - 912	68,871
30	South Dakota Economic Development	401 - 912	3,813
31	Not Used	401 - 912.04	
32	Expenses - Sales & Demonstrations	401 - 912	38,758
33	Not Used	401 - 912.10	
34	Not Used	401 - 912.11 & 12	
35	Not Used	401 - 912.13	
36	Not Used	401 - 912.14	
37	Not Used	401 - 912.20	
38	Not Used	401 - 912.21 & 22	
39	Not Used	401 - 912.23	
40	Not Used	401 - 912.24	
41	Not Used	401 - 912.30	
42	Not Used	401 - 912.32	
43	Not Used	401 - 912.33	
44	Not Used	401 - 912.34	
45	Advertising	401 - 913	1,423
46	Miscellaneous Sales Expense	401 - 916	11,590
47	Not Used	401 - 916.02	
48	Not Used	401 - 916.03	
49	Not Used	401 - 916.04	
50	Not Used	401 - 916.08	
51	Not Used	401 - 916.10	
52	Not Used	401 - 916.11	
53	Not Used	401 - 916.12	
54	Not Used	401 - 916.13	
55	Not Used	401 - 916.20	
56	Not Used	401 - 916.21	
57	Not Used	401 - 916.22	
58	Not Used	401 - 916.23	
59	Not Used	401 - 916.30	
60	Not Used	401 - 916.31	
61	Not Used	401 - 916.32	
62	Not Used	401 - 916.33	
			401 = 372,128.61
64	<b>Operating Expenses - Admin &amp; General:</b>		
65	Salaries, Office Supplies & Expenses	401 - 920	21,708,216
66	Various Admin & General Expenses	401 - 921	9,708,239
67	Capitalized Admin & General Expenses	401 - 922	(3,063,358)
68	Outside Services Employed	401 - 923	1,329,645
69	Property Insurance	401 - 924	1,623,436
69A	Property Insurance-Wind	401 - 924(V)	603,458
70	Injuries & Damages	401 - 925	2,184,840
71	Employee Pensions & Benefits	401 - 926	10,160,901
72	Regulatory Commission Expenses	401 - 928	2,846,860
73	Miscellaneous General Expenses	401 - 930	1,554,272
74	Informational Advertising	401 - 930.01	524,098
75	Rents	401 - 931	408,270
76	Maintenance Expenses	<b>402 - 935</b>	2,343,620
77	Radio Load Control Equipment	402 - 935.06	0
			401 = 49,064,779.40

Check Totals	Amounts
Total 401 =	187,318,716.60
Total 402 =	33,342,853.70
Plus 555 (2)	70,280,323
Total	290,921,893.09
GL Total (2)	290,921,893.09
Difference	0.00

Otter Tail Power Company Functionalization 2018 Test Year										
Line #	Factors	Peak	Base							Line #
1	<b>Base/Peak Split</b>									1
2	2018 Excluding Wind - (3)	18.27%	81.73%	100.00%						2
3	2018 Wind - (4)	23.03%	76.97%	100.00%						3
4										4
5	<b>Description</b>									5
6										6
7	<b>Ending Balances</b>									7
8	Land	1,306,580								8
9	Station Equipment	99,087,798								9
10	Poles, Towers & Fixtures	46,185,447	0	20,660,285	0	3,583,311	1,752,408			10
11	Overhead Conductors & Devices	24,148,420	13,703,488	6,659,166	3,116,910	2,258,834	1,104,677			11
12	Underground Conduit	0	0	0	0	0	0			12
13	Underground Conductors & Devices	15,568,337	4,114,300	50,790,714	4,780,398	2,530,865	281,207			13
14	Line Transformers	0	61,425,536	0	34,757,505	0	0			14
15	Services	0	8,794,392	0	4,269,965	0	0			15
16	Underground Services	0	13,986,727	0	27,355,239	0	0			16
17	Meters							26,594,087		17
18	Load Management Switches								8,713,737	18
19	Interruption Monitors									19
20	Installation on Customers' Premises			0	0					20
21	All Other Private Lighting									21
22	Streetlighting & Signal Systems					5,580,148	4,882,393			22
23										23
24	<b>Total Ending Balances</b>	186,296,581	102,024,443	78,110,165	74,280,016	13,953,157	8,020,685	26,594,087	8,713,737	24
25										25
26										26
27	<b>Distribution Expenses</b>	<b>Primary Demand</b>	<b>Secondary Demand</b>	<b>Primary Customer</b>	<b>Secondary Customer</b>	<b>Street Lights</b>	<b>Area Lights</b>	<b>Meters</b>	<b>Load Management</b>	27
28	Operation, Supervision & Engineering	49,727	30,150	55,692	62,982	3,521	684	80,174	0	28
29	Load Dispatching	41,811	28,338	55,517	59,197	3,860	912	75,355	0	29
30	Station Expenses	288,304								30
31	Line Expenses	117,081	139,703	45,477	70,155	9,725	4,756			31
32	Underground Line Expenses	190,681	221,702	622,085	393,598	30,998	3,444			32
33	Streetlighting & Signal System					1,483				33
34	Meter Expenses:							961,020	0	34
35	Other Distribution Expenses				291,190					35
36	Miscellaneous Distribution Expenses	525,089	318,370	588,073	665,049	37,180	7,224	846,586	0	36
37	Rents	170,099		76,091		13,197	6,454			37
38	Maintenance, Supervision & Engineering	324,097	95,779	138,205	55,158	131,058	10,029			38
39	Maintenance of Station Equipment	750,629								39
40	Maintenance of Overhead Lines	2,596,705	830,615	1,008,626	272,721	215,690	105,483			40
41	Maintenance of Underground Lines	147,665	171,688	481,749	304,806	24,005	2,667			41
42	Maintenance of Line Transformers		30,556		17,290					42
43	Maintenance of Streetlighting & Signal					1,173,607				43
44	Maintenance of Meters:							721,512	0	44
45	Maintenance of Property in A/C 371	45,112	13,332	19,237	7,678	18,242	1,396	9,313	0	45
46										46
47	<b>Total Distribution Expenses</b>	5,247,000	1,880,232	3,090,752	2,199,824	1,662,567	143,049	2,693,960	0	47
48										48
49										49
50										50
51		<b>Production</b>	<b>Transmission</b>	<b>Distribution</b>	<b>Customer Accounting</b>	<b>Customer Service</b>				51
52	<b>Labor Ratios: 2018 (1)</b>	38.15%	14.76%	23.89%	19.00%	4.20%	1.000000			52
53										53

Otter Tail Power Company Functionalization 2018 Test Year											
Line #	Plant in Service	Description		Simple Average 2018					Line #		
1	Production Plant								1		
2	A/C 101 & 106 - Base Demand			513,587,479					2		
3	Peak Demand			176,745,615					3		
4	Base Energy			207,006,166					4		
5									5		
6	Subtotal A/C 101 & 106			897,339,260					6		
7									7		
8	A/C 114 - Base Demand			1,298,081					8		
9	Peak Demand			290,174					9		
10	Base Energy			0					10		
11									11		
12	Subtotal A/C 114			1,588,255					12		
13									13		
14	<b>Total Production Plant</b>			<b>898,927,514</b>					14		
15									15		
16	Transmission Plant								16		
17	A/C 101 & 106			514,924,905					17		
18	A/C 114			58,287					18		
19									19		
20	<b>Total Transmission Plant</b>			<b>514,983,192</b>					20		
21									21		
22	Distribution Plant - A/C 101, 106 & 114								22		
23	Primary Demand-INC A/C 114			186,296,581					23		
24	Secondary Demand			102,024,443					24		
25	Primary Customer			78,110,165					25		
26	Secondary Customer			74,280,016					26		
27	Streetlighting			13,853,157					27		
28	Area Lighting			8,020,685					28		
29	Meters			26,594,087					29		
30	Load Management			8,713,737					30		
31									31		
32	<b>Total Distribution Plant</b>			<b>497,992,871</b>					32		
33									33		
34	General Plant								34		
35	Production			33,683,326					35		
36	Transmission			13,030,498					36		
37	Distribution			21,099,100					37		
38	Customer Accounts			16,779,859					38		
39	Customer Service & Info			3,709,137					39		
40	Load Management			317,859					40		
41									41		
42	<b>Total General Plant</b>			<b>88,619,779</b>	2,000,523,357	14,067,426	29,657	2,014,620,439	2,014,620,439	Difference	0
43											
44											
45											
46											
47											
48	Operating Expenses			Amount							
49	Production Expenses										
50	Production Expenses Excl Purchased Power										
51	Base Demand			17,265,227							
52	Peak Demand			4,529,416							
53	Base Energy			69,400,907							
54	Peak Energy			508,600							
55											
56	<b>Total Excluding Purchased Power</b>			<b>91,704,150</b>							
57											
58	Transmission Expenses			35,311,843							
59											
60	Distribution Expenses										
61	Primary Demand			5,247,000							
62	Secondary Demand			1,880,232							
63	Primary Customer			3,090,752							
64	Secondary Customer			2,199,824							
65	Streetlighting			1,662,567							
66	Area Lighting			143,049							
67	Meters			2,693,960							
68	Load Management			0							
69											
70	<b>Total Distribution</b>			<b>16,917,384</b>							

Otter Tail Power Company Functionalization 2018 Test Year				Amount	Line #
Line #	Description				Line #
1	<b>Customer Accounting Expenses</b>				1
2	Meter Reading			5,356,450	2
3	Other			8,493,476	3
4					4
5	<b>Total Customer Accounts</b>			<b>13,849,926</b>	5
6					6
7	Customer Service & Info Expense - MN			7,551,238	7
8	- ND			0	8
9	- SD			449,000	9
10	- Other			3,097,502	10
11					11
12	<b>Total Customer Serv &amp; Information Exp</b>			<b>11,097,740</b>	12
13					13
14	<b>Sales Expenses - MN</b>			<b>219,466</b>	14
15	- ND			68,871	15
16	- SD			3,813	16
17	- Other			79,978	17
18					18
19	<b>Total Sales Expenses</b>			<b>372,129</b>	19
20					20
21	<b>Administrative &amp; General Expenses</b>				21
22	<b>Salaries, Supplies, Pensions &amp; Benefits</b>				22
23	Production			14,691,408	23
24	Transmission			5,683,416	24
25	Distribution			9,202,639	25
26	Customer Accounts			7,318,747	26
27	Customer Service & Info			1,617,787	27
28					28
29	<b>Total A&amp;G Salaries, Supplies, Pensions &amp; Benefits</b>			<b>38,513,998</b>	29
30					30
31	<b>Administrative &amp; General Expenses</b>				31
32	Load Management			0	32
33	Outside Services (A/C 923)			1,329,645	33
34	Property Insurance (A/C 924)			2,226,894	34
35	Injuries & Damages (A/C 925)			2,184,840	35
36					36
37	General Advertising (A/C 930.1)			524,098	37
38	Misc. Rents, Maintenance			3,762,064	38

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A. 2018 Test Year Workpaper

4. Input Summary

Line	(A) OTP Total 2018 Base Year	(D) 2018 Test Year (TY) Adjustments						(H) Total Test Year Adjustments	(I) Changes in Allocations Due to Effect of Test Year Adjustments	(J) OTPTotal 2018 Test Year	(K) ND Allocation	(L) OTP ND 2018 Test Year
		(B) TY-01 Normalization Plant in Service	(C) TY-02 Rate Case Expense	(D) TY-03 Plant Outage Normalizaton	(E) TY-04 PTC Normalization	(F) TY-05 Economic Development	(G) TY-06 Prorate ADIT					
1	<b>Plant in Service</b>											
2	A/C 101 & 106 - Direct MN	\$3,520,019	-	-	-	-	-	-	\$3,520,019	0.0%	\$0	
3	A/C 101 & 106 - Direct ND	\$471,573	-	-	-	-	-	-	\$471,573	100.0%	\$471,573	
4	A/C 101 & 106 - Direct SD	\$1,146,073	-	-	-	-	-	-	\$1,146,073	0.0%	\$0	
5	Subtotal A/C 101 & 106 - Direct Assign	\$5,137,665	-	-	-	-	-	-	\$5,137,665	0.0%	\$471,573	
6	<b>Production Plant</b>	\$0										
7	A/C 101 & 106 - Base Demand (E1)	\$509,388,465	-	-	-	-	-	-	\$509,388,465	35.7%	\$181,639,308	
8	A/C 101 & 106 - Peak Demand (D1)	\$175,806,964	-	-	-	-	-	-	\$175,806,964	39.8%	\$70,042,289	
9	A/C 101 & 106 - Base Energy (E2)	\$207,006,166	-	-	-	-	-	-	\$207,006,166	37.6%	\$77,787,415	
10	Subtotal A/C 101 & 106	\$897,339,260	-	-	-	-	-	-	\$897,339,260	0.0%	\$329,940,585	
11		\$0										
12	A/C 114 - Base Demand (E1)	\$1,298,081	-	-	-	-	-	-	\$1,298,081	35.7%	\$462,874	
13	A/C 114 - Peak Demand (D1)	\$290,174	-	-	-	-	-	-	\$290,174	39.8%	\$115,607	
14	A/C 114 - Base Energy (E1)	\$0	-	-	-	-	-	-	\$0	35.7%	\$0	
15	Subtotal A/C 114	\$1,588,255	-	-	-	-	-	-	\$1,588,255	0.0%	\$578,480	
16		\$0										
17	<b>Total Production Plant</b>	\$898,927,514	-	-	-	-	-	-	\$898,927,514	0.0%	\$330,519,065	
18		\$0										
19	<b>Transmission Plant</b>	\$0										
20	A/C 101 & 106 (D2)	\$388,404,278	-	-	-	-	-	-	\$388,404,278	39.6%	\$153,803,849	
21	A/C 101 & 106 (Direct FERC)	\$126,520,627	-	-	-	-	-	-	\$126,520,627	0.0%	\$0	
22	A/C 114 (D2)	\$58,287	-	-	-	-	-	-	\$58,287	39.6%	\$23,081	
23	Total Transmission Plant	\$514,983,192	-	-	-	-	-	-	\$514,983,192	0.0%	\$153,826,930	
24		\$0										
25	<b>Distribution Plant</b>	\$0										
26	Primary Demand (D3)	\$186,296,581	-	-	-	-	-	-	\$186,296,581	45.9%	\$85,455,190	
27	Secondary Demand (D4)	\$102,024,443	-	-	-	-	-	-	\$102,024,443	48.0%	\$48,993,034	
28	Primary Customer (C2)	\$78,110,165	-	-	-	-	-	-	\$78,110,165	44.8%	\$34,970,608	
29	Secondary Customer (C3)	\$74,280,016	-	-	-	-	-	-	\$74,280,016	44.8%	\$33,265,375	
30	Streetlighting (C4)	\$13,953,157	-	-	-	-	-	-	\$13,953,157	43.6%	\$6,080,955	
31	Area Lighting (C5)	\$8,020,685	-	-	-	-	-	-	\$8,020,685	51.8%	\$4,151,739	
32	Meters (C6)	\$26,594,087	-	-	-	-	-	-	\$26,594,087	44.7%	\$11,882,166	
33	Load Management (C9)	\$8,713,737	-	-	-	-	-	-	\$8,713,737	43.6%	\$3,794,879	
34	Total Distribution Plant	\$497,992,871	-	-	-	-	-	-	\$497,992,871	0.0%	\$228,593,947	
35		\$0										
36	<b>General Plant</b>	\$0										
37	Production (P10)	\$33,683,326	-	-	-	-	-	-	\$33,683,326	36.8%	\$12,384,738	
38	Transmission (D2)	\$13,030,498	-	-	-	-	-	-	\$13,030,498	39.6%	\$5,159,935	
39	Distribution (P60)	\$21,099,100	-	-	-	-	-	-	\$21,099,100	45.9%	\$9,685,132	
40	Customer Accounts (OXC)	\$16,779,859	-	-	-	-	-	-	\$16,779,859	44.0%	\$7,380,245	
41	Customer Service & Info (OXI)	\$3,709,137	-	-	-	-	-	-	\$3,709,137	44.6%	\$1,655,501	
42	Load Management (C9)	\$317,859	-	-	-	-	-	-	\$317,859	43.6%	\$138,428	
43	Total General Plant	\$88,619,779	-	-	-	-	-	-	\$88,619,779	0.0%	\$36,403,979	
44		\$0										
45	<b>Intangible Plant (P90)</b>	\$14,067,426	7,966,359	-	-	-	-	7,966,359	\$22,033,785	41.1%	\$9,051,224	
46		\$0										
47	<b>Total Plant in Service</b>	\$2,014,590,782	7,966,359	-	-	-	-	7,966,359	\$2,022,557,141	0.0%	\$758,395,144	
48		\$0										
49	<b>Accumulated Depreciation</b>	\$0										
50	<b>Production Plant</b>	\$0										
51	Base Demand (E1)	(\$235,510,776)	-	-	-	-	-	-	(\$235,510,776)	35.7%	(\$83,979,158)	
52	Peak Demand (D1)	(\$75,406,125)	-	-	-	-	-	-	(\$75,406,125)	39.8%	(\$30,042,141)	
53	Base Energy (E2)	(\$76,067,042)	-	-	-	-	-	-	(\$76,067,042)	37.6%	(\$28,583,973)	
54	Total Production Plant	(\$386,983,943)	-	-	-	-	-	-	(\$386,983,943)	0.0%	(\$142,605,272)	
55		\$0										
56	Transmission Plant (D2)	(\$122,102,619)	-	-	-	-	-	-	(\$122,102,619)	39.6%	(\$48,351,302)	
57	Transmission Plant - Direct FERC	(\$4,418,753)	-	-	-	-	-	-	(\$4,418,753)	0.0%	\$0	
58	Total Transmission Plant	(\$126,521,372)	-	-	-	-	-	-	(\$126,521,372)	0.0%	(\$48,351,302)	
59		\$0										
60	Distribution Plant (P60)	(\$214,337,362)	-	-	-	-	-	-	(\$214,337,362)	45.9%	(\$98,387,399)	
61		\$0										
62	General Plant (P90)	(\$34,142,419)	-	-	-	-	-	-	(\$34,142,419)	41.1%	(\$14,025,311)	
63		\$0										
64	Intangible Plant (P90)	(\$2,010,565)	(1,356,178)	-	-	-	-	(1,356,178)	(\$3,366,743)	41.1%	(\$1,383,019)	
65		\$0										
66	<b>Total Accumulated Depreciation</b>	(\$763,995,661)	(1,356,178)	-	-	-	-	(1,356,178)	(\$765,351,839)	0.0%	(\$304,752,302)	
67		\$0										
68	<b>Total Net Plant in Service</b>	\$1,250,595,122	6,610,181	-	-	-	-	6,610,181	\$1,257,205,303	0.0%	\$453,642,842	

Line	(A) OTP Total 2018 Base Year	(D) 2018 Test Year (TY) Adjustments						(H) Total Test Year Adjustments	(I) Changes in Allocations Due to Effect of Test Year Adjustments	(J) OTPTotal 2018 Test Year	(K) ND Allocation	(L) OTP ND 2018 Test Year
		(B) TY-01 Normalization Plant in Service	(C) TY-02 Rate Case Expense	(D) TY-03 Plant Outage Nomarization	(E) TY-04 PTC Normalization	(F) TY-05 Economic Development	(G) TY-06 Prorate ADIT					
69	\$0											
70	\$0											
71	\$0											
72	\$9,038								\$9,038	36.8%	\$0	
73	\$20,619								\$20,619	45.9%	\$9,465	
74	\$0								\$0	41.1%	\$0	
75	\$0								\$0	41.1%	\$0	
76	\$29,657								\$29,657	0.0%	\$13,044	
77	\$0											
78	\$0											
79	\$0								\$0	36.1%	\$0	
80	\$0								\$0	36.1%	\$0	
81	\$0								\$0	36.1%	\$0	
82	\$0								\$0	36.1%	\$0	
83	\$0								\$0	0.0%	\$0	
84	\$0											
85	\$0											
86	\$0								\$0	0.0%	\$0	
87	\$0								\$0	0.0%	\$0	
88	\$0								\$0	0.0%	\$0	
89	\$0								\$0	0.0%	\$0	
90	\$0								\$0	0.0%	\$0	
91	\$0											
92	\$0											
93	\$0								\$0	0.0%	\$0	
94	\$0								\$0	100.0%	\$0	
95	\$0								\$0	0.0%	\$0	
96	\$0								\$0	0.0%	\$0	
97	\$0								\$0	0.0%	\$0	
98	\$0								\$0	100.0%	\$0	
99	\$0								\$0	0.0%	\$0	
100	\$95,776,331								\$95,776,331	0.0%	\$0	
101	\$0								\$0	0.0%	\$0	
102	\$0								\$0	100.0%	\$0	
103	\$0								\$0	0.0%	\$0	
104	\$0								\$0	0.0%	\$0	
105	\$0								\$0	0.0%	\$0	
106	\$0								\$0	100.0%	\$0	
107	\$0								\$0	0.0%	\$0	
108	\$0								\$0	0.0%	\$0	
109	\$0								\$0	0.0%	\$0	
110	\$0								\$0	100.0%	\$0	
111	\$0								\$0	0.0%	\$0	
112	\$0								\$0	0.0%	\$0	
113	\$95,776,331								\$95,776,331	0.0%	\$0	
114	\$0											
115	\$0											
116	\$0								\$0	36.8%	\$0	
117	\$686,250								\$686,250	39.6%	\$271,747	
118	\$0								\$0	45.9%	\$0	
119	\$0								\$0	41.1%	\$0	
120	\$0								\$0	41.1%	\$0	
121	\$686,250								\$686,250	0.0%	\$271,747	
122	\$0											
123	\$0											
124	\$14,041,071								\$14,041,071	36.8%	\$0	
125	\$0								\$0	36.8%	\$0	
126	\$5,855,294								\$5,855,294	39.6%	\$0	
127	\$0								\$0	39.6%	\$0	
128	\$1,149,148								\$1,149,148	45.9%	\$0	
129	\$1,603,969								\$1,603,969	41.1%	\$0	
130	\$5,942,443								\$5,942,443	41.1%	\$0	
131	\$28,591,925								\$28,591,925	0.0%	\$0	
132	\$0								\$0	0.0%	\$0	
133	\$0											
134	\$125,054,506								\$125,054,506	0.0%	\$271,747	

Line	OTP Total 2018 Base Year	(B) TY-01 Normalization Plant in Service	(C) TY-02 Rate Case Expense	(D) 2018 Test Year (TY) Adjustments				(F) TY-05 Economic Development	(G) TY-06 Prorate ADIT	(H) Total Test Year Adjustments	(I) Changes in Allocations Due to Effect of Test Year Adjustments	(J) OTPTotal 2018 Test Year	(K) ND Allocation	(L) OTP ND 2018 Test Year
				(E) TY-03 Plant Outage Nomarization	(E) TY-04 PTC Normalization	(E)	(E)							
135	\$0													
136	\$0													
137	\$6,230,432	-	-	-	-	-	-	-	-		\$6,230,432	36.8%	\$2,290,815	
138	\$5,450,400	-	-	-	-	-	-	-	-		\$5,450,400	39.6%	\$2,158,299	
139	\$8,335,905	-	-	-	-	-	-	-	-		\$8,335,905	45.9%	\$3,826,435	
140	\$20,016,737	-	-	-	-	-	-	-	-		\$20,016,737	0.0%	\$8,275,549	
141	\$0													
142	\$0													
143	\$9,319,627	-	-	-	-	-	-	-	-		\$9,319,627	35.7%	\$3,323,221	
144	\$2,780,049	-	-	-	-	-	-	-	-		\$2,780,049	39.8%	\$1,107,584	
145	\$12,099,676	-	-	-	-	-	-	-	-		\$12,099,676	0.0%	\$4,430,805	
146	\$0													
147	(\$36,579,505)	-	-	-	-	-	-	-	-		(\$36,579,505)	36.1%	(\$13,199,141)	
148	\$0													
149	\$0													
150	(\$1,013,988)	-	-	-	-	-	-	-	-		(\$1,013,988)	36.1%	(\$365,882)	
151	\$0	-	-	-	-	-	-	-	-		\$0	0.0%	\$0	
152	\$0													
153	\$12,629,886	-	-	-	-	-	-	-	-	(131,673)	\$12,498,213	0.0%	\$3,602,273	
154	\$0													
155	\$0													
156	\$0													
157	\$435,531	-	-	-	-	-	-	-	-		\$435,531	39.4%	\$171,680	
158	\$72,069	-	-	-	-	-	-	-	-		\$72,069	0.0%	\$0	
159	\$35,772	-	-	-	-	-	-	-	-		\$35,772	100.0%	\$35,772	
160	\$543,371	-	-	-	-	-	-	-	-		\$543,371	0.0%	\$207,452	
161	\$0													
162	(\$184,891,462)	-	-	-	-	-	-	2,235,506	2,235,506		(\$182,655,957)	36.1%	(\$65,908,542)	
163	(\$23,906,999)	-	-	-	-	-	-	-	-		(\$23,906,999)	0.0%	\$0	
164	(\$33,249,051)	-	-	-	-	-	-	-	-		(\$33,249,051)	0.0%	\$0	
165	(\$36,778,353)	-	-	-	-	-	-	-	-		(\$36,778,353)	100.0%	(\$36,778,353)	
166	(\$278,825,865)	-	-	-	-	-	-	2,235,506	2,235,506		(\$276,590,359)	0.0%	(\$102,686,895)	
167	\$0													
168	(\$278,282,495)	-	-	-	-	-	-	2,235,506	2,235,506		(\$276,046,988)	0.0%	(\$102,479,443)	
169	\$0													
170	\$0													
171	\$0	-	-	-	-	-	-	-	-		\$0	0.0%	\$0	
172	\$0	-	-	-	-	-	-	-	-		\$0	0.0%	\$0	
173	\$0	-	-	-	-	-	-	-	-		\$0	0.0%	\$0	
174	\$0	-	-	-	-	-	-	-	-		\$0	0.0%	\$0	
175	\$0	-	-	-	-	-	-	-	-		\$0	0.0%	\$0	
176	\$0													
177	\$1,104,549,596	\$6,610,181	\$0	\$0	\$0	\$0	\$0	\$2,235,506	\$8,845,687	(\$131,673)	\$1,113,263,610	0.0%	\$354,191,795	

Line		(A) OTP Total 2018 Base Year	(D) 2018 Test Year (TY) Adjustments					(G) TY-06 Prorate ADIT (1)	(H) Total Test Year Adjustments	(I) Changes in Allocations Due to Effect of Test Year Adjustments	(J) OTP Total 2018 Test Year	(K) ND Allocation	(L) OTP ND 2018 Test Year
			(B) TY-01 Normalization Plant in Service	(C) TY-02 Rate Case Expense	(D) TY-03 Plant Outage Normalization	(E) TY-04 PTC Normalization	(F) TY-05 Economic Development						
1	<b>Operating Revenues</b>												
2	Sales of Electricity - Minnesota (Direct MN/R10)	\$208,270,496								\$208,270,496			
3	Sales of Electricity - North Dakota (Direct ND/R10)	\$148,037,074					\$34,877	\$34,877		\$148,071,951	100.000000%	\$148,071,951	
4	Sales of Electricity - South Dakota (Direct SD/R10)	\$33,708,506								\$33,708,506		\$0	
5	Sales of Electricity - FERC (Direct FERC/R10)	\$0								\$0		\$0	
6	Total Retail Sales	\$390,016,076					\$34,877	\$34,877	\$34,877	\$390,050,953		\$148,071,951	
7													
8	<b>Other Operating Revenues</b>												
9	<b>Other Sales for Resale</b>												
10	Municipalities (Direct FERC)	\$198,999								\$198,999		\$0	
11	Non-Asset Wholesale Transactions (D2)	\$0								\$0	39.598907%	\$0	
12	All Other Transactions												
13	Base Demand (E1)	\$0								\$0	35.658308%	\$0	
14	Peak Demand (D1)	\$0								\$0	39.840452%	\$0	
15	Base Energy (E2)	\$15,026								\$15,026	37.577342%	\$5,646	
16	Peak Energy (D1)	\$0								\$0	39.840452%	\$0	
17													
18	<b>Total Other Sales for Resale</b>	\$214,025								\$214,025		\$5,646	
19													
20	<b>Other Electric Revenues</b>												
21	Late Fees - Minnesota (Direct MN/C1)	\$332,503								\$332,503		\$0	
22	Late Fees - North Dakota (Direct ND/C1)	\$277,669								\$277,669	100.000000%	\$277,669	
23	Late Fees - South Dakota (Direct SD/C1)	\$95,499								\$95,499		\$0	
24	<b>Subtotal Late Fees</b>	\$705,671								\$705,671		\$277,669	
25	Connection Fees - Minnesota (Direct MN/C1)	\$189,927								\$189,927		\$0	
26	Connection Fees - North Dakota (Direct ND/C1)	\$135,015								\$135,015	100.000000%	\$135,015	
27	Connection Fees - South Dakota (Direct SD/C1)	\$28,952								\$28,952		\$0	
28	<b>Subtotal Connection Fees</b>	\$353,894								\$353,894		\$135,015	
29	Rent from Electric Property (NEPIS)	\$568,008								\$568,008	36.083434%	\$204,957	
30	Rent from Electric Property - Big Stone (NEPIS)	\$11,825								\$11,825	36.083434%	\$4,267	
31	Rent from Electric Property - Coyote (NEPIS)	\$9,800								\$9,800	36.083434%	\$3,536	
32	Other Miscellaneous Electric Revenue (NEPIS)	\$2,576,976								\$2,576,976	36.083434%	\$929,862	
33	Other Miscellaneous Electric Revenue (Direct MN/C1)	\$0								\$0		\$0	
34	Other Miscellaneous Electric Revenue (Direct ND/C1)	\$0								\$0	100.000000%	\$0	
35	Other Miscellaneous Electric Revenue (Direct SD/C1)	\$0								\$0		\$0	
36	<b>Subtotal Other Miscellaneous Electric Revenue</b>	\$2,576,976								\$2,576,976		\$929,862	
37	Integrated Transmission Deficiency Payments (NEPIS)	\$1,773,638								\$1,773,638	36.083434%	\$639,990	
38	Miscellaneous Services (NEPIS)	\$28,101								\$28,101	36.083434%	\$10,140	
39	Wheeling - All Jurisdictions (NEPIS)	\$439,772								\$439,772		\$0	
40	Load Control & Dispatching, MAPP & MISO (NEPIS)	\$21,716,925								\$21,716,925	36.083434%	\$7,836,212	
41	Load Control & Dispatching, MAPP & MISO (Direct FERC)	\$29,831,233								\$29,831,233		\$0	
42	<b>Subtotal Load Control &amp; Dispatching, MAPP &amp; MISO</b>	\$51,548,158								\$51,548,158		\$7,836,212	
43	Loan Pool Interest - Minnesota (Direct MN/C1)	\$2,676								\$2,676		\$0	
44	Loan Pool Interest - North Dakota (Direct ND/C1)	\$0								\$0	100.000000%	\$0	
45	Loan Pool Interest - South Dakota (Direct SD/C1)	\$0								\$0		\$0	
46	<b>Subtotal Loan Pool Interest</b>	\$2,676								\$2,676		\$0	
47	<b>Total Other Electric Revenues</b>	\$58,018,520								\$58,018,520		\$10,041,647	
48													
49	<b>Total Other Operating Revenues</b>	\$58,232,545								\$58,232,545		\$10,047,294	
50													
51	<b>Total Operating Revenues</b>	\$448,248,621					\$34,877	\$34,877		\$448,283,498		\$158,119,244	
52													
53	<b>Operating Expenses</b>												
54	<b>Production Expenses Excl Purchased Power</b>												
55	Base Demand (E1)	\$16,232,658								\$16,232,658	35.658308%	\$5,788,291	
56	Peak Demand (D1)	\$4,298,595								\$4,298,595	39.840452%	\$1,712,580	
57	Base Energy (E2)	\$69,312,771			(925,389)			(925,389)		\$68,387,382	37.577342%	\$25,698,160	
58	Peak Energy (D1)	\$508,600								\$508,600	39.840452%	\$202,629	
59	Base Demand (Direct MN)	\$1,032,569								\$1,032,569		\$0	
60	Peak Demand (Direct MN)	\$230,821								\$230,821		\$0	
61	<b>Total Excluding Purchased Power</b>	\$91,616,013			(925,389)			(925,389)		\$90,690,624		\$33,401,659	
62													
63	<b>Purchased Power</b>												
64	Base Demand (E1)	\$2,439,877								\$2,439,877	35.658308%	\$870,019	
65	Peak Demand (D1)	\$0								\$0		\$0	
66	Base Energy (E2)	\$67,820,445								\$67,820,445	37.577342%	\$25,485,121	
67	Peak Energy (D1)	\$0								\$0	39.840452%	\$0	
68	<b>Total Purchased Power</b>	\$70,260,322								\$70,260,322		\$26,355,139	
69													
70	<b>Total Production Expenses</b>	\$161,876,335			(925,389)			(925,389)		\$160,950,946		\$59,756,799	
71													
72	Transmission Expenses (D2)	\$34,110,670								\$34,110,670	39.598907%	\$13,507,453	
73	Transmission Expenses (Direct MN)	\$1,184,949								\$1,184,949		\$0	
74	Transmission Expenses (Direct FERC)	\$16,223								\$16,223		\$0	
75	<b>Total Transmission Expenses</b>	\$35,311,843								\$35,311,843		\$13,507,453	
76													

Line	(A)	(B)	(D) 2018 Test Year (TY) Adjustments					(F)	(G)	(H)	(I)	(J)	(K)	(L)
			OTY Total 2018 Base Year	TY-01 Normalization Plant in Service	TY-02 Rate Case Expense	TY-03 Plant Outage Normalization	TY-04 PTC Normalization							
77														
	<b>Distribution Expenses</b>													
78	Primary Demand (D3)	\$5,246,930	-	-	-	-	-	-	-	-	\$5,246,930	45.870509%	\$2,406,793	
79	Secondary Demand (D4)	\$1,880,361	-	-	-	-	-	-	-	-	\$1,880,361	48.020879%	\$902,966	
80	Primary Customer (C2)	\$3,090,357	-	-	-	-	-	-	-	-	\$3,090,357	44.770880%	\$1,383,580	
81	Secondary Customer (C3)	\$2,200,175	-	-	-	-	-	-	-	-	\$2,200,175	44.783748%	\$985,321	
82	Streetlighting (C4)	\$1,662,551	-	-	-	-	-	-	-	-	\$1,662,551	43.581209%	\$724,560	
83	Area Lighting (C5)	\$143,049	-	-	-	-	-	-	-	-	\$143,049	51.762897%	\$74,046	
84	Meters (C6)	\$2,693,960	-	-	-	-	-	-	-	-	\$2,693,960	44.679731%	\$1,203,654	
85	Load Management (C9)	\$0	-	-	-	-	-	-	-	-	\$0	43.550537%	\$0	
86	<b>Total Distribution</b>	<b>\$16,917,384</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$16,917,384</b>		<b>\$7,680,921</b>	
87														
	<b>Customer Accounting Expenses</b>													
88														
89	Meter Reading (C7)	\$5,356,450	-	-	-	-	-	-	-	-	\$5,356,450	42.742338%	\$2,289,472	
90	Other (C8)	\$8,493,476	-	-	-	-	-	-	-	-	\$8,493,476	44.765037%	\$3,802,108	
91	<b>Total Customer Accounts</b>	<b>\$13,849,926</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$13,849,926</b>		<b>\$6,091,579</b>	
92														
	<b>Customer Service &amp; Info Expenses</b>													
93														
94	Conservation & DSM Rebates - MN (Direct MN/E2)	\$7,551,238	-	-	-	-	-	-	-	-	\$7,551,238		\$0	
95	Conservation & DSM Rebates - ND (Direct ND/E2)	\$0	-	-	-	-	-	-	-	-	\$0	100.000000%	\$0	
96	Conservation & DSM Rebates - SD (Direct SD/E2)	\$449,000	-	-	-	-	-	-	-	-	\$449,000		\$0	
97	Other (C1)	\$3,097,502	-	-	-	-	-	-	-	-	\$3,097,502	44.633048%	\$1,382,509	
98	<b>Total Customer Serv &amp; Infomation Exp</b>	<b>\$11,097,740</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$11,097,740</b>		<b>\$1,382,509</b>	
99														
	<b>Sales Expenses</b>													
100														
101	Off-Peak Development - MN (Direct MN/C1)	\$219,466	-	-	-	-	-	-	-	-	\$219,466		\$0	
102	Off-Peak Development - ND (Direct ND/C1)	\$0	-	-	-	-	200,000	-	-	200,000	\$200,000	100.000000%	\$200,000	
103	Off-Peak Development - SD (Direct SD/C1)	\$3,813	-	-	-	-	-	-	-	-	\$3,813		\$0	
104	Other (C1)	\$50,347	-	-	-	-	-	-	-	-	\$50,347	44.633048%	\$22,472	
105	<b>Total Sales Expenses</b>	<b>\$273,627</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>200,000</b>	<b>-</b>	<b>-</b>	<b>200,000</b>	<b>\$473,627</b>		<b>\$222,472</b>	
106														
	<b>Administrative &amp; General Expenses</b>													
107														
108	Salaries, Supplies, Pensions & Benefits													
109	Production (OXPD)	\$14,499,338	-	-	-	-	-	-	-	-	\$14,499,338	36.440914%	\$5,283,691	
110	Transmission (D2)	\$5,609,114	-	-	-	-	-	-	-	-	\$5,609,114	39.598907%	\$2,221,148	
111	Distribution (OXD)	\$9,082,327	-	-	-	-	-	-	-	-	\$9,082,327	45.402532%	\$4,123,607	
112	Customer Accounts (OXC)	\$7,223,065	-	-	-	-	-	-	-	-	\$7,223,065	43.982758%	\$3,178,903	
113	Customer Service & Info (C1)	\$1,596,637	-	-	-	-	-	-	-	-	\$1,596,637	44.633048%	\$712,628	
114	<b>Total A&amp;G Salaries, Supp, Pensions &amp; Benefits</b>	<b>\$38,010,481</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$38,010,481</b>		<b>\$15,517,977</b>	
115														
116	Load Management (C9)	\$0	-	-	-	-	-	-	-	-	\$0	43.550537%	\$0	
117	Outside Services (A/C 923) (NEPIS)	\$1,329,645	-	-	-	-	-	-	-	-	\$1,329,645	36.083434%	\$478,782	
118	Property Insurance (A/C 924) (NEPIS)	\$2,226,894	-	-	-	-	-	-	-	-	\$2,226,894	36.083434%	\$803,540	
119	Injuries & Damages (A/C 925) (NEPIS)	\$2,184,840	-	-	-	-	-	-	-	-	\$2,184,840	36.083434%	\$788,365	
120	Regulatory Commission Exp (A/C 928) - MN (Direct MN/R10)	\$716,778	-	-	-	-	-	-	-	-	\$716,778		\$0	
121	Regulatory Commission Exp (A/C 928) - ND (Direct ND/R10)	\$961,755	-	(517,129)	-	-	-	-	(517,129)	-	\$444,626	100.000000%	\$444,626	
122	Regulatory Commission Exp (A/C 928) - SD (Direct SD/R10)	\$93,452	-	-	-	-	-	-	-	-	\$93,452		\$0	
123	Regulatory Commission Exp (A/C 928) - FERC (Direct FERC/R10)	\$1,074,876	-	-	-	-	-	-	-	-	\$1,074,876		\$0	
124	<b>Total Regulatory Commission Expense</b>	<b>\$2,846,861</b>	<b>-</b>	<b>(517,129)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(517,129)</b>	<b>-</b>	<b>\$2,329,732</b>		<b>\$444,626</b>	
125	General Advertising (A/C 930.1) (C1)	\$19,489	-	-	-	-	-	-	-	-	\$19,489	44.633048%	\$8,698	
126	Misc. Rents, Maintenance (P90)	\$3,782,064	-	-	-	-	-	-	-	-	\$3,782,064	41.078842%	\$1,553,628	
127	<b>Total Administrative &amp; General Expense</b>	<b>\$50,400,273</b>	<b>-</b>	<b>(517,129)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(517,129)</b>	<b>-</b>	<b>\$49,883,144</b>		<b>\$19,596,616</b>	
128														
	<b>Charitable Contributions (&amp; Cust Dep Int)</b>													
129														
130	Minnesota Only (Direct MN/C1)	\$0	-	-	-	-	-	-	-	-	\$0		\$0	
131	North Dakota Only (Direct ND/C1)	\$0	-	-	-	-	-	-	-	-	\$0	100.000000%	\$0	
132	South Dakota Only (Direct SD/C1)	\$0	-	-	-	-	-	-	-	-	\$0		\$0	
133	<b>Total Charitable Contributions (&amp; Cust Dep Int)</b>	<b>\$0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$0</b>		<b>\$0</b>	
134														
	<b>Total O &amp; M Expenses</b>	<b>\$289,727,128</b>	<b>-</b>	<b>(517,129)</b>	<b>(925,389)</b>	<b>-</b>	<b>200,000</b>	<b>-</b>	<b>(1,242,518)</b>	<b>-</b>	<b>\$288,484,610</b>		<b>\$108,238,348</b>	
136														
	<b>Depreciation Expense</b>													
137														
138	Production													
139	Base Demand (E1)	\$14,473,420	-	-	-	-	-	-	-	-	\$14,473,420	35.658308%	\$5,160,977	
140	Peak Demand (D1)	\$5,798,852	-	-	-	-	-	-	-	-	\$5,798,852	39.840452%	\$2,310,289	
141	Base Energy (E2)	\$8,567,467	-	-	-	-	-	-	-	-	\$8,567,467	37.577342%	\$3,219,426	
142	<b>Total Production</b>	<b>\$28,839,739</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$28,839,739</b>		<b>\$10,690,692</b>	
143	Transmission (D2)	\$6,852,461	-	-	-	-	-	-	-	-	\$6,852,461	39.598907%	\$2,713,500	
144	Transmission (Direct FERC)	\$2,202,087	-	-	-	-	-	-	-	-	\$2,202,087		\$0	
145	<b>Total Transmission</b>	<b>\$9,054,548</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$9,054,548</b>		<b>\$2,713,500</b>	
146	Distribution (P60)	\$11,732,197	-	-	-	-	-	-	-	-	\$11,732,197	45.903056%	\$5,385,437	
147	General (P90)	\$2,285,866	-	-	-	-	-	-	-	-	\$2,285,866	41.078842%	\$939,007	
148	<b>Intangible (P90)</b>	<b>\$2,404,221</b>	<b>1,726,044</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,726,044</b>	<b>-</b>	<b>\$4,130,265</b>	<b>41.078842%</b>	<b>\$1,696,665</b>	
149	<b>Total Depreciation Expense</b>	<b>\$54,316,572</b>	<b>1,726,044</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,726,044</b>	<b>-</b>	<b>\$56,042,616</b>		<b>\$21,425,301</b>	
150														
	<b>Big Stone Expense Offsets</b>													
151														
152	Minnesota (Direct MN)	\$0	-	-	-	-	-	-	-	-	\$0		\$0	
153	North Dakota (Direct ND)	\$0	-	-	-	-	-	-	-	-	\$0	100.000000%	\$0	
154	South Dakota (Direct SD)	\$0	-	-	-	-	-	-	-	-	\$0		\$0	
155	FERC (Direct FERC)	\$0	-	-	-	-	-	-	-	-	\$0		\$0	
156	<b>Total Big Stone Expense Offsets</b>	<b>\$0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$0</b>		<b>\$0</b>	
157														
158	General Taxes (NEPIS)	\$13,595,966	-	-	-	-	-	-	-	-	\$13,595,966	36.083434%	\$4,905,891	
159	General Taxes (Direct FERC)	\$1,779,231	-	-	-	-	-	-	-	-	\$1,779,231		\$0	
160	<b>Total General Taxes</b>	<b>\$15,375,197</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$15,375,197</b>		<b>\$4,905,891</b>	

Line	(A)	(B)	(C)	2018 Test Year (TY) Adjustments						(H)	(I)	(J)	(K)	(L)
				OTF Total 2018 Base Year	TY-01 Normalization Plant in Service	TY-02 Rate Case Expense	TY-03 Plant Outage Nomarization	TY-04 PTC Normalization	TY-05 Economic Development					
161														
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Volume 4A

A. 2018 Test Year Workpaper

5. Test Year 2018 Adjustments

OTTER TAIL POWER COMPANY  
TEST YEAR ADJUSTMENTS

TY-01  
ND Share  
Page 1 of 3

Otter Tail Power Company  
Normalized Plant in Service  
2018 Test Year

ADJUSTMENT TO ANNUALIZE DEPRECIATION & OTHER OPERATING EXPENSE ON CURRENT & FUTURE CAPITAL PROJECTS

	(A)	(B)	(C)	(D)	(E)	
Line No.	<u>Depreciation Expense Additions</u>	<u>System-Wide</u>	<u>Allocation Factor</u>	<u>Allocation Percentage</u>	<u>ND Test-Year Amount</u>	<u>TAA C-8 Reference</u>
1	Intangible	1,726,044	P90	41.078800%	709,038	
2	<b>Total Depreciation Expense Additions</b>	\$1,726,044			\$709,038	Col (B); Line 12
3	<b>AFUDC in L-T CWIP Removed</b>	0	CWIPLT	0.000000%	-	
4	Operating Income Impact	(\$1,726,044)			(\$709,038)	
5	ND Tax Rate	37.80%				
6	Income Tax Impact	(\$652,471)			(\$268,027)	Col (B); Line 19
7	Net Operating Income Impact	<b>(\$1,073,574)</b>			<b>(\$441,011)</b>	Col (B); Line 23

ADJUSTMENT TO ANNUALIZE PLANT-IN-SERVICE ON CURRENT AND FUTURE CAPITAL PROJECTS

Line No.		(A) <u>System-Wide</u>	(B) <u>Allocation Factor</u>	(C) <u>Allocation Percentage</u>	(D) <u>ND Test-Year Amount</u>	(E) <u>TAA B-2 Reference</u>
	<b><u>Plant-in-Service</u></b>					
1	<b>Additions &amp; Retirements</b>					
2	Intangible	\$7,966,359	P90	41.078800%	\$3,272,485	Col (E); Line 5
3						
4	<b>Total Plant-in-Service Additions</b>	<u>\$7,966,359</u>			<u>\$3,272,485</u>	Col (E); Line 6
	<b><u>Accumulated Depreciation</u></b>					
5	<b>Additions &amp; Retirements</b>					
6	Intangible	(1,356,178)	P90	41.078800%	(557,102)	Col (E); Line 10
7						
8	<b>Total A/D Additions</b>	<u>(\$1,356,178)</u>			<u>(\$557,102)</u>	Col (E); Line 12
	<b><u>L-T Construction Work-in-Progress</u></b>					
9	<b>Transfers</b>					
10	Intangible	0	P90	41.078800%	0	
11						
12	<b>Total CWIP Transfers</b>	<u>(\$1)</u>			<u>\$0</u>	Col (E); Line 21

(A)	(B)	(C)	(D)	(E)	(F)	
<b>Projects Moved from CWIP @ 12/31/17 to Capitalized Accounts During 2018</b>						
Line No.	Project	Project Description	Function	Amount in CWIP @ 12/31/17	Additional Charges Incurred During 2018	Total Project Costs
1		Customer Information System	Intangible	11,440,163	3,354,502	14,794,665
2						
3				<u>\$11,440,163</u>	<u>\$3,354,502</u>	<u>\$14,794,665</u>

(A)	(B)	(C)	(D)	(E)	(F)	(G)
<b>Test Year Adjustment to CWIP to Transfer Project Costs to Capitalized Accounts</b>						
Line No.	Project	Project Description	Function	Simple Average Avg CWIP @ 12/31/18	NO CWIP to remove ND does not allow LT CWIP	NO AFUDC to Remove ND does not allow
4		Customer Information System	Intangible	13,845,679	0	0
5						
6		<b>Total 2018 Test Year Adjustment to CWIP</b>		<u>\$13,845,679</u>	<u>\$0</u>	<u>\$0</u>

(A)	(B)	(C)	(D)	(E)	(F)	(G)	
<b>Test Year Adjustment to Plant in Service to Transfer Project Costs to Capitalized Accounts</b>							
Line No.	Project	Project Description	Function	Amount Capitalized @ 12/31/18	Simple Average Plant-in-Service @ 12/31/18	Difference	2018 Test Year Plant-in-Service Adjustment
7		Customer Information System	Intangible	14,794,666	6,828,307	7,966,359	7,966,359
8							
9				<u>\$14,794,666</u>	<u>\$6,828,307</u>	<u>\$7,966,359</u>	<u>\$7,966,359</u>
10		<b>Total 2018 Test Year Adjustment to Plant in Service</b>					<u>\$7,966,359</u>

(A)	(B)	(C)	(D)	(E)	(F)	(G)	
<b>Test Year Adjustment to Accumulated Depreciation to Reflect Increase in Plant in Service</b>							
Line No.	Project	Project Description	Function	Annualized Accumulated Depreciation	Simple Average A/D @ 12/31/18	Difference	2018 Test Year A/D Adjustment
11		Customer Information System	Intangible	(2,958,933)	(1,602,755)	(1,356,178)	(1,356,178)
12							
13				<u>(\$2,958,933)</u>	<u>(\$1,602,755)</u>	<u>(\$1,356,178)</u>	<u>(\$1,356,178)</u>
14		<b>Total 2018 Test Year Adjustment to Accumulated Depreciation</b>					<u>(\$1,356,178)</u>

(A)	(B)	(C)	(D)	(E)	(F)	(G)	
<b>Test Year Adjustment Depreciation Expense to Reflect Increase in Plant in Service</b>							
Line No.	Project	Project Description	Function	Depreciation Expense 2018	Annual Depreciation Expense	Difference	2018 Test Year Expense Adjustment
15		Customer Information System	Intangible	1,232,889	2,958,933	1,726,044	1,726,044
16							
17				<u>\$1,232,889</u>	<u>\$2,958,933</u>	<u>\$1,726,044</u>	<u>\$1,726,044</u>
18		<b>Total 2018 Test Year Adjustment to Depreciation Expense</b>					<u>\$1,726,044</u>

ADJUSTMENT FOR AMORTIZED RATE CASE EXPENSES

Line No.	Description	(A)	(B)	(C)	(D)	(E)
		OTP Total	ND Allocator	Allocator %	OTP ND	TAA Schedule 8 Reference
1	2018 Rate Case Expense Adjustment	N/A	Directly Assigned	100.00%	(\$517,129)	Col (C); Line 10
2	Income Tax Impact: ND Tax Rate from Sch C-7 is 37.80%				<u>\$195,485</u>	Col (C); Line 19
3	Net Operating Income Impact				<u><u>\$321,644</u></u>	Col (C); Line 21

Rate Case Expense Amortization

Line No.	(A) Description	(B) Amount
1	Rate Case Expenses	\$775,000
2	External Attorney Fees	\$400,000
3	Administrative Costs, Consultants, etc.	\$200,000
4	PSC Costs	175,000
5	Estimated rate case expenses	<u>\$775,000</u>
6	Regulated revenue	\$452,917,347
7	Unregulated revenue	<u>811,214</u>
8	Total regulated and unregulated revenue	<u>\$453,728,561</u>
9	Percent unregulated	0.18%
10	Less allocation to unregulated activity	<u>\$1,386</u>
11	Total estimated rate case expenses	<u>\$773,614</u>
12	Three Year amortization	\$257,871
13	2018 O&M Budget for FERC 928-ND	<u>\$775,000</u>
14	Amount of Test Year adjustment	<u><b>(\$517,129)</b></u>

OTTER TAIL POWER COMPANY  
TEST YEAR ADJUSTMENTS  
Reference Workpaper for 2018 ND TY-03 and Supporting Information Schedule C-8

TY-03  
ND Share  
Page 1 of 2

ADJUSTMENT FOR PLANT O&M OUTAGE EXPENSES

Line No.	Description	(A) OTP Total	(B) ND Allocator	(C) Allocator %	(D) OTP ND	(E) TAA C-8 Reference
1	2018 Plant Outage Adjustment	(925,389)	E2	37.577342%	<b>(347,737)</b>	Col (D); Line 4
2	Operating Income Impact	925,389			347,737	
3	Income Tax Impact: ND Tax Rate is	37.80%			131,451	Col (D); Line 19
4	Net Operating Income Impact				<b>216,285</b>	Col (D); Line 21

OTTER TAIL POWER COMPANY  
TEST YEAR ADJUSTMENTS

TY-03  
ND Share  
Page 2 of 2

<b>Normalization of Plant O&amp;M Outage Expenses</b>				
Line No.	(A) <b>Description</b>	(B) <b>Total Plant</b>	(C) <b>Partner share of Plant</b>	(D) <b>OTP Total</b>
1	2016 Actual Coyote Outage Costs	\$6,544,092	35%	\$2,290,432
2	2018 Budgeted BSP Outage Costs	\$4,700,000	54%	\$2,533,300
3	Total Plant Outage Costs	\$11,244,092		\$4,823,732
4	Major Plant Outage occurs every 3 years			3
5	Additional outage costs per year for a normalized year			\$1,607,911
6	2018 Budgeted BSP Outage Costs			\$2,533,300
7	Removal of excess outage costs from the 2018 O&M Budget			(\$925,389)

Otter Tail Power Company  
 PTC Normalization Adjustment Workpaper  
 2018 Test Year

Line No.	Description	(A)	(B)	(C)	(D)
		OTP Total	TAA-1 C-8	ND Allocation	OTP ND Adjustment
1	2018 Ashtabula Federal PTC	3,084,000	Col (E); Line 17	37.496846%	1,156,403
2	Adjustment to Production Tax Credits	<u>(3,084,000)</u>	Col (E); Line 20	<u>37.496846%</u>	<u>(1,156,403)</u>

OTTER TAIL POWER COMPANY  
TEST YEAR ADJUSTMENTS  
Reference Workpaper for 2018 TY-05 Adjustment - Economic Development

TY-05  
ND Share  
Page 1 of 1

ADJUSTMENT FOR ECONOMIC DEVELOPMENT

Line No. Description	(A) OTP Total	(B) ND Allocator	(C) Allocator %	(D) OTP ND	(E) TAA C-8 Reference
1 2018 Economic Development Adjustment	\$200,000	Directly Assigned	N/A	<u>\$200,000</u>	Col (F); Line 9

Otter Tail Power Company  
Proration of Accumulated Deferred Income Tax for Test Year  
2018 Base Year - Adjustment TY-06 - ADIT

Line No.	(A)	(B)	(C)	(D)
1		12/31/2017	12/31/2018	Simple Average
2	<b>Non-Prorated Accumulated Deferred Income Taxes</b>			
3	Federal (above the line including Wind)	(200,636,641)	(216,960,281)	(208,798,461)
4	Minnesota (above the line)	(32,443,938)	(34,054,163)	(33,249,051)
5	North Dakota (above the line including Wind)	(36,972,082)	(36,584,634)	(36,778,358)
6		<b>(270,052,661)</b>	<b>(287,599,078)</b>	<b>(278,825,870)</b>
7				
8	<b>Prorated Accumulated Deferred Income Taxes</b>			
9	Federal (above the line including Wind)	(200,636,641)	(212,489,268)	(206,562,955)
10	Minnesota (above the line)	(32,443,938)	(34,054,163)	(33,249,051)
11	North Dakota (above the line including Wind)	(36,972,082)	(36,584,634)	(36,778,358)
12		(270,052,661)	(283,128,065)	(276,590,363)
13				
14	<b>Prorate Adjustment made in the Test Year</b>			
15	Federal (above the line including Wind)			2,235,506
16	Minnesota (above the line)			0
17	North Dakota (above the line including Wind)			0
18				2,235,506
19				

Volume 4A

**B. 2018 Base Year Workpapers**

Volume 4A

B. 2018 Base Year Workpapers

1. Jurisdictional Cost of Service Study  
(JCOSS)

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Base Year

NORTH DAKOTA

PAGE 1 - 1

LINE NO	ITEM	ALLOC	REFERENCE	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	RATE BASE		Page 2-1 Line 32	1,104,549,596	350,782,707	753,766,889	1
2							2
3	TOTAL AVAILABLE FOR RETURN		Page 7-1 Line 43	71,498,627	19,581,198	51,917,429	3
4							4
5	RATE OF RETURN EARNED			6.47%	5.58%	6.89%	5
6							6
7	RATE OF RETURN REQUESTED		Page 17-1 Line 11		7.97%		7
8							8
9	OPERATING INCOME REQUIRED				27,957,382		9
10							10
11	TOTAL AVAILABLE FOR RETURN				19,581,198		11
12							12
13	OPERATING INCOME DEFECIENCY				8,376,184		13
14							14
15	INCREMENTAL TAXES	GRCF =	1.607756		5,090,674		15
16							16
17	REVENUE INCREASE REQUIRED				13,466,858		17
18							18
19	PERCENTAGE INCREASE				9.10%		19
20							20
21							21
22							22
23							23
24							24
25	RETURN ON EQUITY				5.75%		25
26							26
27							27
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30							30
31							31
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NORTH DAKOTA

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Base Year

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LINE NO	ITEM	ALLOC	REFERENCE	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	ELECTRIC PLANT IN SERVICE		Page 3-1 Line 52	2,014,590,782	755,122,657	1,259,468,125	1
2							2
3	ACCUMULATED DEPRECIATION		Page 4-12 Line 22	(763,995,661)	(304,195,201)	(459,800,460)	3
4							4
5	NET PLANT EXCLUDING BIG STONE PLANT CAPITALIZED ITEMS			1,250,595,122	450,927,457	799,667,665	5
6							6
7	NET CAPITALIZED ITEMS - BIG STONE PLANT		Page 4-1 Line 28	0	0	0	7
8							8
9	NET ELECTRIC PLANT IN SERVICE			1,250,595,122	450,927,457	799,667,665	9
10							10
11	PLANT HELD FOR FUTURE USE		Page 4-1 Line 47	29,657	13,044	16,613	11
12							12
13	CONSTRUCTION WORK IN PROGRESS		Page 5-1 Line 31	125,054,506	271,748	124,782,759	13
14							14
15	MATERIALS AND SUPPLIES		Page 5-1 Line 39	20,016,737	8,275,549	11,741,188	15
16							16
17	FUEL STOCKS		Page 5-1 Line 46	12,099,676	4,430,805	7,668,871	17
18							18
19	PREPAYMENTS		Page 5-1 Line 49	(36,579,505)	(13,189,483)	(23,390,022)	19
20							20
21	CUSTOMER ADVANCES		Page 5-1 Line 51	(1,013,988)	(365,614)	(648,374)	21
22							22
23	CASH WORKING CAPITAL		Page 5-1 Line 53	12,629,886	3,656,607	8,973,279	23
24							24
25	ACCUMULATED DEFERRED INCOME TAXES		Page 6-1 Line 16	(278,282,495)	(103,237,405)	(175,045,090)	25
26							26
27	UNAMORTIZED BALANCE - SPIRITWOOD		Page 6-1 Line 19	0	0	0	27
28							28
29	UNAMORTIZED RATE CASE EXPENSE		Page 6-1 Line 22	0	0	0	29
30							30
31							31
32	<b>TOTAL AVERAGE RATE BASE</b>			1,104,549,596	350,782,707	753,766,889	32
33							33
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	PLANT IN SERVICE						1
2	A/C 101 & 106 - Direct MN	Direct MN		3,520,019	0	3,520,019	2
3	A/C 101 & 106 - Direct ND	Direct ND		471,573	471,573	0	3
4	A/C 101 & 106 - Direct SD	Direct SD		1,146,073	0	1,146,073	4
5	Subtotal A/C 101 & 106 - Direct Assigned			5,137,665	471,573	4,666,092	5
6							6
7	PRODUCTION PLANT						7
8	A/C 101 & 106 - BASE DEMAND	E1		509,388,465	181,639,306	327,749,159	8
9	PEAK DEMAND	D1		175,806,964	70,042,290	105,764,674	9
10	BASE ENERGY	E2		207,006,166	77,787,414	129,218,751	10
11							11
12	SUBTOTAL A/C 101 & 106			897,339,260	329,940,583	567,398,676	12
13							13
14	A/C 114 - BASE DEMAND	E1		1,298,081	462,874	835,207	14
15	PEAK DEMAND	D1		290,174	115,607	174,567	15
16	BASE ENERGY	E1		0	0	0	16
17							17
18	SUBTOTAL A/C 114			1,588,255	578,480	1,009,774	18
19							19
20	TOTAL PRODUCTION PLANT	P10	310-317, 330-335, 340-347	898,927,514	330,519,064	568,408,451	20
21							21
22							22
23	TRANSMISSION PLANT						23
24	A/C 101 & 106	D2		388,404,278	153,803,850	234,600,428	24
25	A/C 101 & 106 (Direct FERC)	Direct FERC		126,520,627	0	126,520,627	25
26	A/C 114	D2		58,287	23,081	35,206	26
27							27
28	TOTAL TRANSMISSION PLANT		350-350.1, 353-356, 358	514,983,192	153,826,931	361,156,261	28
29							29
30							30
31	DISTRIBUTION PLANT						31
32	PRIMARY DEMAND	D3	360, 362, 364-365, 367	186,206,581	85,455,191	100,841,391	32
33	SECONDARY DEMAND	D4	365, 367-369.1	102,024,443	48,993,034	53,031,409	33
34	PRIMARY CUSTOMER	C2	364-365, 367	78,110,165	34,970,609	43,139,556	34
35	SECONDARY CUSTOMER	C3	365, 367-369.1, 370.2	74,280,016	33,265,375	41,014,641	35
36	STREETLIGHTING	C4	364-365, 367, 373	13,953,157	6,080,955	7,872,203	36
37	AREA LIGHTING	C5	364-365, 367, 371.2	8,020,685	4,151,739	3,868,946	37
38	METERS	C6	370	26,594,087	11,882,166	14,711,920	38
39	LOAD MANAGEMENT	C9	370.1	8,713,737	3,794,879	4,918,858	39
40							40
41	TOTAL DISTRIBUTION PLANT	P60		497,992,871	228,593,947	269,398,924	41
42							42
43							43
44	GENERAL PLANT						44
45	PRODUCTION	P10		33,683,326	12,384,738	21,298,589	45
46	TRANSMISSION	D2		13,030,498	5,159,935	7,870,563	46
47	DISTRIBUTION	P60		21,099,100	9,685,132	11,413,968	47
48	CUSTOMER ACCOUNTS	OCX		16,779,859	7,380,245	9,399,614	48
49	CUSTOMER SERVICE & INFO	OXI		3,709,137	1,655,501	2,053,636	49
50	LOAD MANAGEMENT	C9	397.3	317,859	138,429	179,429	50
51							51
52	TOTAL GENERAL PLANT	P90	389-398, 390.1-390.3, 391.1-391.6, 394.2, 397.1-397.2	88,619,779	36,403,979	52,215,800	52
53							53
54							54
55	INTANGIBLE PLANT	P90	302-303	14,067,426	5,778,736	8,288,690	55
56							56
57							57
58	TOTAL PLANT IN SERVICE	EPIS		2,014,590,782	755,122,657	1,259,468,125	58
59							59
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	ACCUMULATED DEPRECIATION						1
2	PRODUCTION PLANT						2
3	BASE DEMAND	E1	108, 115	(235,510,776)	(83,979,157)	(151,531,619)	3
4	PEAK DEMAND	D1	108, 115	(75,406,125)	(30,042,142)	(45,363,984)	4
5	BASE ENERGY	E2	108	(76,067,042)	(28,583,972)	(47,483,070)	5
6							6
7	TOTAL PRODUCTION PLANT			(386,983,943)	(142,605,271)	(244,378,672)	7
8							8
9							9
10	TRANSMISSION PLANT	D2	108, 115	(122,102,619)	(48,351,303)	(73,751,316)	10
11	TRANSMISSION PLANT (Direct FERC)	Direct FERC		(4,418,753)	0	(4,418,753)	11
12	TOTAL TRANSMISSION PLANT			(126,521,372)	(48,351,303)	(78,170,069)	12
13							13
14							14
15	DISTRIBUTION PLANT	P60	108, 115	(214,337,362)	(98,387,400)	(115,949,962)	15
16							16
17	GENERAL PLANT	P90	108	(34,142,419)	(14,025,311)	(20,117,109)	17
18							18
19							19
20							20
21	INTANGIBLE PLANT	P90	108	(2,010,565)	(825,917)	(1,184,648)	21
22							22
23							23
24	TOTAL ACCUMULATED DEPRECIATION			(763,995,661)	(304,195,201)	(459,800,460)	24
25							25
26							26
27	NET PLANT EXCLUDING BSP CAPITALIZED ITEMS			1,250,595,122	450,927,457	799,667,665	27
28							28
29							29
30	BSP CAPITALIZED ITEMS	P10		0	0	0	30
31							31
32							32
33	TOTAL NET PLANT IN SERVICE	NEPIS		1,250,595,122	450,927,457	799,667,665	33
34							34
35							35
36							36
37							37
38							38
39							39
40							40
41							41
42	PLANT HELD FOR FUTURE USE						42
43	PRODUCTION PLANT	P10		0	0	0	43
44	TRANSMISSION PLANT	D2		9,038	3,579	5,459	44
45	DISTRIBUTION PLANT	P60		20,618	9,465	11,154	45
46	GENERAL PLANT	P90		0	0	0	46
47	INTANGIBLE PLANT	P90		0	0	0	47
48							48
49	TOTAL PLANT HELD FOR FUTURE USE		105	29,657	13,044	16,613	49
50							50
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OTTER TAIL POWER COMPANY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS		TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<u>CONST WORK-IN-PROGRESS - Direct Assigned</u>							1
2	PRODUCTION PLANT - Direct MN	P10		Directly Assigned to Jurisdiction	0	0	0	2
3	PRODUCTION PLANT - Direct ND	P10		Directly Assigned to Jurisdiction	0	0	0	3
4	PRODUCTION PLANT - Direct SD	P10		Directly Assigned to Jurisdiction	0	0	0	4
5	PRODUCTION PLANT - Direct FERC	Direct FERC		Directly Assigned to FERC	0	0	0	5
6	TRANSMISSION PLANT - Direct MN	D2		Directly Assigned to Jurisdiction	0	0	0	6
7	TRANSMISSION PLANT - Direct ND	D2		Directly Assigned to Jurisdiction	0	0	0	7
8	TRANSMISSION PLANT - Direct SD	D2		Directly Assigned to Jurisdiction	0	0	0	8
9	TRANSMISSION PLANT - Direct FERC	Direct FERC		Directly Assigned to FERC	95,776,331	0	95,776,331	9
10	DISTRIBUTION PLANT - Direct MN	P60		Directly Assigned to Jurisdiction	0	0	0	10
11	DISTRIBUTION PLANT - Direct ND	P60		Directly Assigned to Jurisdiction	0	0	0	11
12	DISTRIBUTION PLANT - Direct SD	P60		Directly Assigned to Jurisdiction	0	0	0	12
13	DISTRIBUTION PLANT - Direct FERC	Direct FERC		Directly Assigned to FERC	0	0	0	13
14	GENERAL PLANT - Direct MN	P90		Directly Assigned to Jurisdiction	0	0	0	14
15	GENERAL PLANT - Direct ND	P90		Directly Assigned to Jurisdiction	0	0	0	15
16	GENERAL PLANT - Direct SD	P90		Directly Assigned to Jurisdiction	0	0	0	16
17	GENERAL PLANT - Direct FERC	Direct FERC		Directly Assigned to FERC	0	0	0	17
18	INTANGIBLE PLANT - Direct MN	P90		Directly Assigned to Jurisdiction	0	0	0	18
19	INTANGIBLE PLANT - Direct ND	P90		Directly Assigned to Jurisdiction	0	0	0	19
20	INTANGIBLE PLANT - Direct SD	P90		Directly Assigned to Jurisdiction	0	0	0	20
21	INTANGIBLE PLANT - Direct FERC	Direct FERC		Directly Assigned to FERC	0	0	0	21
22	<b>TOTAL CWIP - Direct Assigned</b>			ALLOWED ONLY IN MN & FERC	95,776,331	0	95,776,331	22
23								23
24								24
25	<u>CONST WORK-IN-PROGRESS - SHORT-TERM</u>							25
26	PRODUCTION PLANT	P10			0	0	0	26
27	TRANSMISSION PLANT	D2			686,250	271,748	414,502	27
28	DISTRIBUTION PLANT	P60			0	0	0	28
29	GENERAL PLANT	P90			0	0	0	29
30	INTANGIBLE PLANT	P90			0	0	0	30
31								31
32	<b>TOTAL CWIP - SHORT-TERM</b>			ALLOWED ONLY IN MN, ND & FERC	686,250	271,748	414,502	32
33								33
34								34
35	<u>CONST WORK-IN-PROGRESS - LONG TERM</u>							35
36	PRODUCTION PLANT (AFUDC Projects)	P10			14,041,071	0	14,041,071	36
37	PRODUCTION PLANT (Rider Projects)	P10			0	0	0	37
38	TRANSMISSION PLANT (AFUDC Projects)	D2			5,855,294	0	5,855,294	38
39	TRANSMISSION PLANT (Rider Projects)	D2			0	0	0	39
40	DISTRIBUTION PLANT	P60			1,149,148	0	1,149,148	40
41	GENERAL PLANT	P90			1,603,969	0	1,603,969	41
42	INTANGIBLE PLANT	P90			5,942,443	0	5,942,443	42
43								43
44	<b>TOTAL CWIP - LONG TERM - AFUDC Projects</b>			ALLOWED ONLY IN MN & FERC	28,591,925	0	28,591,925	44
45	<b>TOTAL CWIP - LONG TERM - Rider Projects</b>				0	0	0	45
46								46
47								47
48	<b>TOTAL CONSTRUCTION WORK-IN-PROGRESS</b>		107		125,054,506	271,748	124,782,759	48
49								49
50								50
51	<u>MATERIALS &amp; SUPPLIES</u>							51
52	PRODUCTION	P10			6,230,432	2,290,815	3,939,617	52
53	TRANSMISSION	D2			5,450,400	2,158,299	3,292,101	53
54	DISTRIBUTION	P60			8,335,905	3,826,435	4,509,470	54
55								55
56	<b>TOTAL MATERIALS AND SUPPLIES</b>		154, 158.1		20,016,737	8,275,549	11,741,188	56
57								57
58								58
59	<u>FUEL STOCKS</u>							59
60	COAL STOCKS	E1			9,319,627	3,323,221	5,996,406	60
61	FUEL OIL STOCKS	D1			2,780,049	1,107,584	1,672,465	61
62								62
63	<b>TOTAL FUEL STOCKS</b>		1510		12,099,676	4,430,805	7,668,871	63
64								64
65								65
66	PREPAYMENTS	NEPIS	128, 228.3		(36,579,505)	(13,189,483)	(23,390,022)	66
67								67
68	CUSTOMER ADVANCES	NEPIS	235, 253		(1,013,988)	(365,614)	(648,374)	68
69								69
70	CASH WORKING CAPITAL	OX		SEPARATELY CALCULATED BY JURISDI	12,629,886	3,656,607	8,973,279	70
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	ACCUMULATED DEFERRED INCOME TAXES						1
2	ITEMS SD FLOWS THROUGH						2
3	FEDERAL	NPMNR		435,531	171,547	263,984	3
4	MINNESOTA	NPISM		72,069	0	72,069	4
5	NORTH DAKOTA	NPISN		35,772	35,772	0	5
6							6
7	SUBTOTAL			543,371	207,318	336,052	7
8							8
9	ALL OTHER						9
10	FEDERAL	NEPIS		(184,891,462)	(66,666,370)	(118,225,093)	10
11	FEDERAL (Direct FERC)	Direct FERC		(23,906,999)	0	(23,906,999)	11
12	MINNESOTA	NPISM		(33,249,051)	0	(33,249,051)	12
13	NORTH DAKOTA	NPISN		(36,778,353)	(36,778,353)	0	13
14							14
15	SUBTOTAL			(278,825,865)	(103,444,723)	(175,381,142)	15
16							16
17	TOTAL ACCUMULATED DEFERRED INCOME TAXES		190, 255, 281-283	(278,282,495)	(103,237,405)	(175,045,090)	17
18							18
19							19
20	UNAMORTIZED BALANCE - SPIRITWOOD PL	P10		0	0	0	20
21							21
22							22
23	UNAMORTIZED RATE CASE EXPENSES	R10		0	0	0	23
24							24
25							25
26							26
27							27
28	TOTAL AVERAGE RATE BASE			1,104,549,596	350,782,707	753,766,889	28
29							29
30							30
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32							32
33							33
34							34
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LINE NO	ITEM	ALLOC	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	OPERATING REVENUES					1
2	SALES OF ELECTRICITY		390,016,076	148,037,074	241,979,002	2
3	OTHER OPERATING REVENUE		58,232,545	10,040,248	48,192,297	3
4						4
5	<b>TOTAL OPERATING REVENUE</b>		<b>448,248,621</b>	<b>158,077,321</b>	<b>290,171,299</b>	5
6						6
7						7
8	OPERATING EXPENSES					8
9	PRODUCTION EXPENSES		161,876,335	60,104,535	101,771,800	9
10	TRANSMISSION EXPENSES		35,311,843	13,507,453	21,804,390	10
11	DISTRIBUTION EXPENSES		16,917,384	7,680,921	9,236,463	11
12	CUSTOMER ACCOUNTING EXPENSES		13,849,926	6,091,579	7,758,346	12
13	CUSTOMER SERVICE AND INFORMATION EXPENSES		11,097,740	1,382,509	9,715,231	13
14	SALES EXPENSES		273,627	22,472	251,155	14
15	ADMINISTRATIVE AND GENERAL EXPENSES		50,400,273	20,112,229	30,288,045	15
16	CHARITABLE CONTRIBUTIONS		0	0	0	16
17	DEPRECIATION EXPENSE		54,316,572	20,716,262	33,600,309	17
18	AMORTIZATION OF BIG STONE PLANT CAPITALIZED COSTS		0	0	0	18
19	SPIRITWOOD AMORTIZATION		0	0	0	19
20	GENERAL TAXES		15,375,197	4,902,302	10,472,896	20
21						21
22	<b>TOTAL OPERATING EXPENSES</b>		<b>359,418,897</b>	<b>134,520,262</b>	<b>224,898,635</b>	22
23						23
24				0		24
25	<b>NET OPERATING INCOME BEFORE INCOME TAXES</b>		<b>88,829,724</b>	<b>23,557,059</b>	<b>65,272,664</b>	25
26						26
27						27
28	INCOME TAX EXPENSE					28
29	INVESTMENT TAX CREDIT		(4,487,336)	(1,681,974)	(2,805,362)	29
30	DEFERRED INCOME TAXES		2,599,820	1,321,609	1,278,211	30
31	INCOME TAXES		21,246,187	4,336,226	16,909,961	31
32						32
33	<b>TOTAL INCOME TAX EXPENSE</b>		<b>19,358,671</b>	<b>3,975,861</b>	<b>15,382,810</b>	33
34						34
35						35
36						36
37	<b>NET OPERATING INCOME</b>		<b>69,471,053</b>	<b>19,581,198</b>	<b>49,889,855</b>	37
38						38
39						39
40	Allowance for Funds Used During Construction		2,027,574	0	2,027,574	40
41	Allowance for Funds Used During Construction - MN Only		0	0	0	41
42	Allowance for Funds Used During Construction - SD Only		0	0	0	42
43	<b>TOTAL ALLOWANCE FOR FUNDS USED DURING CONSTRUCTION</b>		<b>2,027,574</b>	<b>0</b>	<b>2,027,574</b>	43
44						44
45						45
46	<b>TOTAL AVAILABLE FOR RETURN</b>		<b>71,498,627</b>	<b>19,581,198</b>	<b>51,917,429</b>	46
47						47
48						48
49						49
50						50
51	AVERAGE CENTS PER KWH					51
52						52
53						53
54						54
55						55
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60						60
61						61
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS		TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	OPERATING REVENUES							1
2								2
3	SALES OF ELECTRICITY	R10	440, 442, 444-445	108, 115	390,016,076	148,037,074	241,979,002	3
4								4
5								5
6	OTHER OPERATING REVENUES							6
7	SALES FOR RESALE							7
8	MUNICIPALITIES & OFF-SYSTEM SALES			DIRECTLY ASSIGNED TO FERC JURISDI	198,999	0	198,999	8
9	NON-ASSOCIATED UTILITIES, CO-OPS & OPA							9
10	BUY-SELL TRANSACTIONS	D2			0	0	0	10
11	ALL OTHER TRANSACTIONS							11
12	BASE DEMAND	E1			0	0	0	12
13	PEAK DEMAND	D1			0	0	0	13
14	BASE ENERGY	E2			15,026	5,646	9,380	14
15	PEAK ENERGY	D1			0	0	0	15
16								16
17	TOTAL ALL OTHER TRANSACTIONS				15,026	5,646	9,380	17
18								18
19	TOTAL SALES FOR RESALE				214,025	5,646	208,378	19
20								20
21								21
22	OTHER ELECTRIC REVENUES							22
23	LATE FEES	C1	450	DIRECTLY ASSIGNED TO JURISDICTION	705,671	277,669	428,002	23
24	CONNECTION FEES	C1	451	DIRECTLY ASSIGNED TO JURISDICTION	353,894	135,015	218,879	24
25	RENT FROM ELECTRIC PROPERTY	NEPIS	454		568,008	204,807	363,201	25
26	RENT FROM ELECTRIC PROPERTY - BIG	NEPIS	454		11,825	4,264	7,562	26
27	RENT FROM ELECTRIC PROPERTY - COY	NEPIS	454		9,800	3,534	6,266	27
28	OTHER MISC ELECTRIC REVENUE	NEPIS	456		2,576,976	929,181	1,647,795	28
29	OTHER MISC ELECTRIC REVENUE - MN	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	29
30	OTHER MISC ELECTRIC REVENUE - ND	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	30
31	OTHER MISC ELECTRIC REVENUE - SD	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	31
32	ITA DEFICIENCY PAYMENTS	NEPIS	456		1,773,638	639,521	1,134,117	32
33		NEPIS			0	0	0	33
34	MISCELLANEOUS SERVICES	NEPIS			28,101	10,132	17,968	34
35	WHEELING		456	DIRECTLY ASSIGNED TO FERC JURISDI	439,772	0	439,772	35
36	LOAD CONTROL AND DISPATCH	NEPIS	456		21,716,925	7,830,478	13,886,447	36
37	LOAD CONTROL AND DISPATCH (Direct F	Direct FERC	456	DIRECTLY ASSIGNED TO FERC JURISDI	29,831,233	0	29,831,233	37
38	RESIDENTIAL CONSERVATION SERVICES	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	2,676	0	2,676	38
39								39
40	TOTAL OTHER ELECTRIC REVENUES				58,018,520	10,034,601	47,983,919	40
41								41
42	TOTAL OTHER OPERATING REVENUES				58,232,545	10,040,248	48,192,297	42
43								43
44						0		44
45	TOTAL OPERATING REVENUES				448,248,621	158,077,321	290,171,299	45
46								46
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<b>OPERATING EXPENSES</b>						1
2	<b>PRODUCTION EXPENSES</b>						2
3	PROD EXPENSES EXCLUDING PURCHASED POWER						3
4	BASE DEMAND	E1	500, 502, 505-507, 509-511, 535, 537-543, 546, 548-554, 556-557	16,232,658	5,788,291	10,444,367	4
5	PEAK DEMAND	D1	500, 502, 506-507, 509-511, 535, 537-543, 546, 548-554, 556-557	4,298,595	1,712,580	2,586,015	5
6	BASE ENERGY	E2	501, 512-514, 544-546, 548-554	89,312,771	26,045,897	43,266,874	6
7	PEAK ENERGY	D1	547	508,600	202,629	305,971	7
8	BASE DEMAND (Direct MN)			1,032,569	0	1,032,569	8
9	PEAK DEMAND (Direct MN)			230,821	0	230,821	9
10							10
11	<b>TOTAL EXCLUDING PURCHASED POWER</b>			91,616,013	33,749,396	57,866,617	11
12					0		12
13					0		13
14	PURCHASED POWER				0		14
15	BUY SELL TRANSACTIONS	D2		0	0	0	15
16	ALL OTHER TRANSACTIONS				0		16
17	BASE DEMAND	E1	555	2,439,877	870,019	1,569,858	17
18	PEAK DEMAND	D1		0	0	0	18
19	BASE ENERGY	E2	555	67,820,445	25,485,120	42,335,325	19
20	PEAK ENERGY	D1		0	0	0	20
21							21
22	<b>TOTAL ALL OTHER TRANSACTIONS</b>			70,260,322	26,355,139	43,905,183	22
23							23
24	<b>TOTAL PURCHASED POWER</b>			70,260,322	26,355,139	43,905,183	24
25							25
26	<b>TOTAL PRODUCTION EXPENSES</b>			161,876,335	60,104,535	101,771,800	26
27							27
28							28
29	TRANSMISSION EXPENSES	D2	560, 561.1-561.2, 561.4-561.6, 562-563, 565-568, 569.1-569.3, 570-573	34,110,670	13,507,453	20,603,218	29
30	TRANSMISSION EXPENSES (Direct MN)			1,184,949	0	1,184,949	30
31	TRANSMISSION EXPENSES (Direct FERC)	Direct FERC		16,223	0	16,223	31
32	<b>TOTAL TRANSMISSION EXPENSES</b>			35,311,843	13,507,453	21,804,390	32
33							33
34							34
35	<b>DISTRIBUTION EXPENSES</b>						35
36	PRIMARY DEMAND	D3	580-584, 588-590, 592-594, 598	5,246,930	2,406,793	2,840,136	36
37	SECONDARY DEMAND	D4	580-581, 583-584, 588, 590, 593-595, 598	1,880,361	902,966	977,395	37
38	PRIMARY CUSTOMER	C2	580-581, 583-584, 588-590, 593-594, 598	3,090,357	1,383,580	1,706,777	38
39	SECONDARY CUSTOMER	C3	580-581, 583-584, 587-588, 590, 593-595, 598	2,200,175	985,321	1,214,854	39
40	STREETLIGHTING	C4	580-581, 583-585, 588-590, 593-594, 596, 598	1,662,551	724,560	937,991	40
41	AREA LIGHTING	C5	580-581, 583-584, 588-590, 593-594, 598	143,049	74,046	69,003	41
42	METERS	C6	580-581, 586, 588, 597-598	2,693,960	1,203,654	1,490,306	42
43	LOAD MANAGEMENT	C9		0	0	0	43
44							44
45	<b>TOTAL DISTRIBUTION</b>	OXD		16,917,384	7,680,921	9,236,463	45
46							46
47							47
48	<b>CUSTOMER ACCOUNTING EXPENSES</b>						48
49	METER READING	C7	901-902	5,356,450	2,289,472	3,066,978	49
50	OTHER	C8	901, 903-905	8,493,476	3,802,108	4,691,368	50
51							51
52	<b>TOTAL CUSTOMER ACCOUNTS</b>	OXC		13,849,926	6,091,579	7,758,346	52
53							53
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OTTER TAIL POWER COMPANY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS		TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<u>CUSTOMER SERVICE &amp; INFORMATION EXPENSE</u>							1
2	CONSERVATION & PROMOTIONAL REBATE	C1	908	DIRECTLY ASSIGNED TO JURISDICTION	8,000,238	0	8,000,238	2
3	OTHER	C1	907-910		3,097,502	1,382,509	1,714,992	3
4								4
5	<b>TOTAL CUSTOMER SERV &amp; INFORMATION</b>	<b>OXI</b>			<b>11,097,740</b>	<b>1,382,509</b>	<b>9,715,231</b>	5
6								6
7								7
8	<u>SALES EXPENSES</u>							8
9	OFF-PEAK DEVELOPMENT	C1	912	DIRECTLY ASSIGNED TO JURISDICTION	223,279	0	223,279	9
10	OTHER	C1	912-913, 916		50,347	22,472	27,876	10
11								11
12	<b>TOTAL SALES EXPENSES</b>				<b>273,627</b>	<b>22,472</b>	<b>251,155</b>	12
13								13
14								14
15	<u>ADMINISTRATIVE &amp; GENERAL EXPENSES</u>							15
16	SALARIES, SUPPLIES, PENSIONS & BENEFITS							16
17	PRODUCTION	OXPD			14,499,338	5,283,691	9,215,647	17
18	TRANSMISSION	D2			5,609,114	2,221,148	3,387,966	18
19	DISTRIBUTION	OXD			9,082,327	4,123,607	4,958,721	19
20	CUSTOMER ACCOUNTS	OXC			7,223,065	3,176,903	4,046,162	20
21	CUSTOMER SERVICE & INFO	C1			1,596,637	712,628	884,009	21
22								22
23	<b>TOTAL SALARIES, SUPPLIES, PENSIONS, AND BENE</b>		920-922, 926		<b>38,010,481</b>	<b>15,517,977</b>	<b>22,492,504</b>	23
24								24
25	LOAD MANAGEMENT EXPENSES	C9			0	0	0	25
26								26
27	OUTSIDE SERVICES	NEPIS	923		1,329,645	479,431	850,215	27
28								28
29	PROPERTY INSURANCE	NEPIS	924		2,226,894	802,952	1,423,942	29
30								30
31	INJURIES & DAMAGES	NEPIS	925		2,184,840	787,788	1,397,052	31
32								32
33	REGULATORY COMMISSION EXPENSE	R10	928	DIRECTLY ASSIGNED TO JURISDICTION	2,846,861	961,755	1,885,106	33
34								34
35	GENERAL ADVERTISING	C1	930.1		19,489	8,698	10,790	35
36								36
37	MISCELLANEOUS, RENTS, MAINTENANCE	P90	930.2, 931, 935		3,782,064	1,553,628	2,228,436	37
38								38
39	<b>TOTAL ADMINISTRATIVE &amp; GENERAL EXP</b>				<b>50,400,273</b>	<b>20,112,229</b>	<b>30,288,045</b>	39
40								40
41								41
42	CHARITABLE CONTRIBUTIONS	C1	426.1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	42
43								43
44								44
45	<b>TOTAL O &amp; M EXPENSES</b>				<b>289,727,128</b>	<b>108,901,698</b>	<b>180,825,430</b>	45
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NORTH DAKOTA

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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	DEPRECIATION EXPENSE						1
2	PRODUCTION						2
3	BASE DEMAND	E1		14,473,420	5,160,977	9,312,444	3
4	PEAK DEMAND	D1		5,798,852	2,310,289	3,488,563	4
5	BASE ENERGY	E2		8,567,467	3,219,426	5,348,040	5
6	TOTAL PRODUCTION			28,839,739	10,690,692	18,149,047	6
7							7
8							8
9							9
10	TRANSMISSION	D2		6,852,461	2,713,500	4,138,961	10
11	TRANSMISSION (Direct FERC)	Direct FERC		2,202,087	0	2,202,087	11
12	TOTAL TRANSMISSION			9,054,548	2,713,500	6,341,048	12
13							13
14							14
15	DISTRIBUTION	P60		11,732,197	5,385,437	6,346,760	15
16							16
17							17
18	GENERAL	P90		2,285,866	939,007	1,346,859	18
19							19
20							20
21	INTANGIBLE	P90		2,404,221	987,626	1,416,595	21
22							22
23							23
24	TOTAL DEPRECIATION EXPENSE		403	54,316,572	20,716,262	33,600,309	24
25							25
26							26
27							27
28							28
29							29
30							30
31	BIG STONE EXPENSE OFFSETS	P10		0	0	0	31
32							32
33							33
34	SPIRITWOOD AMORTIZATION	P10	406	0	0	0	34
35							35
36							36
37							37
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OTTER TAIL POWER COMPANY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	GENERAL TAXES	NEPIS		13,595,966	4,902,302	8,693,665	1
2	GENERAL TAXES (Direct FERC)	Direct FERC		1,779,231	0	1,779,231	2
3	<b>TOTAL GENERAL TAXES</b>		408.1	15,375,197	4,902,302	10,472,896	3
4							4
5	NET OPERATING INCOME BEFORE TAX (NOIBT)			88,829,724	23,557,059	65,272,664	5
6							6
7	INVESTMENT TAX CREDIT						7
8	AMORTIZE PRIOR YEARS CREDIT	EPIS		(4,487,336)	(1,681,974)	(2,805,362)	8
9	DEBITS UTILIZED	EPIS		0	0	0	9
10							10
11	<b>TOTAL INVESTMENT TAX CREDIT</b>		411.4	(4,487,336)	(1,681,974)	(2,805,362)	11
12							12
13	<u>DEFERRED INCOME TAXES</u>						13
14	ITEMS SOUTH DAKOTA FLOWS THROUGH						14
15	FEDERAL	NPMNR		0	0	0	15
16	MINNESOTA	NPISM		0	0	0	16
17	NORTH DAKOTA	NPISN		0	0	0	17
18							18
19	<b>SUBTOTAL</b>			0	0	0	19
20							20
21	<u>ALL OTHER</u>						21
22							22
23	FEDERAL- transfer from Current Income Taxes - NOL	NOL		0	0	0	23
24	FEDERAL (NEPIS)	NEPIS		(403,737)	(145,575)	(258,161)	24
25	FEDERAL			(403,737)	(145,575)	(258,161)	25
26							26
27	MINNESOTA- transfer from Current Income Taxes - NOL	NOL		0	0	0	27
28	MINNESOTA (NPISM)	NPISM		1,533,416	0	1,533,416	28
29	MINNESOTA			1,533,416	0	1,533,416	29
30							30
31	NORTH DAKOTA- transfer from Current Income Taxes - NOL	NOL		577,409	573,151	4,258	31
32	NORTH DAKOTA (NPISN)	NPISN		894,033	894,033	0	32
33	NORTH DAKOTA			1,470,140	1,467,184	2,956	33
34							34
35	<b>SUBTOTAL</b>			2,599,820	1,321,609	1,278,211	35
36							36
37	<b>TOTAL DEFERRED INCOME TAXES</b>		410.1-410.2, 411.1-411.2	2,599,820	1,321,609	1,278,211	37
38							38
39							39
40	<u>CURRENT INCOME TAXES</u>						40
41	FEDERAL- transfer to Deferred Income Taxes - NOL	NOL		0	0	0	41
42	FEDERAL CURRENT INCOME TAX			18,633,717	4,336,226	14,297,492	42
43	FEDERAL INCOME TAXES			18,633,717	4,336,226	14,297,492	43
44							44
45	MINNESOTA- transfer to Deferred Income Taxes - NOL	NOL		0	0	0	45
46	MINNESOTA CURRENT INCOME TAX			2,612,469	0	2,612,469	46
47	MINNESOTA INCOME TAXES			2,612,469	0	2,612,469	47
48							48
49	NORTH DAKOTA - transfer to Deferred Income Taxes - NOL	NOL		(577,409)	(573,151)	(4,258)	49
50	NORTH DAKOTA CURRENT INCOME TAX			577,410	573,151	4,258	50
51	NORTH DAKOTA INCOME TAXES			0	0	(0)	51
52							52
53	<b>TOTAL CURRENT INCOME TAXES</b>		409.1	21,246,187	4,336,226	16,909,961	53
54							54
55	<b>TOTAL INCOME TAXES</b>			19,358,671	3,975,861	15,382,810	55
56							56
57							57
58	<b>NET OPERATING INCOME</b>			69,471,053	19,581,198	49,889,855	58
59							59
60	AFDC	CWIPLT		2,027,574	0	2,027,574	60
61	AFDC - MN Only	CWIPLT		0	0	0	61
62	AFDC - SD Only	CWIPLT		0	0	0	62
63	<b>Total AFDC</b>	CWIPLT	419.1	2,027,574	0	2,027,574	63
64							64
65	<b>TOTAL AVAILABLE FOR RETURN</b>			71,498,627	19,581,198	51,917,429	65
66							66
67							67
68	RATE OF RETURN ON RATE BASE			6.47%	5.58%	6.89%	68
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LINE NO	ITEM	ALLOC	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	DEVELOPMENT OF FEDERAL INCOME TAX EXPENSE					1
2						2
3	NET OPERATING INCOME BEFORE TAX (NOIBT)		88,829,724	23,557,059	65,272,664	3
4	LESS: INTEREST COST	CALCULATED BY JURISDICTION	27,922,595	8,980,037	18,942,557	4
5						5
6	NET INCOME BEFORE TAX		60,907,129	14,577,022	46,330,107	6
7						7
8	FEDERAL SCHEDULE M ADJUSTMENTS:					8
9	ADDITIONAL TAX DEPRECIATION	NEPIS	10,435,199	3,762,623	6,672,576	9
10	COST TO REMOVE	NEPIS	500,000	180,285	319,715	10
11	DIRECTLY ASSIGNED SCHEDULE M ITEMS	NEPIS DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	11
12	ACCRUED VACATION PAY	NEPIS	0	0	0	12
13	CHARGES - OPERATING RESERVES	NEPIS	8,193,954	2,954,496	5,239,457	13
14	PROVISIONS - OPERATING RESERVES	NEPIS	(2,710,794)	(977,432)	(1,733,362)	14
15	UNBILLED REVENUES	NEPIS	0	0	0	15
16	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	16
17	OTHER SCHEDULE M ITEMS	NEPIS	(11,940,302)	(4,305,318)	(7,634,984)	17
18						18
19	SUBTOTAL FEDERAL SCHEDULE M ADJUSTMENTS		4,478,057	1,614,654	2,863,403	19
20						20
21	FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES		56,429,072	12,962,368	43,466,704	21
22						22
23	LESS:					23
24	MINNESOTA STATE INCOME TAXES	PER MINNESOTA STATE TAX CALCULATION	2,612,469	0	2,612,469	24
25	NORTH DAKOTA STATE INCOME TAXES	PER NORTH DAKOTA STATE TAX CALCULATION	577,410	573,151	4,259	25
26						26
27	FEDERAL TAXABLE INCOME		53,239,193	12,389,217	40,849,976	27
28	FEDERAL TAX RATE		35.00%	35.00%	35.00%	28
29						29
30	FEDERAL INCOME TAX BEFORE CREDITS		18,633,717	4,336,226	14,297,492	30
31	INVESTMENT TAX CREDIT - DEBITS UTILIZED	EPIS	0	0	0	31
32	FEDERAL INCOME TAXES before transfer to Deferred due to NOL		18,633,717	4,336,226	14,297,492	32
33	Less Current Federal Income Taxes Transferred to Deferred Income Taxes due to NOL		0	0	0	33
34	FEDERAL INCOME TAXES		18,633,717	4,336,226	14,297,492	34
35						35
36						36
37						37
38						38
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40						40
41						41
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LINE NO	ITEM	ALLOC	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	DEVELOPMENT OF MINNESOTA STATE INCOME TAX EXPENSE					1
2						2
3	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		41,742,601	0	41,742,601	3
4						4
5	<u>MINNESOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</u>					5
6	PAYSOP ADJUSTMENT	NEPIS	0	0	0	6
7	CHANGE IN EXCESS TAX DEPRECIATION - F	NEPIS	(15,563,590)	0	(15,563,590)	7
8	CHANGE IN AGRS - ORDINARY LOSS	NEPIS	0	0	0	8
9	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	9
10	MISCELLANEOUS ADJUSTMENTS TO FED S	NEPIS	478,840	0	478,840	10
11						11
12	<b>TOTAL MINNESOTA ADJUSTMENTS TO FED SCHEDULE M</b>		(15,084,750)	0	(15,084,750)	12
13						13
14	MINNESOTA TAXABLE INCOME		26,657,851	0	26,657,851	14
15	MINNESOTA TAX RATE		9.80%	0.00%	9.80%	15
16						16
17	MINNESOTA INCOME TAX prior to transfer to Deferred Income Tax due to NOL		2,612,469	0	2,612,469	17
18	Minnesota Current Income Tax transfer to Deferred Income Tax due to NOL		0	0	0	18
19	<b>MINNESOTA INCOME TAX</b>		2,612,469	0	2,612,469	19
20						20
21						21
22						22
23						23
24						24
25						25
26						26
27	DEVELOPMENT OF NORTH DAKOTA STATE INCOME TAX EXPENSE					27
28						28
29	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		12,962,368	12,962,368	0	29
30						30
31	<u>NORTH DAKOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</u>					31
32	CHANGE IN EXCESS TAX DEPRECIATION - F	NEPIS	(2,234)	(1,748)	(486)	32
33	CHANGE IN AGRS - ORDINARY LOSS - ND	NEPIS	0	0	0	33
34	CHANGE IN INCOME FROM ADR PROPERTY	NEPIS	0	0	0	34
35	MISCELLANEOUS ADJUSTMENTS TO FED S	NEPIS	456,613	357,325	99,288	35
36						36
37	<b>TOTAL NORTH DAKOTA ADJUSTMENTS TO FED SCHEDULE M</b>		454,380	355,577	98,803	37
38						38
39	<b>SUBTOTAL</b>		13,416,748	13,317,945	98,803	39
40	DEDUCTION OF FEDERAL INCOME TAXES		0	0	0	40
41						41
42	<b>NORTH DAKOTA TAXABLE INCOME</b>		13,416,748	13,267,945	148,803	42
43	NORTH DAKOTA TAX RATE		4.31%	4.31%	4.31%	43
44						44
45	NORTH DAKOTA INCOME TAX prior to transfer to Deferred Income Tax due to NOL		577,410	573,151	4,259	45
46	North Dakota Current Income Tax transfer to Deferred Income Tax due to NOL		(577,409)	(573,151)	(4,258)	46
47	<b>NORTH DAKOTA INCOME TAX</b>		0	0	(0)	47
48						48
49						49
50						50
51						51
52						52
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64						64

NORTH DAKOTA

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ALLOCATION FACTORS

LINE NO	ITEM	FACTOR	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	MWH CONSUMPTION AT GENERATORS - PERCENTAGE	E1	4,717,027 100.000000%	1,682,012 35.658308%	3,035,015 64.341692%	1
2						2
3						3
4	MWH CONSUMPTION AT GENERATORS - TO PERCENTAGE	E2	5,271,408 100.000000%	1,980,855 37.577342%	3,290,553 62.422658%	4
5						5
6						6
7	GENERATION DEMAND FACTOR PERCENTAGE	D1	740,845 100.000000%	295,156 39.840452%	445,689 60.159548%	7
8						8
9						9
10	TRANSMISSION DEMAND FACTOR PERCENTAGE	D2	745,364 100.000000%	295,156 39.598907%	450,208 60.401093%	10
11						11
12						12
13	DISTRIBUTION - PRIMARY DEMAND FACTOR PERCENTAGE	D3	879,600 100.000000%	403,477 45.870509%	476,123 54.129491%	13
14						14
15						15
16	DISTRIBUTION - SECONDARY DEMAND FACTOR PERCENTAGE	D4	1,168,271 100.000000%	561,014 48.020879%	607,257 51.979121%	16
17						17
18						18
19	CUSTOMER OR METER FACTORS					19
20	TOTAL RETAIL CUSTOMERS PERCENTAGE	C1	133,437 100.000000%	59,557 44.633048%	73,880 55.366952%	20
21						21
22						22
23	RETAIL SERVICE LOCATIONS PERCENTAGE	C2	140,167 100.000000%	62,754 44.770880%	77,413 55.229120%	23
24						24
25						25
26	SECONDARY SERVICE LOCATIONS PERCENTAGE	C3	140,091 100.000000%	62,738 44.783748%	77,353 55.216252%	26
27						27
28						28
29	STREET LIGHTING FACTOR PERCENTAGE	C4	5,464,004 100.000000%	2,381,279 43.581209%	3,082,725 56.418791%	29
30						30
31						31
32	AREA LIGHTING FACTOR PERCENTAGE	C5	4,786,865 100.000000%	2,477,820 51.762897%	2,309,045 48.237103%	32
33						33
34						34
35	METER FACTOR PERCENTAGE	C6	52,803,325 100.000000%	23,503,024 44.679731%	29,100,301 55.320269%	35
36						36
37						37
38	METER READING FACTOR PERCENTAGE	C7	182,297 100.000000%	77,918 42.742338%	104,379 57.257662%	38
39						39
40						40
41	SYSTEM SERVICE LOCATIONS PERCENTAGE	C8	140,192 100.000000%	62,757 44.765037%	77,435 55.234963%	41
42						42
43						43
44	LOAD MANAGEMENT FACTOR PERCENTAGE	C9	42,771 100.000000%	18,627 43.550537%	24,144 56.449463%	44
45						45
46						46
47						47
48						48
49						49
50						50
51						51
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LINE NO	ITEM	ALLOCATION FACTORS FACTOR	TOTAL COMPANY	NORTH DAKOTA	OTHER	LINE NO
1	GROSS PLANT IN SERVICE					1
7	PRODUCTION PLANT	P10	898,927,514	330,519,064	568,408,451	2
8	PERCENTAGE		100.000000%	36.768155%	63.231845%	3
9						4
10	DISTRIBUTION PLANT	P60	497,992,871	228,593,947	269,398,924	5
11	PERCENTAGE		100.000000%	45.903056%	54.096944%	6
12						7
13	GENERAL PLANT	P90	88,619,779	36,403,979	52,215,800	8
14	PERCENTAGE		100.000000%	41.078842%	58.921158%	9
15						10
16						11
17	ELECTRIC PLANT IN SERVICE	EPIS	2,014,590,782	755,122,657	1,259,468,125	12
18	PERCENTAGE		100.000000%	37.482682%	62.517318%	13
19						14
20	NET ELECTRIC PLANT IN SERVICE	NEPIS	1,250,595,122	450,927,457	799,667,665	15
21	PERCENTAGE		100.000000%	36.057030%	63.942970%	16
22						17
23	OPERATION AND MAINTENANCE EXPENSE					18
24	PRODUCTION EXPENSE (EXCL ENERGY)	OXPD	22,971,130	8,370,890	14,600,240	19
26	PERCENTAGE		100.000000%	36.440914%	63.559086%	20
27						21
28	DISTRIBUTION EXPENSE	OXD	16,917,384	7,680,921	9,236,463	22
29	PERCENTAGE		100.000000%	45.402533%	54.597467%	23
30						24
31	CUSTOMER ACCOUNTS EXPENSE	OXC	13,849,926	6,091,579	7,758,346	25
32	PERCENTAGE		100.000000%	43.982759%	56.017241%	26
33						27
34	CUSTOMER SERVICE & INFORMATION EXP	OXI	3,097,502	1,382,509	1,714,992	28
35	PERCENTAGE		100.000000%	44.633048%	55.366952%	29
36						30
37	OTHER DEFERRED INCOME TAX FACTOR					31
38	MINNESOTA	NPISM	693,906,919	0	693,906,919	32
39	PERCENTAGE		100.000000%	0.000000%	100.000000%	33
40						34
41	NORTH DAKOTA	NPISN	450,927,457	450,927,457	0	35
42	PERCENTAGE		100.000000%	100.000000%	0.000000%	36
43						37
44	EXCLUDING SOUTH DAKOTA	NPMNR	1,144,834,375	450,927,457	693,906,919	38
45	PERCENTAGE		100.000000%	39.388008%	60.611992%	39
46						40
47	LONG-TERM CWIP RATIO (W/AFDC)	CWIPLT	28,591,925	0	28,591,925	41
48	PERCENTAGE		100.000000%	0.000000%	100.000000%	42
49						43
50	REVENUE	R10	390,016,076	148,037,074	241,979,002	44
51	PERCENTAGE		100.000000%	37.956659%	62.043341%	45
52						46
53	LABOR AND RELATED EXPENSE	LRE	149,347,123	57,145,581	92,201,542	47
54	PERCENTAGE		100.000000%	38.263597%	61.736403%	48
55						49
56	TOTAL O & M EXPENSE	OX				50
57	PERCENTAGE					51
58						52
59						53
60						54
61						55
62						56
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LINE NO	ITEM	AMOUNT	AMOUNT AS		COST OF CAPITAL	RATE OF RETURN	LINE NO
			A PERCENT OF TOTAL				
1	<u>CAPITAL STRUCTURE - RATE OF RETURN</u>						1
2							2
3							3
4	LONG-TERM DEBT	508,651,995	47.50%		5.39%	2.56%	4
5							5
6	PREFERRED STOCK	0	0.00%		0.00%	0.00%	6
7							7
8	COMMON EQUITY	562,251,832	52.50%		10.30%	5.41%	8
9							9
10							10
11	<b>TOTAL</b>	<b>1,070,903,826</b>	<b>100.00%</b>			<b>7.97%</b>	11
12							12
13							13
14							14
15							15
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LINE NO	ITEM	ALLOCATION	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	CASH WORKING CAPITAL CALCULATION - REVENUE LEAD DAYS					1
2						2
3	REVENUES					3
4	COMPUTER MAINTAINED BILLINGS		349,940,352	139,631,523	210,308,829	4
5	MANUALLY MAINTAINED BILLINGS		33,287,140	13,282,075	20,005,065	5
6	COST OF ENERGY REVENUES	R10	7,871,578	(4,463,840)	12,335,418	6
7	SALES FOR RESALE		190,597	5,646	184,950	7
8	RENT FROM ELECTRIC PROPERTY		568,008	204,807	363,201	8
9	MISCELLANEOUS		2,576,976	929,181	1,647,795	9
10	ITA DEFICIENCY PAYMENTS		1,773,638	639,521	1,134,117	10
11	WHEELING		439,772	0	439,772	11
12	LOAD CONTROL AND DISPATCH		51,548,158	7,830,478	43,717,680	12
13	RENT FROM ELECTRIC PROPERTY - BIG STONE		11,825	4,264	7,562	13
14	RENT FROM ELECTRIC PROPERTY - COYOTE		9,800	3,534	6,266	14
15	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	15
16	MISCELLANEOUS SERVICES		28,101	10,132	17,968	16
17	RESIDENTIAL CONSERVATION SERVICES		2,678	0	2,678	17
18						18
19	<b>TOTAL REVENUES</b>		<b>448,248,621</b>	<b>158,077,321</b>	<b>290,171,299</b>	19
20						20
21	REVENUE LEAD DAYS FROM SERVICE TO COLLECTION					21
22						22
23	COMPUTER MAINTAINED BILLINGS		N/A	43.4	N/A	23
24	MANUALLY MAINTAINED BILLINGS		N/A	41.3	N/A	24
25	COST OF ENERGY REVENUES		N/A	127.7	N/A	25
26	SALES FOR RESALE		N/A	23.1	N/A	26
27	RENT FROM ELECTRIC PROPERTY		N/A	-92.4	N/A	27
28	MISCELLANEOUS		N/A	34.9	N/A	28
29	ITA DEFICIENCY PAYMENTS		N/A	48.4	N/A	29
30	WHEELING		N/A	35.8	N/A	30
31	LOAD CONTROL AND DISPATCH		N/A	27.9	N/A	31
32	RENT FROM ELECTRIC PROPERTY - BIG STONE		N/A	39.9	N/A	32
33	RENT FROM ELECTRIC PROPERTY - COYOTE		N/A	39.9	N/A	33
34	PROFIT ON MATERIALS AND SUPPLIES		N/A	39.9	N/A	34
35	MISCELLANEOUS SERVICES		N/A	39.9	N/A	35
36	RESIDENTIAL CONSERVATION SERVICES		N/A	39.9	N/A	36
37						37
38						38
39	REVENUE DOLLAR DAYS (REVENUES X REVENUE LEAD DAYS)					39
40	COMPUTER MAINTAINED BILLINGS		15,187,411,269	6,060,008,093	9,127,403,175	40
41	MANUALLY MAINTAINED BILLINGS		1,374,758,879	548,549,703	826,209,177	41
42	COST OF ENERGY REVENUES		809,500,370	(570,108,920)	1,379,609,290	42
43	SALES FOR RESALE		4,395,161	130,206	4,264,955	43
44	RENT FROM ELECTRIC PROPERTY		(52,489,606)	(18,926,103)	(33,563,413)	44
45	MISCELLANEOUS		89,888,014	32,447,005	57,541,009	45
46	ITA DEFICIENCY PAYMENTS		85,844,099	30,952,833	54,891,267	46
47	WHEELING		15,726,231	0	15,726,231	47
48	LOAD CONTROL AND DISPATCH		1,438,193,603	218,470,338	1,219,723,265	48
49	RENT FROM ELECTRIC PROPERTY - BIG STONE		496,490	170,129	326,361	49
50	RENT FROM ELECTRIC PROPERTY - COYOTE		411,454	140,990	270,464	50
51	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	51
52	MISCELLANEOUS SERVICES		1,179,809	404,277	775,532	52
53	RESIDENTIAL CONSERVATION SERVICES		114,265	0	114,265	53
54						54
55	<b>TOTAL DOLLAR DAYS</b>		<b>18,955,530,038</b>	<b>6,302,238,461</b>	<b>12,653,291,577</b>	55
56						56
57						57
58	<b>AVG REVENUE LEAD DAYS (TOTAL REV DOLLAR DAYS / TOTAL REV)</b>		<b>42.3</b>	<b>39.9</b>	<b>43.6</b>	58
59						59
60						60

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LINE NO	ITEM	OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS	LEAD DAYS OF 42.7 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF						1
2	LEAD-LAG FACTORS-MINNESOTA JURISDICTION						2
3	FUEL - COAL E2	28,396,748	77,799	15.5	27.2	2,115,363	3
4							4
5	FUEL - OIL E1	33,457	92	11.2	31.5	2,886	5
6							6
7	PURCHASED POWER	37,542,735	102,857	31.6	11.1	1,143,768	7
8							8
9	LABOR AND ASSOCIATED PAYROLL EXPENS LRE	3,093,616	8,476	15.1	27.6	233,843	9
10							10
11	ALL OTHER O&M EXPENSE	83,980,200	230,083	13.1	29.6	6,811,761	11
12							12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)	5,878,714	16,106	299.5	-256.8	(4,135,762)	13
14							14
15	COAL CONVERSION TAXES	302,984	830	33.3	9.4	7,786	15
16							16
17	FEDERAL INCOME TAXES	7,046,529	19,306	0.0	42.7	824,347	17
18							18
19	STATE INCOME TAXES	844,408	2,313	0.0	42.7	98,784	19
20							20
21	INCREMENTAL FEDERAL INCOME TAXES	0	0	0.0	42.7	0	21
22							22
23	INCREMENTAL STATE INCOME TAXES	0	0	0.0	42.7	0	23
24							24
25	BANK BALANCES NEPIS					4,456	25
26							26
27	SPECIAL DEPOSITS NEPIS					3,410	27
28							28
29	WORKING FUNDS NEPIS					5,686	29
30							30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDI LRE	(2,657,704)	(7,281)	0.0		0	31
32							32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHHH LRE	(4,325,600)	(11,851)	0.0		0	33
34							34
35	TAX COLLECTIONS AVAIL - STATE WITHHOLD R10 ASSIGN TO JURIS	(1,900,000)	(5,205)	1.9		(9,942)	35
36							36
37	TAX COLLECTIONS AVAIL - STATE WITHHOLD R10 ASSIGN TO JURIS	0	0	69.1		0	37
38							38
39	TAX COLLECTIONS AVAILABLE - STATE SALE R10	(9,417,230)	(25,801)	12.7		(327,410)	39
40							40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE R10	(1,649,127)	(4,518)	27.6		(124,520)	41
42							42
43							43
44	L CASH WORKING CAPITAL REQUIREMENT - MINNESOTA					6,654,436	44
45							45
46							46
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LINE NO	ITEM	OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS	EXCESS REVENUE LEAD DAYS OF 39.9 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1	<b>CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF</b>						1
2	<b>LEAD-LAG FACTORS-NORTH DAKOTA JURISDICTION</b>						2
3	FUEL - COAL E2	19,990,895	54,770	15.5	24.4	1,335,830	3
4							4
5	FUEL - OIL E1	21,698	59	11.2	28.7	1,705	5
6							6
7	PURCHASED POWER	26,355,139	72,206	31.6	8.3	600,753	7
8							8
9	LABOR AND ASSOCIATED PAYROLL EX LRE	2,298,963	6,299	15.1	24.8	156,141	9
10							10
11	ALL OTHER O&M EXPENSE	60,235,003	165,027	13.1	26.8	4,423,675	11
12							12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)	4,662,025	12,773	299.5	-259.6	(3,315,566)	13
14							14
15	COAL CONVERSION TAXES	240,277	658	33.3	6.6	4,332	15
16							16
17	FEDERAL INCOME TAXES	4,336,226	11,880	0.0	39.9	474,015	17
18							18
19	STATE INCOME TAXES	0	0	0.0	39.9	0	19
20							20
21	INCREMENTAL FEDERAL INCOME TAXES	0	0	0.0	39.9	0	21
22							22
23	INCREMENTAL STATE INCOME TAXES	0	0	0.0	39.9	0	23
24							24
25	BANK BALANCES NEPIS					3,534	25
26							26
27	SPECIAL DEPOSITS NEPIS					2,704	27
28							28
29	WORKING FUNDS NEPIS					4,493	29
30							30
31	TAX COLLECTIONS AVAIL - FICA WITHH LRE	(1,975,022)	(5,411)	0.0		0	31
32							32
33	TAX COLLECTIONS AVAIL - FEDERAL W LRE	(3,214,488)	(8,807)	0.0		0	33
34							34
35	TAX COLLECTIONS AVAIL - STATE WITH R10 ASSIGN TO JURIS	0	0	1.9		0	35
36							36
37	TAX COLLECTIONS AVAIL - STATE WITH R10 ASSIGN TO JURIS	(185,000)	(507)	69.1		(34,998)	37
38							38
39	TAX COLLECTIONS AVAILABLE - STATE R10	(143)	(0)	23.8		(9)	39
40							40
41	TAX COLLECTIONS AVAILABLE - FRANG R10	0	0	0.0		0	41
42							42
43							43
44	<b>H WORKING CAPITAL REQUIREMENT - NORTH DAKOTA</b>					<b>3,656,607</b>	44
45							45
46							46
47							47
48							48
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LINE NO	ITEM		OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS	EXCESS REVENUE LEAD DAYS OF 63.6 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF							1
2	LEAD-LAG FACTORS-SOUTH DAKOTA JURISDICTION							2
3	FUEL - COAL	E2	4,772,381	13,075	15.5	48.1	628,778	3
4								4
5	FUEL - OIL	E1	5,643	15	11.2	52.4	810	5
6								6
7	PURCHASED POWER		6,310,284	17,288	31.6	32.0	553,576	7
8								8
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE	533,867	1,463	15.1	48.5	70,924	9
10								10
11	ALL OTHER O&M EXPENSE		14,005,548	38,371	13.1	50.5	1,937,973	11
12								12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)		1,093,434	2,996	299.5	-235.9	(706,636)	13
14								14
15	COAL CONVERSION TAXES		56,355	154	33.3	30.3	4,675	15
16								16
17	FEDERAL INCOME TAXES		603,436	1,653	0.0	63.6	105,147	17
18								18
19	STATE INCOME TAXES		0	0	0.0	63.6	0	19
20								20
21	INCREMENTAL FEDERAL INCOME TAXES		0	0	0.0	63.6	0	21
22								22
23	INCREMENTAL STATE INCOME TAXES		0	0	0.0	63.6	0	23
24								24
25	BANK BALANCES	NEPIS					829	25
26								26
27	SPECIAL DEPOSITS	NEPIS					634	27
28								28
29	WORKING FUNDS	NEPIS					1,054	29
30								30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDI	LRE	(458,641)	(1,257)	0.0		0	31
32								32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHH	LRE	(746,471)	(2,045)	0.0		0	33
34								34
35	TAX COLLECTIONS AVAIL - STATE WITHHOL	R10	0	0	1.9		0	35
36								36
37	TAX COLLECTIONS AVAIL - STATE WITHHOL	R10	0	0	69.1		0	37
38								38
39	TAX COLLECTIONS AVAILABLE - STATE SALE	R10	(1,268,662)	(3,476)	13.7		(47,479)	39
40								40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE	R10	0	0	0.0		0	41
42								42
43								43
44	CASH WORKING CAPITAL REQUIREMENT - SOUTH DAKOTA						2,550,284	44
45								45
46								46
47								47
48								48
49								49
50								50
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NORTH DAKOTA

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS	LEAD DAYS OF 28.0 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF						1
2	LEAD-LAG FACTORS-FERC JURISDICTION						2
3	FUEL - COAL E2	39,309	108	15.5	12.5	1,345	3
4							4
5	FUEL - OIL E1	51	0	11.2	16.8	2	5
6							6
7	PURCHASED POWER	52,163	143	31.6	-3.6	(512)	7
8							8
9	LABOR AND ASSOCIATED PAYROLL EXPENS LRE	81,778	224	15.1	12.9	2,888	9
10							10
11	ALL OTHER O&M EXPENSE	1,977,648	5,418	13.1	14.9	80,762	11
12							12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)	1,295,414	3,549	299.5	-271.5	(963,514)	13
14							14
15	COAL CONVERSION TAXES	66,764	183	33.3	-5.3	(973)	15
16							16
17	FEDERAL INCOME TAXES	6,647,527	18,212	0.0	28.0	509,947	17
18							18
19	STATE INCOME TAXES	1,768,061	4,844	0.0	28.0	135,632	19
20							20
21	INCREMENTAL FEDERAL INCOME TAXES	0	0	0.0	28.0	0	21
22							22
23	INCREMENTAL STATE INCOME TAXES	0	0	0.0	28.0	0	23
24							24
25	BANK BALANCES NEPIS					982	25
26							26
27	SPECIAL DEPOSITS NEPIS					751	27
28							28
29	WORKING FUNDS NEPIS					1,249	29
30							30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLD LRE	(70,255)	(192)	0.0		0	31
32							32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHH LRE	(114,345)	(313)	0.0		0	33
34							34
35	TAX COLLECTIONS AVAIL - STATE WITHHOLD R10 ASSIGN TO JURIS	0	0	1.9		0	35
36							36
37	TAX COLLECTIONS AVAIL - STATE WITHHOLD R10 ASSIGN TO JURIS	0	0	69.1		0	37
38							38
39	TAX COLLECTIONS AVAILABLE - STATE SALE R10	0	0	0.0		0	39
40							40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE R10	0	0	0.0		0	41
42							42
43							43
44	TOTAL CASH WORKING CAPITAL REQUIREMENT - FERC					(231,440)	44
45							45
46							46
47							47
48							48
49							49
50							50
51							51
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NORTH DAKOTA

OTTER TAIL POWER COMPANY  
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LINE NO	ITEM		OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS	EXCESS REVENUE LEAD DAYS OF 42.3 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF							1
2	LEAD-LAG FACTORS - TOTAL CO.							2
3	FUEL - COAL						4,081,316	3
4								4
5	FUEL - OIL	E1					5,403	5
6								6
7	PURCHASED POWER						2,297,585	7
8								8
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE					463,796	9
10								10
11	ALL OTHER O&M EXPENSE						13,254,171	11
12								12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)						(9,121,479)	13
14								14
15	COAL CONVERSION TAXES						15,820	15
16								16
17	FEDERAL INCOME TAXES						1,913,456	17
18								18
19	STATE INCOME TAXES						234,416	19
20								20
21	INCREMENTAL FEDERAL INCOME TAXES						0	21
22								22
23	INCREMENTAL STATE INCOME TAXES						0	23
24								24
25	BANK BALANCES	NEPIS					9,800	25
26								26
27	SPECIAL DEPOSITS	NEPIS					7,500	27
28								28
29	WORKING FUNDS	NEPIS					12,462	29
30								30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDI	LRE					0	31
32								32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHH	LRE					0	33
34								34
35	TAX COLLECTIONS AVAIL - STATE WITHHOL	R10	ASSIGN TO JURIS				(9,942)	35
36								36
37	TAX COLLECTIONS AVAIL - STATE WITHHOL	R10	ASSIGN TO JURIS				(34,998)	37
38								38
39	TAX COLLECTIONS AVAILABLE - STATE SALE	R10					(374,899)	39
40								40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE	R10					(124,520)	41
42								42
43								43
44	CASH WORKING CAPITAL REQUIREMENT - TOTAL COMPANY						12,629,886	44
45								45
46								46
47								47
48								48
49								49
50								50
51								51
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NORTH DAKOTA

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	RATE BASE		478,584,524	350,782,707	92,503,816	168,855,308	1,104,549,596	1
2								2
3	TOTAL AVAILABLE FOR RETURN		29,466,836	19,581,198	4,295,058	17,178,462	71,498,627	3
4								4
5	RATE OF RETURN EARNED		6.16%	5.58%	4.64%	10.17%	6.47%	5
6								6
7	RATE OF RETURN REQUESTED		7.97%	7.97%	7.97%	7.97%	7.97%	7
8								8
9	OPERATING INCOME REQUIRED		38,143,187	27,957,382	7,372,554	13,457,768	88,032,603	9
10								10
11	TOTAL AVAILABLE FOR RETURN		29,466,836	19,581,198	4,295,058	17,178,462	71,498,627	11
12								12
13	OPERATING INCOME DEFECIENCY		8,676,351	8,376,184	3,077,498	(3,720,694)	16,533,978	13
14								14
15	INCREMENTAL TAXES	GRCF =	6,122,132	5,090,674	1,663,514	3,720,694	16,597,014	15
16								16
17	REVENUE INCREASE REQUIRED		14,798,483	13,466,858	4,741,010	0	33,130,990	17
18								18
19	PERCENTAGE INCREASE		7.11%	9.10%	14.06%	0.00%	8.49%	19
20								20
21								21
22								22
23								23
24								24
25	RETURN ON EQUITY							25
26								26
27								27
28								28
29								29
30								30
31		REVENUE DEF	14,798,483	13,466,858	4,741,010	-	33,130,990	31
32								32
33		NOIBT	35,265,156	23,557,059	4,470,903	25,536,606	88,829,724	33
34								34
35		TOT INC B/4 TAX	50,063,639	37,023,917	9,211,913	25,536,606	121,860,714	35
36								36
37		ROR REQ B/4 TAX	10.46%	10.55%	9.96%	15.12%	11.04%	37
38								38
39								39
40								40
41								41
42								42
43								43
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	ELECTRIC PLANT IN SERVICE		951,299,290	755,122,657	176,638,636	131,530,200	2,014,590,782	1
2								2
3	ACCUMULATED DEPRECIATION		(382,689,393)	(304,195,201)	(70,877,890)	(6,233,178)	(763,995,661)	3
4								4
5	NET PLANT EXCLUDING BIG STONE PLANT CAPITALIZED IT		568,609,896	450,927,457	105,760,746	125,297,022	1,250,595,122	5
6								6
7	NET CAPITALIZED ITEMS - BIG STONE PLANT		0	0	0	0	0	7
8								8
9	NET ELECTRIC PLANT IN SERVICE		568,609,896	450,927,457	105,760,746	125,297,022	1,250,595,122	9
10								10
11	PLANT HELD FOR FUTURE USE		13,683	13,044	2,816	114	29,657	11
12								12
13	CONSTRUCTION WORK IN PROGRESS		15,105,357	271,748	0	95,854,162	125,054,506	13
14								14
15	MATERIALS AND SUPPLIES		9,793,721	8,275,549	1,882,533	64,934	20,016,737	15
16								16
17	FUEL STOCKS		6,534,970	4,430,805	1,122,620	11,281	12,099,676	17
18								18
19	PREPAYMENTS		(16,631,656)	(13,189,483)	(3,093,468)	(3,664,898)	(36,579,505)	19
20								20
21	CUSTOMER ADVANCES		(461,032)	(365,614)	(85,751)	(101,591)	(1,013,988)	21
22								22
23	CASH WORKING CAPITAL		6,654,436	3,656,607	2,550,284	(231,440)	12,629,886	23
24								24
25	ACCUMULATED DEFERRED INCOME TAXES		(111,034,850)	(103,237,405)	(15,635,963)	(48,374,276)	(278,282,495)	25
26								26
27	UNAMORTIZED BALANCE - SPIRITWOOD		0	0	0	0	0	27
28								28
29	UNAMORTIZED RATE CASE EXPENSE		0	0	0	0	0	29
30								30
31	<b>TOTAL AVERAGE RATE BASE</b>		<b>478,584,524</b>	<b>350,782,707</b>	<b>92,503,816</b>	<b>168,855,308</b>	<b>1,104,549,596</b>	31
32								32
33								33
34							***	34
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\*\*\* NOTE: TOTAL AVERAGE RATE BASE WILL NOT ADD ACROSS BECAUSE CWIP IS NOT ALLOCATED TO ALL JURISDICTIONS.

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<b>PLANT IN SERVICE</b>							1
2	A/C 101 & 106 - Direct MN	Direct MN	3,520,019	0	0	0	3,520,019	2
3	A/C 101 & 106 - Direct ND	Direct ND	0	471,573	0	0	471,573	3
4	A/C 101 & 106 - Direct SD	Direct SD	0	0	1,146,073	0	1,146,073	4
5	<b>Subtotal A/C 101 &amp; 106 - Direct Assigned</b>		<b>3,520,019</b>	<b>471,573</b>	<b>1,146,073</b>	<b>0</b>	<b>5,137,665</b>	5
6								6
7	<b>PRODUCTION PLANT</b>							7
8	A/C 101 & 106 - BASE DEMAND	E1	280,079,116	181,639,306	47,241,757	428,286	509,388,465	8
9	PEAK DEMAND	D1	89,212,343	70,042,290	16,334,484	217,847	175,806,964	9
10	BASE ENERGY	E2	110,495,784	77,787,414	18,570,012	152,955	207,006,166	10
11								11
12	<b>SUBTOTAL A/C 101 &amp; 106</b>		<b>483,307,263</b>	<b>329,940,583</b>	<b>83,292,326</b>	<b>799,088</b>	<b>897,339,260</b>	12
13								13
14	A/C 114 - BASE DEMAND	E1	713,729	462,874	120,387	1,091	1,298,081	14
15	PEAK DEMAND	D1	147,247	115,607	26,961	360	290,174	15
16	BASE ENERGY	E1	0	0	0	0	0	16
17								17
18	<b>SUBTOTAL A/C 114</b>		<b>860,976</b>	<b>578,480</b>	<b>147,347</b>	<b>1,451</b>	<b>1,588,255</b>	18
19								19
20	<b>TOTAL PRODUCTION PLANT</b>	P10	<b>484,168,239</b>	<b>330,519,064</b>	<b>83,439,673</b>	<b>800,539</b>	<b>898,927,514</b>	20
21								21
22								22
23	<b>TRANSMISSION PLANT</b>							23
24	A/C 101 & 106	D2	195,898,819	153,803,850	35,868,424	2,833,185	388,404,278	24
25	A/C 101 & 106 (Direct FERC)	Direct FERC	0	0	0	126,520,627	126,520,627	25
26	A/C 114	D2	29,398	23,081	5,383	425	58,287	26
27								27
28	<b>TOTAL TRANSMISSION PLANT</b>		<b>195,928,217</b>	<b>153,826,931</b>	<b>35,873,806</b>	<b>129,354,237</b>	<b>514,983,192</b>	28
29								29
30								30
31	<b>DISTRIBUTION PLANT</b>							31
32	PRIMARY DEMAND	D3	81,106,798	85,455,191	18,564,213	1,170,390	186,296,591	32
33	SECONDARY DEMAND	D4	42,353,726	48,993,034	10,677,682	0	102,024,443	33
34	PRIMARY CUSTOMER	C2	36,373,802	34,970,609	6,763,525	2,229	78,110,165	34
35	SECONDARY CUSTOMER	C3	34,584,049	33,265,375	6,430,592	0	74,280,016	35
36	STREETLIGHTING	C4	6,320,737	6,080,955	1,551,465	0	13,953,157	36
37	AREA LIGHTING	C5	3,295,355	4,151,739	573,592	0	8,020,685	37
38	METERS	C6	12,261,656	11,882,166	2,450,265	0	26,594,087	38
39	LOAD MANAGEMENT	C9	4,084,991	3,794,879	833,867	0	8,713,737	39
40								40
41	<b>TOTAL DISTRIBUTION PLANT</b>	P60	<b>220,381,104</b>	<b>228,593,947</b>	<b>47,845,201</b>	<b>1,172,619</b>	<b>497,992,871</b>	41
42								42
43								43
44	<b>GENERAL PLANT</b>							44
45	PRODUCTION	P10	18,142,060	12,384,738	3,126,532	29,997	33,683,326	45
46	TRANSMISSION	D2	6,572,171	5,159,935	1,203,343	95,050	13,030,498	46
47	DISTRIBUTION	P60	9,337,168	9,685,132	2,027,119	49,682	21,099,100	47
48	CUSTOMER ACCOUNTS	OXC	7,928,186	7,380,245	1,471,135	294	16,779,859	48
49	CUSTOMER SERVICE & INFO	OXI	1,730,914	1,655,501	322,722	0	3,709,137	49
50	LOAD MANAGEMENT	C9	149,012	138,429	30,418	0	317,859	50
51								51
52	<b>TOTAL GENERAL PLANT</b>	P90	<b>43,859,510</b>	<b>36,403,979</b>	<b>8,181,268</b>	<b>175,022</b>	<b>88,619,779</b>	52
53								53
54								54
55	<b>INTANGIBLE PLANT</b>	P90	<b>6,962,220</b>	<b>5,778,736</b>	<b>1,298,687</b>	<b>27,783</b>	<b>14,067,426</b>	55
56								56
57								57
58	<b>TOTAL PLANT IN SERVICE</b>	EPIS	<b>951,299,290</b>	<b>755,122,657</b>	<b>176,638,636</b>	<b>131,530,200</b>	<b>2,014,590,782</b>	58
59								59
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62								62
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	ACCUMULATED DEPRECIATION							1
2	PRODUCTION PLANT							2
3	BASE DEMAND	E1	(129,491,841)	(83,979,157)	(21,841,764)	(198,014)	(235,510,776)	3
4	PEAK DEMAND	D1	(38,264,452)	(30,042,142)	(7,006,094)	(93,438)	(75,406,125)	4
5	BASE ENERGY	E2	(40,603,078)	(28,583,972)	(6,823,787)	(56,205)	(76,067,042)	5
6	TOTAL PRODUCTION PLANT		(208,359,371)	(142,605,271)	(35,671,645)	(347,657)	(386,983,943)	6
7								7
8								8
9								9
10	TRANSMISSION PLANT	D2	(61,584,694)	(48,351,303)	(11,275,953)	(890,668)	(122,102,619)	10
11	TRANSMISSION PLANT (Direct FERC)	Direct FERC	0	0	0	(4,418,753)	(4,418,753)	11
12	TOTAL TRANSMISSION PLANT		(61,584,694)	(48,351,303)	(11,275,953)	(5,309,421)	(126,521,372)	12
13								13
14								14
15	DISTRIBUTION PLANT	P60	(94,852,571)	(98,387,400)	(20,592,693)	(504,698)	(214,337,362)	15
16								16
17	GENERAL PLANT	P90	(16,897,692)	(14,025,311)	(3,151,986)	(67,431)	(34,142,419)	17
18								18
19								19
20								20
21	INTANGIBLE PLANT	P90	(995,064)	(825,917)	(185,613)	(3,971)	(2,010,565)	21
22								22
23	TOTAL ACCUMULATED DEPRECIATION		(382,689,393)	(304,195,201)	(70,877,890)	(6,233,178)	(763,995,661)	23
24								24
25								25
26	NET PLANT EXCLUDING BSP CAPITALIZED ITEMS		568,609,896	450,927,457	105,760,746	125,297,022	1,250,595,122	26
27								27
28								28
29	BSP CAPITALIZED ITEMS	P10	0	0	0	0	0	29
30		DIRECTLY ASSIGNED TO JURISDICTION						30
31								31
32	TOTAL NET PLANT IN SERVICE	NEPIS	568,609,896	450,927,457	105,760,746	125,297,022	1,250,595,122	32
33								33
34								34
35								35
36								36
37								37
38								38
39								39
40								40
41								41
42	PLANT HELD FOR FUTURE USE							42
43	PRODUCTION PLANT	P10	0	0	0	0	0	43
44	TRANSMISSION PLANT	D2	4,558	3,579	835	66	9,038	44
45	DISTRIBUTION PLANT	P60	9,125	9,465	1,981	49	20,619	45
46	GENERAL PLANT	P90	0	0	0	0	0	46
47	INTANGIBLE PLANT	P90	0	0	0	0	0	47
48	TOTAL PLANT HELD FOR FUTURE USE		13,683	13,044	2,816	114	29,657	48
49								49
50								50
51								51
52								52
53								53
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	CONST WORK-IN-PROGRESS - Direct Assigned		0					1
2	PRODUCTION PLANT - Direct MN	P10	0	0	0	0	0	2
3	PRODUCTION PLANT - Direct ND	P10	0	0	0	0	0	3
4	PRODUCTION PLANT - Direct SD	P10	0	0	0	0	0	4
5	PRODUCTION PLANT - Direct FERC	Direct FERC	0	0	0	0	0	5
6	TRANSMISSION PLANT - Direct MN	D2	0	0	0	0	0	6
7	TRANSMISSION PLANT - Direct ND	D2	0	0	0	0	0	7
8	TRANSMISSION PLANT - Direct SD	D2	0	0	0	0	0	8
9	TRANSMISSION PLANT - Direct FERC	Direct FERC	0	0	0	95,776,331	95,776,331	9
10	DISTRIBUTION PLANT - Direct MN	P60	0	0	0	0	0	10
11	DISTRIBUTION PLANT - Direct ND	P60	0	0	0	0	0	11
12	DISTRIBUTION PLANT - Direct SD	P60	0	0	0	0	0	12
13	DISTRIBUTION PLANT - Direct FERC	Direct FERC	0	0	0	0	0	13
14	GENERAL PLANT - Direct MN	P90	0	0	0	0	0	14
15	GENERAL PLANT - Direct ND	P90	0	0	0	0	0	15
16	GENERAL PLANT - Direct SD	P90	0	0	0	0	0	16
17	GENERAL PLANT - Direct FERC	Direct FERC	0	0	0	0	0	17
18	INTANGIBLE PLANT - Direct MN	P90	0	0	0	0	0	18
19	INTANGIBLE PLANT - Direct ND	P90	0	0	0	0	0	19
20	INTANGIBLE PLANT - Direct SD	P90	0	0	0	0	0	20
21	INTANGIBLE PLANT - Direct FERC	Direct FERC	0	0	0	0	0	21
22	TOTAL CWIP - Direct Assigned		0	0	0	95,776,331	95,776,331	22
23		ALLOWED ONLY IN MN & FERC	0	0	0	95,776,331	95,776,331	23
24			0					24
25	CONST WORK-IN-PROGRESS - SHORT-TERM		0					25
26	PRODUCTION PLANT	P10	0	0	0	0	0	26
27	TRANSMISSION PLANT	D2	346,123	271,748	0	5,006	686,250	27
28	DISTRIBUTION PLANT	P60	0	0	0	0	0	28
29	GENERAL PLANT	P90	0	0	0	0	0	29
30	INTANGIBLE PLANT	P90	0	0	0	0	0	30
31			0					31
32	TOTAL CWIP - SHORT-TERM	ALLOWED ONLY IN MN, ND & FERC	346,123	271,748	0	5,006	686,250	32
33			0					33
34			0					34
35	CONST WORK-IN-PROGRESS - LONG TERM		0					35
36	PRODUCTION PLANT (AFUDC Projects)	P10	7,562,613	0	0	12,504	14,041,071	36
37	PRODUCTION PLANT (Rider Projects)	P10	0	0	0	0	0	37
38	TRANSMISSION PLANT (AFUDC Projects)	D2	2,953,225	0	0	42,711	5,855,294	38
39	TRANSMISSION PLANT (Rider Projects)	D2	0	0	0	0	0	39
40	DISTRIBUTION PLANT	P60	508,542	0	0	2,706	1,149,148	40
41	GENERAL PLANT	P90	793,833	0	0	3,168	1,603,969	41
42	INTANGIBLE PLANT	P90	2,941,021	0	0	11,736	5,942,443	42
43			0					43
44	TOTAL CWIP - LONG TERM - AFUDC Projects	ALLOWED ONLY IN MN & FERC	14,759,234	0	0	72,825	28,591,925	44
45	TOTAL CWIP - LONG TERM - Rider Projects		0	0	0	0	0	45
46			0					46
47			0					47
48	TOTAL CONSTRUCTION WORK-IN-PROGRESS		15,105,357	271,748	0	95,854,162	125,054,506	48
49			0					49
50			0					50
51	MATERIALS & SUPPLIES		0					51
52	PRODUCTION	P10	3,355,751	2,290,815	578,317	5,549	6,230,432	52
53	TRANSMISSION	D2	2,749,009	2,158,299	503,334	39,758	5,450,400	53
54	DISTRIBUTION	P60	3,688,960	3,826,435	800,881	19,628	8,335,905	54
55			0					55
56	TOTAL MATERIALS AND SUPPLIES	154, 158.1	9,793,721	8,275,549	1,882,533	64,934	20,016,737	56
57			0					57
58			0					58
59	FUEL STOCKS		0					59
60	COAL STOCKS	E1	5,124,248	3,323,221	864,322	7,836	9,319,627	60
61	FUEL OIL STOCKS	D1	1,410,722	1,107,584	258,298	3,445	2,780,049	61
62			0					62
63	TOTAL FUEL STOCKS	1510	6,534,970	4,430,805	1,122,620	11,281	12,099,676	63
64			0					64
65			0					65
66	PREPAYMENTS	NEPIS	128, 228.3	(16,631,656)	(13,189,483)	(3,093,468)	(36,579,505)	66
67			0					67
68	CUSTOMER ADVANCES	NEPIS	235, 253	(461,032)	(365,614)	(85,751)	(1,013,988)	68
69			0					69
70	CASH WORKING CAPITAL	OX		6,654,436	3,656,607	2,550,284	12,629,886	70
71		SEPARATELY CALCULATED BY JURISDICTION	0					71
72			0					72
73			0					73
74			0					74
75			0					75
76			0					76
77			0					77

NORTH DAKOTA

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PAGE 6 - a

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1								1
2								2
3	ACCUMULATED DEFERRED INCOME TAXES		0					3
4	ITEMS SD FLOWS THROUGH							4
5	FEDERAL	NPMNR	216,317	171,547	0	47,667	435,531	5
6	MINNESOTA	NPISM	59,055	0	0	13,013	72,069	6
7	NORTH DAKOTA	NPISN	0	35,772	0	0	35,772	7
8								8
9	SUBTOTAL		275,372	207,318	0	60,680	543,371	9
10								10
11	ALL OTHER							11
12	FEDERAL	NEPIS	(84,064,869)	(66,666,370)	(15,635,963)	(18,524,260)	(184,891,462)	12
13	FEDERAL (Direct FERC)	Direct FERC	0	0	0	(23,906,999)	(23,906,999)	13
14	MINNESOTA	NPISM	(27,245,353)	0	0	(6,003,697)	(33,249,051)	14
15	NORTH DAKOTA	NPISN	0	(36,778,353)	0	0	(36,778,353)	15
16								16
17	SUBTOTAL		(111,310,223)	(103,444,723)	(15,635,963)	(48,434,956)	(278,825,865)	17
18								18
19	TOTAL ACCUMULATED DEFERRED INCOME TAXES	190, 255, 281-283	(111,034,850)	(103,237,405)	(15,635,963)	(48,374,276)	(278,282,495)	19
20								20
21	UNAMORTIZED BALANCE - SPIRITWOOD PLA	P10	0	0	0	0	0	21
22								22
23	UNAMORTIZED RATE CASE EXPENSES	R10	0	0	0	0	0	23
24								24
25								25
26								26
27	TOTAL AVERAGE RATE BASE		478,584,524	350,782,707	82,503,816	168,855,308	1,104,549,596	27
28								28
29								29
30								30
31								31
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NORTH DAKOTA

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	0 FERC	TOTAL COMPANY	LINE NO
1	<b>OPERATING REVENUES</b>							1
2	SALES OF ELECTRICITY		208,270,496	148,037,074	33,708,506	0	390,016,076	2
3	OTHER OPERATING REVENUE		12,666,159	10,040,248	2,382,529	33,143,610	58,232,545	3
4								4
5	<b>TOTAL OPERATING REVENUE</b>		<b>220,936,654</b>	<b>158,077,321</b>	<b>36,091,035</b>	<b>33,143,610</b>	<b>448,248,621</b>	5
6								6
7	<b>OPERATING EXPENSES</b>							7
8	PRODUCTION EXPENSES		87,168,561	60,104,535	14,480,256	122,983	161,876,335	8
9	TRANSMISSION EXPENSES		18,389,291	13,507,453	3,150,058	265,041	35,311,843	9
10	DISTRIBUTION EXPENSES		7,582,339	7,680,921	1,621,012	33,052	16,917,384	10
11	CUSTOMER ACCOUNTING EXPENSES		6,543,844	6,091,579	1,214,260	242	13,849,926	11
12	CUSTOMER SERVICE AND INFORMATION EXPENSES		8,996,725	1,382,509	718,505	0	11,097,740	12
13	SALES EXPENSES		242,961	22,472	8,194	0	273,627	13
14	ADMINISTRATIVE AND GENERAL EXPENSES		24,122,975	20,112,229	4,435,439	1,729,631	50,400,273	14
15	CHARITABLE CONTRIBUTIONS		0	0	0	0	0	15
16	DEPRECIATION EXPENSE		26,443,044	20,716,262	4,842,620	2,314,645	54,316,572	16
17	AMORTIZATION OF BIG STONE PLANT CAPITALIZED COST		0	0	0	0	0	17
18	SPIRITWOOD AMORTIZATION		0	0	0	0	0	18
19	GENERAL TAXES		6,181,698	4,902,302	1,149,788	3,141,410	15,375,197	19
20								20
21	<b>TOTAL OPERATING EXPENSES</b>		<b>185,671,499</b>	<b>134,520,262</b>	<b>31,620,132</b>	<b>7,607,004</b>	<b>359,418,897</b>	21
22								22
23	<b>NET OPERATING INCOME BEFORE INCOME TAXES</b>		<b>35,265,156</b>	<b>23,557,059</b>	<b>4,470,903</b>	<b>25,536,606</b>	<b>88,829,724</b>	23
24								24
25	<b>INCOME TAX EXPENSE</b>							25
26	INVESTMENT TAX CREDIT		(2,118,941)	(1,681,974)	(393,448)	(292,973)	(4,487,336)	26
27	DEFERRED INCOME TAXES		1,072,964	1,321,609	(34,143)	240,693	2,599,820	27
28	INCOME TAXES		7,890,937	4,336,226	603,436	8,415,588	21,246,187	28
29								29
30	<b>TOTAL INCOME TAX EXPENSE</b>		<b>6,844,959</b>	<b>3,975,861</b>	<b>175,845</b>	<b>8,363,308</b>	<b>19,358,671</b>	30
31								31
32	<b>NET OPERATING INCOME</b>		<b>28,420,196</b>	<b>19,581,198</b>	<b>4,295,058</b>	<b>17,173,297</b>	<b>69,471,053</b>	32
33								33
34	Allowance for Funds Used During Construction		1,046,640	0	0	5,164	2,027,574	34
35	Allowance for Funds Used During Construction - MN Only		0	0	0	0	0	35
36	Allowance for Funds Used During Construction - SD Only		0	0	0	0	0	36
37	<b>TOTAL ALLOWANCE FOR FUNDS USED DURING CONSTRU</b>		<b>1,046,640</b>	<b>0</b>	<b>0</b>	<b>5,164</b>	<b>2,027,574</b>	37
38								38
39	<b>TOTAL AVAILABLE FOR RETURN</b>		<b>29,466,836</b>	<b>19,581,198</b>	<b>4,295,058</b>	<b>17,178,462</b>	<b>71,498,627</b>	39
40								40
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50								50
51	AVERAGE CENTS PER KWH							51
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60								60
61								61
62								62
63								63

\*\*\* NOTE: TOTAL AVAILABLE FOR RETURN WILL NOT ADD ACROSS BECAUSE AFDC IS NOT ALLOCATED TO ALL JURISDICTIONS.

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LINE NO	ITEM	ALLOC		MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<b>OPERATING REVENUES</b>								1
2									2
3	<b>SALES OF ELECTRICITY</b>	R10	108, 115	208,270,496	148,037,074	33,708,506	0	390,016,076	3
4									4
5									5
6	<b>OTHER OPERATING REVENUES</b>								6
7	SALES FOR RESALE								7
8	MUNICIPALITIES & OFF SYSTEM SALES		DIRECTLY ASSIGNED TO FERC JURISDICTION	0	0	0	198,999	198,999	8
9	NON-ASSOCIATED UTILITIES, CO-OPS & OPA								9
10	BUY SELL TRANSACTIONS	D2		0	0	0	0	0	10
11	ALL OTHER TRANSACTIONS								11
12	BASE DEMAND	E1		0	0	0	0	0	12
13	PEAK DEMAND	D1		0	0	0	0	0	13
14	BASE ENERGY	E2		8,021	5,646	1,348	11	15,026	14
15	PEAK ENERGY	D1		0	0	0	0	0	15
16									16
17	<b>TOTAL ALL OTHER TRANSACTIONS</b>			8,021	5,646	1,348	11	15,026	17
18									18
19	<b>TOTAL SALES FOR RESALE</b>			8,021	5,646	1,348	199,010	214,025	19
20									20
21									21
22	<b>OTHER ELECTRIC REVENUES</b>								22
23	LATE FEES	C1	DIRECTLY ASSIGNED TO JURISDICTION	332,503	277,669	95,499	0	705,671	23
24	CONNECTION FEES	C1	DIRECTLY ASSIGNED TO JURISDICTION	189,927	135,015	28,952	0	353,894	24
25	RENT FROM ELECTRIC PROPERTY	NEPIS		258,257	204,807	48,035	56,909	568,008	25
26	RENT FROM ELECTRIC PROPERTY - BIG	NEPIS		5,377	4,264	1,000	1,185	11,825	26
27	RENT FROM ELECTRIC PROPERTY - COY	NEPIS		4,456	3,534	829	982	9,800	27
28	OTHER MISC ELECTRIC REVENUE	NEPIS		1,171,678	929,181	217,931	258,187	2,576,976	28
29	OTHER MISC ELECTRIC REVENUE - MN	C1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	0	29
30	OTHER MISC ELECTRIC REVENUE - ND	C1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	0	30
31	OTHER MISC ELECTRIC REVENUE - SD	C1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	0	31
32	ITA DEFICIENCY PAYMENTS	NEPIS		806,423	639,521	149,994	177,701	1,773,638	32
33		NEPIS		0	0	0	0	0	33
34	MISCELLANEOUS SERVICES	NEPIS		12,777	10,132	2,376	2,815	28,101	34
35	WHEELING		DIRECTLY ASSIGNED TO FERC JURISDICTION	0	0	0	439,772	439,772	35
36	LOAD CONTROL AND DISPATCH	NEPIS		9,874,066	7,830,478	1,836,564	2,175,817	21,716,925	36
37	LOAD CONTROL AND DISPATCH (Direct F	Direct FERC	DIRECTLY ASSIGNED TO FERC JURISDICTION	0	0	0	29,831,233	29,831,233	37
38	RESIDENTIAL CONSERVATION SERVICES	C1	DIRECTLY ASSIGNED TO JURISDICTION	2,676	0	0	0	2,676	38
39									39
40	<b>TOTAL OTHER ELECTRIC REVENUES</b>			12,658,138	10,034,601	2,381,181	32,944,600	58,018,520	40
41									41
42	<b>TOTAL OTHER OPERATING REVENUES</b>			12,666,159	10,040,248	2,382,529	33,143,610	58,232,545	42
43									43
44									44
45	<b>TOTAL OPERATING REVENUES</b>			220,936,654	158,077,321	36,091,035	33,143,610	448,248,621	45
46									46
47									47
48									48
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<b>OPERATING EXPENSES</b>							1
2	<b>PRODUCTION EXPENSES</b>							2
3	PROD EXPENSES EXCLUDING PURCHASED POWER							3
4	BASE DEMAND	E1	8,925,268	5,788,291	1,505,451	13,648	16,232,658	4
5	PEAK DEMAND	D1	2,181,300	1,712,580	399,389	5,326	4,298,595	5
6	BASE ENERGY	E2	36,997,782	26,045,897	6,217,878	51,215	69,312,771	6
7	PEAK ENERGY	D1	258,086	202,629	47,255	630	508,600	7
8	BASE DEMAND (Direct MN)		1,022,589	0	0	0	1,022,589	8
9	PEAK DEMAND (Direct MN)		230,821	0	0	0	230,821	9
10								10
11	<b>TOTAL EXCLUDING PURCHASED POWER</b>		<b>49,625,826</b>	<b>33,749,396</b>	<b>8,169,972</b>	<b>70,820</b>	<b>91,616,013</b>	11
12								12
13								13
14	<b>PURCHASED POWER</b>							14
15	BUY SELL TRANSACTIONS	D2	0	0	0	0	0	15
16	ALL OTHER TRANSACTIONS							16
17	BASE DEMAND	E1	1,341,527	870,019	226,279	2,051	2,439,877	17
18	PEAK DEMAND	D1	0	0	0	0	0	18
19	BASE ENERGY	E2	36,201,208	25,485,120	6,084,005	50,112	67,820,445	19
20	PEAK ENERGY	D1	0	0	0	0	0	20
21								21
22	<b>TOTAL ALL OTHER TRANSACTIONS</b>		<b>37,542,735</b>	<b>26,355,139</b>	<b>6,310,284</b>	<b>52,163</b>	<b>70,260,322</b>	22
23								23
24	<b>TOTAL PURCHASED POWER</b>		<b>37,542,735</b>	<b>26,355,139</b>	<b>6,310,284</b>	<b>52,163</b>	<b>70,260,322</b>	24
25								25
26	<b>TOTAL PRODUCTION EXPENSES</b>		<b>87,168,561</b>	<b>60,104,535</b>	<b>14,480,256</b>	<b>122,983</b>	<b>161,876,335</b>	26
27								27
28								28
29	<b>TRANSMISSION EXPENSES</b>							29
30	TRANSMISSION EXPENSES (Direct MN)		17,204,342	13,507,453	3,150,058	248,818	34,110,670	30
31	TRANSMISSION EXPENSES (Direct FERC)	Direct FERC	1,184,949	0	0	0	1,184,949	31
32	<b>TOTAL TRANSMISSION EXPENSES</b>		<b>18,389,291</b>	<b>13,507,453</b>	<b>3,150,058</b>	<b>248,818</b>	<b>35,311,843</b>	32
33								33
34								34
35	<b>DISTRIBUTION EXPENSES</b>							35
36	PRIMARY DEMAND	D3	2,284,323	2,406,793	522,850	32,963	5,246,930	36
37	SECONDARY DEMAND	D4	780,600	902,966	196,795	0	1,880,361	37
38	PRIMARY CUSTOMER	C2	1,439,096	1,383,580	267,593	88	3,090,357	38
39	SECONDARY CUSTOMER	C3	1,024,380	985,321	190,474	0	2,200,175	39
40	STREET LIGHTING	C4	753,131	724,560	184,861	0	1,662,551	40
41	AREA LIGHTING	C5	58,773	74,046	10,230	0	143,049	41
42	METERS	C6	1,242,096	1,203,654	248,210	0	2,693,960	42
43	LOAD MANAGEMENT	C9	0	0	0	0	0	43
44								44
45	<b>TOTAL DISTRIBUTION</b>	OXD	<b>7,582,399</b>	<b>7,680,921</b>	<b>1,621,012</b>	<b>33,052</b>	<b>16,917,384</b>	45
46								46
47								47
48	<b>CUSTOMER ACCOUNTING EXPENSES</b>							48
49	METER READING	C7	2,588,034	2,289,472	478,944	0	5,356,450	49
50	OTHER	C8	3,955,811	3,802,108	735,315	242	8,493,476	50
51								51
52	<b>TOTAL CUSTOMER ACCOUNTS</b>	OXC	<b>6,543,844</b>	<b>6,091,579</b>	<b>1,214,260</b>	<b>242</b>	<b>13,849,926</b>	52
53								53
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LINE NO	ITEM	ALLOC		MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	CUSTOMER SERVICE & INFORMATION EXPENSE								1
2	CONSERVATION & PROMOTIONAL REBATE	C1	DIRECTLY ASSIGNED TO JURISDICTION	7,551,238	0	449,000	0	8,000,238	2
3	OTHER	C1		1,445,487	1,382,509	269,505	0	3,097,502	3
4									4
5	TOTAL CUSTOMER SERV & INFORMATION	OXI		8,996,725	1,382,509	718,505	0	11,097,740	5
6									6
7									7
8	SALES EXPENSES								8
9	OFF-PEAK DEVELOPMENT	C1	DIRECTLY ASSIGNED TO JURISDICTION	219,466	0	3,813	0	223,279	9
10	OTHER	C1		23,495	22,472	4,381	0	50,347	10
11									11
12	TOTAL SALES EXPENSES			242,961	22,472	8,194	0	273,627	12
13									13
14									14
15	ADMINISTRATIVE & GENERAL EXPENSES								15
16	SALARIES, SUPPLIES, PENSIONS & BENEFITS								16
17	PRODUCTION	OXPD		7,857,217	5,283,691	1,345,159	13,272	14,499,338	17
18	TRANSMISSION	D2		2,829,059	2,221,148	517,991	40,915	5,609,114	18
19	DISTRIBUTION	OXD		4,070,714	4,123,607	870,262	17,744	9,082,327	19
20	CUSTOMER ACCOUNTS	OXC		3,412,770	3,176,903	633,265	126	7,223,065	20
21	CUSTOMER SERVICE & INFO	C1		745,090	712,628	138,919	0	1,596,637	21
22									22
23	TOTAL SALARIES, SUPPLIES, PENSIONS, AND BENEFITS			18,914,850	15,517,977	3,505,597	72,057	38,010,481	23
24									24
25	LOAD MANAGEMENT EXPENSES	C9		0	0	0	0	0	25
26									26
27	OUTSIDE SERVICES	NEPIS		604,552	479,431	112,446	133,217	1,329,645	27
28									28
29	PROPERTY INSURANCE	NEPIS		1,012,505	802,952	188,325	223,112	2,226,894	29
30									30
31	INJURIES & DAMAGES	NEPIS		993,384	787,788	184,768	218,899	2,184,840	31
32									32
33	REGULATORY COMMISSION EXPENSE	R10	DIRECTLY ASSIGNED TO JURISDICTION	716,778	961,755	93,452	1,074,876	2,846,861	33
34									34
35	GENERAL ADVERTISING	C1		9,095	8,698	1,696	0	19,489	35
36									36
37	MISCELLANEOUS, RENTS, MAINTENANCE	P90		1,871,811	1,553,628	349,155	7,469	3,782,064	37
38									38
39	TOTAL ADMINISTRATIVE & GENERAL EXPENSES			24,122,975	20,112,229	4,435,439	1,729,631	50,400,273	39
40									40
41	CHARITABLE CONTRIBUTIONS	C1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	0	41
42									42
43									43
44									44
45	TOTAL O & M EXPENSES			153,046,757	108,901,698	25,627,724	2,150,949	289,727,128	45
46									46
47									47
48									48
49									49
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57									57
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60									60

NORTH DAKOTA

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	DEPRECIATION EXPENSE							1
2	PRODUCTION							2
3	BASE DEMAND	E1	7,957,979	5,160,977	1,342,295	12,169	14,473,420	3
4	PEAK DEMAND	D1	2,942,598	2,310,289	538,780	7,186	5,798,852	4
5	BASE ENERGY	E2	4,573,144	3,219,426	768,566	6,330	8,567,467	5
6								6
7	TOTAL PRODUCTION		16,473,721	10,690,692	2,649,642	25,685	28,839,739	7
8								8
9								9
10	TRANSMISSION	D2	3,456,164	2,713,500	632,812	49,985	6,852,461	10
11	TRANSMISSION (Direct FERC)	Direct FERC	0	0	0	2,202,087	2,202,087	11
12	TOTAL TRANSMISSION		3,456,164	2,713,500	632,812	2,252,072	9,054,548	12
13								13
14								14
15	DISTRIBUTION	P60	5,191,951	5,385,437	1,127,183	27,626	11,732,197	15
16								16
17								17
18	GENERAL	P90	1,131,316	939,007	211,028	4,515	2,285,866	18
19								19
20								20
21	INTANGIBLE	P90	1,189,892	987,626	221,955	4,748	2,404,221	21
22								22
23								23
24	TOTAL DEPRECIATION EXPENSE		26,443,044	20,716,262	4,842,620	2,314,645	54,316,572	24
25								25
26								26
27								27
28								28
29								29
30								30
31	BIG STONE EXPENSE OFFSETS	P10	0	0	0	0	0	31
32		DIRECTLY ASSIGNED TO JURISDICTION						32
33								33
34	SPIRITWOOD AMORTIZATION	P10	0	0	0	0	0	34
35		DIRECTLY ASSIGNED TO JURISDICTION						35
36								36
37								37
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	GENERAL TAXES	NEPIS	6,181,698	4,902,302	1,149,788	1,362,179	13,595,966	1
2	GENERAL TAXES (Direct FERC)	Direct FERC	0	0	0	1,779,231	1,779,231	2
3	<b>TOTAL GENERAL TAXES</b>		<b>6,181,698</b>	<b>4,902,302</b>	<b>1,149,788</b>	<b>3,141,410</b>	<b>15,375,197</b>	3
4								4
5	NET OPERATING INCOME BEFORE TAX (NOBT)		35,265,156	23,557,059	4,470,903	25,536,606	88,829,724	5
6								6
7	INVESTMENT TAX CREDIT							7
8	AMORTIZE PRIOR YEARS CREDIT	EPIS	(2,118,941)	(1,681,974)	(393,448)	(292,973)	(4,487,336)	8
9	DEBITS UTILIZED	EPIS	0	0	0	0	0	9
10								10
11	<b>TOTAL INVESTMENT TAX CREDIT</b>		<b>(2,118,941)</b>	<b>(1,681,974)</b>	<b>(393,448)</b>	<b>(292,973)</b>	<b>(4,487,336)</b>	11
12								12
13	DEFERRED INCOME TAXES							13
14	ITEMS SOUTH DAKOTA FLOWS THROUGH							14
15	FEDERAL	NPMNR	0	0	0	0	0	15
16	MINNESOTA	NPISM	0	0	0	0	0	16
17	NORTH DAKOTA	NPISN	0	0	0	0	0	17
18								18
19	<b>SUBTOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	19
20								20
21	ALL OTHER							21
22								22
23	FEDERAL- transfer from Current Income Taxes - NOL		0	0	0	0	0	23
24	FEDERAL (NEPIS)	NEPIS	(183,568)	(145,575)	(34,143)	(40,450)	(403,737)	24
25	FEDERAL		(183,568)	(145,575)	(34,143)	(40,450)	(403,737)	25
26								26
27	MINNESOTA- transfer from Current Income Taxes - NOL		0	0	0	0	0	27
28	MINNESOTA (NPISM)	NPISM	1,256,531	0	0	276,885	1,533,416	28
29	MINNESOTA		1,256,531	0	0	276,885	1,533,416	29
30								30
31	NORTH DAKOTA- transfer from Current Income Taxes - NOL		0	573,151	0	4,258	577,409	31
32	NORTH DAKOTA (NPISN)	NPISN	0	894,033	0	0	894,033	32
33	NORTH DAKOTA		0	1,467,184	0	4,258	1,470,140	33
34								34
35	<b>SUBTOTAL</b>		<b>1,072,964</b>	<b>1,321,609</b>	<b>(34,143)</b>	<b>240,693</b>	<b>2,599,820</b>	35
36								36
37	<b>TOTAL DEFERRED INCOME TAXES</b>		<b>1,072,964</b>	<b>1,321,609</b>	<b>(34,143)</b>	<b>240,693</b>	<b>2,599,820</b>	37
38								38
39								39
40	CURRENT INCOME TAXES							40
41	FEDERAL- transfer to Deferred Income Taxes - NOL		0	0	0	0	0	41
42	FEDERAL CURRENT INCOME TAX		7,046,529	4,336,226	603,436	6,647,527	18,633,717	42
43	FEDERAL INCOME TAXES		7,046,529	4,336,226	603,436	6,647,527	18,633,717	43
44								44
45	MINNESOTA- transfer to Deferred Income Taxes - NOL		0	0	0	0	0	45
46	MINNESOTA CURRENT INCOME TAX		844,408	0	0	1,768,061	2,612,469	46
47	MINNESOTA INCOME TAXES		844,408	0	0	1,768,061	2,612,469	47
48								48
49	NORTH DAKOTA - transfer to Deferred Income Taxes - NOL		0	(573,151)	0	(4,258)	(577,409)	49
50	NORTH DAKOTA CURRENT INCOME TAX		0	573,151	0	4,258	577,410	50
51	NORTH DAKOTA INCOME TAXES		0	0	0	(0)	0	51
52								52
53	<b>TOTAL CURRENT INCOME TAXES</b>		<b>7,890,937</b>	<b>4,336,226</b>	<b>603,436</b>	<b>8,415,588</b>	<b>21,246,187</b>	53
54								54
55	<b>TOTAL INCOME TAXES</b>		<b>6,844,959</b>	<b>3,975,861</b>	<b>175,845</b>	<b>8,363,308</b>	<b>19,358,671</b>	55
56								56
57	<b>NET OPERATING INCOME</b>		<b>28,420,196</b>	<b>19,581,198</b>	<b>4,295,058</b>	<b>17,173,297</b>	<b>69,471,053</b>	57
58								58
59								59
60	AFDC	CW/PLT	1,046,640	0	0	5,164	2,027,574	60
61	AFDC - MN Only	CW/PLT	0	0	0	0	0	61
62	AFDC - SD Only	CW/PLT	0	0	0	0	0	62
63	<b>Total AFDC</b>	CW/PLT	<b>1,046,640</b>	<b>0</b>	<b>0</b>	<b>5,164</b>	<b>2,027,574</b>	63
64								64
65	<b>TOTAL AVAILABLE FOR RETURN</b>		<b>29,466,836</b>	<b>19,581,198</b>	<b>4,295,058</b>	<b>17,178,462</b>	<b>71,498,627</b>	65
66								66
67								67
68	RATE OF RETURN ON RATE BASE		6.16%	5.58%	4.64%	10.17%	6.47%	68
69								69
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ALLOWED ONLY IN MN & FERC

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	DEVELOPMENT OF FEDERAL INCOME TAX EXPENSE							1
2								2
3	NET OPERATING INCOME BEFORE TAX (NOBT)		35,265,156	23,557,059	4,470,903	25,536,606	88,829,724	3
4	LESS: INTEREST COST		12,251,764	8,980,037	2,368,098	4,322,696	27,922,595	4
5								5
6	NET INCOME BEFORE TAX		23,013,392	14,577,022	2,102,805	21,213,910	60,907,129	6
7								7
8	FEDERAL SCHEDULE M ADJUSTMENTS:							8
9	ADDITIONAL TAX DEPRECIATION	NEPIS	4,744,587	3,762,623	882,487	1,045,502	10,435,199	9
10	COST TO REMOVE	NEPIS	227,336	180,285	42,284	50,095	500,000	10
11	DIRECTLY ASSIGNED SCHEDULE M ITEMS	NEPIS	0	0	0	0	0	11
12	ACCRUED VACATION PAY	NEPIS	0	0	0	0	0	12
13	CHARGES - OPERATING RESERVES	NEPIS	3,725,557	2,954,496	692,949	820,952	8,193,954	13
14	PROVISIONS - OPERATING RESERVES	NEPIS	(1,232,521)	(977,432)	(229,247)	(271,594)	(2,710,794)	14
15	UNBILLED REVENUES	NEPIS	0	0	0	0	0	15
16	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	0	0	16
17	OTHER SCHEDULE M ITEMS	NEPIS	(5,428,914)	(4,305,318)	(1,009,771)	(1,196,298)	(11,940,302)	17
18								18
19	SUBTOTAL FEDERAL SCHEDULE M ADJUSTMENTS		2,036,045	1,614,654	378,702	448,656	4,478,057	19
20								20
21	FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES		20,977,347	12,962,368	1,724,103	20,765,254	56,429,072	21
22								22
23	LESS:							23
24	MINNESOTA STATE INCOME TAXES		844,408	0	0	1,768,061	2,612,469	24
25	NORTH DAKOTA STATE INCOME TAXES		0	573,151	0	4,258	577,410	25
26								26
27	FEDERAL TAXABLE INCOME		20,132,939	12,389,217	1,724,103	18,992,934	53,239,193	27
28	FEDERAL TAX RATE		35.00%	35.00%	35.00%	35.00%	35.00%	28
29								29
30	FEDERAL INCOME TAX BEFORE CREDITS		7,046,529	4,336,226	603,436	6,647,527	18,633,717	30
31	INVESTMENT TAX CREDIT - DEBITS UTILIZED	EPIS	0	0	0	0	0	31
32	FEDERAL INCOME TAXES before transfer to Deferred due to NC		7,046,529	4,336,226	603,436	6,647,527	18,633,717	32
33	Less Current Federal Income Taxes Transferred to Deferred		0	0	0	0	0	33
34	FEDERAL INCOME TAXES		7,046,529	4,336,226	603,436	6,647,527	18,633,717	34
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	DEVELOPMENT OF MINNESOTA STATE INCOME TAX EXPE							1
2								2
3	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		20,977,347	0	0	20,765,254	41,742,601	3
4								4
5	<b>MINNESOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</b>							5
6	PAYSOP ADJUSTMENT	NEPIS	0	0	0	0	0	6
7	CHANGE IN EXCESS TAX DEPRECIATION - F	NEPIS	(12,753,312)	0	0	(2,810,278)	(28,049,512)	7
8	CHANGE IN ACRS - ORDINARY LOSS	NEPIS	0	0	0	0	0	8
9	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	0	0	9
10	MISCELLANEOUS ADJUSTMENTS TO FED S	NEPIS	392,377	0	0	86,463	862,991	10
11								11
12	<b>TOTAL MINNESOTA ADJUSTMENTS TO FED SCHEDULE M</b>		(12,360,935)	0	0	(2,723,815)	(27,186,521)	12
13								13
14	MINNESOTA TAXABLE INCOME		8,616,412	0	0	18,041,438	26,657,851	14
15	MINNESOTA TAX RATE		9.80%	0.00%	0.00%	9.80%	9.80%	15
16								16
17	MINNESOTA INCOME TAX prior to transfer to Deferred Income T		844,408	0	0	1,768,061	2,612,469	17
18	Minnesota Current Income Tax transfer to Deferred Income Tax d		0	0	0	-	0	18
19	<b>MINNESOTA INCOME TAX</b>		844,408	0	0	1,768,061	2,612,469	19
20								20
21								21
22								22
23								23
24								24
25								25
26								26
27	DEVELOPMENT OF NORTH DAKOTA STATE INCOME TAX E							27
28								28
29	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		0	12,962,368	0	0	12,962,368	29
30								30
31	<b>NORTH DAKOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</b>							31
32	CHANGE IN EXCESS TAX DEPRECIATION - F	NEPIS	0	(1,748)	0	(486)	(4,848)	32
33	CHANGE IN ACRS - ORDINARY LOSS - ND	NEPIS	0	0	0	0	0	33
34	CHANGE IN INCOME FROM ADR PROPERTY	NEPIS	0	0	0	0	0	34
35	MISCELLANEOUS ADJUSTMENTS TO FED S	NEPIS	0	357,325	0	99,288	991,000	35
36								36
37	<b>TOTAL NORTH DAKOTA ADJUSTMENTS TO FED SCHEDULE M</b>		0	355,577	0	98,803	986,152	37
38								38
39	<b>SUBTOTAL</b>		0	13,317,945	0	98,803	N/A	39
40	DEDUCTION OF FEDERAL INCOME TAXES		0	0	0	0	0	40
41								41
42	<b>NORTH DAKOTA TAXABLE INCOME</b>		0	13,267,945	0	98,803	13,366,748	42
43	NORTH DAKOTA TAX RATE		0.00%	4.31%	0.00%	4.31%	4.31%	43
44								44
45	NORTH DAKOTA INCOME TAX prior to transfer to Deferred Inco		0	573,151	0	4,258	577,410	45
46	North Dakota Current Income Tax transfer to Deferred Income Tax		0	(573,151)	0	(4,258)	(577,409)	46
47	<b>NORTH DAKOTA INCOME TAX</b>		0	0	0	(0)	0	47
48								48
49								49
50								50
51								51
52								52
53								53
54	FERC STATE INCOME TAX FACTOR:							54
55	MUNICIPAL REVENUE			198,999	0	0	198,999	55
56	WHEELING REVENUE			439,772	0	0	439,772	56
57	<b>TOTAL</b>			638,770	0	0	638,770	57
58								58
59	PERCENTAGE OF TOTAL			100.00%	0.00%	0.00%	100.00%	59
60	FEDERAL ADJ INCOME BEFORE TAXES - FERC		20,765,254	20,765,254	20,765,254	20,765,254	20,765,254	60
61								61
62	FERC FED ADJ INCOME - STATE TAX CALC		20,765,254	0	0	20,765,254	20,765,254	62
63								63
64								64

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ALLOCATION

LINE NO	ITEM	FACTOR	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	MWH CONSUMPTION AT GENERATORS - PA	E1	2,593,582	1,682,012	437,467	3,966	4,717,027	1
2	PERCENTAGE		54.98340%	35.65831%	9.27421%	0.08408%	100.00000%	2
3								3
4	MWH CONSUMPTION AT GENERATORS - TO	E2	2,813,773	1,980,855	472,885	3,895	5,271,408	4
5	PERCENTAGE		53.37802%	37.57734%	8.97075%	0.07389%	100.00000%	5
6								6
7	GENERATION DEMAND FACTOR	D1	375,938	295,156	68,833	918	740,845	7
8	PERCENTAGE		50.74449%	39.84045%	9.29115%	0.12391%	100.00000%	8
9								9
10	TRANSMISSION DEMAND FACTOR	D2	375,938	295,156	68,833	5,437	745,364	10
11	PERCENTAGE		50.43683%	39.59891%	9.23482%	0.72944%	100.00000%	11
12								12
13	DISTRIBUTION - PRIMARY DEMAND FACTOR	D3	382,946	403,477	87,651	5,526	879,600	13
14	PERCENTAGE		43.53638%	45.87051%	9.96487%	0.62824%	100.00000%	14
15								15
16	DISTRIBUTION - SECONDARY DEMAND FACTOR	D4	484,988	561,014	122,269	0	1,168,271	16
17	PERCENTAGE		41.51331%	48.02088%	10.46581%	0.00000%	100.00000%	17
18								18
19	CUSTOMER OR METER FACTORS							19
20	TOTAL RETAIL CUSTOMERS	C1	62,270	59,557	11,610	0	133,437	20
21	PERCENTAGE		46.66622%	44.63305%	8.70074%	0.00000%	100.00000%	21
22								22
23	RETAIL SERVICE LOCATIONS	C2	65,272	62,754	12,137	4	140,167	23
24	PERCENTAGE		46.56731%	44.77088%	8.65896%	0.00285%	100.00000%	24
25								25
26	SECONDARY SERVICE LOCATIONS	C3	65,225	62,738	12,128	0	140,091	26
27	PERCENTAGE		46.55902%	44.78375%	8.65723%	0.00000%	100.00000%	27
28								28
29	STREET LIGHTING FACTOR	C4	2,475,177	2,381,279	607,548	0	5,464,004	29
30	PERCENTAGE		45.29969%	43.58121%	11.11910%	0.00000%	100.00000%	30
31								31
32	AREA LIGHTING FACTOR	C5	1,966,717	2,477,820	342,328	0	4,786,865	32
33	PERCENTAGE		41.08570%	51.76290%	7.15140%	0.00000%	100.00000%	33
34								34
35	METER FACTOR	C6	24,253,657	23,503,024	4,846,644	0	52,803,325	35
36	PERCENTAGE		46.10670%	44.67973%	9.21357%	0.00000%	100.00000%	36
37								37
38	METER READING FACTOR	C7	88,079	77,918	16,300	0	182,297	38
39	PERCENTAGE		48.31621%	42.74234%	8.94145%	0.00000%	100.00000%	39
40								40
41	SYSTEM SERVICE LOCATIONS	C8	65,294	62,757	12,137	4	140,192	41
42	PERCENTAGE		46.57470%	44.76504%	8.65741%	0.00285%	100.00000%	42
43								43
44	LOAD MANAGEMENT FACTOR	C9	20,051	18,627	4,093	0	42,771	44
45	PERCENTAGE		46.87990%	43.55054%	9.56957%	0.00000%	100.00000%	45
46								46
47								47
48								48
49								49
50								50
51								51
52								52
53								53
54								54
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58								58
59								59
60								60

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Base Year

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LINE NO	ITEM	ALLOCATION FACTOR	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	GROSS PLANT IN SERVICE							1
7	PRODUCTION PLANT	P10	484,168,239	330,519,064	83,439,673	800,539	898,927,514	2
8	PERCENTAGE		53.860654%	36.76816%	9.28214%	0.089055%	100.000000%	3
9								4
10	DISTRIBUTION PLANT	P60	220,381,104	228,593,947	47,845,201	1,172,619	497,992,871	5
11	PERCENTAGE		44.253867%	45.90306%	9.60761%	0.235469%	100.000000%	6
12								7
13	GENERAL PLANT	P90	43,859,510	36,403,979	8,181,268	175,022	88,619,779	8
14	PERCENTAGE		49.491784%	41.07884%	9.23188%	0.197498%	100.000000%	9
15								10
16								11
17	ELECTRIC PLANT IN SERVICE	EPIS	951,299,290	755,122,657	176,638,636	131,530,200	2,014,590,782	12
18	PERCENTAGE		47.220473%	37.48268%	8.76797%	6.528879%	100.000000%	13
19								14
20	NET ELECTRIC PLANT IN SERVICE	NEPIS	568,609,896	450,927,457	105,760,746	125,297,022	1,250,595,122	15
21	PERCENTAGE		45.467145%	36.05703%	8.45683%	10.018992%	100.000000%	16
22								17
23	OPERATION AND MAINTENANCE EXPENSE							18
24	PRODUCTION EXPENSE (EXCL ENERGY)	OXPD	12,448,095	8,370,890	2,131,119	21,026	22,971,130	19
25	PERCENTAGE		54.190174%	36.44091%	9.27738%	0.091533%	100.000000%	20
26								21
27								22
28	DISTRIBUTION EXPENSE	OXD	7,582,399	7,680,921	1,621,012	33,052	16,917,384	23
29	PERCENTAGE		44.820164%	45.40253%	9.58193%	0.195370%	100.000000%	24
30								25
31	CUSTOMER ACCOUNTS EXPENSE	OXC	6,543,844	6,091,579	1,214,260	242	13,849,926	26
32	PERCENTAGE		47.248226%	43.98276%	8.76726%	0.001750%	100.000000%	27
33								28
34	CUSTOMER SERVICE & INFORMATION EXP	OXI	1,445,487	1,382,509	269,505	0	3,097,502	29
35	PERCENTAGE		46.666217%	44.63305%	8.70074%	0.000000%	100.000000%	30
36								31
37	OTHER DEFERRED INCOME TAX FACTOR							32
38	MINNESOTA	NPISM	568,609,896	0	0	125,297,022	693,906,919	33
39	PERCENTAGE		81.943252%	0.000000%	0.000000%	18.056748%	100.000000%	34
40								35
41	NORTH DAKOTA	NPISN	0	450,927,457	0	0	450,927,457	36
42	PERCENTAGE		0.000000%	100.000000%	0.000000%	0.000000%	100.000000%	37
43								38
44	EXCLUDING SOUTH DAKOTA	NPMNR	568,609,896	450,927,457	0	125,297,022	1,144,834,375	39
45	PERCENTAGE		49.667437%	39.38801%	0.000000%	10.944555%	100.000000%	40
46								41
47	LONG-TERM CWIP RATIO (W/AFDC)	CWIPLT	14,759,234	0	0	72,825	28,591,925	42
48	PERCENTAGE		51.620288%	0.000000%	0.000000%	0.254705%	100.000000%	43
49								44
50	REVENUE	R10	208,270,496	148,037,074	33,708,506	0	390,016,076	45
51	PERCENTAGE		53.400490%	37.95666%	8.64285%	0.000000%	100.000000%	46
52								47
53	LABOR AND RELATED EXPENSE	LRE	76,898,381	57,145,581	13,270,393	2,032,769	149,347,123	48
54	PERCENTAGE		51.488697%	38.26360%	8.88560%	1.361103%	100.000000%	49
55								50
56	TOTAL O & M EXPENSE	OX						51
57	PERCENTAGE							52
58								53
59								54
60								55
61								56
62								57
63								58
64								59
65								60
66								60

NORTH DAKOTA

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Base Year

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LINE NO	ITEM	AMOUNT	A PERCENT OF TOTAL	COST OF CAPITAL	RATE OF RETURN	LINE NO
1	CAPITAL STRUCTURE - RATE OF RETURN					1
2						2
3						3
4						4
5	LONG-TERM DEBT	508,651,995	47.50%	5.39%	2.56%	5
6	PREFERRED STOCK	0	0.00%	0.00%	0.00%	6
7	COMMON EQUITY	562,251,832	52.50%	6.85%	3.60%	7
8						8
9						9
10						10
11	TOTAL	1,070,903,826	100.00%		6.16%	11
12						12
13						13
14						14
15						15
16		508,651,995	47.50%	5.39%	2.56%	16
17		0	0.00%	0.00%	0.00%	17
18		562,251,832	52.50%	5.75%	3.02%	18
19						19
20						20
21		1,070,903,826	100.00%		5.58%	21
22						22
23						23
24						24
25						25
26						26
27						27
28		508,651,995	47.50%	5.39%	2.56%	28
29		0	0.00%	0.00%	0.00%	29
30		562,251,832	52.50%	3.97%	2.08%	30
31						31
32		1,070,903,826	100.00%		4.64%	32
33						33
34						34
35						35
36						36
37						37
38						38
39						39
40		508,651,995	47.50%	5.39%	2.56%	40
41		0	0.00%	0.00%	0.00%	41
42		562,251,832	52.50%	14.50%	7.61%	42
43						43
44		1,070,903,826	100.00%		10.17%	44
45						45
46						46
47						47
48						48
49						49
50						50
51						51
52		508,651,995	47.50%	5.39%	2.56%	52
53		0	0.00%	0.00%	0.00%	53
54		562,251,832	52.50%	7.45%	3.91%	54
55						55
56		1,070,903,826	100.00%		6.47%	56
57						57
58						58
59						59
60						60

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Base Year

LINE NO	ITEM	ALLOCATION	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	CASH WORKING CAPITAL CALCULATION - REVENUE LEAD							1
2								2
3	REVENUES							3
4	COMPUTER MAINTAINED BILLINGS		189,409,012	139,631,523	20,899,817	0	349,940,352	4
5	MANUALLY MAINTAINED BILLINGS		18,017,026	13,282,075	1,988,039	0	33,287,140	5
6	COST OF ENERGY REVENUES	R10	1,366,888	(4,463,840)	10,945,102	23,428	7,871,578	6
7	SALES FOR RESALE		8,021	5,646	1,348	175,582	190,597	7
8	RENT FROM ELECTRIC PROPERTY		258,257	204,807	48,035	56,909	568,008	8
9	MISCELLANEOUS		1,171,678	929,181	217,931	258,187	2,576,976	9
10	ITA DEFICIENCY PAYMENTS		806,423	639,521	149,994	177,701	1,773,638	10
11	WHEELING		0	0	0	439,772	439,772	11
12	LOAD CONTROL AND DISPATCH		9,874,066	7,830,478	1,836,564	32,007,050	51,548,158	12
13	RENT FROM ELECTRIC PROPERTY - BIG STONE		5,377	4,263.88	1,000	1,185	11,825	13
14	RENT FROM ELECTRIC PROPERTY - COYOTE		4,456	3,534	829	982	9,800	14
15	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	0	0	15
16	MISCELLANEOUS SERVICES		12,777	10,132	2,376	2,815	28,101	16
17	RESIDENTIAL CONSERVATION SERVICES		2,676	0	0	0	2,676	17
18								18
19	TOTAL REVENUES		220,936,654	158,077,321	36,091,035	33,143,610	448,248,621	19
20								20
21	REVENUE LEAD DAYS FROM SERVICE TO COLLECTION							21
22								22
23	COMPUTER MAINTAINED BILLINGS		43.4	43.4	43.4	43.4	N/A	23
24	MANUALLY MAINTAINED BILLINGS		41.3	41.3	41.3	41.3	N/A	24
25	COST OF ENERGY REVENUES		98.4	127.7	113.6	81.1	N/A	25
26	SALES FOR RESALE		23.1	23.1	23.1	23.1	N/A	26
27	RENT FROM ELECTRIC PROPERTY		(92.4)	(92.4)	(92.4)	(92.4)	N/A	27
28	MISCELLANEOUS		34.9	34.9	34.9	34.9	N/A	28
29	ITA DEFICIENCY PAYMENTS		48.4	48.4	48.4	48.4	N/A	29
30	WHEELING		35.8	35.8	35.8	35.8	N/A	30
31	LOAD CONTROL AND DISPATCH		27.9	27.9	27.9	27.9	N/A	31
32	RENT FROM ELECTRIC PROPERTY - BIG STONE		42.7	39.9	63.6	28.0	N/A	32
33	RENT FROM ELECTRIC PROPERTY - COYOTE		42.7	39.9	63.6	28.0	N/A	33
34	PROFIT ON MATERIALS AND SUPPLIES		42.7	39.9	63.6	28.0	N/A	34
35	MISCELLANEOUS SERVICES		42.7	39.9	63.6	28.0	N/A	35
36	RESIDENTIAL CONSERVATION SERVICES		42.7	39.9	63.6	28.0	N/A	36
37								37
38								38
39	REVENUE DOLLAR DAYS (REVENUES X REVENUE LEAD I							39
40	COMPUTER MAINTAINED BILLINGS		8,220,351,128	6,060,008,093	907,652,047	0	15,197,411,269	40
41	MANUALLY MAINTAINED BILLINGS		744,103,159	548,549,703	82,106,018	0	1,374,758,879	41
42	COST OF ENERGY REVENUES		134,501,779	(570,108,920)	1,243,207,500	1,900,011	809,500,370	42
43	SALES FOR RESALE		184,955	130,206	31,084	4,048,916	4,395,161	43
44	RENT FROM ELECTRIC PROPERTY		(23,865,525)	(18,926,193)	(4,438,959)	(5,258,929)	(52,489,606)	44
45	MISCELLANEOUS		40,914,981	32,447,005	7,610,136	9,015,892	89,988,014	45
46	ITA DEFICIENCY PAYMENTS		39,030,861	30,952,833	7,259,693	8,600,713	85,844,099	46
47	WHEELING		0	0	0	15,726,231	15,726,231	47
48	LOAD CONTROL AND DISPATCH		275,486,432	218,470,338	51,240,140	892,996,693	1,438,193,603	48
49	RENT FROM ELECTRIC PROPERTY - BIG STONE		229,584	170,129	63,603	33,174	496,490	49
50	RENT FROM ELECTRIC PROPERTY - COYOTE		190,262	140,990	52,710	27,492	411,454	50
51	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	0	0	51
52	MISCELLANEOUS SERVICES		545,560	404,277	151,141	78,831	1,179,809	52
53	RESIDENTIAL CONSERVATION SERVICES		114,265	0	0	0	114,265	53
54								54
55	TOTAL DOLLAR DAYS		9,431,787,440	6,302,238,461	2,294,335,113	927,169,024	18,955,530,038	55
56								56
57								57
58	AVG REVENUE LEAD DAYS (TOTAL REV DOLLAR DAYS / T		42.7	39.9	63.6	28.0	42.3	58
59								59
60								60

Volume 4A

B. 2018 Base Year Workpapers

2. Functionalization

Otter Tail Power Company  
Functionalization  
2018 Base Year

Line No.	Description	Accounts 101	Simple Average 2018	Accounts 106	Simple Average 2018	Accounts 114	Simple Average 2018	Line No.
1	<b>Production:</b>		(1)		(1)			1
2	Steam	310 - 317	578,272,635	310 - 316	0	310 - 317	1,588,255	2
3	Wind	341 - 347	268,943,960	344 - 347	0	344 - 347	0	3
4	Hydro	330 - 335	7,595,374	330 - 335	0	330 - 335	0	4
5	Other IC	340 - 347	42,627,292	340 - 347	0	340 - 347	0	5
6								6
7	<b>Transmission</b>	350 - 358	514,924,905	350 - 358	0	350 - 358	58,287	7
8								8
9	<b>Distribution:</b>							9
10	Land	360	1,306,580	360	0	360	0	10
11	Station Equipment	362	99,087,212	362	0	362	586	11
12	Poles, Towers & Fixtures	364	72,181,451	364	0			12
13	Overhead Conductors & Devices	365	50,991,494	365	0			13
14	Underground Conduit	366	0	366	0			14
15	Underground Conductors & Devices	367	78,065,821	367	0			15
16	Line Transformers	368	96,183,040	368	0			16
17	Services	369	13,064,358	369	0			17
18	Underground Services	369.1	41,341,965	369.1	0			18
19	Meters	370	26,594,087	370	0			19
20	Load Management Switches	370.1	8,713,737	370.1	0			20
20A	Interruption Monitors	370.2	0	370.2	0			21
21	Installation on Customers' Premises	371.0	0	371.0	0			22
22	All Other Private Lighting	371.2	4,882,393	371.2	0			23
23	Streetlighting & Signal Systems	373	5,580,148	373	0			24
24			<b>497,992,285</b>		<b>0</b>			25
26	<b>General:</b>							26
27	Land	389	1,521,896	389	0			27
28	Structures & Improvements	390	21,874,506	390	0			28
29	General Office Buildings	390.1	5,721,066	390.1	0			29
30	Fleet Service Center Building	390.2	937,678	390.2	0			30
31	Central Stores Buildings	390.3	4,036,998	390.3	0			31
32	Office Furniture	391	1,074,136	391	0			32
33	Office Equipment	391.1	721,258	391.1	0			33
34	Duplicating Equipment	391.2	273,046	391.2	0			34
35	Engineering Computers	391.3	0	391.3	0			35
36	Business Computers	391.4	0	391.4	0			36
37	Computer Systems	391.5	3,142,876	391.5	0			37
38	Computer Related Equipment	391.6	866,978	391.6	0			38
39	Transportation Equipment	392 & 392.1	33,924,997	392	0			39
40	Stores Equipment	393	0	393	0			40
41	Tools, Shop & Garage Equipment	394	4,271,441	394	0			41
42	Central Stores Tools	394.1	0				<b>2018</b>	42
43	AMR Equipment	394.2	617,570	394.2	0			43
44	Laboratory Equipment	395	0	395	0	101 (Above)	1,998,876,228.72	44
45	Power-Operated Equipment	396	631,320	396	0	101.7 Intangible (1)	14,067,425.89	45
46	Communication Equipment & Communications Towers	397 & 397.4	3,112,647	397	0	Agrees to FERC T/B; GL 865A Report	2,012,943,654.61	46
47	Radio Tele-Communication Equipment	397.1	1,164,377	397.1	0		0.00	47
48	Microwave Equipment	397.2	4,409,130	397.2	0	114 (Above); Agrees to FERC T/B	1,647,127.80	48
49	Radio Load Control Equipment	397.3	317,859	397.3	0	PHFU (1)	29,657.00	49
50	Miscellaneous Equipment	398	0	398	0	Total Plant in Service (FIS)	2,014,620,439.41	50
			<b>88,619,779</b>		<b>0</b>	(1) Actual Year Work Paper A-1	2,014,620,439.41	

Otter Tail Power Company Functionalization 2018 Base Year			
Line #	Description	Accounts	Operating Statement Amounts
			2018 Base Year
1	<b>Steam Power Generation:</b>		(2)
2	Supervision and Engineering	401 - 500	2,241,304
3	Fuel	401 - 501	54,305,385
4	Steam Expense	401 - 502	5,055,806
5	Electrical Expense	401 - 505	2,725,371
6	Miscellaneous Expense	401 - 506	5,625,956
7	Rent	401 - 507	376
	Allowances	401 - 509	6,000
8			
9	<b>Steam Power Maintenance:</b>		
10	Supervision and Engineering	402 - 510	985,523
11	Structures	402 - 511	953,820
12	Boiler	402 - 512	8,889,850
13	Electric	402 - 513	2,214,626
14	Miscellaneous	402 - 514	1,732,514
15			
16	<b>Hydro:</b>		
17	Supervision and Engineering	401 - 535	21,209
17A	Electric Expense	401 - 537 & 538	119,453
18	Miscellaneous Expense	401 - 539	6,901
19	Rents	401 - 540	-
20	Supervision & Engineering	402 - 541	2,842
21	Structures	402 - 542	7,607
22	Reservoirs - Dams	402 - 543	266,776
23	Electric	402 - 544	17,838
24	Miscellaneous Expense	402 - 545	1,674
25			
26	<b>IC:</b>		
27	Supervision and Engineering	401 - 546	139,502
27A	Supervision and Engineering-Wind	401 - 546(W)	61,031
28	Fuel	401 - 547	508,600
28A	Generation Expense	401 - 548	478,405
28B	Generation Expense-Wind	401 - 548(W)	2,140,874
29	Miscellaneous Expense	401 - 549	934,128
29A	Miscellaneous Expense-Wind	401 - 549(W)	29,292
29B	Rents	401 - 550	7,842
29C	Rents-Wind	401 - 550(W)	605,263
30	Supervision and Engineering	402 - 551	36,478
30A	Supervision and Engineering-Wind	402 - 551(W)	-
31	Structures	402 - 552	40,327
32	Generating and Electric	402 - 553	691,878
32A	Generating and Electric-Wind	402 - 553(W)	3,275
33	Miscellaneous Expense	402 - 554	(56,304)
33A	Miscellaneous Expense-Wind	402 - 554(W)	69,216
34			Production 401 = 75,022,697.74
			Production 402 = 15,857,940.33
35	<b>Other Power Supply Expenses:</b>		
36	System Control and Dispatch	401 - 556	584,423
36A	Other Expenses	401 - 557	239,088
37			
38	<b>Transmission Expenses:</b>		
39	Supervision and Engineering	401 - 560	461,603
40	Load Dispatching	401 - 561	4,491,329
41	Station Expense	401 - 562	356,660
42	Overhead Lines	401 - 563	320,668
42A	Transmission of Electricity by Others	401 - 565	21,094,612
43	Miscellaneous Expense	401 - 566	1,972,101
44	Rents	401 - 567	34,972
45	Supervision and Engineering	402 - 568	234,569
45A	Computer Hardware, Software, etc	402 - 569	953,401
46	Station Equipment	402 - 570	1,428,767
47	Overhead System	402 - 571	2,568,723
48	Underground Lines	402 - 572	-
48A	Maintenance of Miscellaneous Plant	402 - 573	-
48B	Day-Ahead & Real-Time and Transmission Market Expense	401 - 575	563,255
48C	Computer Software	402 - 576	233,184
49			
50	<b>Distribution Expense:</b>		
51	Operation, Supervision & Engineering	401 - 580	282,930
51A	Load Dispatching	401 - 581	264,990
52	Station Expenses	401 - 582	288,304
53	Line Expenses	401 - 583	386,897
54	Underground Line Expenses	401 - 584	1,462,508
55	Streetlighting & Signal System	401 - 585	1,483
56			
57	Not Used	401 - 586.01	
58	Not Used	401 - 586.02	
59	Not Used	401 - 586.03	
60	Not Used	401 - 586.04	
61	Not Used	401 - 586.05	
62	Not Used	401 - 586.06	
63	Not Used	401 - 586.07	
64	Meter Expenses:	401 - 586	961,020
65	Other Distribution Expenses	401 - 587	291,190
66	Miscellaneous Distribution Expenses	401 - 588	2,987,571
67	Rents	401 - 589	265,841
68	Maintenance, Supervision & Engineering	402 - 590	754,325
69	Maintenance of Station Equipment	402 - 592	753,628
70	Maintenance of Overhead Lines	402 - 593	5,029,839
71	Maintenance of Underground Lines	402 - 594	1,132,581
72	Maintenance of Line Transformers	402 - 595	47,846
73	Maintenance of Streetlighting & Signal	402 - 596	1,173,607
74	Maintenance of Meters:	402 - 597	721,512
75	Not Used	402 - 597.01	
76	Not Used	402 - 597.02	
77	Not Used	402 - 597.03	
78	Maintenance of Property in A/C 371	402 - 598	114,310

Otter Tail Power Company Functionalization 2018 Base Year					
Line #	Description	(3) Statement Amounts 2018 Base Year			
		Accounts			
1	<b>Customer Accounting:</b>				
2	Supervision	401 - 901	210,470		
3	Meter Reading Expenses	401 - 902	5,275,051		
4	Customer Records & Collection Expense	401 - 903	6,955,659		
5	Uncollectible Accounts	401 - 904	900,000		
6	Miscellaneous Expenses	401 - 905	508,546	401 =	13,849,925.61
7					
8	<b>Customer Service and Information Expense:</b>				
9	Supervision	401 - 907	861,727		
10					
11	Customer Assistance Expenses	401 - 908	1,750,602		
12	Not Used	401 - 908.2			
13	Not Used	401 - 908.3			
14	Not Used	401 - 908.4			
15	Not Used	401 - 908.11			
16	Not Used	401 - 908.12			
17	Not Used	401 - 908.13			
18	Conservation Investment Program - SD	401 - 908.16	449,000		
19	Conservation Investment Program - ND	401 - 908.17	0		
20	Conservation Investment Program - MN	401 - 908.18	7,551,238		
21	Not Used	401 - 908.22			
22	Not Used	401 - 908.23			
23	Info & Instr Advertising Expense	401 - 909	431,892		
24	Miscellaneous Expenses	401 - 910	53,281	401 =	11,097,740.24
25					
26	<b>Sales Expenses:</b>				
27	Supervisory Labor and Expenses	401 - 911	28,208		
28	Minnesota Economic Development	401 - 912	219,466		
29	North Dakota Economic Development	401 - 912	68,871		
30	South Dakota Economic Development	401 - 912	3,813		
31	Not Used	401 - 912.04			
32	Expenses - Sales & Demonstrations	401 - 912	38,758		
33	Not Used	401 - 912.10			
34	Not Used	401 - 912.11 & 12			
35	Not Used	401 - 912.13			
36	Not Used	401 - 912.14			
37	Not Used	401 - 912.20			
38	Not Used	401 - 912.21 & 22			
39	Not Used	401 - 912.23			
40	Not Used	401 - 912.24			
41	Not Used	401 - 912.30			
42	Not Used	401 - 912.32			
43	Not Used	401 - 912.33			
44	Not Used	401 - 912.34			
45	Advertising	401 - 913	1,423		
46	Miscellaneous Sales Expense	401 - 916	11,590		
47	Not Used	401 - 916.02			
48	Not Used	401 - 916.03			
49	Not Used	401 - 916.04			
50	Not Used	401 - 916.08			
51	Not Used	401 - 916.10			
52	Not Used	401 - 916.11			
53	Not Used	401 - 916.12			
54	Not Used	401 - 916.13			
55	Not Used	401 - 916.20			
56	Not Used	401 - 916.21			
57	Not Used	401 - 916.22			
58	Not Used	401 - 916.23			
59	Not Used	401 - 916.30			
60	Not Used	401 - 916.31			
61	Not Used	401 - 916.32			
62	Not Used	401 - 916.33		401 =	372,128.61
63					
64	<b>Operating Expenses - Admin &amp; General:</b>				
65	Salaries, Office Supplies & Expenses	401 - 920	21,708,216		
66	Various Admin & General Expenses	401 - 921	9,708,239		
67	Capitalized Admin & General Expenses	401 - 922	(3,063,358)		
68	Outside Services Employed	401 - 923	1,329,645		
69	Property Insurance	401 - 924	1,623,436		
69A	Property Insurance-Wind	401 - 924(W)	603,458		
70	Injuries & Damages	401 - 925	2,184,840		
71	Employee Pensions & Benefits	401 - 926	10,160,301		
72	Regulatory Commission Expenses	401 - 928	2,846,860		
73	Miscellaneous General Expenses	401 - 930	1,554,272	A/C 930.01 Included in This Account	
74	Informational Advertising	401 - 930.01	524,098		
75	Rents	401 - 931	408,270	401 =	49,064,779.40
76	Maintenance Expenses	402 - 935	2,343,620	A/C 935.06 Included in This Account	
77	Radio Load Control Equipment	402 - 935.06	0		

Check Totals	Amounts
Total 401 =	187,318,716.60
Total 402 =	33,342,853.70
Plus 555 (2)	70,280,323
Total	290,921,893.09
GL Total (2)	290,921,893.09
Difference	0.00

		Otter Tail Power Company Functionalization 2018 Base Year								Line #	
Line #	Factors	Peak	Base								Line #
1	Base/Peak Split										1
2	2018 Excluding Wind - (3)	18.27%	81.73%	100.00%							2
3	2018 Wind - (4)	23.03%	76.97%	100.00%							3
4											4
5	Description										5
6											6
7	Ending Balances										7
8	Land	1,306,580									8
9	Station Equipment	99,087,798									9
10	Poles, Towers & Fixtures	46,185,447	0	20,660,285	0	3,583,311	1,752,408				10
11	Overhead Conductors & Devices	24,148,420	13,703,488	6,659,166	3,116,910	2,258,834	1,104,677				11
12	Underground Conduit	0	0	0	0	0	0				12
13	Underground Conductors & Devices	15,568,337	4,114,300	50,790,714	4,780,398	2,530,865	281,207				13
14	Line Transformers	0	61,425,536	0	34,757,505	0	0				14
15	Services	0	8,794,392	0	4,269,965	0	0				15
16	Underground Services	0	13,986,727	0	27,355,239	0	0				16
17	Meters							26,594,087			17
18	Load Management Switches								8,713,737		18
19	Interruption Monitors										19
20	Installation on Customers' Premises			0	0						20
21	All Other Private Lighting						4,882,393				21
22	Streetlighting & Signal Systems					5,580,148					22
23											23
24	<b>Total Ending Balances</b>	186,296,581	102,024,443	78,110,165	74,280,016	13,953,157	8,020,685	26,594,087	8,713,737		24
25											25
26		Primary Demand	Secondary Demand	Primary Customer	Secondary Customer	Street Lights	Area Lights	Meters	Load Management		26
27	<b>Distribution Expenses</b>										27
28	Operation, Supervision & Engineering	49,727	30,150	55,692	62,982	3,521	684	80,174	0		28
29	Load Dispatching	41,811	28,338	55,517	59,197	3,860	912	75,355	0		29
30	Station Expenses	288,304									30
31	Line Expenses	117,081	139,703	45,477	70,155	9,725	4,756				31
32	Underground Line Expenses	190,681	221,702	622,085	393,598	30,998	3,444				32
33	Streetlighting & Signal System					1,483					33
34	Meter Expenses:							961,020	0		34
35	Other Distribution Expenses				291,190						35
36	Miscellaneous Distribution Expenses	525,089	318,370	588,073	665,049	37,180	7,224	846,586	0		36
37	Rents	170,099		76,091		13,197	6,454				37
38	Maintenance, Supervision & Engineering	324,097	95,779	138,205	55,158	131,058	10,029				38
39	Maintenance of Station Equipment	750,629									39
40	Maintenance of Overhead Lines	2,596,705	830,615	1,008,626	272,721	215,690	105,483				40
41	Maintenance of Underground Lines	147,665	171,688	481,749	304,806	24,005	2,667				41
42	Maintenance of Line Transformers		30,556		17,290						42
43	Maintenance of Streetlighting & Signal					1,173,607					43
44	Maintenance of Meters:							721,512	0		44
45	Maintenance of Property in A/C 371	45,112	13,332	19,237	7,678	18,242	1,396	9,313	0		45
46											46
47	<b>Total Distribution Expenses</b>	5,247,000	1,880,232	3,090,752	2,199,824	1,662,567	143,049	2,693,960	0	16,917,383.64	47
48											48
49											49
50		Production	Transmission	Distribution	Customer Accounting	Customer Service					50
51	Labor Ratios: 2018 (1)	38.15%	14.76%	23.89%	19.00%	4.20%	1.000000				51
52											52
53											53



Otter Tail Power Company Functionalization 2018 Base Year				Line #
Line #	Description		Amount	Line #
1	<b>Customer Accounting Expenses</b>			1
2	Meter Reading		5,356,450	2
3	Other		8,493,476	3
4				4
5	<b>Total Customer Accounts</b>		<b>13,849,926</b>	5
6				6
7	Customer Service & Info Expense - MN		7,551,238	7
8	- ND		0	8
9	- SD		449,000	9
10	- Other		3,097,502	10
11				11
12	<b>Total Customer Serv &amp; Information Exp</b>		<b>11,097,740</b>	12
13				13
14	<b>Sales Expenses - MN</b>		219,466	14
15	- ND		68,871	15
16	- SD		3,813	16
17	- Other		79,978	17
18				18
19	<b>Total Sales Expenses</b>		<b>372,129</b>	19
20				20
21	<b>Administrative &amp; General Expenses</b>			21
22	<b>Salaries, Supplies, Pensions &amp; Benefits</b>			22
23	Production		14,691,408	23
24	Transmission		5,683,416	24
25	Distribution		9,202,639	25
26	Customer Accounts		7,318,747	26
27	Customer Service & Info		1,617,787	27
28				28
29	<b>Total A&amp;G Salaries, Supplies, Pensions &amp; Benefits</b>		<b>38,513,998</b>	29
30				30
31	<b>Administrative &amp; General Expenses</b>			31
32	Load Management		0	32
33	Outside Services (A/C 923)		1,329,645	33
34	Property Insurance (A/C 924)		2,226,894	34
35	Injuries & Damages (A/C 925)		2,184,840	35
36				36
37	General Advertising (A/C 930.1)		524,098	37
38	Misc, Rents, Maintenance		3,762,064	38

Volume 4A

B. 2018 Base Year Workpapers

3. Input Summary

Line	(A) OTP Total 2018 Simple Average	2018 Base Year Adjustments								(J) OTP Total 2018 Base Year	(K) ND Allocations	(L) OTP ND 2018 Base Year
		(B) Advertising Expenses (1)	(C) Economic Development Costs (2)	(D) Fuel Reagent and Allowance Costs (3)	(E) Incentive Compensation (4)	(F) Jurisdictional AQCS Adjustment (5)	(G) SPP Schedule 9 and 11 Expense (6)	(H) Transmission Recovery Adjustment (7)	(I) Wholesale Margins Asset Based Revenue & Expense (8)			
1	<b>Plant in Service</b>											
2	A/C 101 & 106 - Direct MN	-	-	-	-	3,520,019	-	-	-	\$3,520,019	-	\$471,573
3	A/C 101 & 106 - Direct ND	-	-	-	-	471,573	-	-	-	\$471,573	100.00000%	\$471,573
4	A/C 101 & 106 - Direct SD	-	-	-	-	1,146,073	-	-	-	\$1,146,073	-	\$0
5	Subtotal A/C 101 & 106 - Direct Assign	-	-	-	-	5,137,665	-	-	-	\$5,137,665	-	\$471,573
6	<b>Production Plant</b>											
7	A/C 101 & 106 - Base Demand (E1)	\$513,587,479	-	-	-	(4,199,014)	-	-	-	\$509,388,465	35.65831%	\$181,639,308
8	A/C 101 & 106 - Peak Demand (D1)	\$176,745,615	-	-	-	(938,651)	-	-	-	\$175,806,964	39.84045%	\$70,042,289
9	A/C 101 & 106 - Base Energy (E2)	\$207,006,166	-	-	-	-	-	-	-	\$207,006,166	37.57734%	\$77,787,415
10	Subtotal A/C 101 & 106	\$897,339,260	-	-	-	-	-	-	-	\$897,339,260	-	\$329,940,585
11	<b>Transmission Plant</b>											
12	A/C 114 - Base Demand (E1)	\$1,298,081	-	-	-	-	-	-	-	\$1,298,081	35.65831%	\$462,874
13	A/C 114 - Peak Demand (D1)	\$290,174	-	-	-	-	-	-	-	\$290,174	39.84045%	\$115,607
14	A/C 114 - Base Energy (E1)	\$0	-	-	-	-	-	-	-	\$0	35.65831%	\$0
15	Subtotal A/C 114	\$1,588,255	-	-	-	-	-	-	-	\$1,588,255	-	\$578,480
16	<b>Total Production Plant</b>											
17		\$898,927,514	-	-	-	-	-	-	-	\$898,927,514	-	\$330,519,065
18	<b>Transmission Plant</b>											
19	A/C 101 & 106 (D2)	\$514,924,905	-	-	-	-	-	(126,520,627)	-	\$388,404,278	39.59891%	\$153,803,849
20	A/C 101 & 106 (Direct FERC)	\$0	-	-	-	-	-	-	126,520,627	\$126,520,627	-	\$0
21	A/C 114 (D2)	\$58,287	-	-	-	-	-	-	-	\$58,287	39.59891%	\$23,081
22	Subtotal A/C 101 & 106	\$514,983,192	-	-	-	-	-	-	-	\$514,983,192	-	\$153,826,930
23	<b>Distribution Plant</b>											
24	Primary Demand (D3)	\$186,296,581	-	-	-	-	-	-	-	\$186,296,581	45.87051%	\$85,455,190
25	Secondary Demand (D4)	\$102,024,443	-	-	-	-	-	-	-	\$102,024,443	48.02088%	\$48,993,034
26	Primary Customer (C2)	\$78,110,165	-	-	-	-	-	-	-	\$78,110,165	44.77088%	\$34,970,608
27	Secondary Customer (C3)	\$74,280,016	-	-	-	-	-	-	-	\$74,280,016	44.78375%	\$33,265,375
28	Streetlighting (C4)	\$13,953,157	-	-	-	-	-	-	-	\$13,953,157	43.58121%	\$6,080,955
29	Area Lighting (C5)	\$8,020,685	-	-	-	-	-	-	-	\$8,020,685	51.76290%	\$4,151,739
30	Meters (C6)	\$26,594,087	-	-	-	-	-	-	-	\$26,594,087	44.67973%	\$11,882,166
31	Load Management (C9)	\$8,713,737	-	-	-	-	-	-	-	\$8,713,737	43.55054%	\$3,794,879
32	Subtotal Distribution Plant	\$497,992,871	-	-	-	-	-	-	-	\$497,992,871	-	\$228,593,947
33	<b>General Plant</b>											
34	Production (P10)	\$33,683,326	-	-	-	-	-	-	-	\$33,683,326	36.76816%	\$12,384,738
35	Transmission (D2)	\$13,030,498	-	-	-	-	-	-	-	\$13,030,498	39.59891%	\$5,159,935
36	Distribution (P60)	\$21,099,100	-	-	-	-	-	-	-	\$21,099,100	45.90306%	\$9,685,132
37	Customer Accounts (OXC)	\$16,779,859	-	-	-	-	-	-	-	\$16,779,859	43.98276%	\$7,380,245
38	Customer Service & Info (OXI)	\$3,709,137	-	-	-	-	-	-	-	\$3,709,137	44.63305%	\$1,655,501
39	Load Management (C9)	\$317,859	-	-	-	-	-	-	-	\$317,859	43.55054%	\$138,429
40	Subtotal General Plant	\$88,619,779	-	-	-	-	-	-	-	\$88,619,779	-	\$36,403,979
41	<b>Intangible Plant (P90)</b>											
42		\$14,067,426	-	-	-	-	-	-	-	\$14,067,426	41.07884%	\$5,778,736
43	<b>Total Plant in Service</b>	\$2,014,590,782	-	-	-	-	-	-	-	\$2,014,590,782	-	\$755,122,656
44	<b>Accumulated Depreciation</b>											
45	<b>Production Plant</b>											
46	Base Demand (E1)	(\$235,510,776)	-	-	-	-	-	-	-	(\$235,510,776)	35.65831%	(\$83,979,158)
47	Peak Demand (D1)	(\$75,406,125)	-	-	-	-	-	-	-	(\$75,406,125)	39.84045%	(\$30,042,141)
48	Base Energy (E2)	(\$76,067,042)	-	-	-	-	-	-	-	(\$76,067,042)	37.57734%	(\$28,583,973)
49	Total Production Plant	(\$386,983,943)	-	-	-	-	-	-	-	(\$386,983,943)	-	(\$142,605,272)
50	<b>Transmission Plant</b>											
51	Transmission Plant (D2)	(\$126,521,372)	-	-	-	-	-	4,418,753	-	(\$122,102,619)	39.59891%	(\$48,351,302)
52	Transmission Plant - Direct FERC	\$0	-	-	-	-	-	(4,418,753)	-	(\$4,418,753)	-	\$0
53	Total Transmission Plant	(\$126,521,372)	-	-	-	-	-	-	-	(\$126,521,372)	-	(\$48,351,302)
54	<b>Distribution Plant (P60)</b>											
55		(\$214,337,362)	-	-	-	-	-	-	-	(\$214,337,362)	45.90306%	(\$98,387,399)
56	<b>General Plant (P90)</b>											
57		(\$34,142,419)	-	-	-	-	-	-	-	(\$34,142,419)	41.07884%	(\$14,025,311)
58	<b>Intangible Plant (P90)</b>											
59		(\$2,010,565)	-	-	-	-	-	-	-	(\$2,010,565)	41.07884%	(\$825,917)
60	<b>Total Accumulated Depreciation</b>	(\$763,995,661)	-	-	-	-	-	-	-	(\$763,995,661)	-	(\$304,195,200)
61	<b>Total Net Plant in Service</b>	\$1,250,595,122	-	-	-	-	-	-	-	\$1,250,595,122	-	\$450,927,456

- (1) - Workpaper B-14
- (2) - Workpaper ND-01
- (3) - Workpaper ND-04
- (4) - Workpaper B-16
- (5) - Workpaper ND-02
- (6) - Workpaper ND-05
- (7) - Workpaper ND-03
- (8) - Workpaper ND-06

Line	(A) OTP Total 2018 Simple Average	2018 Base Year Adjustments								(J) OTP Total 2018 Base Year	(K) ND Allocations	(L) OTP ND 2018 Base Year
		(B) Advertising Expenses	(C) Economic Development Costs	(D) Fuel Reagent and Allowance Costs	(E) Incentive Compensation	(F) Jurisdictional AQCS Adjustment	(G) SPP Schedule 9 and 11 Expense	(H) Transmission Recovery Adjustment	(I) Wholesale Margins Asset Based Revenue & Expense			
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			
69												
70	<b>Plant Held for Future Use</b>											
71	Production Plant (P10)	\$0	-	-	-	-	-	-	-	\$0	36.76816%	\$0
72	Transmission Plant (D2)	\$9,038	-	-	-	-	-	-	-	\$9,038	39.59891%	\$3,579
73	Distribution Plant (P60)	\$20,619	-	-	-	-	-	-	-	\$20,619	45.90306%	\$9,465
74	General Plant (P90)	\$0	-	-	-	-	-	-	-	\$0	41.07884%	\$0
75	Intangible Plant (P90)	\$0	-	-	-	-	-	-	-	\$0	41.07884%	\$0
76	<b>Total Plant Held for Future Use</b>	<b>\$29,657</b>	-	-	-	-	-	-	-	<b>\$29,657</b>		<b>\$13,044</b>
77												
78	<b>Unamortized Holding Company Expense</b>											
79	Unamortized Holding Company Expense - MN	\$0	-	-	-	-	-	-	-	\$0	36.05703%	\$0
80	Unamortized Holding Company Expense - ND	\$0	-	-	-	-	-	-	-	\$0	36.05703%	\$0
81	Unamortized Holding Company Expense - SD	\$0	-	-	-	-	-	-	-	\$0	36.05703%	\$0
82	Unamortized Holding Company Expense - FERC	\$0	-	-	-	-	-	-	-	\$0	36.05703%	\$0
83	<b>Total Unamortized Holding Company Expense</b>	<b>\$0</b>	-	-	-	-	-	-	-	<b>\$0</b>		<b>\$0</b>
84												
85	<b>CIP Tracker Balance</b>											
86	CIP Tracker - MN	\$0	-	-	-	-	-	-	-	\$0		\$0
87	CIP Tracker - ND	\$0	-	-	-	-	-	-	-	\$0		\$0
88	CIP Tracker - SD	\$0	-	-	-	-	-	-	-	\$0		\$0
89	CIP Tracker - FERC	\$0	-	-	-	-	-	-	-	\$0		\$0
90	<b>Total CIP Tracker Balance</b>	<b>\$0</b>	-	-	-	-	-	-	-	<b>\$0</b>		<b>\$0</b>
91												
92	<b>Const Work-in-Progress - Direct Assigned</b>											
93	Production Plant - Direct MN	\$0	-	-	-	-	-	-	-	\$0		\$0
94	Production Plant - Direct ND	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
95	Production Plant - Direct SD	\$0	-	-	-	-	-	-	-	\$0		\$0
96	Production Plant - Direct FERC	\$0	-	-	-	-	-	-	-	\$0		\$0
97	Transmission Plant - Direct MN	\$0	-	-	-	-	-	-	-	\$0		\$0
98	Transmission Plant - Direct ND	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
99	Transmission Plant - Direct SD	\$0	-	-	-	-	-	-	-	\$0		\$0
100	Transmission Plant - Direct FERC	\$0	-	-	-	-	-	-	-	\$0		\$0
101	Distribution Plant - Direct MN	\$0	-	-	-	-	-	-	-	\$0		\$0
102	Distribution Plant - Direct ND	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
103	Distribution Plant - Direct SD	\$0	-	-	-	-	-	-	-	\$0		\$0
104	Distribution Plant - Direct FERC	\$0	-	-	-	-	-	-	-	\$0		\$0
105	General Plant - Direct MN	\$0	-	-	-	-	-	-	-	\$0		\$0
106	General Plant - Direct ND	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
107	General Plant - Direct SD	\$0	-	-	-	-	-	-	-	\$0		\$0
108	General Plant - Direct FERC	\$0	-	-	-	-	-	-	-	\$0		\$0
109	Intangible Plant - Direct MN	\$0	-	-	-	-	-	-	-	\$0		\$0
110	Intangible Plant - Direct ND	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
111	Intangible Plant - Direct SD	\$0	-	-	-	-	-	-	-	\$0		\$0
112	Intangible Plant - Direct FERC	\$0	-	-	-	-	-	-	-	\$0		\$0
113	<b>Total CWIP - Major Projects - Direct Assigned</b>	<b>\$0</b>	-	-	-	-	-	95,776,331	-	<b>\$95,776,331</b>		<b>\$0</b>
114												
115	<b>Const Work-in-Progress - Short-Term</b>											
116	Production Plant (P10)	\$0	-	-	-	-	-	-	-	\$0	36.76816%	\$0
117	Transmission Plant (D2)	\$686,250	-	-	-	-	-	-	-	\$686,250	39.59891%	\$271,747
118	Distribution Plant (P60)	\$0	-	-	-	-	-	-	-	\$0	45.90306%	\$0
119	General Plant (P90)	\$0	-	-	-	-	-	-	-	\$0	41.07884%	\$0
120	Intangible Plant (P90)	\$0	-	-	-	-	-	-	-	\$0	41.07884%	\$0
121	<b>Total CWIP - Short-Term</b>	<b>\$686,250</b>	-	-	-	-	-	-	-	<b>\$686,250</b>		<b>\$271,747</b>
122												
123	<b>Const Work-in-Progress - Long Term</b>											
124	Production Plant (AFUDC Projects P10)	\$14,041,071	-	-	-	-	-	-	-	\$14,041,071	36.76816%	\$0
125	Production Plant (Rider Projects)	\$0	-	-	-	-	-	-	-	\$0	36.76816%	\$0
126	Transmission Plant (AFUDC Projects)	\$101,631,625	-	-	-	-	-	(95,776,331)	-	\$5,855,294	39.59891%	\$0
127	Transmission Plant (Rider Projects)	\$0	-	-	-	-	-	-	-	\$0	39.59891%	\$0
128	Distribution Plant (P60)	\$1,149,148	-	-	-	-	-	-	-	\$1,149,148	45.90306%	\$0
129	General Plant (P90)	\$1,603,969	-	-	-	-	-	-	-	\$1,603,969	41.07884%	\$0
130	Intangible Plant (P90)	\$5,942,443	-	-	-	-	-	-	-	\$5,942,443	41.07884%	\$0
131	<b>Total CWIP - Long Term AFUDC Projects</b>	<b>\$124,368,256</b>	-	-	-	-	-	(95,776,331)	-	<b>\$28,591,925</b>		<b>\$0</b>
132	Total CWIP - Long Term Rider Projects	\$0	-	-	-	-	-	-	-	\$0		\$0
133												
134	<b>Total Construction Work-in-Progress</b>	<b>\$125,054,506</b>	-	-	-	-	-	-	-	<b>\$125,054,506</b>		<b>\$271,747</b>
135												

- (1) - Workpaper B-14
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- (7) - Workpaper ND-03
- (8) - Workpaper ND-06

Line	(A) OTP Total 2018 Simple Average	(B)-(I) 2018 Base Year Adjustments								(J) OTP Total 2018 Base Year	(K) ND Allocations	(L) OTP ND 2018 Base Year
		(B) Advertising Expenses (1)	(C) Economic Development Costs (2)	(D) Fuel Reagent and Allowance Costs (3)	(E) Incentive Compensation (4)	(F) Jurisdictional AQS Adjustment (5)	(G) SPP Schedule 9 and 11 Expense (6)	(H) Transmission Recovery Adjustment (7)	(I) Wholesale Margins Asset Based Revenue & Expense (8)			
136	<b>Materials &amp; Supplies</b>											
137	Production (P10)	\$6,230,432	-	-	-	-	-	-	-	\$6,230,432	36.76816%	\$2,290,815
138	Transmission (D2)	\$5,450,400	-	-	-	-	-	-	-	\$5,450,400	39.59891%	\$2,158,299
139	Distribution (P60)	\$8,335,905	-	-	-	-	-	-	-	\$8,335,905	45.90306%	\$3,826,435
140	<b>Total Materials and Supplies</b>	<b>\$20,016,737</b>	-	-	-	-	-	-	-	<b>\$20,016,737</b>		<b>\$6,275,549</b>
141												
142	<b>Fuel Stocks</b>											
143	Coal Stocks (E1)	\$9,319,627	-	-	-	-	-	-	-	\$9,319,627	35.65831%	\$3,323,221
144	Fuel Oil Stocks (D1)	\$2,780,049	-	-	-	-	-	-	-	\$2,780,049	39.84045%	\$1,107,584
145	<b>Total Fuel Stocks</b>	<b>\$12,099,676</b>	-	-	-	-	-	-	-	<b>\$12,099,676</b>		<b>\$4,430,805</b>
146												
147	<b>Prepayments (NEPIS)</b>	<b>(\$36,579,505)</b>	-	-	-	-	-	-	-	<b>(\$36,579,505)</b>	36.05703%	<b>(\$13,189,483)</b>
148												
149	<b>Customer Advances &amp; Deposits</b>											
150	Customer Advances & Deposits (NEPIS)	(\$1,013,988)	-	-	-	-	-	-	-	(\$1,013,988)	36.05703%	(\$365,614)
151	Customer Deposits (Direct MN)	\$0	-	-	-	-	-	-	-	\$0		\$0
152												
153	<b>Cash Working Capital</b>	<b>\$12,629,886</b>	-	-	-	-	-	-	-	<b>\$12,629,886</b>		<b>\$3,656,606</b>
154												
155	<b>Accumulated Deferred Income Taxes</b>											
156	<i>Items SD Flows Through</i>											
157	Federal (NPMNR)	\$435,531	-	-	-	-	-	-	-	\$435,531	39.38801%	\$171,547
158	Minnesota (NPISM)	\$72,069	-	-	-	-	-	-	-	\$72,069		\$0
159	North Dakota (NPISN)	\$35,772	-	-	-	-	-	-	-	\$35,772	100.00000%	\$35,772
160	<b>Subtotal</b>	<b>\$543,371</b>	-	-	-	-	-	-	-	<b>\$543,371</b>		<b>\$207,318</b>
161	<i>All Other</i>											
162	Federal (NEPIS)	(\$208,798,461)	-	-	-	-	-	23,906,999	-	(\$184,891,462)	36.05703%	(\$66,666,370)
163	Federal (Direct FERC)	\$0	-	-	-	-	-	(23,906,999)	-	(\$23,906,999)		\$0
164	Minnesota (NPISM)	(\$33,249,051)	-	-	-	-	-	-	-	(\$33,249,051)		\$0
165	North Dakota (NPISN)	(\$36,778,353)	-	-	-	-	-	-	-	(\$36,778,353)	100.00000%	(\$36,778,353)
166	<b>Subtotal</b>	<b>(\$278,825,865)</b>	-	-	-	-	-	-	-	<b>(\$278,825,865)</b>		<b>(\$103,444,724)</b>
167												
168	<b>Total Accumulated Deferred Income Taxes</b>	<b>(\$278,282,495)</b>	-	-	-	-	-	-	-	<b>(\$278,282,495)</b>		<b>(\$103,237,405)</b>
169												
170	<b>Unamortized Rate Case Expenses</b>											
171	Minnesota	\$0	-	-	-	-	-	-	-	\$0		\$0
172	North Dakota	\$0	-	-	-	-	-	-	-	\$0		\$0
173	South Dakota	\$0	-	-	-	-	-	-	-	\$0		\$0
174	FERC	\$0	-	-	-	-	-	-	-	\$0		\$0
175	<b>Total Unamortized Rate Case Expenses</b>	<b>\$0</b>	-	-	-	-	-	-	-	<b>\$0</b>		<b>\$0</b>
176												
177	<b>Total Average Rate Base</b>	<b>\$1,104,549,596</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,104,549,596</b>		<b>\$350,782,707</b>

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	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
Line	OTP Total 2018 Simple Average	Advertising Expenses	Economic Development Costs	Fuel Reagent and Allowance Costs	Incentive Compensation	SPP Schedule 9 and 11 Expense	Transmission Recovery Adjustment	Wholesale Margins Asset Based Revenue & Expense	Total of Normal Adjustments	OTP Total 2018 Base Year	ND Allocation	OTP ND 2018 Base Year
		(1)	(2)	(3)	(4)	(5)	(6)	(7)				
1	<b>Operating Revenues</b>											
2	Sales of Electricity - Minnesota (Direct MN/R10)	\$208,270,496	-	-	-	-	-	-	-	\$208,270,496		\$0
3	Sales of Electricity - North Dakota (Direct ND/R10)	\$148,037,074	-	-	-	-	-	-	-	\$148,037,074	100.000000%	\$148,037,074
4	Sales of Electricity - South Dakota (Direct SD/R10)	\$33,708,506	-	-	-	-	-	-	-	\$33,708,506		\$0
5	Sales of Electricity - FERC (Direct FERC/R10)	\$0	-	-	-	-	-	-	-	\$0		\$0
6	Total Retail Sales	\$390,016,076	-	-	-	-	-	-	-	\$390,016,076		\$148,037,074
7												
8	<b>Other Operating Revenues</b>											
9	<b>Other Sales for Resale</b>											
10	Municipalities (Direct FERC)	\$198,999	-	-	-	-	-	-	-	\$198,999		\$0
11	Non-Asset Wholesale Transactions (D2)	\$0	-	-	-	-	-	-	-	\$0	39.598907%	\$0
12	All Other Transactions											
13	Base Demand (E1)	\$0	-	-	-	-	-	-	-	\$0	35.658308%	\$0
14	Peak Demand (D1)	\$0	-	-	-	-	-	-	-	\$0	39.840452%	\$0
15	Base Energy (E2)	\$100,174	-	-	-	-	-	(85,148)	(85,148)	\$15,026	37.577342%	\$5,646
16	Peak Energy (D1)	\$0	-	-	-	-	-	-	-	\$0	39.840452%	\$0
17												
18	<b>Total Other Sales for Resale</b>	\$299,172	-	-	-	-	-	(85,148)	(85,148)	\$214,025		\$5,646
19												
20	<b>Other Electric Revenues</b>											
21	Late Fees - Minnesota (Direct MN/C1)	\$332,503	-	-	-	-	-	-	-	\$332,503		\$0
22	Late Fees - North Dakota (Direct ND/C1)	\$277,669	-	-	-	-	-	-	-	\$277,669	100.000000%	\$277,669
23	Late Fees - South Dakota (Direct SD/C1)	\$95,499	-	-	-	-	-	-	-	\$95,499		\$0
24	Subtotal Late Fees	\$705,671	-	-	-	-	-	-	-	\$705,671		\$277,669
25	Connection Fees - Minnesota (Direct MN/C1)	\$189,927	-	-	-	-	-	-	-	\$189,927		\$0
26	Connection Fees - North Dakota (Direct ND/C1)	\$135,015	-	-	-	-	-	-	-	\$135,015	100.000000%	\$135,015
27	Connection Fees - South Dakota (Direct SD/C1)	\$28,952	-	-	-	-	-	-	-	\$28,952		\$0
28	Subtotal Connection Fees	\$353,894	-	-	-	-	-	-	-	\$353,894		\$135,015
29	Rent from Electric Property (NEPIS)	\$568,008	-	-	-	-	-	-	-	\$568,008	36.057030%	\$204,807
30	Rent from Electric Property - Big Stone (NEPIS)	\$11,825	-	-	-	-	-	-	-	\$11,825	36.057030%	\$4,264
31	Rent from Electric Property - Coyote (NEPIS)	\$9,800	-	-	-	-	-	-	-	\$9,800	36.057030%	\$3,534
32	Other Miscellaneous Electric Revenue (NEPIS)	\$2,576,976	-	-	-	-	-	-	-	\$2,576,976	36.057030%	\$929,181
33	Other Miscellaneous Electric Revenue (Direct MN/C1)	\$0	-	-	-	-	-	-	-	\$0		\$0
34	Other Miscellaneous Electric Revenue (Direct ND/C1)	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
35	Other Miscellaneous Electric Revenue (Direct SD/C1)	\$0	-	-	-	-	-	-	-	\$0		\$0
36	Subtotal Other Miscellaneous Electric Revenue	\$2,576,976	-	-	-	-	-	-	-	\$2,576,976		\$929,181
37	Integrated Transmission Deficiency Payments (NEPIS)	\$1,773,638	-	-	-	-	-	-	-	\$1,773,638	36.057030%	\$639,521
38	Miscellaneous Services (NEPIS)	\$28,101	-	-	-	-	-	-	-	\$28,101	36.057030%	\$10,132
39	Wheeling - All Jurisdictions (NEPIS)	\$439,772	-	-	-	-	-	-	-	\$439,772		\$0
40	Load Control & Dispatching, MAPP & MISO (NEPIS)	\$51,548,158	-	-	-	-	(29,831,233)	-	(29,831,233)	\$21,716,925	36.057030%	\$7,830,478
41	Load Control & Dispatching, MAPP & MISO (Direct FERC)	\$0	-	-	-	-	29,831,233	-	29,831,233	\$29,831,233		\$0
42	Subtotal Load Control & Dispatching, MAPP & MISO	\$51,548,158	-	-	-	-	-	-	-	\$51,548,158		\$7,830,478
43	Loan Pool Interest - Minnesota (Direct MN/C1)	\$2,676	-	-	-	-	-	-	-	\$2,676		\$0
44	Loan Pool Interest - North Dakota (Direct ND/C1)	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
45	Loan Pool Interest - South Dakota (Direct SD/C1)	\$0	-	-	-	-	-	-	-	\$0		\$0
46	Subtotal Loan Pool Interest	\$2,676	-	-	-	-	-	-	-	\$2,676		\$0
47	<b>Total Other Electric Revenues</b>	\$58,018,520	-	-	-	-	-	-	-	\$58,018,520		\$10,034,601
48												
49	<b>Total Other Operating Revenues</b>	\$58,317,692	-	-	-	-	-	(85,148)	(85,148)	\$58,232,545		\$10,040,248
50												
51	<b>Total Operating Revenues</b>	\$448,333,768	-	-	-	-	-	(85,148)	(85,148)	\$448,248,621		\$158,077,321

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Line	(A) OTP Total 2018 Simple Average	(B) Advertising Expenses	(C) Economic Development Costs	(D) Fuel Reagent and Allowance Costs	(E) Incentive Compensation	(F) SPP Schedule 9 and 11 Expense	(G) Transmission Recovery Adjustment	(H) Wholesale Margins Asset Based Revenue & Expense	(I) Total of Normal Adjustments	(J) OTP Total 2018 Base Year	(K) ND Allocation	(L) OTP ND 2018 Base Year
		(1)	(2)	(3)	(4)	(5)	(6)	(7)				
52												
53	<b>Operating Expenses</b>											
54	<b>Production Expenses</b>											
55	Production Expenses Excl Purchased Power											
56	Base Demand (E1)	\$17,265,227	-	-	(1,032,569)	-	-	-	(1,032,569)	\$16,232,658	35.658308%	\$5,788,291
57	Peak Demand (D1)	\$4,529,416	-	-	(230,821)	-	-	-	(230,821)	\$4,298,595	39.840452%	\$1,712,580
58	Base Energy (E2)	\$69,400,907	-	-	-	-	-	(88,136)	(88,136)	\$69,312,771	37.577342%	\$26,045,897
59	Peak Energy (D1)	\$508,600	-	-	-	-	-	-	-	\$508,600	39.840452%	\$202,629
60	Base Demand (Direct MN)	\$0	-	-	1,032,569	-	-	-	1,032,569	\$1,032,569		\$0
61	Peak Demand (Direct MN)	\$0	-	-	230,821	-	-	-	230,821	\$230,821		\$0
62	Total Excluding Purchased Power	\$91,704,150	-	-	0	-	-	(88,136)	(88,136)	\$91,616,013		\$33,749,396
63												
64	Purchased Power											
65	Base Demand (E1)	\$2,439,877	-	-	-	-	-	-	-	\$2,439,877	35.658308%	\$870,019
66	Peak Demand (D1)	\$0	-	-	-	-	-	-	-	\$0	39.840452%	\$0
67	Base Energy (E2)	\$67,820,445	-	-	-	-	-	-	-	\$67,820,445	37.577342%	\$25,485,121
68	Peak Energy (D1)	\$0	-	-	-	-	-	-	-	\$0	39.840452%	\$0
69	Total Purchased Power	\$70,260,322	-	-	-	-	-	-	-	\$70,260,322		\$26,355,139
70	Total Production Expenses	\$161,964,472	-	-	0	-	-	(88,136)	(88,136)	\$161,876,335		\$60,104,536
71												
72	Transmission Expenses (D2)	\$35,311,843	-	-	-	(1,184,949)	(16,223)	-	(1,201,173)	\$34,110,670	39.598907%	\$13,507,453
73	Transmission Expenses (Direct MN)	\$0	-	-	-	1,184,949	-	-	1,184,949	\$1,184,949		\$0
74	Transmission Expenses (Direct FERC)	\$0	-	-	-	-	16,223	-	16,223	\$16,223		\$0
75	Total Transmission Expenses	\$35,311,843	-	-	-	-	-	-	-	\$35,311,843		\$13,507,453
76												
77	Distribution Expenses											
78	Primary Demand (D3)	\$5,246,930	-	-	-	-	-	-	-	\$5,246,930	45.870509%	\$2,406,793
79	Secondary Demand (D4)	\$1,880,361	-	-	-	-	-	-	-	\$1,880,361	48.020879%	\$902,966
80	Primary Customer (C2)	\$3,090,357	-	-	-	-	-	-	-	\$3,090,357	44.770880%	\$1,383,580
81	Secondary Customer (C3)	\$2,200,175	-	-	-	-	-	-	-	\$2,200,175	44.783748%	\$985,321
82	Streetlighting (C4)	\$1,662,551	-	-	-	-	-	-	-	\$1,662,551	43.581209%	\$724,560
83	Area Lighting (C5)	\$143,049	-	-	-	-	-	-	-	\$143,049	51.762897%	\$74,046
84	Meters (C6)	\$2,693,960	-	-	-	-	-	-	-	\$2,693,960	44.679731%	\$1,203,654
85	Load Management (C9)	\$0	-	-	-	-	-	-	-	\$0	43.550537%	\$0
86	Total Distribution	\$16,917,384	-	-	-	-	-	-	-	\$16,917,384		\$7,680,921
87												
88	Customer Accounting Expenses											
89	Meter Reading (C7)	\$5,356,450	-	-	-	-	-	-	-	\$5,356,450	42.742338%	\$2,289,472
90	Other (C8)	\$8,493,476	-	-	-	-	-	-	-	\$8,493,476	44.765037%	\$3,802,108
91	Total Customer Accounts	\$13,849,926	-	-	-	-	-	-	-	\$13,849,926		\$6,091,579
92												
93	Customer Service & Info Expenses											
94	Conservation & DSM Rebates - MN (Direct MN/E2)	\$7,551,238	-	-	-	-	-	-	-	\$7,551,238		\$0
95	Conservation & DSM Rebates - ND (Direct ND/E2)	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
96	Conservation & DSM Rebates - SD (Direct SD/E2)	\$449,000	-	-	-	-	-	-	-	\$449,000		\$0
97	Other (C1)	\$3,097,502	-	-	-	-	-	-	-	\$3,097,502	44.633048%	\$1,382,509
98	Total Customer Serv & Infomation Exp	\$11,097,740	-	-	-	-	-	-	-	\$11,097,740		\$1,382,509
99												

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 (7) - Workpaper ND-06

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
Line	OTP Total 2018 Simple Average	Advertising Expenses	Economic Development Costs	Fuel Reagent and Allowance Costs	Incentive Compensation	SPP Schedule 9 and 11 Expense	Transmission Recovery Adjustment	Wholesale Margins Asset Based Revenue & Expense	Total of Normal Adjustments	OTP Total 2018 Base Year	ND Allocation	OTP ND 2018 Base Year
		(1)	(2)	(3)	(4)	(5)	(6)	(7)				
100	<b>Sales Expenses</b>											
101	Off-Peak Development - MN (Direct MN/C1)	\$219,466	-	-	-	-	-	-	-	\$219,466		\$0
102	Off-Peak Development - ND (Direct ND/C1)	\$68,871	-	(68,871)	-	-	-	-	(68,871)	\$0	100.000000%	\$0
103	Off-Peak Development - SD (Direct SD/C1)	\$3,813	-	-	-	-	-	-	-	\$3,813		\$0
104	Other (C1)	\$51,770	(1,423)	-	-	-	-	-	(1,423)	\$50,347	44.633048%	\$22,472
105	<b>Total Sales Expenses</b>	\$343,920	(1,423)	(68,871)	-	-	-	-	(70,294)	\$273,627		\$22,472
106												
107	<b>Administrative &amp; General Expenses</b>											
108	<i>Salaries, Supplies, Pensions &amp; Benefits</i>											
109	Production (OXPD)	\$14,691,408	-	-	-	(192,070)	-	-	(192,070)	\$14,499,338	36.440914%	\$5,283,691
110	Transmission (D2)	\$5,683,416	-	-	-	(74,303)	-	-	(74,303)	\$5,609,114	39.598907%	\$2,221,148
111	Distribution (OXD)	\$9,202,639	-	-	-	(120,312)	-	-	(120,312)	\$9,082,327	45.402532%	\$4,123,607
112	Customer Accounts (OXC)	\$7,318,747	-	-	-	(95,682)	-	-	(95,682)	\$7,223,065	43.982758%	\$3,176,903
113	Customer Service & Info (C1)	\$1,617,787	-	-	-	(21,150)	-	-	(21,150)	\$1,596,637	44.633048%	\$712,628
114	<b>Total A&amp;G Salaries, Supp, Pensions &amp; Benefits</b>	\$38,513,998	-	-	-	(503,517)	-	-	(503,517)	\$38,010,481		\$15,517,977
115												
116	Load Management (C9)	\$0	-	-	-	-	-	-	-	\$0	43.550537%	\$0
117	Outside Services (A/C 923) (NEPIS)	\$1,329,645	-	-	-	-	-	-	-	\$1,329,645	36.057030%	\$479,431
118	Property Insurance (A/C 924) (NEPIS)	\$2,226,894	-	-	-	-	-	-	-	\$2,226,894	36.057030%	\$802,952
119	Injuries & Damages (A/C 925) (NEPIS)	\$2,184,840	-	-	-	-	-	-	-	\$2,184,840	36.057030%	\$787,788
120	Regulatory Commission Exp (A/C 928) - MN (Direct MN/R10)	\$716,778	-	-	-	-	-	-	-	\$716,778		\$0
121	Regulatory Commission Exp (A/C 928) - ND (Direct ND/R10)	\$961,755	-	-	-	-	-	-	-	\$961,755	100.000000%	\$961,755
122	Regulatory Commission Exp (A/C 928) - SD (Direct SD/R10)	\$93,452	-	-	-	-	-	-	-	\$93,452		\$0
123	Regulatory Commission Exp (A/C 928) - FERC (Direct FERC/R10)	\$1,074,876	-	-	-	-	-	-	-	\$1,074,876		\$0
124	<b>Total Regulatory Commission Expense</b>	\$2,846,861	-	-	-	-	-	-	-	\$2,846,861		\$961,755
125	General Advertising (A/C 930.1) (C1)	\$524,098	(504,609)	-	-	-	-	-	(504,609)	\$19,489	44.633048%	\$8,698
126	Misc. Rents, Maintenance (P90)	\$3,782,064	-	-	-	-	-	-	-	\$3,782,064	41.078842%	\$1,553,628
127	<b>Total Administrative &amp; General Expense</b>	\$51,408,400	(504,609)	-	-	(503,517)	-	-	(1,008,126)	\$50,400,273		\$20,112,229
128												
129	<b>Charitable Contributions (&amp; Cust Dep Int)</b>											
130	Minnesota Only (Direct MN/C1)	\$0	-	-	-	-	-	-	-	\$0		\$0
131	North Dakota Only (Direct ND/C1)	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
132	South Dakota Only (Direct SD/C1)	\$0	-	-	-	-	-	-	-	\$0		\$0
133	<b>Total Charitable Contributions (&amp; Cust Dep Int)</b>	\$0	-	-	-	-	-	-	-	\$0		\$0
134												
135	<b>Total O &amp; M Expenses</b>	\$290,893,685	(506,032)	(68,871)	0	(503,517)	-	(88,136)	(1,166,557)	\$289,727,128		\$108,901,698
136												
137	<b>Depreciation Expense</b>											
138	<i>Production</i>											
139	Base Demand (E1)	\$14,473,420	-	-	-	-	-	-	-	\$14,473,420	35.658308%	\$5,160,977
140	Peak Demand (D1)	\$5,798,852	-	-	-	-	-	-	-	\$5,798,852	39.840452%	\$2,310,289
141	Base Energy (E2)	\$8,567,467	-	-	-	-	-	-	-	\$8,567,467	37.577342%	\$3,219,426
142	<b>Total Production</b>	\$28,839,739	-	-	-	-	-	-	-	\$28,839,739		\$10,690,692
143	Transmission (D2)	\$9,054,548	-	-	-	-	(2,202,087)	-	(2,202,087)	\$6,852,461	39.598907%	\$2,713,500
144	Transmission (Direct FERC)	\$0	-	-	-	-	2,202,087	-	2,202,087	\$2,202,087		\$0
145	<b>Total Transmission</b>	\$9,054,548	-	-	-	-	-	-	-	\$9,054,548		\$2,713,500
146	Distribution (P60)	\$11,732,197	-	-	-	-	-	-	-	\$11,732,197	45.903056%	\$5,385,437
147	General (P90)	\$2,285,866	-	-	-	-	-	-	-	\$2,285,866	41.078842%	\$939,007
148	Intangible (P90)	\$2,404,221	-	-	-	-	-	-	-	\$2,404,221	41.078842%	\$987,626
149	<b>Total Depreciation Expense</b>	\$54,316,572	-	-	-	-	-	-	-	\$54,316,572		\$20,716,262

(1) - Workpaper B-14  
 (2) - Workpaper ND-01  
 (3) - Workpaper ND-04  
 (4) - Workpaper B-16  
 (5) - Workpaper ND-05  
 (6) - Workpaper ND-03  
 (7) - Workpaper ND-06

Line	(A) OTP Total 2018 Simple Average	(B) Advertising Expenses	(C) Economic Development Costs	(D) Fuel Reagent and Allowance Costs	(E) Incentive Compensation	(F) SPP Schedule 9 and 11 Expense	(G) Transmission Recovery Adjustment	(H) Wholesale Margins Asset Based Revenue & Expense	(I) Total of Normal Adjustments	(J) OTP Total 2018 Base Year	(K) ND Allocation	(L) OTP ND 2018 Base Year
		(1)	(2)	(3)	(4)	(5)	(6)	(7)				
150												
151	<b>Big Stone Expense Offsets</b>											
152	Minnesota (Direct MN)	\$0	-	-	-	-	-	-	-	\$0		\$0
153	North Dakota (Direct ND)	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
154	South Dakota (Direct SD)	\$0	-	-	-	-	-	-	-	\$0		\$0
155	FERC (Direct FERC)	\$0	-	-	-	-	-	-	-	\$0		\$0
156	<b>Total Big Stone Expense Offsets</b>	\$0	-	-	-	-	-	-	-	\$0		\$0
157												
158	General Taxes (NEPIS)	\$15,375,197	-	-	-	-	(1,779,231)	-	(1,779,231)	\$13,595,966	36.057030%	\$4,902,302
159	General Taxes (Direct FERC)	\$0	-	-	-	-	1,779,231	-	1,779,231	\$1,779,231		\$0
160	<b>Total General Taxes</b>	\$15,375,197	-	-	-	-	-	-	-	\$15,375,197		\$4,902,302
161												
162	<b>Total Operating Expense Before Tax</b>	\$360,585,454	(506,032)	(68,871)	0	(503,517)	-	(88,136)	(1,166,557)	\$359,418,897		\$134,520,262
163												
164	<b>Net Operating Income Before Tax</b>	\$87,748,315	506,032	68,871	(0)	503,517	-	2,989	1,081,409	\$88,829,724		\$23,557,059
165												
166	<b>Wind Investment Tax Credit &amp; Production Tax Credit</b>											
167	Amortization of Prior Year Credit (EPIS)	-\$96,509	-	-	-	-	-	-	-	-\$96,509	37.482682%	-\$36,174
168	Production Tax Credits (EPIS)	-\$3,084,000	-	-	-	-	-	-	-	-\$3,084,000	37.482682%	-\$1,155,966
169	Investment Tax Credits (EPIS)	-\$1,306,827	-	-	-	-	-	-	-	-\$1,306,827	37.482682%	-\$489,834
170	Debits Utilized (EPIS)	\$0	-	-	-	-	-	-	-	\$0	37.482682%	\$0
171	<b>Total Wind Investment Tax Credit &amp; Production Tax Credit</b>	-\$4,487,336	-	-	-	-	-	-	-	-\$4,487,336		-\$1,681,974
172												
173	<b>Deferred Income Taxes</b>											
174	<i>Items SD Flows Through</i>											
175	Federal (NPMNR)	\$0	-	-	-	-	-	-	-	\$0	39.388008%	\$0
176	Minnesota (NPISM)	\$0	-	-	-	-	-	-	-	\$0		\$0
177	North Dakota (NPISN)	\$0	-	-	-	-	-	-	-	\$0	100.000000%	\$0
178	<i>Subtotal</i>	\$0	-	-	-	-	-	-	-	\$0		\$0
179	<i>All Other</i>											
180	Transfer of federal current income taxes due to NOL	\$0	-	-	-	-	-	-	-	\$0		\$0
181	Federal (NEPIS)	-\$403,737	-	-	-	-	-	-	-	-\$403,737	36.057030%	-\$145,575
182	Federal (NEPIS)	-\$403,737	-	-	-	-	-	-	-	-\$403,737		-\$145,575
183	Transfer of Minnesota current income taxes due to NOL	\$0	-	-	-	-	-	-	-	\$0		\$0
184	Minnesota (NPISM)	\$1,533,416	-	-	-	-	-	-	-	\$1,533,416		\$0
185	Minnesota (NPISM)	\$1,533,416	-	-	-	-	-	-	-	\$1,533,416		\$0
186	Transfer of North Dakota current income taxes due to NOL	\$576,107	-	-	-	-	-	-	-	\$576,107		\$573,151
187	North Dakota (NPISN)	\$894,033	-	-	-	-	-	-	-	\$894,033	100.000000%	\$894,033
188	North Dakota (NPISN)	\$1,470,140	-	-	-	-	-	-	-	\$1,470,140		\$1,467,184
189	<i>Subtotal</i>	\$2,599,820	-	-	-	-	-	-	-	\$2,599,820		\$1,321,609
190	<b>Total Deferred Income Taxes</b>	\$2,599,820	-	-	-	-	-	-	-	\$2,599,820		\$1,321,609
191												
192	<b>Current Income Taxes</b>											
193	Federal Current Income Tax Transfer due to NOL	\$0	-	-	-	-	-	-	-	\$0		\$0
194	Federal Current Income Tax	\$18,633,717	-	-	-	-	-	-	-	\$18,633,717		\$4,336,226
195	Federal Income Taxes	\$18,633,717	-	-	-	-	-	-	-	\$18,633,717		\$4,336,226
196	Minnesota Income Tax Transfer due to NOL	\$0	-	-	-	-	-	-	-	\$0		\$0
197	Minnesota Income Tax	\$2,612,469	-	-	-	-	-	-	-	\$2,612,469		\$0
198	Minnesota Income Taxes (Direct MN)	\$2,612,469	-	-	-	-	-	-	-	\$2,612,469		\$0
199	North Dakota Income Tax Transfer due to NOL	-\$577,409	-	-	-	-	-	-	-	-\$577,409		-\$573,151
200	North Dakota Income Tax	\$577,410	-	-	-	-	-	-	-	\$577,410		\$573,151
201	North Dakota Income Taxes (Direct ND)	\$0	-	-	-	-	-	-	-	\$0		\$0
202	<i>Subtotal State Income Taxes</i>	\$2,612,469	-	-	-	-	-	-	-	\$2,612,469		\$0
203	<b>Total Current Income Taxes</b>	\$21,246,187	-	-	-	-	-	-	-	\$21,246,187		\$4,336,226
204												
205	<b>Total Income Taxes</b>	\$19,358,671	-	-	-	-	-	-	-	\$19,358,671		\$3,975,861
206												
207	<b>Net Operating Income</b>	\$68,389,644	506,032	68,871	(0)	503,517	-	2,989	1,081,409	\$69,471,053		\$19,581,198
208												
209	Allowance for Funds Used During Construction	\$2,027,574	-	-	-	-	-	-	-	\$2,027,574		\$0
210	Allowance for Funds Used During Construction - MN Only	\$0	-	-	-	-	-	-	-	\$0		\$0
211	Allowance for Funds Used During Construction - SD Only	\$0	-	-	-	-	-	-	-	\$0		\$0
212	<b>Total Allowance for Funds Used During Construction</b>	\$2,027,574	-	-	-	-	-	-	-	\$2,027,574		\$0
213												
214	<b>Total Available for Return</b>	\$70,417,218	506,032	68,871	(1) - Workpaper B-14 (2) - Workpaper ND-01 (3) - Workpaper ND-04 (4) - Workpaper B-16 (5) - Workpaper ND-05 (6) - Workpaper ND-03 (7) - Workpaper ND-06	503,517	-	2,989	1,081,409	\$71,498,627		\$19,581,198

Volume 4A

B. 2018 Base Year Workpapers

4. Workpapers A-D, ND

Line No.	(A) FERC Acct #	(B) Plant Acct #	(C) Description	(D) December 2017	(E) January 2018	(F) February 2018	(G) March 2018	(H) April 2018	(I) May 2018	(J) June 2018
<b>INTANGIBLE PLANT</b>										
<b>TOTAL INTANGIBLE PLANT (Fercs 101 &amp; 106, Accts 302-303)</b>				9,264,332	9,264,332	9,264,332	10,158,410	10,216,452	10,277,460	10,325,938
<b>PRODUCTION PLANT</b>										
<b>STEAM GENERATION PLANT</b>										
Total Steam Generation (Fercs 101, 105 & 106, Accts 310-317)				576,719,066	576,719,066	576,719,066	576,817,952	576,921,628	576,930,285	577,009,573
Total Steam Big Stone AQCS (Accts 310-317)				(212,847)	(212,847)	(212,847)	(212,847)	(212,847)	(212,847)	(212,847)
Total Steam Production Plant (Ferc 114, Accts 310-317)				1,588,255	1,588,255	1,588,255	1,588,255	1,588,255	1,588,255	1,588,255
<b>Total Steam Production Plant</b>				\$578,094,474	\$578,094,474	\$578,094,474	\$578,193,360	\$578,297,036	\$578,305,693	\$578,384,981
<b>HYDRO GENERATION PLANT</b>										
<b>Total Hydro Generation Plant</b>				7,353,579	7,353,579	7,353,579	7,353,579	7,353,579	7,353,579	7,353,579
<b>OTHER GENERATION</b>										
<b>Total Internal Combustion</b>				42,110,337	42,110,337	42,110,337	42,110,337	42,110,337	42,110,337	42,140,537
<b>WIND GENERATION</b>										
<b>Total Wind Generation</b>				268,793,098	268,793,098	268,793,098	268,860,147	268,860,147	268,860,147	268,893,672
<b>Total Other Production</b>				310,903,435	310,903,435	310,903,435	310,970,485	310,970,485	310,970,485	311,034,209
<b>TOTAL PRODUCTION PLANT</b>				896,351,488	896,351,488	896,351,488	896,517,423	896,621,099	896,629,756	896,772,769
Less A/C 114				1,588,255	1,588,255	1,588,255	1,588,255	1,588,255	1,588,255	1,588,255
A/C 101 & 106				894,763,233	894,763,233	894,763,233	894,929,169	895,032,845	895,041,502	895,184,514
<b>TRANSMISSION PLANT</b>										
<b>Total Transmission (Fercs 101, 105 &amp; 106 Accts 350-358)</b>				504,809,297	505,094,296	505,442,382	506,843,288	506,858,431	506,910,803	507,967,746
Plant Held for Future Use				9,038	9,038	9,038	9,038	9,038	9,038	9,038
Total Big Stone Plant Acquisition Adjustment (Ferc 114, Accts 353, 355 & 356)				58,287	58,287	58,287	58,287	58,287	58,287	58,287
<b>Total Transmission Plant</b>				504,876,622	505,161,621	505,509,707	506,910,613	506,925,756	506,978,128	508,035,071
<b>DISTRIBUTION PLANT</b>										
Land and Land Rights (Fercs 101 & 106, Acct 360)				1,306,580	1,306,580	1,306,580	1,306,580	1,306,580	1,306,580	1,306,580
Station Equipment (Fercs 101 & 106, Acct 362)				89,656,752	89,698,933	89,720,914	90,637,480	90,686,261	90,770,489	92,424,584
Poles, Towers, Fixtures (Fercs 101 & 106, Acct 364)				72,151,424	72,161,512	72,168,745	72,175,978	72,182,260	72,188,541	72,202,341
Underground Conduit (Acct 365)				50,964,493	50,964,493	50,985,176	50,985,176	50,985,176	51,001,823	51,001,823
Underground Conductors (Fercs 101 & 106, Acct 367)				77,780,424	77,780,424	77,780,424	77,780,424	77,780,424	77,794,924	78,091,962
Line Transformers (Fercs 101 & 106, Acct 368)				96,183,040	96,183,040	96,183,040	96,183,040	96,183,040	96,183,040	96,183,040
Services (Fercs 101 & 106, Acct 369)				13,064,358	13,064,358	13,064,358	13,064,358	13,064,358	13,064,358	13,064,358
Underground Services (Fercs 101 & 106, Acct 369.1)				41,341,965	41,341,965	41,341,965	41,341,965	41,341,965	41,341,965	41,341,965
Meters (Fercs 101 & 106, Acct 370)				28,228,337	28,228,337	28,240,155	28,629,722	28,629,722	28,629,722	28,761,768
Load Management Switches (Fercs 101 & 106, Acct 370.1)				8,713,737	8,713,737	8,713,737	8,713,737	8,713,737	8,713,737	8,713,737
Interruption Monitors (Acct 370.2)				-	-	-	-	-	-	-
Installs Customer Premise (Acct 371)				-	-	-	-	-	-	-
All Other Private Lighting (Fercs 101 & 106, Acct 371.2)				4,882,393	4,882,393	4,882,393	4,882,393	4,882,393	4,882,393	4,882,393
Street Lighting (Fercs 101 & 106, Acct 373)				5,580,148	5,580,148	5,580,148	5,580,148	5,580,148	5,580,148	5,580,148
<b>Total Distribution Plant</b>				\$487,853,850	\$487,905,919	\$487,967,634	\$489,281,000	\$489,336,063	\$489,457,721	\$491,554,699
Plant Held for Future Use				20,619	20,619	20,619	20,619	20,619	20,619	20,619
Big Stone Plant Acquisition Adjustment				586	586	586	586	586	586	586
<b>Total Distribution Plant</b>				\$487,874,855	\$487,927,124	\$487,988,839	\$489,302,205	\$489,357,268	\$489,478,926	\$491,575,904
<b>GENERAL PLANT</b>										
Land				1,521,896	1,521,896	1,521,896	1,521,896	1,521,896	1,521,896	1,521,896
Structures & Improvements				20,076,204	20,076,204	20,076,204	21,289,604	21,289,604	21,300,269	21,960,586
General Office Buildings				5,718,958	5,718,958	5,718,958	5,718,958	5,718,958	5,718,958	5,719,648
Fleet Service Center Building				937,678	937,678	937,678	937,678	937,678	937,678	937,678
Central Stores Buildings				4,036,998	4,036,998	4,036,998	4,036,998	4,036,998	4,036,998	4,036,998
Office Furniture				1,087,283	1,087,283	1,087,283	1,080,112	1,080,112	1,080,112	1,072,941
Office Equipment				721,201	721,201	721,201	721,316	721,316	721,316	721,316
Duplicating Equipment				273,046	273,046	273,046	273,046	273,046	273,046	273,046
Engineering Computers				-	-	-	-	-	-	-
Business Computers				-	-	-	-	-	-	-
Computer Systems				3,077,724	3,077,724	3,077,724	3,128,139	3,128,139	3,128,139	3,154,769
Computer Related Equipment				866,605	866,605	866,605	866,605	866,605	866,605	866,605
Transportation Equipment				33,456,192	33,456,192	33,494,517	33,494,517	33,494,517	33,636,695	33,718,749
Stores Equipment				-	-	-	-	-	-	-
Tools, Shop & Garage Equipment				4,232,242	4,232,242	4,232,242	4,238,049	4,238,049	4,238,049	4,253,075
Central Stores Tools				-	-	-	-	-	-	-
AMR Equipment				617,570	617,570	617,570	617,570	617,570	617,570	617,570
Laboratory Equipment				-	-	-	-	-	-	-
Power-Operated Equipment				631,320	631,320	631,320	631,320	631,320	631,320	631,320
Communication Equipment & Communications Towers				3,053,205	3,053,205	3,053,205	3,072,290	3,072,290	3,072,290	3,097,426
Radio Tele-Communication Equipment				1,139,623	1,139,623	1,139,623	1,139,623	1,139,623	1,139,623	1,139,623
Microwave Equipment				4,409,130	4,409,130	4,409,130	4,409,130	4,409,130	4,409,130	4,409,130
Radio Load Control Equipment				317,859	317,859	317,859	317,859	317,859	317,859	317,859
Miscellaneous Equipment				-	-	-	-	-	-	-
<b>Total General Plant</b>				86,174,731	86,174,731	86,213,057	87,494,710	87,494,710	87,647,552	88,450,235
Plant Held for Future Use				28,657	28,657	28,657	28,657	28,657	28,657	28,657
Total Big Stone Plant Acquisition Adjustment				1,647,128	1,647,128	1,647,128	1,647,128	1,647,128	1,647,128	1,647,128
<b>Total Electric Plant</b>				1,984,542,029	1,984,879,296	1,985,327,423	1,990,383,361	1,990,615,285	1,991,011,822	1,995,159,917

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Line No.	FERC Acct #	Plant Acct # Description	July 2018	August 2018	September 2018	October 2018	November 2018	December 2018	13 Month Average
<b>INTANGIBLE PLANT</b>									
<b>TOTAL INTANGIBLE PLANT (Fercs 101 &amp; 106, Accts 302-303)</b>			18,221,138	18,221,138	18,221,138	18,221,138	18,221,138	18,870,520	\$13,749,805
<b>PRODUCTION PLANT</b>									
<b>STEAM GENERATION PLANT</b>									
Total Steam Generation (Fercs 101, 105 & 106, Accts 310-317)			577,763,870	578,202,881	578,557,996	578,976,585	579,229,225	580,251,897	\$577,755,315
Total Steam Big Stone AQCS (Accts 310-317)			(212,847)	(212,847)	(212,847)	(212,847)	(212,847)	(212,847)	(\$212,847)
Total Steam Production Plant (Ferc 114, Accts 310-317)			1,588,255	1,588,255	1,588,255	1,588,255	1,588,255	1,588,255	\$1,588,255
101		Total Steam Production Plant	\$579,139,278	\$579,578,289	\$579,933,404	\$580,351,993	\$580,604,633	\$581,627,305	\$579,130,723
<b>HYDRO GENERATION PLANT</b>									
Total Hydro Generation Plant			7,353,579	7,353,579	7,831,360	7,831,360	7,837,168	7,837,168	\$7,501,482
<b>OTHER GENERATION</b>									
Total Internal Combustion			42,140,537	42,140,537	42,178,699	42,178,699	42,906,716	42,944,246	\$42,253,230
<b>WIND GENERATION</b>									
Total Wind Generation			268,893,672	268,893,672	268,994,247	268,994,247	268,994,247	269,094,822	\$268,901,409
Total Other Production			311,034,209	311,034,209	311,172,947	311,172,947	311,900,963	312,039,068	311,154,639
<b>TOTAL PRODUCTION PLANT</b>			897,527,066	897,966,077	898,937,711	899,356,299	900,342,764	901,503,541	897,786,844
Less A/C 114			1,588,255	1,588,255	1,588,255	1,588,255	1,588,255	1,588,255	1,588,255
A/C 101 & 106			895,938,811	896,377,823	897,349,456	897,768,045	898,754,510	899,915,286	896,198,589
<b>TRANSMISSION PLANT</b>									
<b>Total Transmission (Fercs 101, 105 &amp; 106 Accts 350-358)</b>			507,990,118	508,127,368	509,190,168	511,857,889	514,596,450	525,040,513	\$509,286,827
105	350	Plant Held for Future Use	9,038	9,038	9,038	9,038	9,038	9,038	\$9,038
Total Big Stone Plant Acquisition Adjustment (Ferc 114, Accts 353, 355 & 356)			58,287	58,287	58,287	58,287	58,287	58,287	\$58,287
<b>Total Transmission Plant</b>			508,057,444	508,194,693	509,257,494	511,925,214	514,663,775	525,107,838	509,354,152
<b>DISTRIBUTION PLANT</b>									
101 & 106	360	Land and Land Rights (Fercs 101 & 106, Acct 360)	1,306,580	1,306,580	1,306,580	1,306,580	1,306,580	1,306,580	1,306,580
101 & 106	362	Station Equipment (Fercs 101 & 106, Acct 362)	92,452,794	92,480,003	93,898,526	94,163,027	94,332,697	108,517,672	\$93,033,856
101 & 106	364	Poles, Towers, Fixtures (Fercs 101 & 106, Acct 364)	72,211,477	72,211,477	72,211,477	72,211,477	72,211,477	72,211,477	\$72,192,282
101 & 106	365	Overhead Conductor (Fercs 101 & 106, Acct 365)	51,018,494	51,018,494	51,018,494	51,018,494	51,018,494	51,018,494	\$50,999,933
101 & 106	366	Underground Conduit (Acct 366)	-	-	-	-	-	-	-
101 & 106	367	Underground Conductors (Fercs 101 & 106, Acct 367)	78,098,058	78,102,953	78,279,129	78,280,514	78,280,514	78,351,218	\$78,013,953
101 & 106	368	Line Transformers (Fercs 101 & 106, Acct 368)	96,183,040	96,183,040	96,183,040	96,183,040	96,183,040	96,183,040	\$96,183,040
101 & 106	369	Services (Fercs 101 & 106, Acct 369)	13,064,358	13,064,358	13,064,358	13,064,358	13,064,358	13,064,358	\$13,064,358
101 & 106	369.1	Underground Services (Fercs 101 & 106, Acct 369.1)	41,341,965	41,341,965	41,341,965	41,341,965	41,341,965	41,341,965	\$41,341,965
101 & 106	370	Meters (Fercs 101 & 106, Acct 370)	26,761,768	26,761,768	26,898,530	26,898,530	26,898,530	26,898,530	\$26,655,902
101 & 106	370.1	Load Management Switches (Fercs 101 & 106, Acct 370.1)	8,713,737	8,713,737	8,713,737	8,713,737	8,713,737	8,713,737	\$8,713,737
101 & 106	370.2	Interruption Monitors (Acct 370.2)	-	-	-	-	-	-	-
101 & 106	371	Installs Customer Premise (Acct 371)	-	-	-	-	-	-	-
101 & 106	371.2	All Other Private Lighting (Fercs 101 & 106, Acct 371.2)	4,882,393	4,882,393	4,882,393	4,882,393	4,882,393	4,882,393	\$4,882,393
101 & 106	373	Street Lighting (Fercs 101 & 106, Acct 373)	5,580,148	5,580,148	5,580,148	5,580,148	5,580,148	5,580,148	\$5,580,148
<b>Total Distribution Plant</b>			\$491,614,812	\$491,646,917	\$493,378,377	\$493,844,264	\$493,813,934	\$508,130,919	\$491,989,147
105	360	Plant Held for Future Use	20,619	20,619	20,619	20,619	20,619	20,619	20,619
114	362	Big Stone Plant Acquisition Adjustment	586	586	586	586	586	586	586
<b>Total Distribution Plant</b>			\$491,636,017	\$491,668,122	\$493,399,592	\$493,865,469	\$493,835,139	\$508,152,124	\$491,989,352
<b>GENERAL PLANT</b>									
101 & 106	389	Land	1,521,896	1,521,896	1,521,896	1,521,896	1,521,896	1,521,896	1,521,896
101 & 106	390	Structures & Improvements	21,971,251	21,981,916	22,190,885	22,201,550	22,269,096	23,672,808	21,565,860
101 & 106	390.1	General Office Buildings	5,719,648	5,719,648	5,719,648	5,719,648	5,719,648	5,723,174	5,719,601
101	390.2	Fleet Service Center Building	937,678	937,678	937,678	937,678	937,678	937,678	937,678
101	390.3	Central Stores Buildings	4,036,998	4,036,998	4,036,998	4,036,998	4,036,998	4,036,998	4,036,998
101 & 106	391	Office Furniture	1,072,941	1,072,941	1,065,770	1,065,770	1,065,770	1,060,990	1,075,332
101 & 106	391.1	Office Equipment	721,316	721,316	721,316	721,316	721,316	721,316	721,289
101 & 106	391.2	Duplicating Equipment	273,046	273,046	273,046	273,046	273,046	273,046	273,046
101	391.3	Engineering Computers	-	-	-	-	-	-	-
101	391.4	Business Computers	-	-	-	-	-	-	-
101 & 106	391.5	Computer Systems	3,154,769	3,154,769	3,181,399	3,181,399	3,181,399	3,208,029	3,141,086
101 & 106	391.6	Computer Related Equipment	866,605	866,605	866,605	866,605	866,605	867,351	866,662
101	392 & 392.1	Transportation Equipment	33,730,746	33,737,899	33,715,101	34,400,592	34,413,770	34,393,803	33,780,253
101	393	Stores Equipment	-	-	-	-	-	-	-
101 & 106	394	Tools, Shop & Garage Equipment	4,253,075	4,253,075	4,270,388	4,270,388	4,270,388	4,310,640	4,253,223
101	394.1	Central Stores Tools	-	-	-	-	-	-	-
101	394.2	AMR Equipment	617,570	617,570	617,570	617,570	617,570	617,570	617,570
101	395	Laboratory Equipment	-	-	-	-	-	-	-
101	396	Power-Operated Equipment	631,320	631,320	631,320	631,320	631,320	631,320	631,320
101	397 & 397.4	Communication Equipment & Communications Towers	3,097,426	3,097,426	3,122,562	3,122,562	3,148,953	3,172,089	3,094,841
101	397.10	Radio Tele-Communication Equipment	1,139,623	1,139,623	1,139,623	1,144,948	1,144,948	1,188,131	1,144,250
101	397.2	Microwave Equipment	4,409,130	4,409,130	4,409,130	4,409,130	4,409,130	4,409,130	4,409,130
101	397.3	Radio Load Control Equipment	317,859	317,859	317,859	317,859	317,859	317,859	317,859
101	397.00	Miscellaneous Equipment	-	-	-	-	-	-	-
<b>Total General Plant</b>			88,472,897	88,490,715	88,738,793	89,440,274	89,545,390	91,064,826	88,107,894
105		Total Plant Held for Future Use	29,657	29,657	29,657	29,657	29,657	29,657	29,657
114		Total Big Stone Plant Acquisition Adjustment	1,647,128	1,647,128	1,647,128	1,647,128	1,647,128	1,647,128	1,647,128
<b>Total Electric Plant</b>			2,003,914,561	2,004,540,745	2,008,554,717	2,012,608,393	2,016,608,205	2,044,698,850	2,000,988,047

**Otter Tail Power Company  
Accumulated Depreciation - Production  
2018 Test Year**

(A)

(B)

Line No.	13-Month Average Reserve Balances	Total
1	Total Production FERC 108	386,254,368
2		
3	Plus: Hydro Licensing	1,159,036
4	Total Production-Related Accumulated Depr	<b>387,413,404</b>
5	Less: Wind	98,847,014
6		
8	Total Demand	<b>288,566,390</b>
9		
10		
11		
12	Base Demand	235,845,311
13		
14	Peak Demand	75,485,547
15		
16	Base Energy	76,082,546
17		
18	Total Production	<b>387,413,404</b>

	<b>Peak</b>	<b>Base</b>
2018 Excluding Wind	18.27%	81.73%
2018 Wind	23.03%	76.97%

Line No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
<b>Ending Accumulated Depreciation:</b>										
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	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
Line No.	FERC	Acct	July	August	September	October	November	December	13 Month Average		
<b>Ending Accumulated Depreciation:</b>											
1	108	1785	\$ 260,082,194	\$ 261,264,370	\$ 262,435,239	\$ 263,613,453	\$ 264,850,897	\$ 265,822,482	\$	258,774,347	
2	115	1799	\$ 1,588,255	\$ 1,588,255	\$ 1,588,255	\$ 1,588,255	\$ 1,588,255	\$ 1,588,255	\$	1,588,255	
3	108	1785	\$ 5,040,815	\$ 5,083,979	\$ 5,097,069	\$ 5,142,818	\$ 5,188,346	\$ 5,234,131	\$	4,989,561	
4	108	1785	\$ 22,199,819	\$ 22,286,489	\$ 22,356,895	\$ 22,443,627	\$ 22,156,101	\$ 22,228,667	\$	22,055,192	
5	108	1785	\$ 99,777,964	\$ 100,705,569	\$ 101,583,749	\$ 102,511,705	\$ 103,439,661	\$ 104,318,191	\$	98,847,014	
6			\$ 388,689,047	\$ 390,928,662	\$ 393,061,207	\$ 395,299,858	\$ 397,223,259	\$ 399,191,726	\$	386,254,368	
7											
8											
9	108	1785	\$ 127,242,948	\$ 127,997,314	\$ 128,719,943	\$ 129,466,968	\$ 130,106,161	\$ 130,862,212	\$	126,497,589	
10	115	1799	\$ 58,287	\$ 58,287	\$ 58,287	\$ 58,287	\$ 58,287	\$ 58,287	\$	58,287	
11			\$ 127,301,235	\$ 128,055,602	\$ 128,778,231	\$ 129,525,255	\$ 130,164,448	\$ 130,920,499	\$	126,555,876	
12											
13	108	1785	\$ 215,086,308	\$ 216,059,227	\$ 216,701,420	\$ 217,678,292	\$ 218,618,518	\$ 219,445,083	\$	214,313,927	
14	115	1799	\$ 586	\$ 586	\$ 586	\$ 586	\$ 586	\$ 586	\$	586	
15			\$ 215,086,894	\$ 216,059,813	\$ 216,702,006	\$ 217,678,878	\$ 218,619,104	\$ 219,445,669	\$	214,314,513	
16											
17	108	1785	\$ 18,990,449	\$ 19,179,713	\$ 19,248,231	\$ 19,410,844	\$ 19,524,858	\$ 18,316,044	\$	18,757,630	
18	108	1785	\$ 16,436,589	\$ 16,587,064	\$ 16,782,625	\$ 15,912,746	\$ 16,057,627	\$ 16,252,430	\$	16,203,406	
19	108	1785	\$ 35,427,038	\$ 35,766,777	\$ 36,030,856	\$ 35,323,590	\$ 35,582,485	\$ 34,568,473	\$	34,961,036	
20											
21	111	1790	\$ 1,162,529	\$ 1,166,022	\$ 1,169,515	\$ 1,173,008	\$ 1,176,501	\$ 1,179,995	\$	1,159,036	
22	111	1790	\$ (1,834,438)	\$ (1,552,451)	\$ (1,270,465)	\$ (988,479)	\$ (706,493)	\$ (993,137)	\$	2,092,400	
23	111	1790	\$ (671,908)	\$ (386,429)	\$ (100,950)	\$ 184,529	\$ 470,008	\$ 186,858	\$	3,251,436	
24											
25			\$ 765,832,306	\$ 770,424,425	\$ 774,471,350	\$ 778,012,109	\$ 782,059,304	\$ 784,313,225	\$	765,337,229	
26			Power Plant Depr 1033 Report, Filter Out: GL Account 1786 - Acum Depr - ARO								
27											
28	<b>Reconcile Power Plant to Ledger:</b>										
29			\$ (5,726,538)	\$ (5,726,538)	\$ (5,726,538)	\$ (5,726,538)	\$ (5,726,538)	\$ (5,726,538)	\$	(5,726,538)	
30			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	
31			\$ (1,670,783)	\$ (1,810,727)	\$ (1,950,765)	\$ (2,090,872)	\$ (2,231,050)	\$ (2,371,272)	\$	(1,531,285)	
32			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	
33			\$ 758,434,984	\$ 762,887,159	\$ 766,794,047	\$ 770,194,699	\$ 774,101,716	\$ 776,215,415	\$	758,079,405	
34											
35			\$ (757,459,765)	\$ (761,626,460)	\$ (765,247,869)	\$ (768,363,042)	\$ (771,984,580)	\$ (774,381,429)	\$	(753,180,841)	
36			\$ 671,908	\$ 386,429	\$ 100,950	\$ (184,529)	\$ (470,008)	\$ (186,858)	\$	(3,251,436)	
37			\$ (1,647,128)	\$ (1,647,128)	\$ (1,647,128)	\$ (1,647,128)	\$ (1,647,128)	\$ (1,647,128)	\$	(1,647,128)	
38			\$ (758,434,984)	\$ (762,887,159)	\$ (766,794,047)	\$ (770,194,699)	\$ (774,101,716)	\$ (776,215,415)	\$	(758,079,405)	
39			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	
40	<b>Reconcile Ledger to Financial Statements:</b>										
41			\$ (984,535)	\$ (994,525)	\$ (1,004,515)	\$ (1,014,505)	\$ (1,024,494)	\$ (1,034,484)	\$	(974,546)	
42			\$ (759,419,520)	\$ (763,881,684)	\$ (767,798,562)	\$ (771,209,203)	\$ (775,126,210)	\$ (777,249,898)	\$	(759,053,951)	
43			\$ (759,419,520)	\$ (763,881,684)	\$ (767,798,562)	\$ (771,209,203)	\$ (775,126,210)	\$ (777,249,898)	\$	(759,053,951)	
44			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	
45			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	
46	<b>PRODUCTION A/D BREAKDOWN FOR INPUT SUMMARY</b>										
47			\$ 388,689,047	\$ 390,928,662	\$ 393,061,207	\$ 395,299,858	\$ 397,223,259	\$ 399,191,726	\$	386,254,368	
48			\$ 1,162,529	\$ 1,166,022	\$ 1,169,515	\$ 1,173,008	\$ 1,176,501	\$ 1,179,995	\$	1,159,036	
49			\$ 389,851,576	\$ 392,094,684	\$ 394,230,722	\$ 396,472,866	\$ 398,399,760	\$ 400,371,720	\$	387,413,404	
50											
51			\$ 99,777,964	\$ 100,705,569	\$ 101,583,749	\$ 102,511,705	\$ 103,439,661	\$ 104,318,191	\$	98,847,014	
52											
53			\$ 290,073,613	\$ 291,389,115	\$ 292,646,973	\$ 293,961,161	\$ 294,960,100	\$ 296,053,529	\$	288,566,390	
54											
55			18.27%	18.27%	18.27%	18.27%	18.27%	18.27%		18.27%	
56			23.03%	23.03%	23.03%	23.03%	23.03%	23.03%		23.03%	
57			\$ 237,077,164	\$ 238,152,324	\$ 239,180,371	\$ 240,254,457	\$ 241,070,890	\$ 241,964,550	\$	235,845,311	
58			\$ 75,975,314	\$ 76,429,284	\$ 76,861,339	\$ 77,315,150	\$ 77,711,364	\$ 78,113,459	\$	75,485,547	
59			\$ 76,799,099	\$ 77,513,077	\$ 78,189,012	\$ 78,903,259	\$ 79,617,507	\$ 80,293,712	\$	76,082,546	
60			\$ 389,851,576	\$ 392,094,684	\$ 394,230,722	\$ 396,472,866	\$ 398,399,760	\$ 400,371,720	\$	387,413,404	

Line No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
		2017 December	2018 January	February	March	April	May	June
1	<b>Short Term Projects:</b>							
2	<b>Production</b>							
3	Actual Balance	0	0	0	0	0	0	0
4	Remove Reimbursable CWIP	0	0	0	0	0	0	0
5	Adjusted Balance	0	0	0	0	0	0	0
6								
7	<b>Transmission</b>							
8	Actual Balance	73,200	134,200	195,200	256,200	372,100	488,000	603,900
9	Remove Reimbursable CWIP	0	0	0	0	0	0	0
10	Adjusted Balance	73,200	134,200	195,200	256,200	372,100	488,000	603,900
11								
12	<b>Distribution</b>							
13	Actual Balance	0	0	0	0	0	0	0
14	Remove Reimbursable CWIP	0	0	0	0	0	0	0
15	Adjusted Balance	0	0	0	0	0	0	0
16								
17	<b>General</b>							
18	Actual Balance	0	310,076	733,218	180,233	399,309	1,421,605	1,676,447
19	Remove Reimbursable CWIP	0	0	0	0	0	0	0
20	Adjusted Balance	0	310,076	733,218	180,233	399,309	1,421,605	1,676,447
21								
22	<b>Intangible</b>							
23	Actual Balance	0	0	0	0	0	0	0
24	Remove Reimbursable CWIP	0	0	0	0	0	0	0
25	Adjusted Balance	0	0	0	0	0	0	0
26								
27	<b>Total Short Term Projects:</b>							
28	Actual Balance	73,200	444,276	928,418	436,433	771,409	1,909,605	2,280,347
29	Remove Reimbursable CWIP	0	0	0	0	0	0	0
30	Adjusted Balance	73,200	444,276	928,418	436,433	771,409	1,909,605	2,280,347
31								
32	<b>Long Term Projects</b>							
33	<b>Production</b>							
34	Actual Balance	10,440,891	11,585,213	12,512,547	12,994,186	13,550,434	14,852,895	15,762,165
35	Remove Reimbursable CWIP	0	0	0	0	0	0	0
36	Adjusted Balance	10,440,891	11,585,213	12,512,547	12,994,186	13,550,434	14,852,895	15,762,165
37								
38	<b>Transmission</b>							
39	Actual Balance	90,991,019	96,756,085	101,100,349	102,785,282	105,244,398	109,120,141	111,107,936
40	Remove Reimbursable CWIP	0	0	0	0	0	0	0
41	Adjusted Balance	90,991,019	96,756,085	101,100,349	102,785,282	105,244,398	109,120,141	111,107,936
42								
43	<b>Distribution</b>							
44	Actual Balance	764,558	1,424,183	2,318,763	2,226,112	3,074,766	4,978,658	5,140,032
45	Remove Reimbursable CWIP	0	0	0	0	0	0	0
46	Adjusted Balance	764,558	1,424,183	2,318,763	2,226,112	3,074,766	4,978,658	5,140,032
47								
48	<b>General</b>							
49	Actual Balance	2,079,094	2,528,428	2,735,243	1,425,348	1,723,396	2,339,980	2,452,156
50	Remove Reimbursable CWIP	0	0	0	0	0	0	0
51	Adjusted Balance	2,079,094	2,528,428	2,735,243	1,425,348	1,723,396	2,339,980	2,452,156
52								
53	<b>Intangible</b>							
54	Actual Balance	11,884,886	12,386,715	13,103,774	13,556,316	14,318,181	14,719,035	15,121,470
55	Remove Reimbursable CWIP	0	0	0	0	0	0	0
56	Adjusted Balance	11,884,886	12,386,715	13,103,774	13,556,316	14,318,181	14,719,035	15,121,470
57								
58	<b>Total Long Term Projects:</b>							
59	Actual Balance	116,160,449	124,680,624	131,770,676	132,987,244	137,911,174	146,010,709	149,583,758
60	Remove Reimbursable CWIP	0	0	0	0	0	0	0
61	Adjusted Balance	116,160,449	124,680,624	131,770,676	132,987,244	137,911,174	146,010,709	149,583,758
62								
63	<b>Total Adjusted CWIP Balance</b>	116,233,649	125,124,900	132,699,095	133,423,678	138,682,583	147,920,313	151,864,105

Line No.	(A)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
	July	August	September	October	November	December	13-Month Average	
1	<b>Short Term Projects:</b>							
2	<b>Production</b>							
3	Actual Balance	0	0	0	0	0	0	0
4	Remove Reimbursable CWIP	0	0	0	0	0	0	0
5	Adjusted Balance	0	0	0	0	0	0	0
6	<b>Transmission</b>							
7	Actual Balance	719,800	835,700	951,600	1,067,500	1,183,400	1,299,300	629,238
8	Remove Reimbursable CWIP	0	0	0	0	0	0	0
9	Adjusted Balance	719,800	835,700	951,600	1,067,500	1,183,400	1,299,300	629,238
10	<b>Distribution</b>							
11	Actual Balance	0	0	0	0	215,363	0	16,566
12	Remove Reimbursable CWIP	0	0	0	0	0	0	0
13	Adjusted Balance	0	0	0	0	215,363	0	16,566
14	<b>General</b>							
15	Actual Balance	1,998,233	2,360,391	2,026,060	634,992	486,985	0	940,581
16	Remove Reimbursable CWIP	0	0	0	0	0	0	0
17	Adjusted Balance	1,998,233	2,360,391	2,026,060	634,992	486,985	0	940,581
18	<b>Intangible</b>							
19	Actual Balance	0	0	0	0	0	0	0
20	Remove Reimbursable CWIP	0	0	0	0	0	0	0
21	Adjusted Balance	0	0	0	0	0	0	0
22	<b>Total Short Term Projects:</b>							
23	Actual Balance	2,718,033	3,196,091	2,977,660	1,702,492	1,885,748	1,299,300	1,586,386
24	Remove Reimbursable CWIP	0	0	0	0	0	0	0
25	Adjusted Balance	2,718,033	3,196,091	2,977,660	1,702,492	1,885,748	1,299,300	1,586,386
26	<b>Long Term Projects</b>							
27	<b>Production</b>							
28	Actual Balance	16,153,375	17,305,549	18,057,599	18,910,358	18,827,145	17,641,251	15,276,431
29	Remove Reimbursable CWIP	0	0	0	0	0	0	0
30	Adjusted Balance	16,153,375	17,305,549	18,057,599	18,910,358	18,827,145	17,641,251	15,276,431
31	<b>Transmission</b>							
32	Actual Balance	115,113,054	119,216,424	121,901,307	122,339,972	121,316,944	112,272,232	109,943,473
33	Remove Reimbursable CWIP	0	0	0	0	0	0	0
34	Adjusted Balance	115,113,054	119,216,424	121,901,307	122,339,972	121,316,944	112,272,232	109,943,473
35	<b>Distribution</b>							
36	Actual Balance	6,951,963	9,033,020	10,049,674	12,116,073	13,617,319	1,533,738	5,632,989
37	Remove Reimbursable CWIP	0	0	0	0	0	0	0
38	Adjusted Balance	6,951,963	9,033,020	10,049,674	12,116,073	13,617,319	1,533,738	5,632,989
39	<b>General</b>							
40	Actual Balance	2,807,007	3,312,157	3,507,022	3,765,449	4,061,730	1,128,843	2,605,066
41	Remove Reimbursable CWIP	0	0	0	0	0	0	0
42	Adjusted Balance	2,807,007	3,312,157	3,507,022	3,765,449	4,061,730	1,128,843	2,605,066
43	<b>Intangible</b>							
44	Actual Balance	696,690	733,318	770,103	807,047	844,149	0	7,610,899
45	Remove Reimbursable CWIP	0	0	0	0	0	0	0
46	Adjusted Balance	696,690	733,318	770,103	807,047	844,149	0	7,610,899
47	<b>Total Long Term Projects:</b>							
48	Actual Balance	141,722,090	149,600,469	154,285,705	157,938,900	158,667,286	132,576,063	141,068,858
49	Remove Reimbursable CWIP	0	0	0	0	0	0	0
50	Adjusted Balance	141,722,090	149,600,469	154,285,705	157,938,900	158,667,286	132,576,063	141,068,858
51	<b>Total Adjusted CWIP Balance</b>	<b>144,440,123</b>	<b>152,796,560</b>	<b>157,263,365</b>	<b>159,641,392</b>	<b>160,553,034</b>	<b>133,875,363</b>	<b>142,655,243</b>

Otter Tail Power Company  
Material & Supplies  
2018 Test Year

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Line No.				(1) Production	(2) Transmission	(3) Distribution	(4) Emission Allowance	(5) All Other	Total
1	December	End	2017	6,210,529	5,253,000	8,034,000	19,903	300,000	19,817,432
2	January	End	2018	6,210,529	5,201,500	8,034,000	19,903	300,000	19,765,932
3	February	End	2018	6,210,529	5,201,500	7,982,500	19,903	300,000	19,714,432
4	March	End	2018	6,210,529	5,304,500	8,188,500	19,903	300,000	20,023,432
5	April	End	2018	6,210,529	5,410,590	8,646,335	19,903	300,000	20,587,357
6	May	End	2018	6,210,529	5,463,635	8,328,065	19,903	300,000	20,322,132
7	June	End	2018	6,210,529	5,410,590	8,381,110	19,903	300,000	20,322,132
8	July	End	2018	6,210,529	5,304,500	8,168,930	19,903	300,000	20,003,862
9	August	End	2018	6,210,529	5,304,500	8,168,930	19,903	300,000	20,003,862
10	September	End	2018	6,210,529	5,410,590	8,168,930	19,903	300,000	20,109,952
11	October	End	2018	6,210,529	5,410,590	8,168,930	19,903	300,000	20,109,952
12	November	End	2018	6,210,529	5,410,590	8,275,020	19,903	300,000	20,216,042
13	December	End	2018	6,210,529	5,410,590	8,275,020	19,903	300,000	20,216,042
14	<b>Total</b>			<b>80,736,872</b>	<b>69,496,675</b>	<b>106,820,270</b>	<b>258,742</b>	<b>3,900,000</b>	<b>261,212,559</b>
15	'13 Month Average			<b>6,210,529</b>	<b>5,345,898</b>	<b>8,216,944</b>	<b>19,903</b>	<b>300,000</b>	<b>20,093,274</b>
16	Allocate "All Other" to T & D				118,254	181,746		300,000	
17	<b>Average Total for Input Summary</b>			<b>6,210,529</b>	<b>5,464,152</b>	<b>8,398,690</b>	<b>19,903</b>	<b>0</b>	<b>20,093,274</b>

- (1) Wind, BS, Coyote and Solway
- (2) Energy Delivery
- (3) Cental Stores
- (4) Emission Allowance Inventory
- (5) Fleet Service Center

Otter Tail Power Company  
Prepayments  
2018 Test Year

(A)		(B)	(C)	(D)	(E)
Line		Prepaid Insurance & Interest Total FERC 1650	Post Retirement Benefits other than Pension (FAS 106)	Post Employment Benefits	FAS 87 Pension Plan
1	December 2017	1,164,188	(62,999,729)	(1,401,725)	32,421,797
2	January 2018	2,502,907	(62,613,855)	(1,435,631)	31,109,339
3	February 2018	2,226,334	(62,227,981)	(1,469,537)	29,792,108
4	March 2018	1,941,519	(61,714,077)	(1,503,444)	28,478,515
5	April 2018	3,542,706	(61,328,203)	(1,537,350)	27,162,708
6	May 2018	3,239,346	(60,942,329)	(1,571,256)	25,846,900
7	June 2018	2,936,552	(60,428,424)	(1,605,162)	24,532,634
8	July 2018	2,667,685	(60,042,551)	(1,639,069)	23,217,844
9	August 2018	2,366,448	(59,656,677)	(1,672,975)	21,901,843
10	September 2018	2,065,900	(59,142,772)	(1,706,881)	20,586,036
11	October 2018	1,799,115	(58,756,898)	(1,740,787)	19,270,184
12	November 2018	1,498,604	(58,371,024)	(1,774,694)	17,953,964
13	December 2018	1,198,096	(58,369,242)	(1,808,600)	16,636,205
14	<b>Total</b>	<b>29,149,400</b>	<b>(786,593,762)</b>	<b>(20,867,110)</b>	<b>318,910,079</b>
15	<b>13 Month Average</b>	<b>2,242,262</b>	<b>(60,507,212)</b>	<b>(1,605,162)</b>	<b>24,531,545</b>
16					
17	<b>Total Prepayments in Rate Base</b>	<b>(\$35,338,569)</b>			

Otter Tail Power Company  
Accumulated Deferred Income Tax  
2018 Test Year  
(OTP Total)

	(A)	(B)	(C)	(D)
		12/31/2017	12/31/2018	Average
1	Accumulated Deferred Income Taxes			
2	Items SD Flows Through			
3	Federal	435,531	435,531	435,531
4	Minnesota	72,069	72,069	72,069
5	North Dakota	35,772	35,772	35,772
6	Subtotal	543,371	543,371	543,371
7				
8	All Other			
9	Federal (above the line including Wind)	(200,636,706)	(216,960,345)	(208,798,526)
10	Minnesota (above the line)	(32,443,938)	(34,054,163)	(33,249,051)
11	North Dakota (above the line including Wind)	(36,972,082)	(36,584,634)	(36,778,358)
12	Subtotal	(270,052,726)	(287,599,143)	(278,825,934)
13	Total Accumulated Deferred Income Taxes	(269,509,355)	(287,055,772)	(278,282,563)

Otter Tail Power Company  
Customer Advances (Prepaid Electric Revenue)  
2018 Test Year

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
	FERC Account 253.0											
Line No.	YEAR	MONTH	CO	BU	CC	ACCT	SUB	ACTY	PROJ	FERC1	FERC2	YTD-BAL
1	2017	12	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
2	2018	1	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
3	2018	2	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
4	2018	3	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
5	2018	4	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
6	2018	5	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
7	2018	6	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
8	2018	7	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
9	2018	8	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
10	2018	9	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
11	2018	10	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
12	2018	11	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
13	2018	12	100	30	0000	2590	3000	0000	000000	25300	00000	(1,013,988)
14												
15	<b>13-Month Average</b>											<b><u>(1,013,988)</u></b>

**Otter Tail Power Company  
Cash Working Capital - Cost of Energy Adjustment Revenues  
2018 Test Year**

Line No.	(A) Year	(B) State	(C) Sum of COE Adj
1	2018	MN	\$1,366,888
2	2018	ND	(\$4,964,982)
3	2018	SD	\$10,945,102
4			\$7,347,008
5		FERC	\$23,428
6		Total	\$7,370,436

**Otter Tail Power Company  
Coal & Oil Expense  
2018 Test Year**

(A) (B) (C)

Line No.	(A)	(B)	(C)
1		<b>Lignite/Subituminous</b>	<b>Oil/Nat Gas/TDF</b>
2		<b>Consumed</b>	<b>Consumed</b>
3	Total	53,199,333	1,076,597
4			
5			
6	Total Oil, Natural Gas and Lignite		54,275,930
7			
8			
9	<b><u>Reconciliation:</u></b>		
10	A/C 5010.0002 Noncontractual Sales		0
11	A/C 5010.1000 Lignite		21,745,748
12	A/C 5010.2000 Subbituminous		31,453,585
13	A/C 5010.3000 TDF		0
14	A/C 5010.5000 Fuel Oil		1,076,597
15	A/C 5010.6000 RRM		0
16	A/C 5010.7000 Natural Gas		0
17	Total		54,275,930
18			
19	FERC Financial Statement		
20	Production Fuel		54,275,930
21			
22			54,275,930
23	Difference from FERC F/S		0
24	Difference from above		(0)

Otter Tail Power Company  
Coal Conversion Tax  
2018 Test Year  
(OTP Total)

(A) (B) (C)

Line No.		Amount	Percentage
1	Property Taxes	\$15,375,197	100.0000%
2			
3	Coal Conversion Taxes	753,590	4.9013%
4			
5	All Other	\$14,621,607	95.0987%
6			

**Otter Tail Power Company  
Cash Balances  
2018 Test Year  
(OTP Total)**

(A)

(B)

Line No.	Minimum Bank Balances:	Amount
1	Dec '17	9,800
2	Jan '18	9,800
3	Feb	9,800
4	Mar	9,800
5	Apr	9,800
6	May	9,800
7	Jun	9,800
8	Jul	9,800
9	Aug	9,800
10	Sep	9,800
11	Oct	9,800
12	Nov	9,800
13	Dec '18	9,800
14		
15	Total	127,400
16		
17	Average	9,800
18		
19		
20	<u>Compensating Balances:</u>	None
21		
22	<u>Minimum Average Daily Bank Balances:</u>	0
23		
24		
25	Total Cash Balances:	9,800
26		

**Otter Tail Power Company  
Cash Balances  
2018 Test Year**

(A)

(B)

Line No.	Minimum Daily Bank Balances:	Amount
1	December 2017	0
2	January	0
3	February	0
4	March	0
5	April	0
6	May	0
7	June	0
8	July	0
9	August	0
10	September	0
11	October	0
12	November	0
13	December	0
14		
15	Total	0
16		
17	Average	0

Otter Tail Power Company  
Minimum Bank Balances  
2018 Test Year  
(OTP Total)

(A) (B) (C) (D)

Minimum Bank Balances

Line No.	Customer Service Centers	Bank	Town	Minimum Balance
1	Fergus Falls			
2	Devils Lake			
3	Morris	Riverwood Bank	Morris	\$ 2,500
4	Oakes	Starion Financial	Oakes	-
5		Sargent County Bank	Forman	-
6		Bremer Bank	Lisbon	-
7	Rugby	Merchants Bank	Rugby	2,500
8		First Security Bank	Canby	
9	Bemidji	First National Bank	Bemidji	500
10	Crookston	Bremer Bank	Crookston	-
11	Garrison	Garrison State Bank	Garrison	1,000
12	Milbank	First Bank & Trust	Milbank	1,000
13				
14	<b>Other Accounts:</b>			
15	Manitoba Hydro Acct	US Bank	Manitoba	300
16				
17	<b>Total</b>			<b>\$ 7,800</b>

Otter Tail Power Company  
Working Funds  
2018 Test Year

(A) (B) (C) (D)

Line No.	Working Funds (Accounts 135.0, 135.1, 135.2, 135.3, 135.4/1075.0000)			Monthly Balances
1	December	End	2017	12,462
2	January	End	2018	12,462
3	February	End	2018	12,462
4	March	End	2018	12,462
5	April	End	2018	12,462
6	May	End	2018	12,462
7	June	End	2018	12,462
8	July	End	2018	12,462
9	August	End	2018	12,462
10	September	End	2018	12,462
11	October	End	2018	12,462
12	November	End	2018	12,462
13	December	End	2018	12,462
14	<b>Total</b>			<b>162,000</b>
15	<b>Average</b>			<b>12,462</b>

**Otter Tail Power Company  
Special Deposits  
2018 Test Year  
(OTP Total)**

(A)                      (B)                      (C)                      (D)

Line No.	<b>Special Deposits (Accounts 132.0, 134.0/1050.0000)</b>			<b>Monthly Balances</b>
1	December	End	2017	6,398,300
2	January	End	2018	6,398,300
3	February	End	2018	6,398,300
4	March	End	2018	6,398,300
5	April	End	2018	6,398,300
6	May	End	2018	6,398,300
7	June	End	2018	6,398,300
8	July	End	2018	6,398,300
9	August	End	2018	6,398,300
10	September	End	2018	6,398,300
11	October	End	2018	6,398,300
12	November	End	2018	6,398,300
13	December	End	2018	6,398,300
14	<b>Total</b>			<b>83,177,901</b>
15	<b>Average</b>			<b>6,398,300</b>

**Otter Tail Power Company  
Tax Collections Available  
2018 Test Year  
(OTP Total)**

(A)

(B)

Line No.		
1	Employee FICA Withholding	\$ 5,161,622
2		
3	Employee Federal Withholding	\$ 8,400,904
4		
5	Employee State Withholding - Minnesota	\$ 1,896,891
6		
7	Employee State Withholding - North Dakota	\$ 197,161
8		
9		
10	<b><u>Customer Sales Tax:</u></b>	
11	Minnesota	\$ 9,417,230
12	North Dakota	\$ 143
13	South Dakota	\$ 1,268,662
14		
15	<b>Total Sales Tax</b>	<b>\$ 10,686,035</b>
16		
17		
18	<b>Franchise Taxes</b>	<b>\$ 1,649,127</b>

**Otter Tail Power Company  
Tax Collections Available  
2018 Test Year  
(OTP Total)**

(A)                      (B)                      (C)

Line No.	Sales taxes		
	MN	ND	SD
1			
2			
3	\$9,417,230	\$143	\$1,268,662
4			
5			
6	Franchise taxes	1,649,127	

**Otter Tail Power Company  
Fuel Stocks  
2018 Test Year  
(OTP Total)**

(A)                      (B)                      (C)                      (D)                      (E)                      (F)

Line No.				Coal Stocks	Oil & Other** Stocks	Total
1	December	End	2017	9,170,795	2,739,334	11,910,129
2	January	End	2018	9,204,451	2,805,798	12,010,249
3	February	End	2018	9,121,624	2,783,586	11,905,210
4	March	End	2018	8,864,613	2,691,711	11,556,324
5	April	End	2018	8,639,788	2,647,273	11,287,061
6	May	End	2018	8,641,703	2,522,231	11,163,934
7	June	End	2018	8,479,791	2,402,002	10,881,792
8	July	End	2018	8,118,014	2,378,959	10,496,973
9	August	End	2018	8,252,822	2,381,847	10,634,670
10	September	End	2018	8,796,167	2,451,507	11,247,673
11	October	End	2018	9,170,326	2,786,615	11,956,941
12	November	End	2018	9,417,918	2,860,689	12,278,607
13	December	End	2018	9,468,460	2,820,764	12,289,223
14	<b>Total</b>			<b>115,346,471</b>	<b>34,272,315</b>	<b>149,618,786</b>
15	<b>Average</b>			<b>8,872,805</b>	<b>2,636,332</b>	<b>11,509,137</b>

\*\*Propane, Tire Derived Fuel, Renewable Resource Fuel and Natural Gas

**Otter Tail Power Company  
Retail Revenue  
2018 Test Year  
(OTP Total)**

(A)

(B)

Line No.		
1	Minnesota	208,270,496
2		
3	North Dakota	148,037,071
4		
5	South Dakota	33,708,506
6		
7	Total Retail Revenue	<u>390,016,073</u>
8		
9		
10		
11		
12		
13		
14	2018 Base revenue-MN	220,042,492
15	Plus: Unbilled Revenue, incremental change, Stat Report, Page	(112,323)
16	Plus: Incremental Unbilled FCA Receivable Revenue	(4,417,316)
17	Plus: TCR Revenue Accrued and Not Yet Billed	1,141,524
18	Plus: ECR Revenue Accrued and Not Yet Billed	1,596,767
19	Plus: Miscellaneous - MN Fuel Receivable for Unbilled	35,114
20	Less: RRA Revenue Accrued in Prior Year	(1,250,200)
21	Less: CIP/EEP PY Accrued Revenue to Match Expense	(8,765,563)
22	Less: amount of interim rates refunded	-
23	Less: rate case revenue reduction	-
24	<b>MINNESOTA REVENUE FOR COSS</b>	<b><u>208,270,496</u></b>
25		
26	2018 Base revenue-ND	150,329,123
27	Plus: Unbilled Revenue, incremental change, Stat Report, Page	(38,465)
28	Plus: Incremental Unbilled FCA Receivable Revenue	(1,318,888)
30	Plus: TCR Revenue Accrued and Not Yet Billed	311,132
31	Plus: ECR Revenue Accrued and Not Yet Billed	(257,270)
29	Less: RRA Revenue Accrued in Prior Year	(988,561)
32	Less: BSPII Revenue Accrued in Prior Year	-
33	<b>NORTH DAKOTA REVENUE FOR COSS</b>	<b><u>148,037,071</u></b>
34		
35	2018 Base revenue-SD	33,921,381
36	Plus: Unbilled Revenue, incremental change, Stat Report, Page	(2,427)
37	Plus: Incremental Unbilled FCA Receivable Revenue	(335,151)
38	Plus: TCR Revenue Accrued and Not Yet Billed	103,569
39	Plus: ECR Revenue Accrued and Not Yet Billed	188,373
40	Plus: Accrued SD EEP Revenue	(167,238)
41	<b>SOUTH DAKOTA REVENUE FOR COSS</b>	<b><u>33,708,506</u></b>
42		

**Otter Tail Power Company  
Sales For Resale  
2018 Test Year  
(OTP Total)**

(A)

(B)

(C)

Line No.	<b>Total Sales For Resale:</b>	<b>Detail</b>	<b>Totals</b>
1	Requirements Service to Municipals	198,999	
2	Asset Based Wholesale Sales	100,174	
3	<b>Total Sales For Resale</b>		299,172

Otter Tail Power Company  
Other Electric Revenues  
2018 Test Year  
(OTP Total)

(A) (B) (C)

Line No.	(A)	(B)	(C)
	<b>Late Charges (450)</b>		
1	MN	332,503	
2	ND	277,669	
3	SD	95,499	
4	Total Late Charges		705,671
5			
6	<b>Connection Fees (452.1)</b>		
7	MN	189,927	
8	ND	135,015	
9	SD	28,952	
10	Total Connection Fees		353,894
11			
12	Rent From Electric Property (includes Hoot Lake)	568,008	
13	Rent From Electric Property - Big Stone	11,825	
14	Rent From Electric Property - Coyote	9,800	
15	Total Rent		589,633
16			
17	Other Misc. Electric Revenue		2,576,976
18			
19	Integrated Transmission Deficiency Payments (456.3)		1,773,638
20			
21	Wheeling (all FERC)		439,772
22			
23	MISO Tariff Revenue	49,969,748	
24	MAPP Transmission service charge (456.4)	0	
25	MISO Tariff Revenue Schedule 24	703,580	
26	Load Control & Dispatch (456.6)	874,830	
27	Total Load Control & Dispatch, MISO & MAPP		51,548,158
28			
29	Miscellaneous Services (452.0)		28,101
30			
31	<b>Sub-Total Other Electric Revenues</b>		<b>58,015,844</b>
32			
33	<b>Interest income from loan pools &amp; economic development</b>		
34	MN	2,676	
35	ND	0	
36	SD	0	
37	Total interest income		2,676
38			
39	Gain on sale of emission allowances (a/c 411.8)		0
40			
41	<b>Total Other Electric Revenues</b>		<b>58,018,520</b>

Otter Tail Power Company  
Purchased Power  
2018 Test Year  
(OTP Total)

(A) (B) (C) (D) (E) (F)

Line No.	Type of Power:	Total Purchased Power	Demand Charges	Energy Charges	Base Demand	Base Energy
1	Participation Power:					
2	Shared Customers & NSE	8,560,816	1,236,808	7,324,008	1,236,808	7,324,008
3						
4	All Other	61,699,507	1,203,069	60,496,437	1,203,069	60,496,437
5						
6	Total Purchased Power	70,260,323	2,439,877	67,820,445	<b>2,439,877</b>	<b>67,820,445</b>

**Otter Tail Power Company  
Regulatory Commission Expense  
2018 Test Year  
(OTP Total)**

	(A)	(B)	(C)	(D)	(E)	(F)
Line No.		<b>MN</b>	<b>ND</b>	<b>SD</b>	<b>FERC</b>	<b>Total</b>
1						
2	Rate Case	267,015	0	0		267,015
3						
4	All Other	716,778	961,755	93,452	1,074,876	2,846,861
5						
6						
7	Total	983,793	961,755	93,452	1,074,876	3,113,876

Otter Tail Power Company  
Charitable Contributions  
2018 Test Year  
(OTP Total)

(A)

(B)

Line No.		
	<b>Account 426.1/5371 Donations:</b>	
1	Minnesota	369,979
2	Allowable Portion of Minnesota Contributions (50%)	184,990
3	Total Company	429,904
4	<b>(Contributions not allowed in North Dakota and South Dakota.)</b>	

**Otter Tail Power Company  
Depreciation Expense-Production  
2018 Test Year  
(OTP Total)**

(A)

(B)

Line No.		Total
1	Production	28,797,822
2		
3	Plus: Hydro Licensing	41,917
4		
5	Total Production	28,839,739
6		
7	Less: Wind Production	11,130,917
8		
9	Total Production, Excluding Wind	17,708,822
10		
11	Base Demand 81.73%	<b>14,473,420</b>
12		
13	Peak Demand - Non Wind 18.27%	<b>5,798,852</b>
14	Peak Demand - Wind 23.03%	
15		
16	Base Energy - Wind 76.97%	<b>8,567,467</b>
17		
18		
19	<b>Total Production</b>	<b>28,839,739</b>

**Otter Tail Power Company**  
**Depreciation and Amortization Expense**  
**2018 Test Year**  
**(OTP Total)**

(A)

(B)

Line No.	Depreciation Expense 12 Mo Ended 12/31/2018	Total
1	Steam (Excluding Un Tr & Ortonville)	16,099,412
2	Hydro	525,754
3	I.C. & Other	1,041,740
4	Wind	11,130,917
5	<b>Total Production</b>	<b>28,797,822</b>
6		
7	Transmission	9,054,548
8	Distribution	11,732,197
9		
10	General (Excluding Transp 392,390.2 & WHSE, 390.3, 393, 394.1 & CAP A&G)	2,291,443
11	Gain on Wahpeton Office	(5,576)
12	Airplane	0
13	(Gain) or Loss on Vehicles	0
14	<b>Total General</b>	<b>2,285,866</b>
15		
16	<b>Subtotal</b>	<b>51,870,434</b>
17		
18	Intangible	
19	Computer Software	2,404,221
20	Hydro Licensing	41,917
21		<b>2,446,138</b>
22		
23	<b>Total Depreciation</b>	<b>54,316,572</b>

Recap of Big Stone Capitalized Costs  
All Jurisdictions  
2018 Test Year  
(OTP Total)

(A)

(B)

Line No.	BU.CC.Acct.Sub.FERC1.FERC2					YTD Bal
1	10.1000.5220.4000.40600.0000					0.00
2						
3						
4	Amortization - Acquisition Adjustment (115) & Big Stone Deferred Charges (186)					
5	Jurisdictional Depreciation Information					
6						
7	Reserves (Ending)					
8	<b>Big Stone Acquisition Adjustment</b>	<b>Minnesota</b>	<b>North Dakota</b>	<b>South Dakota</b>	<b>FERC</b>	<b>Total</b>
9						
10	Steam	837,688.52	613,119.65	129,644.48	7,801.90	1,588,254.65
11	Transmission	29270.40	23327.58	4802.87	886.51	58,287.16
12	Distribution	273.67	255.60	53.61	3.07	585.99
13						
14	Total A/C 115	867,232.59	636,702.83	134,500.96	8,691.48	1,647,127.80
15						
16	Big Stone Deferred Charges Reserve					0.00
17						
18						
19	Amortization (FERC 4060)					
20						
21	Big Stone					
22	Production (BU 010)					
23	406.20 & .30	0	0	0	0	0.00
24	406.11/41	-	0	0	-	0.00
25	Total Production	0.00	0.00	0.00	0.00	0.00
26						
27	Transmission (BU 020)					
28	406.11/41	0.00	0.00	0.00	-	0.00
29						
30						
31	Distribution (BU 030)	0.00	0.00	0.00	-	0.00
32						
33	Total 406	0.00	0.00	0.00	0.00	0.00
34						
35	General Plant	0.00				0.00

RESERVED FOR FUTURE USE

Otter Tail Power Company  
Analysis of Investment Tax Credit  
2018 Test Year  
(OTP Total)

(A) (B) (C) (D) (E) (F)

(Non Utility) - (Below the Line Expense)

Line No.			Account 411.4		Account 411.5		Account 255
			Debit	Credit	Debit	Credit	Net
1	Balance at 12/31/2017	(1)	0	0	0	0	(146,224)
2							
3	2018 CURRENT YEAR ACTIVITY:						
4	Current Year ITC Recapture	(1)	0	0	0	0	
5	Current Year ITC Amortization	(1)	0	(96,509)	0	-	
6							
7	TOTAL 2018 ACTIVITY		0	(96,509)	0	0	96,509
8							
9							
10	Balance at December 31, 2018						(49,715)

**RESERVED FOR FUTURE USE**

Otter Tail Power  
Schedule M-1  
(Separate Return Basis)  
2018 YE Accrual  
(OTP Total)

Line No.	(A) Item	(B) Federal	(C) MN	(D) ND
1	Net Income Per Books - OTP only	43,018,926	43,018,926	43,018,926
2	Income Tax - A/C (409.1) 5410.1001 - 1004	21,519,704	21,519,704	21,519,704
3	Income Tax - A/C (409.2) 5410.2001 - 2004	3,444,771	3,444,771	3,444,771
4	Income Tax - A/C (410.1 & 411.1) 5410.4101 & 5410.4111	(1,358,278)	(1,358,278)	(1,358,278)
5	Income Tax - A/C (410.2 & 411.2) 5410.4102 & 5410.4112	(2,398,001)	(2,398,001)	(2,398,001)
6	Income Tax - A/C (411.4) 5410.4114	(1,403,336)	(1,403,336)	(1,403,336)
7	Income Tax - A/C (411.5) 5410.4115	0	0	0
8	Net Income Before Tax (Consolidated)	62,823,786	62,823,786	62,823,786
9	Net Income Before Tax (OTP)	62,823,786	62,823,786	62,823,786
10	(Utility NIBT)	0	<== proofcheck	62,823,786
11				
12	<b>Permanent:</b>			
13	P-00100 AFUDC (Equity)	(1,197,302)	(1,197,302)	(1,197,302)
14	P-00110 Meal Allowances - 50% Disallowance	48,000	48,000	48,000
15	P-00120 ESOP Deduction	(1,572,266)	(1,572,266)	(1,572,266)
16	P-00130 Penalties - Added back on Schedule M	0	0	0
17	P-00140 Lobbying Expense (Non-Deductible)	240,000	240,000	240,000
18	P-00150 Restricted Stock Incentive - (Tax Deduction for Dividends)	(10,000)	(10,000)	(10,000)
19	P-00160 None	0	0	0
20	P-00170 Non-Qual. Retire Savings - COLI Non-deductible premiums	25,000	25,000	25,000
21	P-00180 Federally Exempt Interest	(10,000)	N/A	N/A
22	P-00190 Sec. 199 Production	(1,000,000)	0	0
23	P-00200 Medicare Part D Subsidy (Prior to 2013)	0	N/A	0
24	P-00210 Federal Empowerment Zone Tax Credit (M-3 addition)	9,000	N/A	N/A
25	P-00220 Dividend Rec'd Deduction	0	0	0
26	P-00230 Treasury Grant in lieu of PTC - Basis Adj	0	0	0
27	P-00240 Income from ACRS & MACRS Property	455,598	327,589	455,598
28				
29	<b>Property Related Temporary:</b>			
30	M-00100 Capitalized A & G (Books expensed)	0	0	0
31	M-00100 Capitalized A & G Reversing	0	0	0
32	M-00101 Capitalized A & G - 481(a) Reversing	0	0	0
33	M-00110 ADR Repair Allowance	0	0	0
34	M-00110 ADR Repair Allowance - Reversing	0	0	0
35	M-00120 Sec. 174 R&D Deductions	0	0	0
36	M-00120 Sec. 174 R&D - Reversing	0	0	0
37	M-00121 Sec. 174 R&D Deductions BSP II Reversing	0	0	0
38	M-00130 Highway Reimbursements	0	0	0
39	M-00130 Highway Reimbursements - Reversing	0	0	0
40	M-00140 Removal Costs	(500,000)	(500,000)	(500,000)
41	M-00200 AFUDC (Debt) in CWIP	0	0	0
42	M-00200 AFUDC (Debt) in CWIP- Reversing	0	0	0
43	M-00160 Interest Capitalized on Construction (Taxable)	830,272	830,272	830,272
44	M-00160 Interest Capitalized on Construction - Reversing	0	0	0
45	M-00170 CIAC Capitalized Reversing	0	0	0
46	M-00180 Capitalized Overheads Reversing	0	0	0
47	M-00190 Customer Rebates Capitalized - Originating	0	0	0
48	M-00190 Customer Rebates Capitalized - Reversing	0	0	0
49	M-00150 AFUDC on Debt Originating	(830,272)	(830,272)	(830,272)
50	M-00150 AFUDC on Debt Reversing	0	0	0
51	M-00800 Tax Depreciation	(66,811,929)	(94,861,441)	(66,816,777)
52	M-00800 Book Depreciation	56,376,730	56,376,730	56,376,730
53	M-00590 Repairs Deduction - Bases Adjustments - Originating	0	0	0
54	M-00600 Sec 481(a) Cap to Repair Basis Adjustment (PY)	0	0	0
55				
56	<b>Other:</b>			
57	M-00210 Mark to Market Contra Loss Realized	0	0	0
58	M-00210 Mark to Market Contra Gain Realized	0	0	0
59	M-00210 Mark to Market Derivative Non-operating Income	0	0	0
60	M-00210 Mark to Market Derivative Non-operating Expense	0	0	0
61	M-00220 Accrued Vacation Pay	0	0	0
62	M-00220 Accrued Vacation Pay - Reversing	0	0	0
63	M-00230 Amortization of Loss on Reacquired Debt (Pre-HoldCo)Reversing	254,342	254,342	254,342
64	M-00230 Amortization of Loss on Reacquired Debt (Pre-HoldCo)Originating	(1,000,000)	(1,000,000)	(1,000,000)
65	M-00240 Restricted Stock Incentive - Book expense	0	0	0
66	M-00240 Restricted Stock Incentive - (Tax Deduction for Employee Gain)	0	0	0
67	M-00250 Pensions Contributions (FAS 87 & 88)	0	0	0
68	M-00250 Pensions Provision (FAS 87 & 88)	15,785,592	15,785,592	15,785,592
69	M-00271 Conservation Improvement Program - MN & SD - Net (BTL)	6,840,313	6,840,313	6,840,313
70	M-00290 Supplemental Pension Reserve Provision	0	0	0
71	M-00290 Supplemental Pension Reserve Charges	(1,259,548)	(1,259,548)	(1,259,548)
72	M-00300 Post Retirement Benefit Provision (FAS 106)	2,003,919	2,003,919	2,003,919
73	M-00300 Post Retirement Benefit Charges (FAS 106)	(6,634,406)	(6,634,406)	(6,634,406)
74	M-00310 Post Employment Benefits Provision (FAS 112)	706,875	706,875	706,875
75	M-00310 Post Employment Benefits Charges (FAS 112)	(300,000)	(300,000)	(300,000)

Otter Tail Power  
Schedule M-1  
(Separate Return Basis)  
2018 YE Accrual  
(OTP Total)

Line No.	(A) Item	(B) Federal	(C) MN	(D) ND	
76	M-00320	Amortization of Asbestos Removal	0	0	0
77	M-00330	Amort - Acq Costs on Big Stone Plant	0	0	0
78	M-00340	Wind Rider Revenue (Billed in CIS)	13,491,384	13,491,384	13,491,384
79	M-00340	Wind Rider Revenue (Total Revenue Booked)	(11,252,623)	(11,252,623)	(11,252,623)
80	M-00350	Transmission Rider Revenue (Billed in CIS)	6,826,156	6,826,156	6,826,156
81	M-00350	Transmission Rider Recovery (Total Revenue Booked)	(8,382,381)	(8,382,381)	(8,382,381)
82	M-00351	Environmental Rider Revenue (Billed in CIS)	9,022,936	9,022,936	9,022,936
83	M-00351	Environmental Rider Revenue (Total Revenue Booked)	(10,550,806)	(10,550,806)	(10,550,806)
84	M-00360	Big Stone II Cost Recovery (Billed in CIS)	0	0	0
85	M-00360	Big Stone II Cost Recovery (Total Revenue Booked)	0	0	0
86	M-00361	BSP II Deferred Costs - Originating	0	0	0
87	M-00361	BSP II Deferred Costs - Reversing	0	0	0
88	M-00362	Big Stone II Discount - Originating	0	0	0
89	M-00362	Big Stone II Discount - Reversing	0	0	0
90	M-00380	MN Rate Case Deferred Expenses (2008)	0	0	0
91	M-00390	ND rate case deferred expense (2009)	0	0	0
92	M-00400	SD rate case deferred expense (2009)-Reversing	0	0	0
93	M-00401	SD rate case deferred expense (2010)-Originating	0	0	0
94	M-00401	SD rate case deferred expense (2010)-Reversing	0	0	0
95	M-00410	MN rate case deferred expense (2010) - Reversing	267,015	267,015	267,015
96	M-00410	MN rate case deferred expense (2010) - Originating	0	0	0
97	M-00420	Charitable Contributions - Originating	0	0	0
98	M-00420	Charitable Contributions - Reversing	0	0	0
99	M-00430	Property Taxes	0	0	0
100	M-00440	Bad Debts Provision	0	0	0
101	M-00440	Bad Debts Charges	0	0	0
102	M-00450	Loan Pool Provision	0	0	0
103	M-00450	Loan Pool Charges	0	0	0
104	M-00460	Injuries & Damages Provision	0	0	0
105	M-00460	Injury & Damages Charges	0	0	0
106	M-00470	Property Repairs (Storm Damages) Provision	0	0	0
107	M-00470	Property Repairs (Storm Damages) Charges	0	0	0
108	M-00480	Workmen's Comp Provision	0	0	0
109	M-00480	Workmen's Comp Charges	0	0	0
110	M-00490	Deferred Settlement (book expense)	0	0	0
111	M-00520	Mapleton Industrial Park - Taxable Loss on Sale	0	0	0
112	M-00530	Unicap Adjustment - Reversing	0	0	0
113	M-00530	Unicap Adjustment - Originating	0	0	0
114	M-00540	ND Schedule 16 and 17 deferral - Originating	0	0	0
115	M-00540	ND Schedule 16 and 17 deferral - Reversing	0	0	0
116	M-00550	Non-Qual. Retire Savings - Employee Contribs (book expense)	0	0	0
117	M-00550	Non-Qual. Retire Savings - Distributions (tax deduction)	0	0	0
118	M-00550	Non-Qual. Retire Savings - COLI - 2009 Reversal	0	0	0
119	M-00560	FIN 48 Interest - Tax Repairs UTP - Originating	0	0	0
120	M-00560	FIN 48 Interest - Tax Repairs UTP - Reversing	0	0	0
121	M-00570	Retirements Method Change (CY & 481(a)) - Originating	0	0	0
122	M-00570	Retirements Method Change (CY & 481(a)) - Reversing	0	0	0
123	M-10016	Prepaid Expenses - Originating	0	0	0
124	M-10016	Prepaid Expenses - Reversing	0	0	0
125	M-00580	Bonus Incentive Provision	0	0	0
126	M-00580	Bonus Incentive Charges	0	0	0
127	M-10001	Total Minnesota Current Tax	0	0	0
128	M-10001	Total North dakota Current Tax	0	0	0
129	M-00911	Federal Deduction - State Tax Accrual - MN	0	0	0
130	M-00912	Federal Deduction - State Tax Accrual - ND	0	0	0
131	M-00915	Federal Deduction - State Taxes Paid (Cash) - MN	0	0	0
132	M-00916	Federal Deduction - State Taxes Paid (Cash) - ND	0	0	0
133		Taxable Income Before Deduction for State Taxes	64,695,384.47	37,518,863.75	65,691,536.71
134		Less: MN Estimated & Extension Tax Paid for Current Year	0	N/A	N/A
135		ND Estimated & Extension Tax Paid for Current Year	0	N/A	N/A
136		Add'l State Taxes Paid/(Recv'd) for Prior Years	0	N/A	N/A
137		Taxable Income	64,695,384	37,518,864	65,691,537
138		Apportionment Factors	100%	51.2978%	38.4901%
139		Apportioned Income	64,695,384	19,246,352	25,284,738
140		ND State Tax Formula Base Adj (-\$50,000 per statute-2010)			(50,000)
141			64,695,384	19,246,352	25,234,738
142		Tax Rate	35.00%	9.80%	4.31%
143		Income Tax Liability Before Tax Credits	22,643,385	1,886,142	1,087,617
144					
145		Less: Federal and North Dakota Wind Energy Tax Credits	0	N/A	0
146	M-00890	Research & Development Tax Credit (OTP only)	0	0	N/A
147	M-00910	Federal Empowerment Zone Tax Credit	(9,000)		
148	M-00640	MN Minimum Fee (\$9,340 per statute)		9,500	
149	M-00760	ND State Tax Formula Base (\$1,302.50 per statute)			1,303

Otter Tail Power  
Schedule M-1  
(Separate Return Basis)  
2018 YE Accrual  
(OTP Total)

Line No.	(A) Item	(B) Federal	(C) MN	(D) ND
150	M-00750 Other Credits - Education Donations	0	0	0
151	Otter Tail Power Tax Liability (Separate Return)	22,634,385	1,895,642	1,088,920
152	Adjustment to reflect zero tax liability due to NOL's	0	0	0
153	Total Current Tax Liability	22,634,385	1,895,642	1,088,920
154				
155	<b>Grand Total Tax Liability (OTP only)</b>		<u><b>25,618,947</b></u>	
156			<b>(A) tie to below</b>	
157				
158				
159				
160				
161				
162	Tax on Operating Income	19,798,825	1,437,586	937,765
163	<b>Tax on Non-Operating Income</b>	<u>2,835,560</u>	<u>458,057</u>	<u>151,154</u>
164	Total Current Tax Liability (OTP only)	22,634,385	1,895,642	1,088,920
165				
166	<b>Grand Total Current Tax Liability (OTC)</b>		<u><b>25,618,947</b></u>	
167	<b>(Note: This is not tax expense, due to R/E items!!)</b>		<b>(A) tie to above</b>	

**RESERVED FOR FUTURE USE**

**Otter Tail Power Company  
Advertising Expense  
2018 Test Year  
(OTP Total)**

	(A)	(B)
Line No.	<b>Adjustment to remove advertising expense:</b>	
1	Account 913 Advertising expenses	(1,423)
2	(Sales Expense)	
3		
4		
5	Account 930.1 General advertising expenses	(504,609)
6	(Administrative & General Expense)	
7		
8	Total	(506,032)
9		
10		
11	Amount excluded in 930.1 above that should be	
12	included with 930.2	0

RESERVED FOR FUTURE USE

**Otter Tail Power Company**  
**Adjustment to Cap Management Performance Incentives and Corporate Bonuses at 25% of Individual's Base Pay**  
**2018 Test Year**  
**(OTP Total)**

Line No.	(A) Description from JCOSS Input Summary	(B) Labor Ratios	(D) Management Incentives	(E) Corporate Bonuses	(F) Total Adjustment	(G) Input Summary Cell #
	Administrative & General Expenses					
	Salaries, Supplies, Pensions & Benefits					
1	Production	38.15%	(63,703)	(128,366)	<b>(192,070)</b>	<b>G551</b>
2	Transmission	14.76%	(24,644)	(49,659)	<b>(74,303)</b>	<b>G552</b>
3	Distribution	23.89%	(39,904)	(80,408)	<b>(120,312)</b>	<b>G553</b>
4	Customer Accounts	19.00%	(31,735)	(63,948)	<b>(95,682)</b>	<b>G554</b>
5	Customer Service & Info	4.20%	(7,015)	(14,135)	<b>(21,150)</b>	<b>G555</b>
6		100.00%	(167,000)	(336,516)	(503,517)	

**RESERVED FOR FUTURE USE**

RESERVED FOR FUTURE USE

Otter Tail Power Company  
Wholesale Margins Adjustment  
2018 Test Year

<u>Line No.</u>	<u>Asset-Based Total Asset-Based and ASM</u>	<u>2018 Budget</u>	<u>Budget Year Adjustment</u>
1	Revenue in COSS (F/S)	100,174	(100,174)
2	Expense (adj to PS margin)	<u>103,690</u>	<u>(103,690)</u>
3	Margin	<u>(3,516)</u>	<u>3,516</u>

**Adjustment for Renewable Energy Credits (REC)  
ND & SD  
2018 Test Year**

(A) (B) (C) (D)

Line No.	Summary of Inputs:		
			<b>Amount</b>
			<b>100.00%</b>
1	4560	Total REC Sales to remove from MN, ND & SD	-
2	4560	REC Sales to directly assign to ND	-
3	4560	REC Sales to directly assign to SD	-
			0
			0
			0

<b>Federal Production Tax Credits Generated 2018 Test Year</b>	
Langdon Wind Farm	-
Ashtabula Wind Farm	(3,084,000)
<b>Ashtabula and Langdon Combined</b>	<b>(3,084,000)</b>

**ND Investment Tax Credits**  
**2018 Test Year**

	<b>Beginning Balance 01/01/2018</b>	<b>Ending Balance 12/31/2018</b>	<b>Yearly Amortization</b>
Landgon	(345,964)	(322,900)	23,064
Ashtabula	11,236,562	10,530,600	(705,962)
Luverne	10,450,818	9,826,889	(623,929)
<b>Total</b>	<b>21,341,417</b>	<b>20,034,589</b>	<b>(1,306,827)</b>

**Otter Tail Power Company  
Base Energy and Peak Demand Split Data  
2018 Test Year  
(OTP Total)**

<b>UCAP Values:</b>	<b>Percentage</b>	<b>MW</b>	
Ashtabula	21.93%	48	
Langdon	21.29%	40.5	
Luverne	25.52%	49.5	
	<hr/>		
	68.75%	138	
 <b>Weighted Average:</b>			
Ashtabula	31.91%	34.78%	7.63%
Langdon	30.97%	29.35%	6.25%
Luverne	37.12%	35.87%	9.15%
	<hr/>		
	100.00%	100.00%	23.03%
 <b>Wind</b>			
Base Energy	76.97%		
Peak Demand	23.03%		

**Otter Tail Power Company  
Labor Ratios  
2018 Test Year  
(OTP Total)**

(A)

(B)

(C)

Line No.	Function Labor	2018 Test Year	
		Amount	Portion of Total
1	Production	\$18,050,116	38.15%
2			
3	Transmission	\$6,982,743	14.76%
4			
5	Distribution	\$11,306,520	23.89%
6			
7	Customer Accounts	\$8,991,938	19.00%
8			
9	Customer Service & Information, & Sales	\$1,987,641	4.20%
10			
11			
12			
13	Subtotal	47,318,957	100.00%
14			
15	Administrative & General	\$24,637,832	
16			
17	Total Labor Expense	71,956,789	
18			

Allocation Factors  
Minnesota Classes  
2018 Test Year  
(OTP Total)

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K)

Line No.	Allocators	Total	Minnesota	North Dakota	South Dakota	FERC	Class Total	Residential	Farms	General Service	Large General Service
1	D1	740,845	375,938	295,156	68,833	918	375,938	99,396	6,404	63,034	196,776
2	D2	745,364	375,938	295,156	68,833	5,437	375,938	99,396	6,404	63,034	196,776
3	D3	879,600	382,946	403,477	87,651	5,526	382,946	75,432	13,157	70,406	144,414
4	D4	1,168,271	484,988	561,014	122,269	0	484,988	115,722	21,383	101,240	113,410
5	E1	4,717,027	2,593,582	1,682,012	437,467	3,966	2,593,582	474,942	40,582	346,495	1,668,661
6	E2	5,271,408	2,813,773	1,980,855	472,885	3,895	2,813,773	507,544	40,582	371,452	1,668,661
7	C1	133,437	62,270	59,557	11,610	0	62,270	49,231	1,193	10,169	451
8	C2	140,167	65,272	62,754	12,137	4	65,272	50,949	1,374	11,277	338
9	C3	140,091	65,225	62,738	12,128	0	65,225	50,949	1,374	11,259	310
10	C4	5,464,004	2,475,177	2,381,279	607,548	0	2,475,177	0	0	0	0
11	C5	4,786,865	1,966,717	2,477,820	342,328	0	1,966,717	0	0	0	0
12	C6	52,603,325	24,253,657	23,503,024	4,846,644	0	24,253,657	6,858,202	679,354	7,585,920	1,395,610
13	C7	182,297	88,079	77,918	16,300	0	88,079	51,364	1,211	25,067	1,069
14	C8	140,192	65,294	62,757	12,137	4	65,294	50,949	1,374	11,277	360
15	C9	42,771	20,051	18,627	4,093	0	20,051	3,906	39	105	0

Line No.	Allocators	Irrigation	Outdoor Lighting	OPA	Controlled Water Heating	Controlled Service Interrupt	Controlled Service Deferred				
16	D1	0	2,408	2,826	305	4,266	524				
17	D2	0	2,408	2,826	305	4,266	524				
18	D3	7,025	5,043	3,022	11,241	46,895	6,311				
19	D4	10,182	4,862	4,674	31,103	72,274	10,139				
20	E1	0	21,034	20,762	9,490	0	11,615				
21	E2	5,378	21,034	20,762	22,775	127,707	27,877				
22	C1	230	198	484	56	215	43				
23	C2	546	223	502	19	37	6				
24	C3	546	222	502	19	37	6				
25	C4	0	2,475,177	0	0	0	0				
26	C5	0	1,966,717	0	0	0	0				
27	C6	266,693	87,216	216,362	3,381,680	3,054,636	727,984				
28	C7	345	425	775	3,915	3,155	753				
29	C8	546	223	502	19	37	6				
30	C9	143	0	0	8,011	6,879	967				

Allocation Factors  
North Dakota Classes  
2018 Test Year  
(OTP Total)

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K)

Line No.	Allocators	Total	Minnesota	North Dakota	South Dakota	FERC	Class Total	Residential	Farms	General Service	Large General Service
1	D1	740,845	375,938	295,156	68,833	918	295,156	108,721	6,312	84,438	81,953
2	D2	745,364	375,938	295,156	68,833	5,437	295,156	108,721	6,312	84,438	81,953
3	D3	879,600	382,946	403,477	87,651	5,526	403,477	93,146	17,305	87,448	99,596
4	D4	1,168,271	484,988	561,014	122,269	0	561,014	153,837	28,403	129,181	78,863
5	E1	4,717,027	2,593,582	1,682,012	437,467	3,966	1,682,012	502,071	32,715	448,320	640,817
6	E2	5,271,408	2,813,773	1,980,855	472,885	3,895	1,980,855	554,982	32,554	446,106	637,651
7	C1	133,437	62,270	59,557	11,610	0	59,557	46,204	937	11,164	261
8	C2	140,167	65,272	62,754	12,137	4	62,754	48,212	1,139	12,400	183
9	C3	140,091	65,225	62,738	12,128	0	62,738	48,212	1,139	12,394	173
10	C4	5,464,004	2,475,177	2,381,279	607,548	0	2,381,279	0	0	0	0
11	C5	4,786,865	1,966,717	2,477,820	342,328	0	2,477,820	0	0	0	0
12	C6	52,603,325	24,253,657	23,503,024	4,846,644	0	23,503,024	6,969,736	544,765	8,391,132	567,290
13	C7	182,297	88,079	77,918	16,300	0	77,918	47,618	960	20,197	617
14	C8	140,192	65,294	62,757	12,137	4	62,757	48,212	1,139	12,400	186
15	C9	42,771	20,051	18,627	4,093	0	18,627	4,056	5	21	1

Line No.	Allocators	Irrigation	Outdoor Lighting	OPA	Controlled Water Heating	Controlled Service Interrupt	Controlled Service Deferred				
16	D1	0	2,834	2,719	225	7,219	735				
17	D2	0	2,834	2,719	225	7,219	735				
18	D3	1,424	5,902	2,877	8,160	78,771	8,849				
19	D4	2,269	5,689	5,142	22,758	121,415	13,456				
20	E1	0	19,888	18,317	7,115	0	12,769				
21	E2	873	19,790	18,226	16,991	223,188	30,494				
22	C1	35	82	554	35	246	39				
23	C2	84	100	578	10	42	7				
24	C3	84	100	578	10	42	7				
25	C4	0	2,381,279	0	0	0	0				
26	C5	0	2,477,820	0	0	0	0				
27	C6	41,786	39,342	247,825	2,451,390	3,668,002	581,756				
28	C7	51	110	740	2,871	4,152	602				
29	C8	84	100	578	10	42	7				
30	C9	24	0	0	5,718	8,031	771				

Allocation Factors  
South Dakota Classes  
2018 Test Year  
(OTP Total)

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K)

Line No.	Allocators	Total	Minnesota	North Dakota	South Dakota	FERC	Class Total	Residential	Farms	General Service	Large General Service
1	D1	740,845	375,938	295,156	68,833	918	68,833	22,418	1,500	14,994	27,757
2	D2	745,364	375,938	295,156	68,833	5,437	68,833	22,418	1,500	14,994	27,757
3	D3	879,600	382,946	403,477	87,651	5,526	87,651	18,424	2,705	16,207	34,378
4	D4	1,168,271	484,988	561,014	122,269	0	122,269	31,395	4,122	23,419	36,229
5	E1	4,717,027	2,593,582	1,682,012	437,467	3,966	437,467	101,955	8,356	82,186	230,242
6	E2	5,271,408	2,813,773	1,980,855	472,885	3,895	472,885	107,641	8,356	82,186	230,242
7	C1	133,437	62,270	59,557	11,610	0	11,610	8,805	346	2,181	57
8	C2	140,167	65,272	62,754	12,137	4	12,137	9,109	386	2,401	37
9	C3	140,091	65,225	62,738	12,128	0	12,128	9,109	386	2,396	34
10	C4	5,464,004	2,475,177	2,381,279	607,548	0	607,548	0	0	0	0
11	C5	4,786,865	1,966,717	2,477,820	342,328	0	342,328	0	0	0	0
12	C6	52,603,325	24,253,657	23,503,024	4,846,644	0	4,846,644	1,233,252	191,777	1,655,784	149,871
13	C7	182,297	88,079	77,918	16,300	0	16,300	9,094	348	4,614	210
14	C8	140,192	65,294	62,757	12,137	4	12,137	9,109	386	2,401	37
15	C9	42,771	20,051	18,627	4,093	0	4,093	700	15	10	1

Line No.	Allocators	Irrigation	Outdoor Lighting	OPA	Controlled Water Heating	Controlled Service Interrupt	Controlled Service Deferred				
16	D1	0	544	640	79	727	175				
17	D2	0	544	640	79	727	175				
18	D3	441	1,186	642	2,823	8,523	2,324				
19	D4	631	1,143	843	8,076	12,895	3,515				
20	E1	0	5,002	4,295	2,446	0	2,987				
21	E2	287	5,002	4,295	5,871	21,837	7,169				
22	C1	19	34	114	12	31	12				
23	C2	34	40	119	3	4	3				
24	C3	34	39	119	3	4	3				
25	C4	0	607,548	0	0	0	0				
26	C5	0	342,328	0	0	0	0				
27	C6	18,435	19,434	51,720	888,060	484,719	153,592				
28	C7	19	44	234	1,049	538	150				
29	C8	34	40	119	3	4	3				
30	C9	5	0	0	2,080	1,070	212				

Otter Tail Power Company  
Effective Tax Rates  
2018 Test Year  
(OTP Total)

(A) (B) (C) (D) (E) (F)

Line No.		(A)	(B)	(C)	(D)	(E)	(F)
1							
2	Tax Rates:				SD Special Hearing Fund Assessment Rate:		0.0014
3	Federal		35.00%				
4	Minnesota		9.80%				
5	North Dakota		4.31%				
6							
7							
8							
9			Total	Federal	Minnesota	North Dakota	
10	<b>==&gt; Minnesota</b>						
11	Income			1,000	1,000		
12	MN Income Tax			98	9.80%		
13							
14				902	98.0		
15	Federal Tax Rate			35.00%			
16							
17	Total Tax			315.70			
18							
19	Effective Tax Rates - MN		41.370%	31.570%	9.80%		
20							
21							
22	Gross Revenue Conversion Factor:			1 / (1 - Total ETR)			1.705611
23							
24							
25							
26	<b>==&gt; North Dakota</b>						
27	Income			1,000		1,000	
28	ND / Federal Income Tax			43.1			
29							
30				956.9		1,000	
31	Federal Tax Rate			35.00%		4.31%	
32							
33	Total Tax			334.9		43.1	
34							
35	Effective Tax Rates - ND		37.802%	33.492%		4.31%	
36							
37							
38	Gross Revenue Conversion Factor:			1 / (1 - Total ETR)			1.607756
39							
40							
41							
42	<b>==&gt; South Dakota</b>						
43	Effective Tax Rates - SD		35.00%	35.00%		(No State Income Tax in South Dakota)	
44							
45							
46							
47	SD Gross Revenue Conversion Factor: (Including Recognition of SD Special Hearing Fund Assessment)						
48	Where "X" = Gross Revenue Deficiency						
49	"Y" = Conversion Factor						
50	0.0014 = SDPUC Special Hearing Fund Assessment						
51	35.00% = Federal Tax Rate						
52							
53							
54	$X = [X - .0015X - [(X - .0015X) * .34]] * Y$						
55	$X = [.9985X - (.9985X * .34)] * Y$						
56	$X = (.9985X - .33949X) * Y$						
57	$X = .65901XY$						
58	$1 = .65901Y$						
59	$Y =$						
60							1.540541
61	<b>==&gt; Total Company</b>			Federal	Minnesota	North Dakota	
62	Effective Tax Rates - System		39.4%	32.7%	5.0%	1.7%	
63							
64							
65	Gross Revenue Conversion Factor:			1 / (1 - Total ETR)			1.650165

Otter Tail Corporation  
(Stand Alone)  
Effective Tax Rate  
2018 Test Year  
(OTP Total)

(A) (B) (C) (D) (E)

Line No.		Federal	Minnesota	North Dakota	Total
1	Income	1,000	1,000	1,000	
2	Tax Expense Deductions				
3	Federal				
4	Minnesota	50.27			
5	North Dakota	16.59			
6	Subtotal	<u>933.14</u>	<u>1,000.00</u>	<u>1,000.00</u>	
7					
8	Apportionment Factor (OTP Separate)	<u>100%</u>	<u>51.2978%</u>	<u>38.4901%</u>	
9					
10	Taxable Income	933.14	512.98	384.90	
11					
12	Tax Rate	<u>35.00%</u>	<u>9.80%</u>	<u>4.31%</u>	
13					
14					
15	Tax	326.60	50.27	16.59	
16					
17	Effective Tax Rate	<u>32.660%</u>	<u>5.027%</u>	<u>1.659%</u>	<u>39.346%</u>
18					
19	Rate to Use: (Insert for Rounding)	<u>32.7%</u>	<u>5.0%</u>	<u>1.7%</u>	<u>39.4%</u>

Other Tail Power Company  
Embedded Cost of Debt Capital  
2018 Test Year  
(OTP Total)

Line No.	(A) Description	(B) Rate of Interest	(C) Principal Amounts Outstanding												(P) Average Monthly Balances	(Q) Interest Cost Year 2018				
			(D) December	(E) January	(F) February	(G) March	(H) April	(I) May	(J) June	(K) July	(L) August	(M) September	(N) October	(O) November			(R) December			
1	Debtentures																			
2	4.630% Series for 2021	4.630%	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	140,000,000	6,482,000	
3	5.950% Unsecured Series A 2017 Senior Notes	5.950%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	6.150% Unsecured Series B 2022 Senior Notes	6.150%	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000	1,845,000		
5	6.370% Unsecured Series C 2027 Senior Notes	6.370%	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	2,675,400		
6	6.470% Series D 2037 Unsecured Senior Notes	6.470%	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	3,235,000		
7	4.500% LT Debt Forecast for 2018	4.500%	0	0	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	84,615,385	4,125,000	
8	<b>Total Debtentures</b>		<b>262,000,000</b>	<b>262,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>362,000,000</b>	<b>346,615,385</b>	<b>18,362,400</b>
9	Series Bonds																			
10	4.680% 2029 Series 4.68%	4.680%	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	60,000,000	2,808,000	
11	5.470% 2044 Series 5.47%	5.470%	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	4,923,000	
12	<b>Total Series Bonds</b>		<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$150,000,000</b>	<b>\$7,731,000</b>
13	<b>Subtotal Bond Balances</b>		<b>\$412,000,000</b>	<b>\$412,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$512,000,000</b>	<b>\$496,615,385</b>	<b>\$26,093,400</b>
14	Loss/Gain on Reacquired Debt		(3,434,337)	(3,380,088)	(4,325,839)	(4,268,817)	(4,211,795)	(4,154,773)	(4,097,751)	(4,040,729)	(3,983,707)	(3,926,685)	(3,869,663)	(3,812,641)	(3,755,619)			(3,943,265)	678,719	
15	<b>Total Long-Term Debt Capital</b>		<b>\$408,565,663</b>	<b>\$408,619,912</b>	<b>\$507,674,161</b>	<b>\$507,731,183</b>	<b>\$507,788,205</b>	<b>\$507,845,227</b>	<b>\$507,902,249</b>	<b>\$507,959,271</b>	<b>\$508,016,293</b>	<b>\$508,073,315</b>	<b>\$508,130,337</b>	<b>\$508,187,359</b>	<b>\$508,244,381</b>			<b>\$492,672,120</b>	<b>\$26,772,119</b>	
16																				
17																				
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<b>Weighted Long-Term Cost of Debt</b>		5.43%
<b>Total Short-Term Debt</b>	\$ 15,979,875	\$ 642,775
<b>Short-Term Debt</b>		4.02%
<b>Total Debt Capital</b>	\$508,651,995	\$27,414,893
<b>Weighted Cost of Debt</b>		5.39%

  

COSS - WP - NOI - per Books 27,414,893										
	FERC Accounts 181 & 189 (Unamortized Expense & Loss on Reacquired Debt)				FERC Account 257 (Unamortized Gain on Reacquired Debt)					
	Ending Account Balance	Acct 428 Amort Expense (5)	Acct 428.1 Amort Expense (5)	Other	Ending Account Balance	Acct 429.1 Amortization Expense	Other	Account Balance Total	Total Amortization Expense	
Dec	3,434,337				0			3,434,337		
Jan	3,380,088	33,054	21,195	0	0	0	0	3,380,088	54,249	
Feb	4,325,839	33,054	21,195	1,000,000	0	0	0	4,325,839	54,249	
Mar	4,268,817	35,827	21,195	0	0	0	0	4,268,817	57,022	
Apr	4,211,795	35,827	21,195	(0)	0	0	0	4,211,795	57,022	
May	4,154,773	35,827	21,195	0	0	0	0	4,154,773	57,022	
Jun	4,097,751	35,827	21,195	0	0	0	0	4,097,751	57,022	
Jul	4,040,729	35,827	21,195	(0)	0	0	0	4,040,729	57,022	
Aug	3,983,707	35,827	21,195	0	0	0	0	3,983,707	57,022	
Sep	3,926,685	35,827	21,195	(0)	0	0	0	3,926,685	57,022	
Oct	3,869,663	35,827	21,195	0	0	0	0	3,869,663	57,022	
Nov	3,812,641	35,827	21,195	(0)	0	0	0	3,812,641	57,022	
Dec	3,755,619	35,827	21,195	(0)	0	0	0	3,755,619	57,022	
Total Amort		424,377	254,942		Total Amort	0		Total Amort	678,719	
13 Mo Avg Bal	3,943,265				Avg Mo Bal	-		Avg Mo Bal	3,943,265	

Otter Tail Power Company  
Common Equity  
Average Thirteen Monthly Balances  
2018 Test Year  
(OTP Total)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
Principal Amounts Outstanding															Average
Line No.	Title	December	January	February	March	April	May	June	July	August	September	October	November	December	13 Month Balances
1	Contributed Capital	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466	376,989,466
2															
3	Current Year Capital Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4															
5	<b>Common Stock Balance</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>	<b>376,989,466</b>
6	<b>Retained Earnings -</b>														
7	Beginning Balance	187,311,848	182,950,195	188,603,199	192,348,943	185,733,200	187,927,639	189,607,010	181,862,758	186,583,240	191,060,054	183,720,500	184,434,187	188,727,060	186,989,987
8	Net Income	5,468,392	5,653,004	3,745,744	4,117,379	2,194,438	1,679,371	2,988,870	4,720,482	4,476,813	3,393,568	713,688	4,292,872	5,042,695	3,729,794
9	Dividends	(9,830,045)	0	0	(10,733,122)	0	0	(10,733,122)	0	0	(10,733,122)	0	0	(10,733,122)	(4,058,656)
12	End of Month Balance	182,950,195	188,603,199	192,348,943	185,733,200	187,927,639	189,607,010	181,862,758	186,583,240	191,060,054	183,720,500	184,434,187	188,727,060	183,036,632	186,661,124
13	Other Comprehensive Income	(1,471,551)	(1,471,551)	(1,471,551)	(1,428,538)	(1,428,538)	(1,428,538)	(1,385,524)	(1,385,524)	(1,385,524)	(1,342,510)	(1,342,510)	(1,342,510)	(1,299,496)	(1,398,759)
14	<b>Total Electric Common Equity</b>	<b>558,468,110</b>	<b>564,121,114</b>	<b>567,866,858</b>	<b>561,294,128</b>	<b>563,488,566</b>	<b>565,167,937</b>	<b>557,466,700</b>	<b>562,187,182</b>	<b>566,663,996</b>	<b>559,367,456</b>	<b>560,081,143</b>	<b>564,374,015</b>	<b>558,726,602</b>	<b>562,251,832</b>

**Adjustment for Economic Development Expenses  
 2018 Test Year**

(A)

(B)

(C)

Line			
1			<b>OTP ND</b>
2		<b>Amount</b>	<b>100.00%</b>
3	Demonstrating & selling expenses(FERC 912)	68,871	(68,871)

**Adjustment for AQCS AFUDC  
 2018 Test Year**

	<b>2018</b>	
<b>Total AQCS AFUDC:</b>		
AFUDC Debt	830,272	
AFUDC Equity	1,197,302	
<b>Total Company AFUDC per MFS</b>	<b>2,027,574</b>	
Total AFUDC on AQCS	-	
Less: ND portion of AFUDC on AQCS removed	-	
<b>Total AFUDC on AQCS (MN &amp; SD)</b>	<b>-</b>	
<b>Total Company AFUDC without AQCS</b>	<b>2,027,574</b>	
AQCS AFUDC - Directly Assigned to MN	-	
AQCS AFUDC - Directly Assigned to SD	-	
AFUDC without AQCS allocated to all jurisdictions	2,027,574	
<b>Total Company AFUDC</b>	<b>2,027,574</b>	
<b>Rate Base (Plant in Service):</b>	<b>13 MA</b>	<b>Simple Average</b>
Accumulated AQCS AFUDC:		
<b>Accumulated AQCS AFUDC - Directly Assigned to MN</b>	3,520,019	3,520,019
<b>Accumulated AQCS AFUDC - Directly Assigned to ND</b>	471,575	471,575
<b>Accumulated AQCS AFUDC - Directly Assigned to SD</b>	1,146,073	1,146,073
<b>Total 13 MA Accumulated AFUDC</b>	<b>5,137,667</b>	<b>5,137,667</b>
<b>MN:</b>		
Base (excluding Wind) - removed and direct assigned to MN	2,876,912	2,876,912
Peak (excluding Wind) - removed and direct assigned to MN	643,107	643,107
<b>Total direct assigned to MN</b>	<b>3,520,019</b>	<b>3,520,019</b>
<b>ND:</b>		
Base (excluding Wind) - removed and direct assigned to ND	385,418	385,418
Peak (excluding Wind) - removed and direct assigned to ND	86,157	86,157
<b>Total direct assigned to ND</b>	<b>471,575</b>	<b>471,575</b>
<b>SD:</b>		
Base (excluding Wind) - removed and direct assigned to SD	936,685	936,685
Peak (excluding Wind) - removed and direct assigned to SD	209,388	209,388
<b>Total direct assigned to SD</b>	<b>1,146,073</b>	<b>1,146,073</b>
<b>Base Demand Factor</b>	81.73%	
<b>Peak Demand Factor</b>	18.27%	

ND Retail/Non-Retail Transmission Adjustment  
 2018 Test Year

	Dec 2018	13 MA	Retail %	Retail Share 13 MA	Non-Retail Portion COSS Adjustment 13 MA	Simple Average	Retail Share Simple Average	Non-Retail Portion COSS Adjustment Simple Avg
<b>RATE BASE:</b>								
<b>Plant In-Service:</b>								
Fargo CAPX	81,428,593	81,428,593	73.99%	60,246,573	(21,182,020)	81,428,593	60,246,573	(21,182,020)
Bemidji CAPX	16,331,201	16,331,201	91.01%	14,862,373	(1,468,828)	16,331,201	14,862,373	(1,468,828)
Cass Lake	7,039,948	7,039,948	35.00%	2,464,052	(4,575,896)	7,039,948	2,464,052	(4,575,896)
Rugby	394,399	394,399	100.00%	394,399	-	394,399	394,399	-
Casselton-Buffalo	13,509,407	13,509,407	51.28%	6,927,218	(6,582,188)	13,509,407	6,927,218	(6,582,188)
Brookings CAPX	26,322,129	26,322,129	20.29%	5,340,234	(20,981,896)	26,322,129	5,340,234	(20,981,896)
BSAT-BSS-Brookings	73,597,018	73,461,643	1.94%	1,425,156	(72,036,487)	73,148,888	1,419,088	(71,729,800)
BSAT-BSS-Ellendale	-	-	1.94%	-	-	-	-	-
<b>Total Plant In-Service - ADJUSTMENT</b>	<b>218,622,694</b>	<b>218,487,319</b>		<b>91,660,004</b>	<b>(126,827,314)</b>	<b>218,174,564</b>	<b>91,653,937</b>	<b>(126,520,627)</b>
<b>Accumulated Depreciation:</b>								
Fargo CAPX	(5,590,143)	(4,959,199)	73.99%	(3,669,163)	1,290,036	(4,959,199)	(3,669,163)	1,290,036
Bemidji CAPX	(1,488,647)	(1,336,096)	91.01%	(1,215,927)	120,168	(1,336,096)	(1,215,927)	120,168
Cass Lake	(547,423)	(491,478)	35.00%	(172,022)	319,456	(491,478)	(172,022)	319,456
Rugby	(30,104)	(27,027)	100.00%	(27,027)	-	(27,027)	(27,027)	-
Casselton-Buffalo	(648,511)	(579,634)	51.28%	(297,219)	282,415	(579,634)	(297,219)	282,415
Brookings CAPX	(1,908,306)	(1,701,697)	20.29%	(345,240)	1,356,457	(1,701,697)	(345,240)	1,356,457
BSAT-BSS-Brookings	(1,773,968)	(1,069,940)	1.94%	(20,757)	1,049,183	(1,070,998)	(20,777)	1,050,220
BSAT-BSS-Ellendale	-	-	1.94%	-	-	-	-	-
<b>Total Accumulated Depreciation - ADJUSTMENT</b>	<b>(11,987,102)</b>	<b>(10,165,071)</b>		<b>(5,747,355)</b>	<b>4,417,716</b>	<b>(10,166,129)</b>	<b>(5,747,376)</b>	<b>4,418,753</b>
<b>CWIP:</b>								
Fargo CAPX	-	-	73.99%	-	-	-	-	-
Bemidji CAPX	-	-	91.01%	-	-	-	-	-
Cass Lake	-	-	35.00%	-	-	-	-	-
Rugby	-	-	100.00%	-	-	-	-	-
Casselton-Buffalo	-	-	51.28%	-	-	-	-	-
Brookings CAPX	-	-	20.29%	-	-	-	-	-
BSAT-BSS-Brookings	-	-	1.94%	-	-	-	-	-
BSAT-BSS-Ellendale	108,038,381	101,015,521	1.94%	1,959,701	(99,055,820)	97,671,152	1,894,820	(95,776,331)
<b>Total CWIP - ADJUSTMENT</b>	<b>108,038,381</b>	<b>101,015,521</b>		<b>1,959,701</b>	<b>(99,055,820)</b>	<b>97,671,152</b>	<b>1,894,820</b>	<b>(95,776,331)</b>
<b>ADIT:</b>								
Fargo CAPX	(19,030,484)	(18,537,048)	73.99%	(13,715,006)	4,822,042	(18,537,048)	(13,715,006)	4,822,042
Bemidji CAPX	(3,979,588)	(3,926,494)	91.01%	(3,573,345)	353,149	(3,926,494)	(3,573,345)	353,149
Cass Lake	(1,775,916)	(1,741,454)	35.00%	(609,526)	1,131,928	(1,741,454)	(609,526)	1,131,928
Rugby	(139,011)	(137,497)	100.00%	(137,497)	-	(137,497)	(137,497)	-
Casselton-Buffalo	(2,194,307)	(2,136,053)	51.28%	(1,095,304)	1,040,749	(2,136,053)	(1,095,304)	1,040,749
Brookings CAPX	(5,799,836)	(5,697,947)	20.29%	(1,155,999)	4,541,947	(5,697,947)	(1,155,999)	4,541,947
BSAT-BSS-Brookings	(6,837,257)	(6,378,506)	1.94%	(123,743)	6,254,763	(6,378,106)	(123,735)	6,254,370
BSAT-BSS-Ellendale	(6,091,335)	(5,876,824)	1.94%	(114,010)	5,762,813	(5,876,824)	(114,010)	5,762,813
<b>Total ADIT - ADJUSTMENT</b>	<b>(45,847,733)</b>	<b>(44,431,821)</b>		<b>(20,524,430)</b>	<b>23,907,391</b>	<b>(44,431,421)</b>	<b>(20,524,422)</b>	<b>23,906,999</b>

ND Transmission Recovery Adjustment  
 2018 Test Year

	12 ME	Retail %	Retail Share	Non-Retail Portion COSS Adjustment
<b>NOI:</b>				
<b>Operating Costs:</b>				
Fargo CAPX	24,986	73.99%	18,486	(6,500)
Bemidji CAPX	40,126	91.01%	36,517	(3,609)
Cass Lake	-	35.00%	-	-
Rugby	-	100.00%	-	-
Casselton-Buffalo	-	51.28%	-	-
Brookings CAPX	7,671	20.29%	1,556	(6,115)
BSAT-BSS-Brookings	-	1.94%	-	-
BSAT-BSS-Ellendale	-	1.94%	-	-
<b>Total Operating Costs - ADJUSTMENT</b>	<b>72,783</b>		<b>56,560</b>	<b>(16,223)</b>
<b>Book Depreciation</b>				
Fargo CAPX	1,256,608	73.99%	929,727	(326,882)
Bemidji CAPX	305,102	91.01%	277,661	(27,441)
Cass Lake	111,890	35.00%	39,163	(72,727)
Rugby	6,154	100.00%	6,154	-
Casselton-Buffalo	137,754	51.28%	70,636	(67,118)
Brookings CAPX	413,055	20.29%	83,801	(329,254)
BSAT-BSS-Brookings	1,405,940	1.94%	27,275	(1,378,665)
BSAT-BSS-Ellendale	-	1.94%	-	-
<b>Total Book Depreciation - ADJUSTMENT</b>	<b>3,636,503</b>		<b>1,434,416</b>	<b>(2,202,087)</b>
<b>Property Tax:</b>				
Fargo CAPX	1,522,715	73.99%	1,126,611	(396,104)
Bemidji CAPX	305,393	91.01%	277,926	(27,467)
Cass Lake	131,647	35.00%	46,078	(85,569)
Rugby	3,076	100.00%	3,076	-
Casselton-Buffalo	62,530	51.28%	32,064	(30,467)
Brookings CAPX	492,224	20.29%	99,862	(392,361)
BSAT-BSS-Brookings	392,584	1.94%	7,616	(384,968)
BSAT-BSS-Ellendale	471,441	1.94%	9,146	(462,295)
<b>Total Property Tax - ADJUSTMENT</b>	<b>3,381,611</b>		<b>1,602,379</b>	<b>(1,779,231)</b>
<b>Schedule 26 Revenue:</b>				
<b>Total Schedule 26 Revenue</b>	(17,270,520)			
Fargo CAPX	(11,578,675)	73.99%	(8,566,714)	3,011,961
Bemidji CAPX	(2,527,541)	91.01%	(2,300,214)	227,327
Cass Lake	(1,078,199)	35.00%	(377,380)	700,818
Rugby	(60,101)	100.00%	(60,101)	-
Casselton-Buffalo	(2,019,096)	51.28%	(1,035,332)	983,764
<b>Total Schedule 26 Revenue allocated - ADJUSTMENT</b>	<b>(17,263,612)</b>		<b>(12,339,741)</b>	<b>4,923,870</b>
<b>Schedule 26 True-up:</b>				
<b>Total Schedule 26 True-up</b>	-			
Fargo CAPX	-	73.99%	-	-
Bemidji CAPX	-	91.01%	-	-
Cass Lake	-	35.00%	-	-
Rugby	-	100.00%	-	-
Casselton-Buffalo	-	51.28%	-	-
<b>Total Schedule 26 True-up allocated - ADJUSTMENT</b>	<b>-</b>		<b>-</b>	<b>-</b>
<b>Schedule 26a Revenue:</b>				
<b>Total Schedule 26a Revenue</b>	(26,068,379)			
Brookings CAPX	(3,571,448)	20.29%	(724,575)	2,846,873
BSAT-BSS-Brookings	(10,276,630)	1.94%	(199,367)	10,077,264
BSAT-BSS-Ellendale	(12,220,300)	1.94%	(237,074)	11,983,226
<b>Total Schedule 26a Revenue - ADJUSTMENT</b>	<b>(26,068,379)</b>		<b>(1,161,016)</b>	<b>24,907,363</b>
<b>Total Schedule 26 and 26a</b>				<b>29,831,233</b>
<b>Schedule 26a True-up:</b>				
<b>Total Schedule 26a True-up Revenue</b>	-			
Brookings CAPX	-	20.29%	-	-
BSAT-BSS-Brookings	-	1.94%	-	-
BSAT-BSS-Ellendale	-	1.94%	-	-
<b>Total Schedule 26 True-up - ADJUSTMENT</b>	<b>-</b>		<b>-</b>	<b>-</b>

**Otter Tail Power Company  
 Removal of Reagent and Allowances-Direct assign to MN  
 2018 Test Year**

Line  
 No.

1			
2	<b>MN portion of OTP Costs for Reagents plus SO2 Allowances</b>		(1,263,390)
3			
4			
5	Base Demand % Amount	75.02%	(947,795)
6	Peak Demand % Amount	24.98%	(315,595)
7			(1,263,390)

**Otter Tail Power Company**  
**Removal of SPP Schedule 9 and 11 Expenses-Direct assign to MN**  
**2018 Test Year**

Line  
No.

1		
2	<b>MN portion of OTP Costs for SPP 9 and 11 Expenses</b>	(1,184,949)
3		
4		

Otter Tail Power Company  
Wholesale Margins Adjustment  
2018 Base Year

Line No.	Asset-Based <u>Total Asset-Based and ASM</u>	2018 Base Year	85% Base Year Adjustment
1	Revenue in COSS (F/S)	100,174	(85,148)
2	Expense (adj to PS margin)	<u>103,690</u>	<u>(88,137)</u>
3	Margin	(3,516)	2,989

**Otter Tail Power Company  
ND Proration of ADIT for Riders  
2018 Test Year**

		Rider Revenue without Prorate ADIT	Rider Revenue with Prorate ADIT	Adjustment with Prorate ADIT
1	<b>NOI:</b>			
	<b>Operating Revenue:</b>			
2	Transmission Rider	7,913,279	7,916,168	2,889
3	Environmental Rider	8,357,519	8,360,688	3,169
4	Wind Rider	9,211,884	9,240,703	28,819
5	<b>Total</b>	<b>\$25,482,682</b>	<b>\$25,517,559</b>	<b>\$34,877</b>
6				

Volume 4A

C. Interim Cost of Service Study

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Interim Test Year

NORTH DAKOTA

PAGE 1 - 1

LINE NO	ITEM	ALLOC	REFERENCE	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	RATE BASE		Page 2-1 Line 32	773,581,206	222,127,329	551,453,877	1
2							2
3	TOTAL AVAILABLE FOR RETURN		Page 7-1 Line 43	67,375,892	9,741,842	57,634,049	3
4							4
5	RATE OF RETURN EARNED			8.71%	4.39%	10.45%	5
6							6
7	RATE OF RETURN REQUESTED		Page 17-1 Line 11		7.97%		7
8							8
9	OPERATING INCOME REQUIRED				17,703,548		9
10							10
11	TOTAL AVAILABLE FOR RETURN				9,741,842		11
12							12
13	OPERATING INCOME DEFECIENCY				7,961,706		13
14							14
15	INCREMENTAL TAXES	GRCF =	1.607756		4,838,773		15
16							16
17	REVENUE INCREASE REQUIRED				12,800,479		17
18							18
19	PERCENTAGE INCREASE				10.44%		19
20							20
21							21
22							22
23							23
24							24
25	RETURN ON EQUITY				3.49%		25
26							26
27							27
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Interim Test Year

PAGE 2 - 1

LINE NO	ITEM	ALLOC	REFERENCE	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	ELECTRIC PLANT IN SERVICE		Page 3-1 Line 52	1,422,111,765	529,263,615	892,848,150	1
2							2
3	ACCUMULATED DEPRECIATION		Page 4-12 Line 22	(639,479,296)	(256,695,448)	(382,783,847)	3
4							4
5	NET PLANT EXCLUDING BIG STONE PLANT CAPITALIZED ITEMS			782,632,470	272,568,167	510,064,303	5
6							6
7	NET CAPITALIZED ITEMS - BIG STONE PLANT		Page 4-1 Line 28	0	0	0	7
8							8
9	NET ELECTRIC PLANT IN SERVICE			782,632,470	272,568,167	510,064,303	9
10							10
11	PLANT HELD FOR FUTURE USE		Page 4-1 Line 47	29,657	13,044	16,613	11
12							12
13	CONSTRUCTION WORK IN PROGRESS		Page 5-1 Line 31	125,054,506	271,748	124,782,759	13
14							14
15	MATERIALS AND SUPPLIES		Page 5-1 Line 39	19,265,037	7,946,645	11,318,392	15
16							16
17	FUEL STOCKS		Page 5-1 Line 46	12,099,676	4,430,805	7,668,871	17
18							18
19	PREPAYMENTS		Page 5-1 Line 49	(36,579,505)	(12,739,580)	(23,839,925)	19
20							20
21	CUSTOMER ADVANCES		Page 5-1 Line 51	(1,013,988)	(353,143)	(660,846)	21
22							22
23	CASH WORKING CAPITAL		Page 5-1 Line 53	13,974,142	3,454,881	10,519,262	23
24							24
25	ACCUMULATED DEFERRED INCOME TAXES		Page 6-1 Line 16	(141,880,789)	(53,465,238)	(88,415,551)	25
26							26
27	UNAMORTIZED BALANCE - SPIRITWOOD		Page 6-1 Line 19	0	0	0	27
28							28
29	UNAMORTIZED RATE CASE EXPENSE		Page 6-1 Line 22	0	0	0	29
30							30
31							31
32	<b>TOTAL AVERAGE RATE BASE</b>			<b>773,581,206</b>	<b>222,127,329</b>	<b>551,453,877</b>	<b>32</b>
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<b>PLANT IN SERVICE</b>						1
2	A/C 101 & 106 - Direct MN	Direct MN		3,520,019	0	3,520,019	2
3	A/C 101 & 106 - Direct ND	Direct ND		471,573	471,573	0	3
4	A/C 101 & 106 - Direct SD	Direct SD		1,146,073	0	1,146,073	4
5	<b>Subtotal A/C 101 &amp; 106 - Direct Assigned</b>			<b>5,137,665</b>	<b>471,573</b>	<b>4,666,092</b>	5
6							6
7	<b>PRODUCTION PLANT</b>						7
8	A/C 101 & 106 - BASE DEMAND	E1		376,022,810	134,083,371	241,939,440	8
9	PEAK DEMAND	D1		47,798,244	19,043,037	28,755,207	9
10	BASE ENERGY	E2		32,751	12,307	20,444	10
11							11
12	<b>SUBTOTAL A/C 101 &amp; 106</b>			<b>428,991,470</b>	<b>153,610,287</b>	<b>275,381,183</b>	12
13							13
14	A/C 114 - BASE DEMAND	E1		1,298,081	462,874	835,207	14
15	PEAK DEMAND	D1		290,174	115,607	174,567	15
16	BASE ENERGY	E1		0	0	0	16
17							17
18	<b>SUBTOTAL A/C 114</b>			<b>1,588,255</b>	<b>578,480</b>	<b>1,009,774</b>	18
19							19
20	<b>TOTAL PRODUCTION PLANT</b>	P10	310-317, 330-335, 340-347	<b>430,579,725</b>	<b>154,188,767</b>	<b>276,390,957</b>	20
21							21
22	<b>TRANSMISSION PLANT</b>						22
23	A/C 101 & 106	D2		264,273,051	104,649,241	159,623,810	23
24	A/C 101 & 106 (Direct FERC)	Direct FERC		126,520,627	0	126,520,627	24
25	A/C 114	D2		58,287	23,081	35,206	25
26							26
27	<b>TOTAL TRANSMISSION PLANT</b>		350-350.1, 353-356, 358	<b>390,851,965</b>	<b>104,672,322</b>	<b>286,179,643</b>	27
28							28
29							29
30	<b>DISTRIBUTION PLANT</b>						30
31	PRIMARY DEMAND	D3	360, 362, 364-365, 367	186,296,581	85,455,191	100,841,391	31
32	SECONDARY DEMAND	D4	365, 367-369.1	102,024,443	48,993,034	53,031,409	32
33	PRIMARY CUSTOMER	C2	364-365, 367	78,110,165	34,970,609	43,139,556	33
34	SECONDARY CUSTOMER	C3	365, 367-369.1, 370.2	74,280,016	33,265,375	41,014,641	34
35	STREETLIGHTING	C4	364-365, 367, 373	13,953,157	6,080,955	7,872,203	35
36	AREA LIGHTING	C5	364-365, 367, 371.2	8,020,685	4,151,739	3,868,946	36
37	METERS	C6	370	26,594,087	11,882,166	14,711,920	37
38	LOAD MANAGEMENT	C9	370.1	8,713,737	3,794,879	4,918,858	38
39							39
40	<b>TOTAL DISTRIBUTION PLANT</b>	P60		<b>497,992,871</b>	<b>228,593,947</b>	<b>269,398,924</b>	40
41							41
42							42
43	<b>GENERAL PLANT</b>						43
44	PRODUCTION	P10		33,683,326	12,061,856	21,621,470	44
45	TRANSMISSION	D2		13,030,498	5,159,935	7,870,563	45
46	DISTRIBUTION	P60		21,099,100	9,685,132	11,413,968	46
47	CUSTOMER ACCOUNTS	OCX		16,779,859	7,380,245	9,399,614	47
48	CUSTOMER SERVICE & INFO	OXI		3,709,137	1,655,501	2,053,636	48
49	LOAD MANAGEMENT	C9	397.3	317,859	138,429	179,429	49
50							50
51	<b>TOTAL GENERAL PLANT</b>	P90	389-398, 390.1-390.3, 391.1-391.6, 394.2, 397.1-397.2	<b>88,619,779</b>	<b>36,081,097</b>	<b>52,538,682</b>	51
52							52
53							53
54	<b>INTANGIBLE PLANT</b>	P90	302-303	<b>14,067,426</b>	<b>5,727,482</b>	<b>8,339,944</b>	54
55							55
56							56
57							57
58	<b>TOTAL PLANT IN SERVICE</b>	EPIS		<b>1,422,111,765</b>	<b>529,263,615</b>	<b>892,848,150</b>	58
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	ACCUMULATED DEPRECIATION						1
2	PRODUCTION PLANT						2
3	BASE DEMAND	E1	108, 115	(223,576,017)	(79,723,424)	(143,852,593)	3
4	PEAK DEMAND	D1	108, 115	(46,728,160)	(18,616,711)	(28,111,450)	4
5	BASE ENERGY	E2	108	15,504	5,826	9,678	5
6	TOTAL PRODUCTION PLANT			(270,288,673)	(98,334,308)	(171,954,365)	6
7							7
8							8
9							9
10	TRANSMISSION PLANT	D2	108, 115	(114,281,523)	(45,254,235)	(69,027,289)	10
11	TRANSMISSION PLANT (Direct FERC)	Direct FERC		(4,418,753)	0	(4,418,753)	11
12	TOTAL TRANSMISSION PLANT			(118,700,277)	(45,254,235)	(73,446,042)	12
13							13
14							14
15	DISTRIBUTION PLANT	P60	108, 115	(214,337,362)	(98,387,400)	(115,949,962)	15
16							16
17	GENERAL PLANT	P90	108	(34,142,419)	(13,900,914)	(20,241,505)	17
18							18
19							19
20							20
21	INTANGIBLE PLANT	P90	108	(2,010,565)	(818,591)	(1,191,973)	21
22							22
23	TOTAL ACCUMULATED DEPRECIATION			(639,479,296)	(256,695,448)	(382,783,847)	23
24							24
25							25
26	NET PLANT EXCLUDING BSP CAPITALIZED ITEMS			782,632,470	272,568,167	510,064,303	26
27							27
28							28
29	BSP CAPITALIZED ITEMS	P10	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	29
30							30
31	TOTAL NET PLANT IN SERVICE	NEPIS		782,632,470	272,568,167	510,064,303	31
32							32
33							33
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42	PLANT HELD FOR FUTURE USE						42
43	PRODUCTION PLANT	P10		0	0	0	43
44	TRANSMISSION PLANT	D2		9,036	3,579	5,459	44
45	DISTRIBUTION PLANT	P60		20,619	9,465	11,154	45
46	GENERAL PLANT	P90		0	0	0	46
47	INTANGIBLE PLANT	P90		0	0	0	47
48	TOTAL PLANT HELD FOR FUTURE USE		105	29,657	13,044	16,613	48
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<u>CONST WORK-IN-PROGRESS - Direct Assigned</u>						1
2	PRODUCTION PLANT - Direct MN	P10	Directly Assigned to Jurisdiction	0	0	0	2
3	PRODUCTION PLANT - Direct ND	P10	Directly Assigned to Jurisdiction	0	0	0	3
4	PRODUCTION PLANT - Direct SD	P10	Directly Assigned to Jurisdiction	0	0	0	4
5	PRODUCTION PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	0	0	0	5
6	TRANSMISSION PLANT - Direct MN	D2	Directly Assigned to Jurisdiction	0	0	0	6
7	TRANSMISSION PLANT - Direct ND	D2	Directly Assigned to Jurisdiction	0	0	0	7
8	TRANSMISSION PLANT - Direct SD	D2	Directly Assigned to Jurisdiction	0	0	0	8
9	TRANSMISSION PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	95,776,331	0	95,776,331	9
10	DISTRIBUTION PLANT - Direct MN	P60	Directly Assigned to Jurisdiction	0	0	0	10
11	DISTRIBUTION PLANT - Direct ND	P60	Directly Assigned to Jurisdiction	0	0	0	11
12	DISTRIBUTION PLANT - Direct SD	P60	Directly Assigned to Jurisdiction	0	0	0	12
13	DISTRIBUTION PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	0	0	0	13
14	GENERAL PLANT - Direct MN	P90	Directly Assigned to Jurisdiction	0	0	0	14
15	GENERAL PLANT - Direct ND	P90	Directly Assigned to Jurisdiction	0	0	0	15
16	GENERAL PLANT - Direct SD	P90	Directly Assigned to Jurisdiction	0	0	0	16
17	GENERAL PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	0	0	0	17
18	INTANGIBLE PLANT - Direct MN	P90	Directly Assigned to Jurisdiction	0	0	0	18
19	INTANGIBLE PLANT - Direct ND	P90	Directly Assigned to Jurisdiction	0	0	0	19
20	INTANGIBLE PLANT - Direct SD	P90	Directly Assigned to Jurisdiction	0	0	0	20
21	INTANGIBLE PLANT - Direct FERC	Direct FERC	Directly Assigned to FERC	0	0	0	21
22	<b>TOTAL CWIP - Direct Assigned</b>		ALLOWED ONLY IN MN & FERC	95,776,331	0	95,776,331	22
23							23
24							24
25	<u>CONST WORK-IN-PROGRESS - SHORT-TERM</u>						25
26	PRODUCTION PLANT	P10		0	0	0	26
27	TRANSMISSION PLANT	D2		686,250	271,748	414,502	27
28	DISTRIBUTION PLANT	P60		0	0	0	28
29	GENERAL PLANT	P90		0	0	0	29
30	INTANGIBLE PLANT	P90		0	0	0	30
31							31
32	<b>TOTAL CWIP - SHORT-TERM</b>		ALLOWED ONLY IN MN, ND & FERC	686,250	271,748	414,502	32
33							33
34							34
35	<u>CONST WORK-IN-PROGRESS - LONG TERM</u>						35
36	PRODUCTION PLANT (AFUDC Projects)	P10		14,041,071	0	14,041,071	36
37	PRODUCTION PLANT (Rider Projects)	P10		0	0	0	37
38	TRANSMISSION PLANT (AFUDC Projects)	D2		5,855,294	0	5,855,294	38
39	TRANSMISSION PLANT (Rider Projects)	D2		0	0	0	39
40	DISTRIBUTION PLANT	P60		1,149,148	0	1,149,148	40
41	GENERAL PLANT	P90		1,603,969	0	1,603,969	41
42	INTANGIBLE PLANT	P90		5,942,443	0	5,942,443	42
43							43
44	<b>TOTAL CWIP - LONG TERM - AFUDC Projects</b>		ALLOWED ONLY IN MN & FERC	28,591,925	0	28,591,925	44
45	<b>TOTAL CWIP - LONG TERM - Rider Projects</b>			0	0	0	45
46							46
47							47
48	<b>TOTAL CONSTRUCTION WORK-IN-PROGRESS</b>		107	125,054,506	271,748	124,782,759	48
49							49
50							50
51	<u>MATERIALS &amp; SUPPLIES</u>						51
52	PRODUCTION	P10		5,478,732	1,961,911	3,516,822	52
53	TRANSMISSION	D2		5,450,400	2,158,299	3,292,101	53
54	DISTRIBUTION	P60		8,335,905	3,826,435	4,509,470	54
55							55
56	<b>TOTAL MATERIALS AND SUPPLIES</b>		154, 158.1	19,265,037	7,946,645	11,318,392	56
57							57
58							58
59	<u>FUEL STOCKS</u>						59
60	COAL STOCKS	E1		9,319,627	3,323,221	5,996,406	60
61	FUEL OIL STOCKS	D1		2,780,049	1,107,584	1,672,465	61
62							62
63	<b>TOTAL FUEL STOCKS</b>		1510	12,099,676	4,430,805	7,668,871	63
64							64
65							65
66	PREPAYMENTS	NEPIS	128, 228.3	(36,579,505)	(12,739,580)	(23,839,925)	66
67							67
68	CUSTOMER ADVANCES	NEPIS	235, 253	(1,013,988)	(353,143)	(660,846)	68
69							69
70	CASH WORKING CAPITAL	OX		13,974,142	3,454,881	10,519,262	70
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NORTH DAKOTA

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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<b>ACCUMULATED DEFERRED INCOME TAXES</b>						1
2	<u>ITEMS SD FLOWS THROUGH</u>						2
3	FEDERAL	NPMNR		435,531	164,922	270,609	3
4	MINNESOTA	NPISM		72,069	0	72,069	4
5	NORTH DAKOTA	NPISN		35,772	35,772	0	5
6							6
7	<b>SUBTOTAL</b>			<b>543,371</b>	<b>200,693</b>	<b>342,678</b>	7
8							8
9	<u>ALL OTHER</u>						9
10	FEDERAL	NEPIS		(48,489,753)	(16,887,573)	(31,602,180)	10
11	FEDERAL (Direct FERC)	Direct FERC		(23,906,999)	0	(23,906,999)	11
12	MINNESOTA	NPISM		(33,249,051)	0	(33,249,051)	12
13	NORTH DAKOTA	NPISN		(36,778,358)	(36,778,358)	0	13
14							14
15	<b>SUBTOTAL</b>			<b>(142,424,160)</b>	<b>(53,665,931)</b>	<b>(88,758,229)</b>	15
16							16
17	<b>TOTAL ACCUMULATED DEFERRED INCOME TAXES</b>		190,255,281-283	<b>(141,880,789)</b>	<b>(53,465,238)</b>	<b>(88,415,551)</b>	17
18							18
19	UNAMORTIZED BALANCE - SPIRITWOOD PLANT	P10		0	0	0	19
20							20
21							21
22	UNAMORTIZED RATE CASE EXPENSES	R10		0	0	0	22
23							23
24							24
25							25
26							26
27							27
28	<b>TOTAL AVERAGE RATE BASE</b>			<b>773,581,206</b>	<b>222,127,329</b>	<b>551,453,877</b>	28
29							29
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OTTER TAIL POWER COMPANY  
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LINE NO	ITEM	ALLOC	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<b>OPERATING REVENUES</b>					1
2	SALES OF ELECTRICITY		359,865,140	122,589,268	237,275,872	2
3	OTHER OPERATING REVENUE		58,232,545	9,712,037	48,520,508	3
4						4
5	<b>TOTAL OPERATING REVENUE</b>		<b>418,097,684</b>	<b>132,301,305</b>	<b>285,796,380</b>	5
6						6
7	<b>OPERATING EXPENSES</b>					7
8	PRODUCTION EXPENSES		157,419,523	58,417,943	99,001,580	8
9	TRANSMISSION EXPENSES		29,089,150	11,043,334	18,045,816	9
10	DISTRIBUTION EXPENSES		16,917,384	7,680,921	9,236,463	10
11	CUSTOMER ACCOUNTING EXPENSES		13,849,926	6,091,579	7,758,346	11
12	CUSTOMER SERVICE AND INFORMATION EXPENSES		11,097,740	1,382,509	9,715,231	12
13	SALES EXPENSES		273,627	22,472	251,155	13
14	ADMINISTRATIVE AND GENERAL EXPENSES		49,279,686	19,282,795	29,996,891	14
15	CHARITABLE CONTRIBUTIONS		0	0	0	15
16	DEPRECIATION EXPENSE		35,016,724	13,387,642	21,629,082	16
17	AMORTIZATION OF BIG STONE PLANT CAPITALIZED COSTS		0	0	0	17
18	SPIRITWOOD AMORTIZATION		0	0	0	18
19	GENERAL TAXES		13,082,883	3,936,734	9,146,149	19
20						20
21	<b>TOTAL OPERATING EXPENSES</b>		<b>326,026,642</b>	<b>121,245,929</b>	<b>204,780,713</b>	21
22						22
23	<b>NET OPERATING INCOME BEFORE INCOME TAXES</b>		<b>92,071,042</b>	<b>11,055,375</b>	<b>81,015,667</b>	23
24						24
25	<b>INCOME TAX EXPENSE</b>					25
26	INVESTMENT TAX CREDIT		(3,180,509)	(1,183,682)	(1,996,827)	26
27	DEFERRED INCOME TAXES		2,240,889	965,161	1,275,728	27
28	INCOME TAXES		27,662,345	1,532,054	26,130,291	28
29						29
30	<b>TOTAL INCOME TAX EXPENSE</b>		<b>26,722,725</b>	<b>1,313,533</b>	<b>25,409,192</b>	30
31						31
32	<b>NET OPERATING INCOME</b>		<b>65,348,317</b>	<b>9,741,842</b>	<b>55,606,475</b>	32
33						33
34	Allowance for Funds Used During Construction		2,027,574	0	2,027,574	34
35	Allowance for Funds Used During Construction - MN Only		0	0	0	35
36	Allowance for Funds Used During Construction - SD Only		0	0	0	36
37	<b>TOTAL ALLOWANCE FOR FUNDS USED DURING CONSTRUCTION</b>		<b>2,027,574</b>	<b>0</b>	<b>2,027,574</b>	37
38						38
39	<b>TOTAL AVAILABLE FOR RETURN</b>		<b>67,375,892</b>	<b>9,741,842</b>	<b>57,634,049</b>	39
40						40
41	AVERAGE CENTS PER KWH					41
42						42
43						43
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OTTER TAIL POWER COMPANY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS		TOTAL COMPANY		NORTH DAKOTA		ALL OTHER	LINE NO
1	<b>OPERATING REVENUES</b>									1
2										2
3	<b>SALES OF ELECTRICITY</b>	R10	440, 442, 444-445	108, 115	359,865,140		122,589,268		237,275,872	3
4										4
5										5
6	<b>OTHER OPERATING REVENUES</b>									6
7	SALES FOR RESALE									7
8	MUNICIPALITIES & OFF SYSTEM SALES			DIRECTLY ASSIGNED TO FERC JURISDICTION	198,999		0		198,999	8
9	NON-ASSOCIATED UTILITIES, CO-OPS & OPA									9
10	BUY SELL TRANSACTIONS	D2			0		0		0	10
11	ALL OTHER TRANSACTIONS									11
12	BASE DEMAND	E1			0		0		0	12
13	PEAK DEMAND	D1			0		0		0	13
14	BASE ENERGY	E2			15,026		5,646		9,380	14
15	PEAK ENERGY	D1			0		0		0	15
16										16
17	<b>TOTAL ALL OTHER TRANSACTIONS</b>				15,026		5,646		9,380	17
18										18
19	<b>TOTAL SALES FOR RESALE</b>				214,025		5,646		208,378	19
20										20
21										21
22	<b>OTHER ELECTRIC REVENUES</b>									22
23	LATE FEES	C1	450	DIRECTLY ASSIGNED TO JURISDICTION	705,671		277,669		428,002	23
24	CONNECTION FEES	C1	451	DIRECTLY ASSIGNED TO JURISDICTION	353,894		135,015		218,879	24
25	RENT FROM ELECTRIC PROPERTY	NEPIS	454		568,008		197,821		370,187	25
26	RENT FROM ELECTRIC PROPERTY - BIG STONE	NEPIS	454		11,825		4,118		7,707	26
27	RENT FROM ELECTRIC PROPERTY - COYOTE	NEPIS	454		9,800		3,413		6,387	27
28	OTHER MISC ELECTRIC REVENUE	NEPIS	456		2,576,976		897,486		1,679,490	28
29	OTHER MISC ELECTRIC REVENUE - MN	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	0		0		0	29
30	OTHER MISC ELECTRIC REVENUE - ND	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	0		0		0	30
31	OTHER MISC ELECTRIC REVENUE - SD	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	0		0		0	31
32	ITA DEFICIENCY PAYMENTS	NEPIS	456		1,773,638		617,707		1,155,932	32
33		NEPIS			0		0		0	33
34	MISCELLANEOUS SERVICES	NEPIS			28,101		9,787		18,314	34
35	WHEELING		456	DIRECTLY ASSIGNED TO FERC JURISDICTION	439,772		0		439,772	35
36	LOAD CONTROL AND DISPATCH	NEPIS	456		21,716,925		7,563,374		14,153,550	36
37	LOAD CONTROL AND DISPATCH (Direct FERC)	Direct FERC	456	DIRECTLY ASSIGNED TO FERC JURISDICTION	29,831,233		0		29,831,233	37
38	RESIDENTIAL CONSERVATION SERVICES	C1	456	DIRECTLY ASSIGNED TO JURISDICTION	2,676		0		2,676	38
39										39
40	<b>TOTAL OTHER ELECTRIC REVENUES</b>				58,018,520		9,706,390		48,312,130	40
41										41
42	<b>TOTAL OTHER OPERATING REVENUES</b>				58,232,545		9,712,037		48,520,508	42
43										43
44							0		0	44
45	<b>TOTAL OPERATING REVENUES</b>				418,097,684		132,301,305		285,796,380	45
46										46
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<b>OPERATING EXPENSES</b>						1
2	<b>PRODUCTION EXPENSES</b>						2
3	PROD EXPENSES EXCLUDING PURCHASED POWER						3
4	BASE DEMAND	E1	500, 502, 505-507, 509-511, 535, 537-543, 546, 548-554, 556-557	15,816,424	5,639,869	10,176,555	4
5	PEAK DEMAND	D1	500, 502, 506-507, 509-511, 535, 537-543, 546, 548-554, 556-557	3,422,425	1,363,510	2,058,916	5
6	BASE ENERGY	E2	501, 512-514, 544-546, 548-554	66,148,362	24,856,796	41,291,566	6
7	PEAK ENERGY	D1	547	508,600	202,629	305,971	7
8	BASE DEMAND (Direct MN)			1,032,569	0	1,032,569	8
9	PEAK DEMAND (Direct MN)			230,821	0	230,821	9
10							10
11	<b>TOTAL EXCLUDING PURCHASED POWER</b>			<b>87,159,201</b>	<b>32,062,803</b>	<b>55,096,397</b>	11
12					0		12
13					0		13
14	PURCHASED POWER				0		14
15	BUY SELL TRANSACTIONS	D2		0	0	0	15
16	ALL OTHER TRANSACTIONS				0		16
17	BASE DEMAND	E1	555	2,439,877	870,019	1,569,858	17
18	PEAK DEMAND	D1		0	0	0	18
19	BASE ENERGY	E2	555	67,820,445	25,485,120	42,335,325	19
20	PEAK ENERGY	D1		0	0	0	20
21							21
22	<b>TOTAL ALL OTHER TRANSACTIONS</b>			<b>70,260,322</b>	<b>26,355,139</b>	<b>43,905,183</b>	22
23							23
24	<b>TOTAL PURCHASED POWER</b>			<b>70,260,322</b>	<b>26,355,139</b>	<b>43,905,183</b>	24
25							25
26	<b>TOTAL PRODUCTION EXPENSES</b>			<b>157,419,523</b>	<b>58,417,943</b>	<b>99,001,580</b>	26
27							27
28							28
29	TRANSMISSION EXPENSES	D2	560, 561.1-561.2, 561.4-561.6, 562-563, 565-568, 569.1-569.3, 570-573	27,887,977	11,043,334	16,844,643	29
30	TRANSMISSION EXPENSES (Direct MN)			1,184,949	0	1,184,949	30
31	TRANSMISSION EXPENSES (Direct FERC)	Direct FERC		16,223	0	16,223	31
32	<b>TOTAL TRANSMISSION EXPENSES</b>			<b>29,089,150</b>	<b>11,043,334</b>	<b>18,045,816</b>	32
33							33
34							34
35	<b>DISTRIBUTION EXPENSES</b>						35
36	PRIMARY DEMAND	D3	580-584, 588-590, 592-594, 598	5,246,930	2,406,793	2,840,136	36
37	SECONDARY DEMAND	D4	580-581, 583-584, 588, 590, 593-595, 598	1,880,361	902,966	977,395	37
38	PRIMARY CUSTOMER	C2	580-581, 583-584, 588-590, 593-594, 598	3,090,357	1,383,580	1,706,777	38
39	SECONDARY CUSTOMER	C3	580-581, 583-584, 587-588, 590, 593-595, 598	2,200,175	985,321	1,214,854	39
40	STRETLIGHTING	C4	580-581, 583-585, 588-590, 593-594, 596, 598	1,662,551	724,560	937,991	40
41	AREA LIGHTING	C5	580-581, 583-584, 588-590, 593-594, 598	143,049	74,046	69,003	41
42	METERS	C6	580-581, 586, 588, 597-598	2,693,960	1,203,654	1,490,306	42
43	LOAD MANAGEMENT	C9		0	0	0	43
44							44
45	<b>TOTAL DISTRIBUTION</b>	OXD		<b>16,917,384</b>	<b>7,680,921</b>	<b>9,236,463</b>	45
46							46
47							47
48	<b>CUSTOMER ACCOUNTING EXPENSES</b>						48
49	METER READING	C7	901-902	5,356,450	2,289,472	3,066,978	49
50	OTHER	C8	901, 903-905	8,493,476	3,802,108	4,691,368	50
51							51
52	<b>TOTAL CUSTOMER ACCOUNTS</b>	OXC		<b>13,849,926</b>	<b>6,091,579</b>	<b>7,758,346</b>	52
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS		TOTAL COMPANY		NORTH DAKOTA		ALL OTHER		LINE NO
1	<u>CUSTOMER SERVICE &amp; INFORMATION EXPENSE</u>										1
2	CONSERVATION & PROMOTIONAL REBATES	C1	908	DIRECTLY ASSIGNED TO JURISDICTION	8,000,238		0		8,000,238		2
3	OTHER	C1	907-910		3,097,502		1,382,509		1,714,992		3
4											4
5	<b>TOTAL CUSTOMER SERV &amp; INFORMATION EXP</b>	OXI			<b>11,097,740</b>		<b>1,382,509</b>		<b>9,715,231</b>		5
6											6
7											7
8	<u>SALES EXPENSES</u>										8
9	OFF-PEAK DEVELOPMENT	C1	912	DIRECTLY ASSIGNED TO JURISDICTION	223,279		0		223,279		9
10	OTHER	C1	912-913, 916		50,347		22,472		27,876		10
11											11
12	<b>TOTAL SALES EXPENSES</b>				<b>273,627</b>		<b>22,472</b>		<b>251,155</b>		12
13											13
14											14
15	<u>ADMINISTRATIVE &amp; GENERAL EXPENSES</u>										15
16	SALARIES, SUPPLIES, PENSIONS & BENEFITS										16
17	PRODUCTION	OXPD			14,499,338		5,265,949		9,233,390		17
18	TRANSMISSION	D2			5,609,114		2,221,148		3,387,966		18
19	DISTRIBUTION	OXD			9,082,327		4,123,607		4,958,721		19
20	CUSTOMER ACCOUNTS	OXC			7,223,065		3,176,903		4,046,162		20
21	CUSTOMER SERVICE & INFO	C1			1,596,637		712,628		884,009		21
22											22
23	<b>TOTAL SALARIES, SUPPLIES, PENSIONS, AND BENEFITS</b>		920-922, 926		<b>38,010,481</b>		<b>15,500,234</b>		<b>22,510,247</b>		23
24											24
25	LOAD MANAGEMENT EXPENSES	C9			0		0		0		25
26											26
27	OUTSIDE SERVICES	NEPIS	923		1,329,645		463,077		866,568		27
28											28
29	PROPERTY INSURANCE	NEPIS	924		1,623,436		565,396		1,058,040		29
30											30
31	INJURIES & DAMAGES	NEPIS	925		2,184,840		760,916		1,423,924		31
32											32
33	REGULATORY COMMISSION EXPENSE	R10	928	DIRECTLY ASSIGNED TO JURISDICTION	2,329,732		444,626		1,885,106		33
34											34
35	GENERAL ADVERTISING	C1	930.1		19,489		8,698		10,790		35
36											36
37	MISCELLANEOUS, RENTS, MAINTENANCE	P90	930.2, 931, 935		3,782,064		1,539,848		2,242,216		37
38											38
39	<b>TOTAL ADMINISTRATIVE &amp; GENERAL EXP</b>				<b>49,279,686</b>		<b>19,282,795</b>		<b>29,996,891</b>		39
40											40
41											41
42	CHARITABLE CONTRIBUTIONS	C1	426.1	DIRECTLY ASSIGNED TO JURISDICTION	0		0		0		42
43											43
44											44
45											45
46	<b>TOTAL O &amp; M EXPENSES</b>				<b>277,927,035</b>		<b>103,921,553</b>		<b>174,005,482</b>		46
47											47
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS		TOTAL COMPANY		NORTH DAKOTA		ALL OTHER		LINE NO
1	DEPRECIATION EXPENSE										1
2	PRODUCTION										2
3	BASE DEMAND	E1			10,181,475		3,630,542		6,550,933		3
4	PEAK DEMAND	D1			1,108,806		441,753		667,052		4
5	BASE ENERGY	E2			0		0		0		5
6	TOTAL PRODUCTION				11,290,280		4,072,295		7,217,986		6
7											7
8											8
9											9
10	TRANSMISSION	D2			5,102,072		2,020,365		3,081,707		10
11	TRANSMISSION (Direct FERC)	Direct FERC			2,202,087		0		2,202,087		11
12	TOTAL TRANSMISSION				7,304,159		2,020,365		5,283,794		12
13											13
14											14
15	DISTRIBUTION	P60			11,732,197		5,385,437		6,346,760		15
16											16
17											17
18	GENERAL	P90			2,285,866		930,679		1,355,187		18
19											19
20											20
21	INTANGIBLE	P90			2,404,221		978,866		1,425,354		21
22											22
23											23
24	TOTAL DEPRECIATION EXPENSE		403		35,016,724		13,367,642		21,629,082		24
25											25
26											26
27											27
28											28
29											29
30											30
31	BIG STONE EXPENSE OFFSETS	P10		DIRECTLY ASSIGNED TO JURISDICTION	0		0		0		31
32											32
33											33
34	SPIRITWOOD AMORTIZATION	P10	406	DIRECTLY ASSIGNED TO JURISDICTION	0		0		0		34
35											35
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LINE NO	ITEM	ALLOC	FERC ACCOUNTS	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	GENERAL TAXES	NEPIS		11,303,652	3,936,734	7,366,918	1
2	GENERAL TAXES (Direct FERC)	Direct FERC		1,779,231	0	1,779,231	2
3	<b>TOTAL GENERAL TAXES</b>		408.1	<b>13,082,883</b>	<b>3,936,734</b>	<b>9,146,149</b>	3
4							4
5	NET OPERATING INCOME BEFORE TAX (NOIBT)			92,071,042	11,055,375	81,015,667	5
6							6
7	<u>INVESTMENT TAX CREDIT</u>						7
8	AMORTIZE PRIOR YEARS CREDIT	EPIS		(3,180,509)	(1,183,682)	(1,996,827)	8
9	DEBITS UTILIZED	EPIS		0	0	0	9
10							10
11	<b>TOTAL INVESTMENT TAX CREDIT</b>		411.4	<b>(3,180,509)</b>	<b>(1,183,682)</b>	<b>(1,996,827)</b>	11
12							12
13	<u>DEFERRED INCOME TAXES</u>						13
14	ITEMS SOUTH DAKOTA FLOWS THROUGH						14
15	FEDERAL	NPMNR		0	0	0	15
16	MINNESOTA	NPISM		0	0	0	16
17	NORTH DAKOTA	NPISN		0	0	0	17
18							18
19	<b>SUBTOTAL</b>			<b>0</b>	<b>0</b>	<b>0</b>	19
20							20
21	<u>ALL OTHER</u>						21
22							22
23	FEDERAL- transfer from Current Income Taxes - NOL			0	0	0	23
24	FEDERAL (NEPIS)	NEPIS		(403,737)	(140,610)	(263,127)	24
25	FEDERAL			(403,737)	(140,610)	(263,127)	25
26							26
27	MINNESOTA- transfer from Current Income Taxes - NOL			0	0	0	27
28	MINNESOTA (NPISM)	NPISM		1,533,416	0	1,533,416	28
29	MINNESOTA			1,533,416	0	1,533,416	29
30							30
31	NORTH DAKOTA- transfer from Current Income Taxes - NOL			218,478	211,737	6,741	31
32	NORTH DAKOTA (NPISN)	NPISN		894,033	894,033	0	32
33	NORTH DAKOTA			1,111,210	1,105,770	5,439	33
34							34
35	<b>SUBTOTAL</b>			<b>2,240,889</b>	<b>965,161</b>	<b>1,275,728</b>	35
36							36
37	<b>TOTAL DEFERRED INCOME TAXES</b>		410.1-410.2, 411.1-411.2	<b>2,240,889</b>	<b>965,161</b>	<b>1,275,728</b>	37
38							38
39							39
40	<u>CURRENT INCOME TAXES</u>						40
41	FEDERAL- transfer to Deferred Income Taxes - NOL			0	0	0	41
42	FEDERAL CURRENT INCOME TAX			22,883,332	1,532,054	21,351,278	42
43	FEDERAL INCOME TAXES			22,883,332	1,532,054	21,351,278	43
44							44
45	MINNESOTA- transfer to Deferred Income Taxes - NOL			0	0	0	45
46	MINNESOTA CURRENT INCOME TAX			4,778,895	0	4,778,895	46
47	MINNESOTA INCOME TAXES			4,778,895	0	4,778,895	47
48							48
49	NORTH DAKOTA - transfer to Deferred Income Taxes - NOL			(218,478)	(211,737)	(6,741)	49
50	NORTH DAKOTA CURRENT INCOME TAX			218,595	211,737	6,858	50
51	NORTH DAKOTA INCOME TAXES			117	(0)	117	51
52							52
53	<b>TOTAL CURRENT INCOME TAXES</b>		409.1	<b>27,662,345</b>	<b>1,532,054</b>	<b>26,130,291</b>	53
54							54
55	<b>TOTAL INCOME TAXES</b>			<b>26,722,725</b>	<b>1,313,533</b>	<b>25,409,192</b>	55
56							56
57							57
58	<b>NET OPERATING INCOME</b>			<b>65,348,317</b>	<b>9,741,842</b>	<b>55,606,475</b>	58
59							59
60	AFDC	CWIPLT		2,027,574	0	2,027,574	60
61	AFDC - MN Only	CWIPLT		0	0	0	61
62	AFDC - SD Only	CWIPLT		0	0	0	62
63	<b>Total AFDC</b>	CWIPLT	419.1	<b>2,027,574</b>	<b>0</b>	<b>2,027,574</b>	63
64							64
65	<b>TOTAL AVAILABLE FOR RETURN</b>			<b>67,375,892</b>	<b>9,741,842</b>	<b>57,634,049</b>	65
66							66
67							67
68	RATE OF RETURN ON RATE BASE			8.71%	4.39%	10.45%	68
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OTTER TAIL POWER COMPANY  
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LINE NO	ITEM	ALLOC	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	DEVELOPMENT OF FEDERAL INCOME TAX EXPENSE					1
2						2
3	NET OPERATING INCOME BEFORE TAX (NOIBT)		92,071,042	11,055,375	81,015,667	3
4	LESS: INTEREST COST	CALCULATED BY JURISDICTION	19,453,306	5,686,460	13,766,847	4
5						5
6	NET INCOME BEFORE TAX		72,617,736	5,368,916	67,248,820	6
7						7
8	FEDERAL SCHEDULE M ADJUSTMENTS:					8
9	ADDITIONAL TAX DEPRECIATION	NEPIS	10,435,199	3,634,277	6,800,922	9
10	COST TO REMOVE	NEPIS	500,000	174,135	325,865	10
11	DIRECTLY ASSIGNED SCHEDULE M ITEMS	NEPIS DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	11
12	ACCRUED VACATION PAY	NEPIS	0	0	0	12
13	CHARGES - OPERATING RESERVES	NEPIS	8,193,954	2,853,716	5,340,237	13
14	PROVISIONS - OPERATING RESERVES	NEPIS	(2,710,794)	(944,091)	(1,766,703)	14
15	UNBILLED REVENUES	NEPIS	0	0	0	15
16	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	16
17	OTHER SCHEDULE M ITEMS	NEPIS	(14,179,063)	(4,938,156)	(9,240,907)	17
18						18
19	SUBTOTAL FEDERAL SCHEDULE M ADJUSTMENTS		2,239,296	779,882	1,459,414	19
20						20
21	FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES		70,378,440	4,589,034	65,789,406	21
22						22
23	LESS:					23
24	MINNESOTA STATE INCOME TAXES	PER MINNESOTA STATE TAX CALCULATION	4,778,895	0	4,778,895	24
25	NORTH DAKOTA STATE INCOME TAXES	PER NORTH DAKOTA STATE TAX CALCULATION	218,595	211,737	6,858	25
26						26
27	FEDERAL TAXABLE INCOME		65,380,950	4,377,297	61,003,653	27
28	FEDERAL TAX RATE		35.00%	35.00%	35.00%	28
29						29
30	FEDERAL INCOME TAX BEFORE CREDITS		22,883,332	1,532,054	21,351,278	30
31	INVESTMENT TAX CREDIT - DEBITS UTILIZED	EPIS	0	0	0	31
32	FEDERAL INCOME TAXES before transfer to Deferred due to NOL		22,883,332	1,532,054	21,351,278	32
33	Less Current Federal Income Taxes Transferred to Deferred Income Taxes due to NOL		0	0	0	33
34	FEDERAL INCOME TAXES		22,883,332	1,532,054	21,351,278	34
35						35
36						36
37						37
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61						61

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	ALLOC	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	DEVELOPMENT OF MINNESOTA STATE INCOME TAX EXPENSE					1
2						2
3	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		64,300,118	0	64,300,118	3
4						4
5	<u>MINNESOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</u>					5
6	PAYSOP ADJUSTMENT	NEPIS	0	0	0	6
7	CHANGE IN EXCESS TAX DEPRECIATION - MN	NEPIS	(16,029,040)	0	(16,029,040)	7
8	CHANGE IN ACRS - ORDINARY LOSS	NEPIS	0	0	0	8
9	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	9
10	MISCELLANEOUS ADJUSTMENTS TO FED SCHEDULE M	NEPIS	493,161	0	493,161	10
11						11
12	<b>TOTAL MINNESOTA ADJUSTMENTS TO FED SCHEDULE M</b>		(15,535,879)	0	(15,535,879)	12
13						13
14	MINNESOTA TAXABLE INCOME		48,764,239	0	48,764,239	14
15	MINNESOTA TAX RATE		9.80%	0.00%	9.80%	15
16						16
17	MINNESOTA INCOME TAX prior to transfer to Deferred Income Tax due to NOL		4,778,895	0	4,778,895	17
18	Minnesota Current Income Tax transfer to Deferred Income Tax due to NOL		0	0	0	18
19	<b>MINNESOTA INCOME TAX</b>		4,778,895	0	4,778,895	19
20						20
21						21
22						22
23						23
24						24
25						25
26						26
27	DEVELOPMENT OF NORTH DAKOTA STATE INCOME TAX EXPENSE					27
28						28
29	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		4,589,034	4,589,034	0	29
30						30
31	<u>NORTH DAKOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</u>					31
32	CHANGE IN EXCESS TAX DEPRECIATION - ND	NEPIS	(2,457)	(1,688)	(769)	32
33	CHANGE IN ACRS - ORDINARY LOSS - ND	NEPIS	0	0	0	33
34	CHANGE IN INCOME FROM ADR PROPERTY - ND	NEPIS	0	0	0	34
35	MISCELLANEOUS ADJUSTMENTS TO FED SCHEDULE M	NEPIS	502,310	345,137	157,174	35
36						36
37	<b>TOTAL NORTH DAKOTA ADJUSTMENTS TO FED SCHEDULE M</b>		499,853	343,448	156,405	37
38						38
39	<b>SUBTOTAL</b>		5,088,887	4,932,482	156,405	39
40	DEDUCTION OF FEDERAL INCOME TAXES		0	0	0	40
41						41
42	<b>NORTH DAKOTA TAXABLE INCOME</b>		5,088,887	4,882,482	206,405	42
43	NORTH DAKOTA TAX RATE		4.31%	4.31%	4.31%	43
44						44
45	NORTH DAKOTA INCOME TAX prior to transfer to Deferred Income Tax due to NOL		218,595	211,737	6,858	45
46	North Dakota Current Income Tax transfer to Deferred Income Tax due to NOL		(218,478)	(211,737)	(6,741)	46
47	<b>NORTH DAKOTA INCOME TAX</b>		117	(0)	117	47
48						48
49						49
50						50
51						51
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64						64

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ALLOCATION FACTORS

LINE NO	ITEM	FACTOR	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	MWH CONSUMPTION AT GENERATORS - PARTIAL PERCENTAGE	E1	4,717,027 100.000000%	1,682,012 35.658308%	3,035,015 64.341692%	1
2						2
3						3
4	MWH CONSUMPTION AT GENERATORS - TOTAL PERCENTAGE	E2	5,271,408 100.000000%	1,980,855 37.577342%	3,290,553 62.422658%	4
5						5
6						6
7	GENERATION DEMAND FACTOR PERCENTAGE	D1	740,845 100.000000%	295,156 39.840452%	445,689 60.159548%	7
8						8
9						9
10	TRANSMISSION DEMAND FACTOR PERCENTAGE	D2	745,364 100.000000%	295,156 39.598907%	450,208 60.401093%	10
11						11
12						12
13	DISTRIBUTION - PRIMARY DEMAND FACTOR PERCENTAGE	D3	879,600 100.000000%	403,477 45.870509%	476,123 54.129491%	13
14						14
15						15
16	DISTRIBUTION - SECONDARY DEMAND FACTOR PERCENTAGE	D4	1,168,271 100.000000%	561,014 48.020879%	607,257 51.979121%	16
17						17
18						18
19	CUSTOMER OR METER FACTORS					19
20	TOTAL RETAIL CUSTOMERS PERCENTAGE	C1	133,437 100.000000%	59,557 44.633048%	73,880 55.366952%	20
21						21
22						22
23	RETAIL SERVICE LOCATIONS PERCENTAGE	C2	140,167 100.000000%	62,754 44.770880%	77,413 55.229120%	23
24						24
25						25
26	SECONDARY SERVICE LOCATIONS PERCENTAGE	C3	140,091 100.000000%	62,738 44.783748%	77,353 55.216252%	26
27						27
28						28
29	STREET LIGHTING FACTOR PERCENTAGE	C4	5,464,004 100.000000%	2,381,279 43.581209%	3,082,725 56.418791%	29
30						30
31						31
32	AREA LIGHTING FACTOR PERCENTAGE	C5	4,786,865 100.000000%	2,477,820 51.762897%	2,309,045 48.237103%	32
33						33
34						34
35	METER FACTOR PERCENTAGE	C6	52,603,325 100.000000%	23,503,024 44.679731%	29,100,301 55.320269%	35
36						36
37						37
38	METER READING FACTOR PERCENTAGE	C7	182,297 100.000000%	77,918 42.742338%	104,379 57.257662%	38
39						39
40						40
41	SYSTEM SERVICE LOCATIONS PERCENTAGE	C8	140,192 100.000000%	62,757 44.765037%	77,435 55.234963%	41
42						42
43						43
44	LOAD MANAGEMENT FACTOR PERCENTAGE	C9	42,771 100.000000%	18,627 43.550537%	24,144 56.449463%	44
45						45
46						46
47						47
48						48
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50						50
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LINE NO	ITEM	ALLOCATION FACTORS FACTOR	TOTAL COMPANY	NORTH DAKOTA	OTHER	LINE NO
1	<u>GROSS PLANT IN SERVICE</u>					1
7	PRODUCTION PLANT	P10	430,579,725	154,188,767	276,390,957	2
8	PERCENTAGE		100.000000%	35.809575%	64.190425%	3
9						4
10	DISTRIBUTION PLANT	P60	497,992,871	228,593,947	269,398,924	5
11	PERCENTAGE		100.000000%	45.903056%	54.096944%	6
12						7
13	GENERAL PLANT	P90	88,619,779	36,081,097	52,538,682	8
14	PERCENTAGE		100.000000%	40.714497%	59.285503%	9
15						10
16						11
17	ELECTRIC PLANT IN SERVICE	EPIS	1,422,111,765	529,263,615	892,848,150	12
18	PERCENTAGE		100.000000%	37.216738%	62.783262%	13
19						14
20	<u>NET ELECTRIC PLANT IN SERVICE</u>	NEPIS	782,632,470	272,568,167	510,064,303	15
21	PERCENTAGE		100.000000%	34.827097%	65.172903%	16
22						17
23	<u>OPERATION AND MAINTENANCE EXPENSE</u>					18
24	PRODUCTION EXPENSE (EXCL ENERGY)	OXPD	21,678,726	7,873,398	13,805,328	19
25	PERCENTAGE		100.000000%	36.318544%	63.681456%	20
26						21
27						22
28	DISTRIBUTION EXPENSE	OXD	16,917,384	7,680,921	9,236,463	23
29	PERCENTAGE		100.000000%	45.402533%	54.597467%	24
30						25
31	CUSTOMER ACCOUNTS EXPENSE	OXC	13,849,926	6,091,579	7,758,346	26
32	PERCENTAGE		100.000000%	43.982759%	56.017241%	27
33						28
34	CUSTOMER SERVICE & INFORMATION EXPENSE	OXI	3,097,502	1,382,509	1,714,992	29
35	PERCENTAGE		100.000000%	44.633048%	55.366952%	30
36						31
37	<u>OTHER DEFERRED INCOME TAX FACTOR</u>					32
38	MINNESOTA	NPISM	447,239,409	0	447,239,409	33
39	PERCENTAGE		100.000000%	0.000000%	100.000000%	34
40						35
41	NORTH DAKOTA	NPISN	272,568,167	272,568,167	0	36
42	PERCENTAGE		100.000000%	100.000000%	0.000000%	37
43						38
44	EXCLUDING SOUTH DAKOTA	NPMNR	719,807,576	272,568,167	447,239,409	39
45	PERCENTAGE		100.000000%	37.866810%	62.133190%	40
46						41
47	LONG-TERM CWIP RATIO (W/AFDC)	CWIPLT	28,591,925	0	28,591,925	42
48	PERCENTAGE		100.000000%	0.000000%	100.000000%	43
49						44
50	REVENUE	R10	359,865,140	122,589,268	237,275,872	45
51	PERCENTAGE		100.000000%	34.065336%	65.934664%	46
52						47
53	LABOR AND RELATED EXPENSE	LRE	140,711,439	53,354,537	87,356,903	48
54	PERCENTAGE		100.000000%	37.917697%	62.082303%	49
55						50
56	TOTAL O & M EXPENSE	OX				51
57	PERCENTAGE					52
58						53
59						54
60						55
61						56
62						57
63						58
64						59
65						60
66						60

LINE NO.	ITEM	AMOUNT	AMOUNT AS		COST OF CAPITAL	RATE OF RETURN		LINE NO.
			A PERCENT OF TOTAL					
1	<u>CAPITAL STRUCTURE - RATE OF RETURN</u>							1
2								2
3								3
4	LONG-TERM DEBT	508,651,904	47.50%		5.39%	2.56%		4
5								5
6	PREFERRED STOCK	0	0.000%		0.00%	0.00%		6
7								7
8	COMMON EQUITY	562,251,937	52.50%		10.30%	5.41%		8
9								9
10								10
11	<b>TOTAL</b>	<b>1,070,903,841</b>	<b>100.00%</b>			<b>7.97%</b>		11
12								12
13								13
14								14
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LINE NO	ITEM	ALLOCATION	TOTAL COMPANY	NORTH DAKOTA	ALL OTHER	LINE NO
1	<u>CASH WORKING CAPITAL CALCULATION - REVENUE LEAD DAYS</u>					1
2						2
3	<u>REVENUES</u>					3
4	COMPUTER MAINTAINED BILLINGS		322,408,326	116,394,113	206,014,212	4
5	MANUALLY MAINTAINED BILLINGS		30,668,230	11,071,679	19,596,551	5
6	COST OF ENERGY REVENUES	R10	7,871,578	(4,463,840)	12,335,418	6
7	SALES FOR RESALE		190,597	5,646	184,950	7
8	RENT FROM ELECTRIC PROPERTY		568,008	197,821	370,187	8
9	MISCELLANEOUS		2,576,976	897,486	1,679,490	9
10	ITA DEFICIENCY PAYMENTS		1,773,638	617,707	1,155,932	10
11	WHEELING		439,772	0	439,772	11
12	LOAD CONTROL AND DISPATCH		21,716,925	7,563,374	14,153,550	12
13	RENT FROM ELECTRIC PROPERTY - BIG STONE		11,825	4,118	7,707	13
14	RENT FROM ELECTRIC PROPERTY - COYOTE		9,800	3,413	6,387	14
15	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	15
16	RUBBER GOODS TESTING		28,101	9,787	18,314	16
17	RESIDENTIAL CONSERVATION SERVICES		2,676	0	2,676	17
18						18
19	<b>TOTAL REVENUES</b>		<b>388,266,451</b>	<b>132,301,305</b>	<b>255,965,147</b>	19
20						20
21	<u>REVENUE LEAD DAYS FROM SERVICE TO COLLECTION</u>					21
22						22
23	COMPUTER MAINTAINED BILLINGS		N/A	43.4	N/A	23
24	MANUALLY MAINTAINED BILLINGS		N/A	41.3	N/A	24
25	COST OF ENERGY REVENUES		N/A	127.7	N/A	25
26	SALES FOR RESALE		N/A	23.1	N/A	26
27	RENT FROM ELECTRIC PROPERTY		N/A	-92.4	N/A	27
28	MISCELLANEOUS		N/A	34.9	N/A	28
29	ITA DEFICIENCY PAYMENTS		N/A	48.4	N/A	29
30	WHEELING		N/A	35.8	N/A	30
31	LOAD CONTROL AND DISPATCH		N/A	27.9	N/A	31
32	RENT FROM ELECTRIC PROPERTY - BIG STONE		N/A	39.3	N/A	32
33	RENT FROM ELECTRIC PROPERTY - COYOTE		N/A	39.3	N/A	33
34	PROFIT ON MATERIALS AND SUPPLIES		N/A	39.3	N/A	34
35	RUBBER GOODS TESTING		N/A	39.3	N/A	35
36	RESIDENTIAL CONSERVATION SERVICES		N/A	39.3	N/A	36
37						37
38						38
39	<u>REVENUE DOLLAR DAYS (REVENUES X REVENUE LEAD DAYS)</u>					39
40	COMPUTER MAINTAINED BILLINGS		13,992,521,342	5,051,504,523	8,941,016,819	40
41	MANUALLY MAINTAINED BILLINGS		1,266,597,883	457,260,331	809,337,552	41
42	COST OF ENERGY REVENUES		809,363,681	(570,108,920)	1,379,472,601	42
43	SALES FOR RESALE		4,395,161	130,206	4,264,955	43
44	RENT FROM ELECTRIC PROPERTY		(52,489,606)	(18,280,606)	(34,209,000)	44
45	MISCELLANEOUS		89,988,014	31,340,213	58,647,801	45
46	ITA DEFICIENCY PAYMENTS		85,844,099	29,897,008	55,947,092	46
47	WHEELING		15,726,231	0	15,726,231	47
48	LOAD CONTROL AND DISPATCH		605,902,201	211,018,146	394,884,056	48
49	RENT FROM ELECTRIC PROPERTY - BIG STONE		486,732	161,855	324,878	49
50	RENT FROM ELECTRIC PROPERTY - COYOTE		403,367	134,133	269,234	50
51	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	51
52	RUBBER GOODS TESTING		1,156,622	384,615	772,007	52
53	RESIDENTIAL CONSERVATION SERVICES		114,533	0	114,533	53
54						54
55	<b>TOTAL DOLLAR DAYS</b>		<b>16,820,010,261</b>	<b>5,193,441,503</b>	<b>11,626,568,758</b>	55
56						56
57						57
58	<b>AVG REVENUE LEAD DAYS (TOTAL REV DOLLAR DAYS / TOTAL REV)</b>		<b>43.3</b>	<b>39.3</b>	<b>45.4</b>	58
59						59
60						60

NORTH DAKOTA

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LINE NO	ITEM	OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS	EXCESS REVENUE LEAD DAYS OF 42.8 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1							1
2	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF LEAD-LAG FACTORS-MINNESOTA JURISDICTION						2
3	FUEL - COAL	E2	28,396,748	77,799	15.6	27.3	3
4							4
5	FUEL - OIL	E1	33,457	92	11.2	31.6	5
6							6
7	PURCHASED POWER		37,542,735	102,857	31.6	11.2	7
8							8
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE	3,101,084	8,496	15.1	27.7	9
10							10
11	ALL OTHER O&M EXPENSE		78,012,045	213,732	13.1	29.7	11
12							12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)		4,438,028	12,159	299.6	-256.8	13
14							14
15	COAL CONVERSION TAXES		228,732	627	33.3	9.5	15
16							16
17	FEDERAL INCOME TAXES		13,826,746	37,881	0.0	42.8	17
18							18
19	STATE INCOME TAXES		3,072,650	8,418	0.0	42.8	19
20							20
21	INCREMENTAL FEDERAL INCOME TAXES		0	0	0.0	42.8	21
22							22
23	INCREMENTAL STATE INCOME TAXES		0	0	0.0	42.8	23
24							24
25	BANK BALANCES	NEPIS				4,046	25
26							26
27	SPECIAL DEPOSITS	NEPIS				3,096	27
28							28
29	WORKING FUNDS	NEPIS				5,145	29
30							30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDING	LRE	(2,664,119)	(7,299)	0.0	0	31
32							32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHHOLDING	LRE	(4,336,042)	(11,880)	0.0	0	33
34							34
35	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- MN	R10	(1,900,000)	(5,205)	1.9	(9,942)	35
36							36
37	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- ND	R10	0	0	69.1	0	37
38							38
39	TAX COLLECTIONS AVAILABLE - STATE SALES TAX	R10	(9,417,230)	(25,801)	12.7	(327,410)	39
40							40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE TAXES	R10	(1,649,127)	(4,518)	27.6	(124,520)	41
42							42
43							43
44	<b>TOTAL CASH WORKING CAPITAL REQUIREMENT - MINNESOTA</b>					<b>8,279,527</b>	44
45							45
46							46
47							47
48							48
49							49
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LINE NO	ITEM		OPERATING EXPENSE		EXPENSE PER DAY 365 DAYS PER YEAR		EXPENSE LAG DAYS		EXCESS REVENUE LEAD DAYS OF 39.3 OVER EXPENSE LAG DAYS		NET REVENUE LAG DOLLARS		LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF												1
2	LEAD-LAG FACTORS-NORTH DAKOTA JURISDICTION												2
3	FUEL - COAL	E2	19,990,895		54,770		15.5		23.8		1,302,968		3
4													4
5	FUEL - OIL	E1	21,698		59		11.2		28.1		1,669		5
6													6
7	PURCHASED POWER		26,355,139		72,206		31.6		7.7		557,429		7
8													8
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE	2,278,180		6,242		15.1		24.2		150,984		9
10													10
11	ALL OTHER O&M EXPENSE		55,275,641		151,440		13.1		26.2		3,968,594		11
12													12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)		3,743,783		10,257		299.6		-260.3		(2,670,241)		13
14													14
15	COAL CONVERSION TAXES		192,951		529		33.3		6.0		3,161		15
16													16
17	FEDERAL INCOME TAXES		1,532,960		4,200		0.0		39.3		164,958		17
18													18
19	STATE INCOME TAXES		(0)		(0)		0.0		39.3		0		19
20													20
21	INCREMENTAL FEDERAL INCOME TAXES		0		0		0.0		39.3		0		21
22													22
23	INCREMENTAL STATE INCOME TAXES		0		0		0.0		39.3		0		23
24													24
25	BANK BALANCES	NEPIS									3,413		25
26													26
27	SPECIAL DEPOSITS	NEPIS									2,612		27
28													28
29	WORKING FUNDS	NEPIS									4,340		29
30													30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDING	LRE	(1,957,168)		(5,362)		0.0				0		31
32													32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHHOLDING	LRE	(3,185,429)		(8,727)		0.0				0		33
34													34
35	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- MN	R10 ASSIGN TO JURIS	0		0		1.9				0		35
36													36
37	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- ND	R10 ASSIGN TO JURIS	(185,000)		(507)		69.1				(34,998)		37
38													38
39	TAX COLLECTIONS AVAILABLE - STATE SALES TAX	R10	(143)		(0)		23.8				(9)		39
40													40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE TAXES	R10	0		0		0.0				0		41
42													42
43													43
44	<b>TOTAL CASH WORKING CAPITAL REQUIREMENT - NORTH DAKOTA</b>										<b>3,454,881</b>		44
45													45
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NORTH DAKOTA

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Interim Test Year

LINE NO	ITEM		OPERATING EXPENSE		EXPENSE PER DAY 365 DAYS PER YEAR		EXPENSE LAG DAYS		EXCESS REVENUE LEAD DAYS OF 66.4 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS		LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF											1
2	LEAD-LAG FACTORS-SOUTH DAKOTA JURISDICTION											2
3	FUEL - COAL									665,388		3
4												4
5	FUEL - OIL	E2	4,772,381		13,075		15.5		50.9			5
6												6
7	PURCHASED POWER	E1	5,643		15		11.2		55.2	853		7
8												8
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE	6,310,284		17,288		31.6		34.8	601,984		9
10												10
11	ALL OTHER O&M EXPENSE		533,937		1,463		15.1		51.3	75,029		11
12												12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)		12,955,922		35,496		13.1		53.3	1,892,122		13
14												14
15	COAL CONVERSION TAXES		862,913		2,364		299.6		-233.2	(551,402)		15
16												16
17	FEDERAL INCOME TAXES		44,474		122		33.3		33.1	4,031		17
18												18
19	STATE INCOME TAXES		521,251		1,428		0.0		66.4	94,825		19
20												20
21	INCREMENTAL FEDERAL INCOME TAXES		0		0		0.0		66.4	0		21
22												22
23	INCREMENTAL STATE INCOME TAXES		0		0		0.0		66.4	0		23
24												24
25	BANK BALANCES	NEPIS								787		25
26												26
27	SPECIAL DEPOSITS	NEPIS								602		27
28												28
29	WORKING FUNDS	NEPIS								1,000		29
30												30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDING	LRE	(458,702)		(1,257)		0.0			0		31
32												32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHHOLDING	LRE	(746,569)		(2,045)		0.0			0		33
34												34
35	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- MN	R10	0		0		1.9			0		35
36		ASSIGN TO JURIS										36
37	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- ND	R10	0		0		69.1			0		37
38		ASSIGN TO JURIS										38
39	TAX COLLECTIONS AVAILABLE - STATE SALES TAX	R10	(1,268,662)		(3,476)		13.7			(47,479)		39
40												40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE TAXES	R10	0		0		0.0			0		41
42												42
43												43
44	<b>TOTAL CASH WORKING CAPITAL REQUIREMENT - SOUTH DAKOTA</b>									<b>2,737,739</b>		44
45												45
46												46
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Interim Test Year

LINE NO	ITEM	OPERATING EXPENSE	EXPENSE PER DAY 365 DAYS PER YEAR	EXPENSE LAG DAYS	EXCESS REVENUE LEAD DAYS OF 28.2 OVER EXPENSE LAG DAYS	NET REVENUE LAG DOLLARS	LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF LEAD-LAG FACTORS-FERC JURISDICTION						1
2	FUEL - COAL	E2	39,309	108	15.6	1,367	2
3	FUEL - OIL	E1	51	0	11.2	2	3
4	PURCHASED POWER		52,163	143	31.6	(483)	4
5	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE	95,022	260	15.1	3,408	5
6	ALL OTHER O&M EXPENSE		2,154,699	5,903	13.1	89,173	6
7	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)		1,704,902	4,671	299.6	(1,267,863)	7
8	COAL CONVERSION TAXES		87,869	241	33.3	(1,233)	8
9	FEDERAL INCOME TAXES		7,003,322	19,187	0.0	541,079	9
10	STATE INCOME TAXES		1,706,246	4,675	0.0	131,825	10
11	INCREMENTAL FEDERAL INCOME TAXES		0	0	0.0	0	11
12	INCREMENTAL STATE INCOME TAXES		0	0	0.0	0	12
13	BANK BALANCES	NEPIS				1,554	13
14	SPECIAL DEPOSITS	NEPIS				1,190	14
15	WORKING FUNDS	NEPIS				1,976	15
16	TAX COLLECTIONS AVAIL - FICA WITHHOLDING	LRE	(81,633)	(224)	0.0	0	16
17	TAX COLLECTIONS AVAIL - FEDERAL WITHHOLDING	LRE	(132,863)	(364)	0.0	0	17
18	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- MN	R10 ASSIGN TO JURIS	0	0	1.9	0	18
19	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- ND	R10 ASSIGN TO JURIS	0	0	69.1	0	19
20	TAX COLLECTIONS AVAILABLE - STATE SALES TAX	R10	0	0	0.0	0	20
21	TAX COLLECTIONS AVAILABLE - FRANCHISE TAXES	R10	0	0	0.0	0	21
22	TOTAL CASH WORKING CAPITAL REQUIREMENT - FERC					(498,005)	22

OTTER TAIL POWER COMPANY  
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LINE NO	ITEM		OPERATING EXPENSE		EXPENSE PER DAY 365 DAYS PER YEAR		EXPENSE LAG DAYS		EXCESS REVENUE LEAD DAYS OF 43.3 OVER EXPENSE LAG DAYS		NET REVENUE LAG DOLLARS		LINE NO
1	CASH WORKING CAPITAL CALCULATION BY THE APPLICATION OF												1
2	LEAD-LAG FACTORS - TOTAL CO.												2
3	FUEL - COAL	E2									4,092,866		3
4													4
5	FUEL - OIL	E1									5,420		5
6													6
7	PURCHASED POWER										2,312,983		7
8													8
9	LABOR AND ASSOCIATED PAYROLL EXPENSE	LRE									464,679		9
10													10
11	ALL OTHER O&M EXPENSE										12,298,937		11
12													12
13	PROPERTY TAXES (EXCL COAL CONVERSION TAXES)										(7,612,359)		13
14													14
15	COAL CONVERSION TAXES										11,900		15
16													16
17	FEDERAL INCOME TAXES										2,422,189		17
18													18
19	STATE INCOME TAXES										492,125		19
20													20
21	INCREMENTAL FEDERAL INCOME TAXES										0		21
22													22
23	INCREMENTAL STATE INCOME TAXES										0		23
24													24
25	BANK BALANCES	NEPIS									9,800		25
26													26
27	SPECIAL DEPOSITS	NEPIS									7,500		27
28													28
29	WORKING FUNDS	NEPIS									12,462		29
30													30
31	TAX COLLECTIONS AVAIL - FICA WITHHOLDING	LRE									0		31
32													32
33	TAX COLLECTIONS AVAIL - FEDERAL WITHHOLDING	LRE									0		33
34													34
35	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- MN	R10	ASSIGN TO JURIS								(9,942)		35
36													36
37	TAX COLLECTIONS AVAIL - STATE WITHHOLDING- ND	R10	ASSIGN TO JURIS								(34,998)		37
38													38
39	TAX COLLECTIONS AVAILABLE - STATE SALES TAX	R10									(374,899)		39
40													40
41	TAX COLLECTIONS AVAILABLE - FRANCHISE TAXES	R10									(124,520)		41
42													42
43													43
44	TOTAL CASH WORKING CAPITAL REQUIREMENT - TOTAL COMPANY										13,974,142		44
45													45
46													46
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NORTH DAKOTA

PAGE 1 - a

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	RATE BASE		303,303,560	222,127,329	61,598,785	172,865,110	773,581,206	1
2								2
3	TOTAL AVAILABLE FOR RETURN		35,914,412	9,741,842	3,030,886	17,721,457	67,375,892	3
4								4
5	RATE OF RETURN EARNED		11.84%	4.39%	4.92%	10.25%	8.71%	5
6								6
7	RATE OF RETURN REQUESTED		7.97%	7.97%	7.97%	7.97%	7.97%	7
8								8
9	OPERATING INCOME REQUIRED		24,173,294	17,703,548	4,909,423	13,777,349	61,654,422	9
10								10
11	TOTAL AVAILABLE FOR RETURN		35,914,412	9,741,842	3,030,886	17,721,457	67,375,892	11
12								12
13	OPERATING INCOME DEFECIENCY		(11,741,118)	7,961,706	1,878,537	(3,944,108)	(5,721,469)	13
14								14
15	INCREMENTAL TAXES	GRFC =	(8,284,667)	4,838,773	1,015,427	3,944,108	1,513,640	15
16								16
17	REVENUE INCREASE REQUIRED		(20,025,786)	12,800,479	2,893,964	0	(4,207,829)	17
18								18
19	PERCENTAGE INCREASE		-9.64%	10.44%	9.80%	0.00%	-1.17%	19
20								20
21								21
22								22
23								23
24								24
25	RETURN ON EQUITY							25
26								26
27								27
28								28
29								29
30								30
31		REVENUE DEF	(20,025,786)	12,800,479	2,893,964	-	(4,207,829)	31
32								32
33		NOIBT	51,266,713	11,055,375	3,245,974	26,502,981	92,071,042	33
34								34
35		TOT INC B/4 TAX	31,240,927	23,855,854	6,139,937	26,502,981	87,863,213	35
36								36
37		ROR REQ B/4 TAX	10.30%	10.74%	9.97%	15.33%	11.36%	37
38								38
39								39
40								40
41								41
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NORTH DAKOTA

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	ELECTRIC PLANT IN SERVICE		640,243,183	529,263,615	122,404,512	130,200,455	1,422,111,765	1
2								2
3	ACCUMULATED DEPRECIATION		(317,130,099)	(256,695,448)	(59,579,619)	(6,074,130)	(639,479,296)	3
4								4
5	NET PLANT EXCLUDING BIG STONE PLANT CAPITALIZED ITEMS		323,113,084	272,568,167	62,824,894	124,126,325	782,632,470	5
6								6
7	NET CAPITALIZED ITEMS - BIG STONE PLANT		0	0	0	0	0	7
8								8
9	NET ELECTRIC PLANT IN SERVICE		323,113,084	272,568,167	62,824,894	124,126,325	782,632,470	9
10								10
11	PLANT HELD FOR FUTURE USE		13,683	13,044	2,816	114	29,657	11
12								12
13	CONSTRUCTION WORK IN PROGRESS		15,242,434	271,748	0	95,853,903	125,054,506	13
14								14
15	MATERIALS AND SUPPLIES		9,433,264	7,946,645	1,820,947	64,181	19,265,037	15
16								16
17	FUEL STOCKS		6,534,970	4,430,805	1,122,620	11,281	12,099,676	17
18								18
19	PREPAYMENTS		(15,102,001)	(12,739,580)	(2,936,376)	(5,801,548)	(36,579,505)	19
20								20
21	CUSTOMER ADVANCES		(418,629)	(353,143)	(81,397)	(160,820)	(1,013,989)	21
22								22
23	CASH WORKING CAPITAL		8,279,527	3,454,881	2,737,739	(498,005)	13,974,142	23
24								24
25	ACCUMULATED DEFERRED INCOME TAXES		(43,792,772)	(53,465,238)	(3,892,457)	(40,730,322)	(141,880,789)	25
26								26
27	UNAMORTIZED BALANCE - SPIRITWOOD		0	0	0	0	0	27
28								28
29	UNAMORTIZED RATE CASE EXPENSE		0	0	0	0	0	29
30								30
31								31
32	TOTAL AVERAGE RATE BASE		303,303,560	222,127,329	61,598,785	172,865,110	773,581,206	32
33								33
34							***	34
35								35
36								36
37								37
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\*\*\* NOTE: TOTAL AVERAGE RATE BASE WILL NOT ADD ACROSS BECAUSE CWIP IS NOT ALLOCATED TO ALL JURISDICTIONS.

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	PLANT IN SERVICE							1
2	A/C 101 & 106 - Direct MN	Direct MN	3,520,019	0	0	0	3,520,019	2
3	A/C 101 & 106 - Direct ND	Direct ND	0	471,573	0	0	471,573	3
4	A/C 101 & 106 - Direct SD	Direct SD	0	0	1,146,073	0	1,146,073	4
5	Subtotal A/C 101 & 106 - Direct Assigned		3,520,019	471,573	1,146,073	0	5,137,665	5
6								6
7	PRODUCTION PLANT							7
8	A/C 101 & 106 - BASE DEMAND	E1	206,750,140	134,083,371	34,873,146	316,154	376,022,810	8
9	PEAK DEMAND	D1	24,254,974	19,043,037	4,441,005	59,228	47,798,244	9
10	BASE ENERGY	E2	17,482	12,307	2,938	24	32,751	10
11								11
12	SUBTOTAL A/C 101 & 106		234,542,615	153,610,287	40,463,162	375,406	428,991,470	12
13								13
14	A/C 114 - BASE DEMAND	E1	713,729	462,874	120,387	1,091	1,298,081	14
15	PEAK DEMAND	D1	147,247	115,607	26,961	360	290,174	15
16	BASE ENERGY	E1	0	0	0	0	0	16
17								17
18	SUBTOTAL A/C 114		860,976	578,480	147,347	1,451	1,588,255	18
19								19
20	TOTAL PRODUCTION PLANT	P10	235,403,591	154,188,767	40,610,509	376,857	430,579,725	20
21								21
22								22
23	TRANSMISSION PLANT							23
24	A/C 101 & 106	D2	133,290,959	104,649,241	24,405,132	1,927,719	264,273,051	24
25	A/C 101 & 106 (Direct FERC)	Direct FERC	0	0	0	126,520,627	126,520,627	25
26	A/C 114	D2	29,398	23,081	5,383	425	58,287	26
27								27
28	TOTAL TRANSMISSION PLANT		133,320,357	104,672,322	24,410,515	128,448,772	390,851,965	28
29								29
30								30
31	DISTRIBUTION PLANT							31
32	PRIMARY DEMAND	D3	81,106,788	85,455,191	18,564,213	1,170,390	186,296,581	32
33	SECONDARY DEMAND	D4	42,353,726	48,993,034	10,677,682	0	102,024,443	33
34	PRIMARY CUSTOMER	C2	36,373,802	34,970,609	6,763,525	2,229	78,110,165	34
35	SECONDARY CUSTOMER	C3	34,584,049	33,265,375	6,430,592	0	74,280,016	35
36	STREETLIGHTING	C4	6,320,737	6,080,955	1,551,465	0	13,953,157	36
37	AREA LIGHTING	C5	3,295,355	4,151,739	573,592	0	8,020,685	37
38	METERS	C6	12,261,656	11,882,166	2,450,265	0	26,594,087	38
39	LOAD MANAGEMENT	C9	4,084,991	3,794,879	833,867	0	8,713,737	39
40								40
41	TOTAL DISTRIBUTION PLANT	P60	220,381,104	228,593,947	47,845,201	1,172,619	497,992,871	41
42								42
43								43
44	GENERAL PLANT							44
45	PRODUCTION	P10	18,415,117	12,061,856	3,176,873	29,481	33,683,326	45
46	TRANSMISSION	D2	6,572,171	5,159,935	1,203,343	95,050	13,030,498	46
47	DISTRIBUTION	P60	9,337,168	9,685,132	2,027,119	49,682	21,099,100	47
48	CUSTOMER ACCOUNTS	OXC	7,928,186	7,380,245	1,471,135	294	16,779,859	48
49	CUSTOMER SERVICE & INFO	OXI	1,730,914	1,655,501	322,722	0	3,709,137	49
50	LOAD MANAGEMENT	C9	149,012	138,429	30,418	0	317,859	50
51								51
52	TOTAL GENERAL PLANT	P90	44,132,567	36,081,097	8,231,609	174,506	88,619,779	52
53								53
54								54
55	INTANGIBLE PLANT	P90	7,005,565	5,727,482	1,306,678	27,701	14,067,426	55
56								56
57								57
58	TOTAL PLANT IN SERVICE	EPIS	640,243,183	529,263,615	122,404,512	130,200,455	1,422,111,765	58
59								59
60								60
61								61
62								62
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	ACCUMULATED DEPRECIATION							1
2	PRODUCTION PLANT							2
3	BASE DEMAND	E1	(122,929,704)	(79,723,424)	(20,734,910)	(187,979)	(223,576,017)	3
4	PEAK DEMAND	D1	(23,711,966)	(18,616,711)	(4,341,582)	(57,902)	(46,728,160)	4
5	BASE ENERGY	E2	8,276	5,826	1,391	11	15,504	5
6								6
7	TOTAL PRODUCTION PLANT		(146,633,394)	(98,334,308)	(25,075,101)	(245,870)	(270,288,673)	7
8								8
9								9
10	TRANSMISSION PLANT	D2	(57,639,982)	(45,254,235)	(10,553,689)	(833,618)	(114,281,523)	10
11	TRANSMISSION PLANT (Direct FERC)	Direct FERC	0	0	0	(4,418,753)	(4,418,753)	11
12	TOTAL TRANSMISSION PLANT		(57,639,982)	(45,254,235)	(10,553,689)	(5,252,371)	(118,700,277)	12
13								13
14								14
15	DISTRIBUTION PLANT	P60	(94,852,571)	(98,387,400)	(20,592,693)	(504,698)	(214,337,362)	15
16								16
17	GENERAL PLANT	P90	(17,002,893)	(13,900,914)	(3,171,381)	(67,232)	(34,142,419)	17
18								18
19								19
20								20
21	INTANGIBLE PLANT	P90	(1,001,259)	(818,591)	(186,755)	(3,959)	(2,010,565)	21
22								22
23								23
24	TOTAL ACCUMULATED DEPRECIATION		(317,130,099)	(256,695,448)	(59,579,619)	(6,074,130)	(639,479,296)	24
25								25
26								26
27	NET PLANT EXCLUDING BSP CAPITALIZED ITEMS		323,113,084	272,568,167	62,824,894	124,126,325	782,632,470	27
28								28
29								29
30	BSP CAPITALIZED ITEMS	P10	0	0	0	0	0	30
31								31
32								32
33	TOTAL NET PLANT IN SERVICE	NEPIS	323,113,084	272,568,167	62,824,894	124,126,325	782,632,470	33
34								34
35								35
36								36
37								37
38								38
39								39
40								40
41								41
42	PLANT HELD FOR FUTURE USE							42
43	PRODUCTION PLANT	P10	0	0	0	0	0	43
44	TRANSMISSION PLANT	D2	4,558	3,579	835	66	9,038	44
45	DISTRIBUTION PLANT	P60	9,125	9,465	1,981	49	20,619	45
46	GENERAL PLANT	P90	0	0	0	0	0	46
47	INTANGIBLE PLANT	P90	0	0	0	0	0	47
48								48
49	TOTAL PLANT HELD FOR FUTURE USE		13,683	13,044	2,816	114	29,657	49
50								50
51								51
52								52
53								53
54								54
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60								60
61								61
62								62

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO	
1	CONST WORK-IN-PROGRESS - Direct Assigned		0					1	
2	PRODUCTION PLANT - Direct MN	P10	0	0	0	0	0	2	
3	PRODUCTION PLANT - Direct ND	P10	0	0	0	0	0	3	
4	PRODUCTION PLANT - Direct SD	P10	0	0	0	0	0	4	
5	PRODUCTION PLANT - Direct FERC	Direct FERC	0	0	0	0	0	5	
6	TRANSMISSION PLANT - Direct MN	D2	0	0	0	0	0	6	
7	TRANSMISSION PLANT - Direct ND	D2	0	0	0	0	0	7	
8	TRANSMISSION PLANT - Direct SD	D2	0	0	0	0	0	8	
9	TRANSMISSION PLANT - Direct FERC	Direct FERC	0	0	0	95,776,331	95,776,331	9	
10	DISTRIBUTION PLANT - Direct MN	P60	0	0	0	0	0	10	
11	DISTRIBUTION PLANT - Direct ND	P60	0	0	0	0	0	11	
12	DISTRIBUTION PLANT - Direct SD	P60	0	0	0	0	0	12	
13	DISTRIBUTION PLANT - Direct FERC	Direct FERC	0	0	0	0	0	13	
14	GENERAL PLANT - Direct MN	P90	0	0	0	0	0	14	
15	GENERAL PLANT - Direct ND	P90	0	0	0	0	0	15	
16	GENERAL PLANT - Direct SD	P90	0	0	0	0	0	16	
17	GENERAL PLANT - Direct FERC	Direct FERC	0	0	0	0	0	17	
18	INTANGIBLE PLANT - Direct MN	P90	0	0	0	0	0	18	
19	INTANGIBLE PLANT - Direct ND	P90	0	0	0	0	0	19	
20	INTANGIBLE PLANT - Direct SD	P90	0	0	0	0	0	20	
21	INTANGIBLE PLANT - Direct FERC	Direct FERC	0	0	0	0	0	21	
22	TOTAL CWIP - Direct Assigned		0	0	0	95,776,331	95,776,331	22	
23			0					23	
24			0					24	
25	CONST WORK-IN-PROGRESS - SHORT-TERM		0					25	
26	PRODUCTION PLANT	P10	0	0	0	0	0	26	
27	TRANSMISSION PLANT	D2	346,123	271,748	0	5,006	686,250	27	
28	DISTRIBUTION PLANT	P60	0	0	0	0	0	28	
29	GENERAL PLANT	P90	0	0	0	0	0	29	
30	INTANGIBLE PLANT	P90	0	0	0	0	0	30	
31			0					31	
32	TOTAL CWIP - SHORT-TERM		346,123	271,748	0	5,006	686,250	32	
33			0					33	
34			0					34	
35	CONST WORK-IN-PROGRESS - LONG TERM		0					35	
36	PRODUCTION PLANT (AFUDC Projects)	P10	7,676,438	0	0	12,289	14,041,071	36	
37	PRODUCTION PLANT (Rider Projects)	P10	0	0	0	0	0	37	
38	TRANSMISSION PLANT (AFUDC Projects)	D2	2,953,225	0	0	42,711	5,855,294	38	
39	TRANSMISSION PLANT (Rider Projects)	D2	0	0	0	0	0	39	
40	DISTRIBUTION PLANT	P60	508,542	0	0	2,706	1,149,148	40	
41	GENERAL PLANT	P90	798,775	0	0	3,158	1,603,969	41	
42	INTANGIBLE PLANT	P90	2,959,331	0	0	11,702	5,942,443	42	
43			0					43	
44	TOTAL CWIP - LONG TERM - AFUDC Projects		14,896,311	0	0	72,566	28,591,925	44	
45	TOTAL CWIP - LONG TERM - Rider Projects		0	0	0	0	0	45	
46			0					46	
47			0					47	
48	TOTAL CONSTRUCTION WORK-IN-PROGRESS		15,242,434	271,748	0	95,853,903	125,054,506	48	
49			0					49	
50			0					50	
51	MATERIALS & SUPPLIES		0					51	
52	PRODUCTION	P10	2,995,295	1,961,911	516,731	4,795	5,478,732	52	
53	TRANSMISSION	D2	2,749,009	2,158,299	503,334	39,758	5,450,400	53	
54	DISTRIBUTION	P60	3,688,960	3,826,435	800,881	19,628	8,335,905	54	
55			0					55	
56	TOTAL MATERIALS AND SUPPLIES	154, 158.1	9,433,264	7,946,645	1,820,947	64,181	19,265,037	56	
57			0					57	
58			0					58	
59	FUEL STOCKS		0					59	
60	COAL STOCKS	E1	5,124,248	3,323,221	864,322	7,836	9,319,627	60	
61	FUEL OIL STOCKS	D1	1,410,722	1,107,584	258,298	3,445	2,780,049	61	
62			0					62	
63	TOTAL FUEL STOCKS	1510	6,534,970	4,430,805	1,122,620	11,281	12,099,676	63	
64			0					64	
65			0					65	
66	PREPAYMENTS	NEPIS	128, 228.3	(15,102,001)	(12,739,580)	(2,936,376)	(5,801,548)	(36,579,505)	66
67			0					67	
68	CUSTOMER ADVANCES	NEPIS	235, 253	(418,629)	(353,143)	(81,397)	(160,820)	(1,013,988)	68
69			0					69	
70	CASH WORKING CAPITAL	OX	SEPARATELY CALCULATED BY JURISDICTION	8,279,527	3,454,881	2,737,739	(498,005)	13,974,142	70
71								71	
72								72	
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75								75	
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77								77	

NORTH DAKOTA

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	ACCUMULATED DEFERRED INCOME TAXES		0					1
2	ITEMS SD FLOWS THROUGH		0					2
3	FEDERAL	NPMNR	195,505	164,922	0	75,105	435,531	3
4	MINNESOTA	NPISM	52,067	0	0	20,002	72,069	4
5	NORTH DAKOTA	NPISN	0	35,772	0	0	35,772	5
6			0					6
7	SUBTOTAL		247,571	200,693	0	95,106	543,371	7
8			0					8
9	ALL OTHER		0					9
10	FEDERAL	NEPIS	(20,019,197)	(16,887,573)	(3,892,457)	(7,690,525)	(48,489,753)	10
11	FEDERAL (Direct FERC)	Direct FERC	0	0	0	(23,906,999)	(23,906,999)	11
12	MINNESOTA	NPISM	(24,021,146)	0	0	(9,227,904)	(33,249,051)	12
13	NORTH DAKOTA	NPISN	0	(36,778,358)	0	0	(36,778,358)	13
14			0					14
15	SUBTOTAL		(44,040,343)	(53,665,931)	(3,892,457)	(40,825,428)	(142,424,160)	15
16			0					16
17	TOTAL ACCUMULATED DEFERRED INCOME TAXES	190,255,281-283	(43,792,772)	(53,465,238)	(3,892,457)	(40,730,322)	(141,880,789)	17
18			0					18
19			0					19
20	UNAMORTIZED BALANCE - SPIRITWOOD PLANT	P10	0	0	0	0	0	20
21			0					21
22			0					22
23	UNAMORTIZED RATE CASE EXPENSES	R10	0	0	0	0	0	23
24			0					24
25			0					25
26			0					26
27			0					27
28	TOTAL AVERAGE RATE BASE		303,303,560	222,127,329	61,598,785	172,865,110	773,581,206	28
29			0					29
30			0					30
31			0					31
32			0					32
33			0					33
34			0					34
35			0					35
36			0					36
37			0					37
38			0					38
39			0					39
40			0					40
41			0					41
42			0					42
43			0					43
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60			0					60
61			0					61

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	0 FERC	TOTAL COMPANY	LINE NO
1	<b>OPERATING REVENUES</b>							1
2	SALES OF ELECTRICITY		207,731,002	122,589,268	29,544,870	0	359,865,140	2
3	OTHER OPERATING REVENUE		11,560,253	9,712,037	2,267,928	34,702,327	58,232,545	3
4								4
5	<b>TOTAL OPERATING REVENUE</b>		<b>219,291,255</b>	<b>132,301,305</b>	<b>31,812,798</b>	<b>34,702,327</b>	<b>418,097,684</b>	5
6								6
7	<b>OPERATING EXPENSES</b>							7
8	PRODUCTION EXPENSES		84,805,995	58,417,943	14,076,376	119,209	157,419,523	8
9	TRANSMISSION EXPENSES		15,250,762	11,043,334	2,575,404	219,650	29,089,150	9
10	DISTRIBUTION EXPENSES		7,582,399	7,680,921	1,621,012	33,052	16,917,384	10
11	CUSTOMER ACCOUNTING EXPENSES		6,543,844	6,091,579	1,214,260	242	13,849,926	11
12	CUSTOMER SERVICE AND INFORMATION EXPENSES		8,996,725	1,382,509	718,505	0	11,097,740	12
13	SALES EXPENSES		242,961	22,472	8,194	0	273,627	13
14	ADMINISTRATIVE AND GENERAL EXPENSES		23,663,383	19,282,795	4,364,417	1,969,092	49,279,686	14
15	CHARITABLE CONTRIBUTIONS		0	0	0	0	0	15
16	DEPRECIATION EXPENSE		16,261,713	13,387,642	3,081,270	2,286,099	35,016,724	16
17	AMORTIZATION OF BIG STONE PLANT CAPITALIZED COSTS		0	0	0	0	0	17
18	SPIRITWOOD AMORTIZATION		0	0	0	0	0	18
19	GENERAL TAXES		4,666,760	3,936,734	907,387	3,572,002	13,082,883	19
20								20
21	<b>TOTAL OPERATING EXPENSES</b>		<b>168,014,542</b>	<b>121,245,929</b>	<b>28,566,625</b>	<b>8,199,346</b>	<b>326,026,642</b>	21
22								22
23	<b>NET OPERATING INCOME BEFORE INCOME TAXES</b>		<b>51,276,713</b>	<b>11,055,375</b>	<b>3,245,974</b>	<b>26,502,981</b>	<b>92,071,042</b>	23
24								24
25	<b>INCOME TAX EXPENSE</b>							25
26	INVESTMENT TAX CREDIT		(1,431,884)	(1,183,682)	(273,754)	(291,189)	(3,180,509)	26
27	DEFERRED INCOME TAXES		941,149	965,161	(32,409)	368,291	2,240,889	27
28	INCOME TAXES		16,899,396	1,532,054	521,251	8,709,568	27,662,345	28
29								29
30	<b>TOTAL INCOME TAX EXPENSE</b>		<b>16,408,661</b>	<b>1,313,533</b>	<b>215,087</b>	<b>8,786,669</b>	<b>26,722,725</b>	30
31								31
32	<b>NET OPERATING INCOME</b>		<b>34,858,051</b>	<b>9,741,842</b>	<b>3,030,886</b>	<b>17,716,311</b>	<b>65,348,317</b>	32
33								33
34	Allowance for Funds Used During Construction		1,056,360	0	0	5,146	2,027,574	34
35	Allowance for Funds Used During Construction - MN Only		0	0	0	0	0	35
36	Allowance for Funds Used During Construction - SD Only		0	0	0	0	0	36
37	<b>TOTAL ALLOWANCE FOR FUNDS USED DURING CONSTRUCTION</b>		<b>1,056,360</b>	<b>0</b>	<b>0</b>	<b>5,146</b>	<b>2,027,574</b>	37
38								38
39	<b>TOTAL AVAILABLE FOR RETURN</b>		<b>35,914,412</b>	<b>9,741,842</b>	<b>3,030,886</b>	<b>17,721,457</b>	<b>67,375,892</b>	39
40								40
41								41
42								42
43								43
44								44
45								45
46								46
47								47
48								48
49								49
50								50
51	AVERAGE CENTS PER KWH							51
52								52
53								53
54								54
55								55
56								56
57								57
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59								59
60								60
61								61
62								62
63								63

\*\*\* NOTE: TOTAL AVAILABLE FOR RETURN WILL NOT ADD ACROSS BECAUSE AFDC IS NOT ALLOCATED TO ALL JURISDICTIONS.

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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO	
1	OPERATING REVENUES							1	
2	SALES OF ELECTRICITY	R10	207,731,002	122,589,268	29,544,870	0	359,865,140	2	
3								3	
4								4	
5	OTHER OPERATING REVENUES							5	
6	SALES FOR RESALE							6	
7	MUNICIPALITIES & OFF SYSTEM SALES							7	
8	NON-ASSOCIATED UTILITIES, CO-OPS & OPA							8	
9	BUY SELL TRANSACTIONS	D2	0	0	0	0	0	9	
10	ALL OTHER TRANSACTIONS							10	
11	BASE DEMAND	E1	0	0	0	0	0	11	
12	PEAK DEMAND	D1	0	0	0	0	0	12	
13	BASE ENERGY	E2	8,021	5,646	1,348	11	15,026	13	
14	PEAK ENERGY	D1	0	0	0	0	0	14	
15								15	
16	TOTAL ALL OTHER TRANSACTIONS		8,021	5,646	1,348	11	15,026	16	
17								17	
18	TOTAL SALES FOR RESALE		8,021	5,646	1,348	199,010	214,025	18	
19								19	
20	OTHER ELECTRIC REVENUES							20	
21	LATE FEES	C1	DIRECTLY ASSIGNED TO JURISDICTION	332,503	277,669	95,499	0	705,671	21
22	CONNECTION FEES	C1	DIRECTLY ASSIGNED TO JURISDICTION	189,927	135,015	28,952	0	353,894	22
23	RENT FROM ELECTRIC PROPERTY	NEPIS	234,504	197,821	45,596	90,087	568,008	23	
24	RENT FROM ELECTRIC PROPERTY - BIG STONE	NEPIS	4,882	4,118	949	1,876	11,825	24	
25	RENT FROM ELECTRIC PROPERTY - COYOTE	NEPIS	4,046	3,413	787	1,554	9,800	25	
26	OTHER MISC ELECTRIC REVENUE	NEPIS	1,063,915	897,486	206,864	408,711	2,576,976	26	
27	OTHER MISC ELECTRIC REVENUE - MN	C1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	0	27
28	OTHER MISC ELECTRIC REVENUE - ND	C1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	0	28
29	OTHER MISC ELECTRIC REVENUE - SD	C1	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	0	29
30	ITA DEFICIENCY PAYMENTS	NEPIS	732,254	617,707	142,377	281,301	1,773,638	30	
31		NEPIS	0	0	0	0	0	31	
32	MISCELLANEOUS SERVICES	NEPIS	11,601	9,787	2,256	4,457	28,101	32	
33	WHEELING							33	
34	LOAD CONTROL AND DISPATCH	NEPIS	8,965,923	7,563,374	1,743,300	3,444,327	21,716,925	34	
35	LOAD CONTROL AND DISPATCH (Direct FERC)	Direct FERC	0	0	0	29,831,233	29,831,233	35	
36	RESIDENTIAL CONSERVATION SERVICES	C1	2,676	0	0	0	2,676	36	
37								37	
38	TOTAL OTHER ELECTRIC REVENUES		11,542,233	9,706,390	2,266,580	34,503,317	58,018,520	38	
39								39	
40	TOTAL OTHER OPERATING REVENUES		11,550,253	9,712,037	2,267,928	34,702,327	58,232,545	40	
41								41	
42	TOTAL OPERATING REVENUES		219,281,255	132,301,305	31,812,798	34,702,327	418,097,684	42	
43								43	
44								44	
45								45	
46								46	
47								47	
48								48	
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<b>OPERATING EXPENSES</b>							1
2	<b>PRODUCTION EXPENSES</b>							2
3	PROD EXPENSES EXCLUDING PURCHASED POWER							3
4	BASE DEMAND	E1	8,696,408	5,639,869	1,466,848	13,298	15,816,424	4
5	PEAK DEMAND	D1	1,736,692	1,363,510	317,983	4,241	3,422,425	5
6	BASE ENERGY	E2	35,308,683	24,856,796	5,934,006	48,876	66,148,362	6
7	PEAK ENERGY	D1	258,096	202,629	47,255	630	508,600	7
8	BASE DEMAND (Direct MN)		1,032,569	0	0	0	1,032,569	8
9	PEAK DEMAND (Direct MN)		230,821	0	0	0	230,821	9
10								10
11	<b>TOTAL EXCLUDING PURCHASED POWER</b>		<b>47,263,260</b>	<b>32,062,803</b>	<b>7,766,092</b>	<b>67,046</b>	<b>87,159,201</b>	11
12								12
13								13
14	<b>PURCHASED POWER</b>							14
15	BUY SELL TRANSACTIONS	D2	0	0	0	0	0	15
16	ALL OTHER TRANSACTIONS							16
17	BASE DEMAND	E1	1,341,527	870,019	226,279	2,051	2,439,877	17
18	PEAK DEMAND	D1	0	0	0	0	0	18
19	BASE ENERGY	E2	36,201,208	25,485,120	6,084,005	50,112	67,820,445	19
20	PEAK ENERGY	D1	0	0	0	0	0	20
21								21
22	<b>TOTAL ALL OTHER TRANSACTIONS</b>		<b>37,542,735</b>	<b>26,355,139</b>	<b>6,310,284</b>	<b>52,163</b>	<b>70,260,322</b>	22
23								23
24	<b>TOTAL PURCHASED POWER</b>		<b>37,542,735</b>	<b>26,355,139</b>	<b>6,310,284</b>	<b>52,163</b>	<b>70,260,322</b>	24
25								25
26	<b>TOTAL PRODUCTION EXPENSES</b>		<b>84,805,995</b>	<b>58,417,943</b>	<b>14,076,376</b>	<b>119,209</b>	<b>157,419,523</b>	26
27								27
28								28
29	<b>TRANSMISSION EXPENSES</b>							29
30	TRANSMISSION EXPENSES (Direct MN)	D2	14,065,813	11,043,334	2,575,404	203,427	27,887,977	30
31	TRANSMISSION EXPENSES (Direct FERC)	Direct FERC	1,184,949	0	0	0	1,184,949	31
32	<b>TOTAL TRANSMISSION EXPENSES</b>		<b>15,250,762</b>	<b>11,043,334</b>	<b>2,575,404</b>	<b>219,650</b>	<b>29,089,150</b>	32
33								33
34								34
35	<b>DISTRIBUTION EXPENSES</b>							35
36	PRIMARY DEMAND	D3	2,284,323	2,406,793	522,850	32,963	5,246,930	36
37	SECONDARY DEMAND	D4	780,600	902,966	196,795	0	1,880,361	37
38	PRIMARY CUSTOMER	C2	1,439,096	1,383,580	267,593	88	3,090,357	38
39	SECONDARY CUSTOMER	C3	1,024,380	985,321	190,474	0	2,200,175	39
40	STREETLIGHTING	C4	753,131	724,560	184,861	0	1,662,551	40
41	AREA LIGHTING	C5	58,773	74,046	10,230	0	143,049	41
42	METERS	C6	1,242,096	1,203,654	248,210	0	2,693,960	42
43	LOAD MANAGEMENT	C9	0	0	0	0	0	43
44								44
45	<b>TOTAL DISTRIBUTION</b>	OXD	<b>7,582,399</b>	<b>7,680,921</b>	<b>1,621,012</b>	<b>33,052</b>	<b>16,917,384</b>	45
46								46
47								47
48	<b>CUSTOMER ACCOUNTING EXPENSES</b>							48
49	METER READING	C7	2,588,034	2,289,472	478,944	0	5,356,450	49
50	OTHER	C8	3,955,811	3,802,108	735,315	242	8,493,476	50
51								51
52	<b>TOTAL CUSTOMER ACCOUNTS</b>	OXC	<b>6,543,844</b>	<b>6,091,579</b>	<b>1,214,260</b>	<b>242</b>	<b>13,849,926</b>	52
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Interim Test Year

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<u>CUSTOMER SERVICE &amp; INFORMATION EXPENSE</u>							1
2	CONSERVATION & PROMOTIONAL REBATES	C1	7,551,238	0	449,000	0	8,000,238	2
3	OTHER	C1	1,445,487	1,382,509	269,505	0	3,097,502	3
4								4
5	<b>TOTAL CUSTOMER SERV &amp; INFORMATION EXP</b>	OXI	8,996,725	1,382,509	718,505	0	11,097,740	5
6								6
7								7
8	<u>SALES EXPENSES</u>							8
9	OFF-PEAK DEVELOPMENT	C1	219,466	0	3,813	0	223,279	9
10	OTHER	C1	23,495	22,472	4,381	0	50,347	10
11								11
12	<b>TOTAL SALES EXPENSES</b>		242,961	22,472	8,194	0	273,627	12
13								13
14								14
15	<u>ADMINISTRATIVE &amp; GENERAL EXPENSES</u>							15
16	SALARIES, SUPPLIES, PENSIONS & BENEFITS							16
17	PRODUCTION	OXP	7,875,200	5,265,949	1,345,087	13,103	14,499,338	17
18	TRANSMISSION	D2	2,829,059	2,221,148	517,991	40,915	5,609,114	18
19	DISTRIBUTION	OXD	4,070,714	4,123,607	870,262	17,744	9,082,327	19
20	CUSTOMER ACCOUNTS	OXD	3,412,770	3,176,903	633,265	126	7,223,065	20
21	CUSTOMER SERVICE & INFO	C1	745,090	712,628	138,919	0	1,596,637	21
22								22
23	<b>TOTAL SALARIES, SUPPLIES, PENSIONS, AND BENEFITS</b>		18,932,834	15,500,234	3,505,525	71,888	38,010,481	23
24								24
25	LOAD MANAGEMENT EXPENSES	C9	0	0	0	0	0	25
26								26
27	OUTSIDE SERVICES	NEPIS	548,950	463,077	106,736	210,883	1,329,645	27
28								28
29	PROPERTY INSURANCE	NEPIS	670,242	565,396	130,319	257,479	1,623,436	29
30								30
31	INJURIES & DAMAGES	NEPIS	902,020	760,916	175,385	346,518	2,184,840	31
32								32
33	REGULATORY COMMISSION EXPENSE	R10	716,778	444,626	93,452	1,074,876	2,329,732	33
34								34
35	GENERAL ADVERTISING	C1	9,095	8,698	1,696	0	19,489	35
36								36
37	MISCELLANEOUS, RENTS, MAINTENANCE	P90	1,883,464	1,539,848	351,304	7,447	3,782,064	37
38								38
39	<b>TOTAL ADMINISTRATIVE &amp; GENERAL EXP</b>		23,663,383	19,282,795	4,364,417	1,989,082	49,279,686	39
40								40
41								41
42	CHARITABLE CONTRIBUTIONS	C1	0	0	0	0	0	42
43								43
44								44
45								45
46	<b>TOTAL O &amp; M EXPENSES</b>		147,086,070	103,921,553	24,578,168	2,341,244	277,927,035	46
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	DEPRECIATION EXPENSE							1
2	PRODUCTION							2
3	BASE DEMAND	E1	5,598,121	3,630,542	944,251	8,560	10,181,475	3
4	PEAK DEMAND	D1	562,658	441,753	103,021	1,374	1,108,806	4
5	BASE ENERGY	E2	0	0	0	0	0	5
6	TOTAL PRODUCTION		6,160,779	4,072,295	1,047,272	9,934	11,290,280	6
7								7
8								8
9								9
10	TRANSMISSION	D2	2,573,324	2,020,365	471,167	37,217	5,102,072	10
11	TRANSMISSION (Direct FERC)	Direct FERC	0	0	0	2,202,087	2,202,087	11
12	TOTAL TRANSMISSION		2,573,324	2,020,365	471,167	2,239,304	7,304,159	12
13								13
14								14
15	DISTRIBUTION	P60	5,191,951	5,385,437	1,127,183	27,626	11,732,197	15
16								16
17								17
18	GENERAL	P90	1,138,359	930,679	212,327	4,501	2,285,866	18
19								19
20								20
21	INTANGIBLE	P90	1,197,300	978,866	223,320	4,734	2,404,221	21
22								22
23								23
24	TOTAL DEPRECIATION EXPENSE		16,261,713	13,387,642	3,081,270	2,286,099	35,016,724	24
25								25
26								26
27								27
28								28
29								29
30								30
31	BIG STONE EXPENSE OFFSETS	P10	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	31
32								32
33								33
34	SPIRITWOOD AMORTIZATION	P10	DIRECTLY ASSIGNED TO JURISDICTION	0	0	0	0	34
35								35
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Interim Test Year

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	GENERAL TAXES	NEPIS	4,666,760	3,936,734	907,387	1,792,771	11,303,652	1
2	GENERAL TAXES (Direct FERC)	Direct FERC	0	0	0	1,779,231	1,779,231	2
3	<b>TOTAL GENERAL TAXES</b>		<b>4,666,760</b>	<b>3,936,734</b>	<b>907,387</b>	<b>3,572,002</b>	<b>13,082,883</b>	3
4								4
5	NET OPERATING INCOME BEFORE TAX (NOIBT)		51,266,713	11,055,375	3,245,974	26,502,981	92,071,042	5
6								6
7	INVESTMENT TAX CREDIT							7
8	AMORTIZE PRIOR YEARS CREDIT	EPIS	(1,431,884)	(1,183,682)	(273,754)	(291,189)	(3,180,509)	8
9	DEBITS UTILIZED	EPIS	0	0	0	0	0	9
10								10
11	<b>TOTAL INVESTMENT TAX CREDIT</b>		<b>(1,431,884)</b>	<b>(1,183,682)</b>	<b>(273,754)</b>	<b>(291,189)</b>	<b>(3,180,509)</b>	11
12								12
13	DEFERRED INCOME TAXES							13
14	ITEMS SOUTH DAKOTA FLOWS THROUGH							14
15	FEDERAL	NPMNR	0	0	0	0	0	15
16	MINNESOTA	NPISM	0	0	0	0	0	16
17	NORTH DAKOTA	NPISN	0	0	0	0	0	17
18								18
19	<b>SUBTOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	19
20								20
21	ALL OTHER							21
22								22
23	FEDERAL- transfer from Current Income Taxes - NOL		0	0	0	0	0	23
24	FEDERAL (NEPIS)	NEPIS	(166,684)	(140,610)	(32,409)	(64,033)	(403,737)	24
25	FEDERAL		(166,684)	(140,610)	(32,409)	(64,033)	(403,737)	25
26								26
27	MINNESOTA- transfer from Current Income Taxes - NOL		0	0	0	0	0	27
28	MINNESOTA (NPISM)	NPISM	1,107,834	0	0	425,583	1,533,416	28
29	MINNESOTA		1,107,834	0	0	425,583	1,533,416	29
30								30
31	NORTH DAKOTA- transfer from Current Income Taxes - NOL		0	211,737	0	6,741	218,478	31
32	NORTH DAKOTA (NPISN)	NPISN	0	894,033	0	0	894,033	32
33	NORTH DAKOTA		0	1,105,770	0	6,741	1,111,210	33
34								34
35	<b>SUBTOTAL</b>		<b>941,149</b>	<b>965,161</b>	<b>(32,409)</b>	<b>368,291</b>	<b>2,240,889</b>	35
36								36
37	<b>TOTAL DEFERRED INCOME TAXES</b>		<b>941,149</b>	<b>965,161</b>	<b>(32,409)</b>	<b>368,291</b>	<b>2,240,889</b>	37
38								38
39								39
40	CURRENT INCOME TAXES							40
41	FEDERAL- transfer to Deferred Income Taxes - NOL		0	0	0	0	0	41
42	FEDERAL CURRENT INCOME TAX		13,826,746	1,532,054	521,251	7,003,322	22,883,332	42
43	FEDERAL INCOME TAXES		13,826,746	1,532,054	521,251	7,003,322	22,883,332	43
44								44
45	MINNESOTA- transfer to Deferred Income Taxes - NOL		0	0	0	0	0	45
46	MINNESOTA CURRENT INCOME TAX		3,072,650	0	0	1,706,246	4,778,895	46
47	MINNESOTA INCOME TAXES		3,072,650	0	0	1,706,246	4,778,895	47
48								48
49	NORTH DAKOTA- transfer to Deferred Income Taxes - NOL		0	(211,737)	0	(6,741)	(218,478)	49
50	NORTH DAKOTA CURRENT INCOME TAX		0	211,737	0	6,741	218,478	50
51	NORTH DAKOTA INCOME TAXES		0	(0)	0	0	117	51
52								52
53	<b>TOTAL CURRENT INCOME TAXES</b>		<b>16,899,396</b>	<b>1,532,054</b>	<b>521,251</b>	<b>8,709,568</b>	<b>27,662,345</b>	53
54								54
55	<b>TOTAL INCOME TAXES</b>		<b>16,408,661</b>	<b>1,313,533</b>	<b>215,087</b>	<b>8,786,669</b>	<b>26,722,725</b>	55
56								56
57								57
58	NET OPERATING INCOME		34,858,051	9,741,842	3,030,886	17,716,311	65,348,317	58
59								59
60	AFDC	CWIPLT	1,056,360	0	0	5,146	2,027,574	60
61	AFDC - MN Only	CWIPLT	0	0	0	0	0	61
62	AFDC - SD Only	CWIPLT	0	0	0	0	0	62
63	Total AFDC	CWIPLT	1,056,360	0	0	5,146	2,027,574	63
64								64
65	<b>TOTAL AVAILABLE FOR RETURN</b>		<b>35,914,412</b>	<b>9,741,842</b>	<b>3,030,886</b>	<b>17,721,457</b>	<b>67,375,892</b>	65
66								66
67								67
68	RATE OF RETURN ON RATE BASE		11.84%	4.39%	4.92%	10.25%	8.71%	68
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ALLOWED ONLY IN MN & FERC

OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Interim Test Year

LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	DEVELOPMENT OF FEDERAL INCOME TAX EXPENSE							1
2								2
3	NET OPERATING INCOME BEFORE TAX (NOIBT)		51,266,713	11,055,375	3,245,974	26,502,981	92,071,042	3
4	LESS: INTEREST COST		7,764,571	5,686,460	1,576,929	4,425,347	19,453,306	4
5								5
6	NET INCOME BEFORE TAX		43,502,141	5,368,916	1,669,045	22,077,634	72,617,736	6
7								7
8	<b>FEDERAL SCHEDULE M ADJUSTMENTS:</b>							8
9	ADDITIONAL TAX DEPRECIATION	NEPIS	4,308,216	3,634,277	837,673	1,655,033	10,435,199	9
10	COST TO REMOVE	NEPIS	206,427	174,135	40,137	79,301	500,000	10
11	DIRECTLY ASSIGNED SCHEDULE M ITEMS	NEPIS	0	0	0	0	0	11
12	ACCRUED VACATION PAY	NEPIS	0	0	0	0	0	12
13	CHARGES - OPERATING RESERVES	NEPIS	3,382,908	2,853,716	657,760	1,299,570	8,193,954	13
14	PROVISIONS - OPERATING RESERVES	NEPIS	(1,119,163)	(944,091)	(217,606)	(429,935)	(2,710,794)	14
15	UNBILLED REVENUES	NEPIS	0	0	0	0	0	15
16	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	0	0	16
17	OTHER SCHEDULE M ITEMS	NEPIS	(5,853,896)	(4,938,156)	(1,138,208)	(2,248,814)	(14,179,063)	17
18								18
19	<b>SUBTOTAL FEDERAL SCHEDULE M ADJUSTMENTS</b>		824,503	779,882	179,757	355,155	2,239,296	19
20								20
21	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		42,577,639	4,589,034	1,489,288	21,722,479	70,378,440	21
22								22
23	<b>LESS:</b>							23
24	MINNESOTA STATE INCOME TAXES		3,072,650	0	0	1,706,246	4,778,895	24
25	NORTH DAKOTA STATE INCOME TAXES		0	211,737	0	6,741	218,595	25
26								26
27	<b>FEDERAL TAXABLE INCOME</b>		39,504,989	4,377,297	1,489,288	20,009,493	65,380,950	27
28	FEDERAL TAX RATE		35.00%	35.00%	35.00%	35.00%	35.00%	28
29								29
30	FEDERAL INCOME TAX BEFORE CREDITS		13,826,746	1,532,054	521,251	7,003,322	22,883,332	30
31	INVESTMENT TAX CREDIT - DEBITS UTILIZED	EPIS	0	0	0	0	0	31
32	FEDERAL INCOME TAXES before transfer to Deferred due to NOL		13,826,746	1,532,054	521,251	7,003,322	22,883,332	32
33	Less Current Federal Income Taxes Transferred to Deferred Income Taxes due to NOL		0	0	0	0	0	33
34	<b>FEDERAL INCOME TAXES</b>		13,826,746	1,532,054	521,251	7,003,322	22,883,332	34
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OTTER TAIL POWER COMPANY  
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LINE NO	ITEM	ALLOC	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	DEVELOPMENT OF MINNESOTA STATE INCOME TAX EXPENSE							1
2								2
3	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		42,577,639	0	0	21,722,479	64,300,118	3
4								4
5	<u>MINNESOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</u>							5
6	PAYSOP ADJUSTMENT	NEPIS	0	0	0	0	0	6
7	CHANGE IN EXCESS TAX DEPRECIATION - MN	NEPIS	(11,580,358)	0	0	(4,448,662)	(28,049,512)	7
8	CHANGE IN ACRS - ORDINARY LOSS	NEPIS	0	0	0	0	0	8
9	PREFERRED DIVIDENDS PAID CREDIT	NEPIS	0	0	0	0	0	9
10	MISCELLANEOUS ADJUSTMENTS TO FED SCHEDULE M	NEPIS	356,289	0	0	136,871	862,991	10
11								11
12	<b>TOTAL MINNESOTA ADJUSTMENTS TO FED SCHEDULE M</b>		(11,224,069)	0	0	(4,311,811)	(27,186,521)	12
13								13
14	MINNESOTA TAXABLE INCOME		31,353,570	0	0	17,410,669	48,764,239	14
15	MINNESOTA TAX RATE		9.80%	0.00%	0.00%	9.80%	9.80%	15
16								16
17	MINNESOTA INCOME TAX prior to transfer to Deferred Income Tax due to NOL		3,072,650	0	0	1,706,246	4,778,895	17
18	Minnesota Current Income Tax transfer to Deferred Income Tax due to NOL		0	0	0	0	0	18
19	<b>MINNESOTA INCOME TAX</b>		3,072,650	0	0	1,706,246	4,778,895	19
20								20
21								21
22								22
23								23
24								24
25								25
26								26
27	DEVELOPMENT OF NORTH DAKOTA STATE INCOME TAX EXPENSE							27
28								28
29	<b>FEDERAL ADJUSTED INCOME BEFORE INCOME TAXES</b>		0	4,589,034	0	0	4,589,034	29
30								30
31	<u>NORTH DAKOTA ADJUSTMENTS TO FEDERAL SCHEDULE M:</u>							31
32	CHANGE IN EXCESS TAX DEPRECIATION - ND	NEPIS	0	(1,688)	0	(769)	(4,848)	32
33	CHANGE IN ACRS - ORDINARY LOSS - ND	NEPIS	0	0	0	0	0	33
34	CHANGE IN INCOME FROM ADR PROPERTY - ND	NEPIS	0	0	0	0	0	34
35	MISCELLANEOUS ADJUSTMENTS TO FED SCHEDULE M	NEPIS	0	345,137	0	157,174	991,000	35
36								36
37	<b>TOTAL NORTH DAKOTA ADJUSTMENTS TO FED SCHEDULE M</b>		0	343,448	0	156,405	986,152	37
38								38
39	<b>SUBTOTAL</b>		0	4,932,482	0	156,405	N/A	39
40	DEDUCTION OF FEDERAL INCOME TAXES		0	0	0	0	0	40
41								41
42	<b>NORTH DAKOTA TAXABLE INCOME</b>		0	4,882,482	0	156,405	5,038,887	42
43	NORTH DAKOTA TAX RATE		0.00%	4.31%	0.00%	4.31%	4.31%	43
44								44
45	NORTH DAKOTA INCOME TAX prior to transfer to Deferred Income Tax due to NOL		0	211,737	0	6,741	218,595	45
46	North Dakota Current Income Tax transfer to Deferred Income Tax due to NOL		0	(211,737)	0	(6,741)	(218,479)	46
47	<b>NORTH DAKOTA INCOME TAX</b>		0	(0)	0	0	117	47
48								48
49								49
50								50
51								51
52								52
53								53
54	FERC STATE INCOME TAX FACTOR:							54
55	MUNICIPAL REVENUE			198,999	0	0	198,999	55
56	WHEELING REVENUE			439,772	0	0	439,772	56
57	<b>TOTAL</b>			638,770	0	0	638,770	57
58								58
59	PERCENTAGE OF TOTAL			100.00%	0.00%	0.00%	100.00%	59
60	FEDERAL ADJ INCOME BEFORE TAXES - FERC		21,722,479	21,722,479	21,722,479	21,722,479		60
61								61
62	FERC FED ADJ INCOME - STATE TAX CALC		21,722,479	0	0	21,722,479		62
63								63
64								64

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ALLOCATION

LINE NO	ITEM	FACTOR	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	MWH CONSUMPTION AT GENERATORS - PARTIAL PERCENTAGE	E1	2,593,582 54.98340%	1,682,012 35.65831%	437,467 9.27421%	3,966 0.08408%	4,717,027 100.00000%	1
2								2
3								3
4	MWH CONSUMPTION AT GENERATORS - TOTAL PERCENTAGE	E2	2,813,773 53.37802%	1,980,855 37.57734%	472,885 9.97075%	3,895 0.07389%	5,271,408 100.00000%	4
5								5
6								6
7	GENERATION DEMAND FACTOR PERCENTAGE	D1	375,938 50.74449%	295,156 39.64045%	68,833 9.29115%	918 0.12391%	740,845 100.00000%	7
8								8
9								9
10	TRANSMISSION DEMAND FACTOR PERCENTAGE	D2	375,938 50.43683%	295,156 39.59891%	68,833 9.23482%	5,437 0.72944%	745,364 100.00000%	10
11								11
12								12
13	DISTRIBUTION - PRIMARY DEMAND FACTOR PERCENTAGE	D3	382,946 43.53638%	403,477 45.87051%	87,651 9.96487%	5,526 0.62824%	879,600 100.00000%	13
14								14
15								15
16	DISTRIBUTION - SECONDARY DEMAND FACTOR PERCENTAGE	D4	484,988 41.51331%	561,014 48.02088%	122,269 10.46581%	0 0.00000%	1,168,271 100.00000%	16
17								17
18								18
19	CUSTOMER OR METER FACTORS							19
20	TOTAL RETAIL CUSTOMERS PERCENTAGE	C1	62,270 46.66622%	59,557 44.63305%	11,610 8.70074%	0 0.00000%	133,437 100.00000%	20
21								21
22								22
23	RETAIL SERVICE LOCATIONS PERCENTAGE	C2	65,272 46.56731%	62,754 44.77088%	12,137 8.65896%	4 0.00285%	140,167 100.00000%	23
24								24
25								25
26	SECONDARY SERVICE LOCATIONS PERCENTAGE	C3	65,225 46.55902%	62,738 44.78375%	12,128 8.65723%	0 0.00000%	140,091 100.00000%	26
27								27
28								28
29	STREET LIGHTING FACTOR PERCENTAGE	C4	2,475,177 45.29969%	2,381,279 43.58121%	607,548 11.11910%	0 0.00000%	5,464,004 100.00000%	29
30								30
31								31
32	AREA LIGHTING FACTOR PERCENTAGE	C5	1,966,717 41.08570%	2,477,820 51.76290%	342,328 7.15140%	0 0.00000%	4,786,865 100.00000%	32
33								33
34								34
35	METER FACTOR PERCENTAGE	C6	24,253,657 46.10670%	23,503,024 44.67973%	4,846,644 9.21357%	0 0.00000%	52,603,325 100.00000%	35
36								36
37								37
38	METER READING FACTOR PERCENTAGE	C7	88,079 48.31621%	77,918 42.74234%	16,300 8.94145%	0 0.00000%	182,297 100.00000%	38
39								39
40								40
41	SYSTEM SERVICE LOCATIONS PERCENTAGE	C8	65,294 46.57470%	62,757 44.76504%	12,137 8.65741%	4 0.00285%	140,192 100.00000%	41
42								42
43								43
44	LOAD MANAGEMENT FACTOR PERCENTAGE	C9	20,051 46.87990%	18,627 43.55054%	4,093 9.56957%	0 0.00000%	42,771 100.00000%	44
45								45
46								46
47								47
48								48
49								49
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51								51
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OTTER TAIL POWER COMPANY  
JURISDICTIONAL COST OF SERVICE STUDY  
North Dakota 2018 Interim Test Year

LINE NO	ITEM	ALLOCATION FACTOR	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<b>GROSS PLANT IN SERVICE</b>							1
7	PRODUCTION PLANT	P10	235,403,591	154,188,767	40,610,509	376,857	430,579,725	2
8	PERCENTAGE		54.671313%	35.80957%	9.43159%	0.087523%	100.000000%	3
9								4
10	DISTRIBUTION PLANT	P60	220,381,104	228,593,947	47,845,201	1,172,619	497,992,871	5
11	PERCENTAGE		44.253867%	45.90306%	9.60761%	0.235469%	100.000000%	6
12								7
13	GENERAL PLANT	P90	44,132,567	36,081,097	8,231,609	174,506	88,619,779	8
14	PERCENTAGE		49.799906%	40.71450%	9.28668%	0.196916%	100.000000%	9
15								10
16								11
17	ELECTRIC PLANT IN SERVICE	EPIS	640,243,183	529,263,615	122,404,512	130,200,455	1,422,111,765	12
18	PERCENTAGE		45.020595%	37.21674%	8.60724%	9.155431%	100.000000%	13
19								14
20	<b>NET ELECTRIC PLANT IN SERVICE</b>	NEPIS	323,113,084	272,568,167	62,824,894	124,126,325	782,632,470	15
21	PERCENTAGE		41.285418%	34.82710%	8.02738%	15.860104%	100.000000%	16
22								17
23	<b>OPERATION AND MAINTENANCE EXPENSE</b>							18
24	PRODUCTION EXPENSE (EXCL ENERGY)	OXPD	11,774,628	7,873,398	2,011,110	19,590	21,678,726	19
25	PERCENTAGE		54.314205%	36.31854%	9.27688%	0.090367%	100.000000%	20
26								21
27								22
28	DISTRIBUTION EXPENSE	OXD	7,582,399	7,680,921	1,621,012	33,052	16,917,384	23
29	PERCENTAGE		44.820164%	45.40253%	9.58193%	0.195370%	100.000000%	24
30								25
31	CUSTOMER ACCOUNTS EXPENSE	OXC	6,543,844	6,091,579	1,214,260	242	13,849,926	26
32	PERCENTAGE		47.248226%	43.98276%	8.76726%	0.001750%	100.000000%	27
33								28
34	CUSTOMER SERVICE & INFORMATION EXPENSE	OXI	1,445,487	1,382,509	269,505	0	3,097,502	29
35	PERCENTAGE		46.666217%	44.63305%	8.70074%	0.000000%	100.000000%	30
36								31
37	<b>OTHER DEFERRED INCOME TAX FACTOR</b>							32
38	MINNESOTA	NPISM	323,113,084	0	0	124,126,325	447,239,409	33
39	PERCENTAGE		72.246112%	0.00000%	0.00000%	27.753888%	100.000000%	34
40								35
41	NORTH DAKOTA	NPISN	0	272,568,167	0	0	272,568,167	36
42	PERCENTAGE		0.000000%	100.00000%	0.00000%	0.000000%	100.000000%	37
43								38
44	EXCLUDING SOUTH DAKOTA	NPMNR	323,113,084	272,568,167	0	124,126,325	719,807,576	39
45	PERCENTAGE		44.888814%	37.86681%	0.00000%	17.244376%	100.000000%	40
46								41
47	LONG-TERM CWIP RATIO (W/AFDC)	CWIPLT	14,896,311	0	0	72,566	28,591,925	42
48	PERCENTAGE		52.099715%	0.00000%	0.00000%	0.253799%	100.000000%	43
49								44
50	REVENUE	R10	207,731,002	122,589,268	29,544,870	0	359,865,140	45
51	PERCENTAGE		57.724680%	34.06534%	8.20998%	0.000000%	100.000000%	46
52								47
53	LABOR AND RELATED EXPENSE	LRE	72,626,792	53,354,537	12,504,708	2,225,402	140,711,439	48
54	PERCENTAGE		51.613993%	37.91770%	8.88677%	1.581536%	100.000000%	49
55								50
56	<b>TOTAL O &amp; M EXPENSE</b>	OX						51
57	PERCENTAGE							52
58								53
59								54
60								55
61								56
62								57
63								58
64								59
65								60
66								60

LINE NO.	ITEM	AMOUNT	A PERCENT OF TOTAL	COST OF CAPITAL	RATE OF RETURN	LINE NO.
1	<b>CAPITAL STRUCTURE - RATE OF RETURN</b>					1
2						2
3						3
4						4
5	LONG-TERM DEBT	508,651,904	47.50%	5.39%	2.56%	5
6	PREFERRED STOCK	0	0.00%	0.00%	0.00%	6
7	COMMON EQUITY	562,251,937	52.50%	17.68%	9.28%	7
8						8
9						9
10						10
11	<b>TOTAL</b>	<b>1,070,903,841</b>	<b>100.00%</b>		<b>11.84%</b>	11
12						12
13						13
14	<b>RATE OF RETURN EARNED - NORTH DAKOTA</b>					14
15		508,651,904	47.50%	5.39%	2.56%	15
16		0	0.00%	0.00%	0.00%	16
17		562,251,937	52.50%	3.49%	1.83%	17
18						18
19						19
20						20
21						21
22						22
23		<b>1,070,903,841</b>	<b>100.00%</b>		<b>4.39%</b>	23
24						24
25						25
26						26
27	<b>RATE OF RETURN EARNED - SOUTH DAKOTA</b>					27
28		508,651,904	47.50%	5.39%	2.56%	28
29		0	0.00%	0.00%	0.00%	29
30		562,251,937	52.50%	4.50%	2.36%	30
31						31
32						32
33						33
34						34
35		<b>1,070,903,841</b>	<b>100.00%</b>		<b>4.92%</b>	35
36						36
37						37
38						38
39	<b>RATE OF RETURN EARNED - FERC</b>					39
40		508,651,904	47.50%	5.39%	2.56%	40
41		0	0.00%	0.00%	0.00%	41
42		562,251,937	52.50%	14.65%	7.69%	42
43						43
44						44
45						45
46						46
47		<b>1,070,903,841</b>	<b>100.00%</b>		<b>10.25%</b>	47
48						48
49						49
50	<b>RATE OF RETURN EARNED - TOTAL COMPANY</b>					50
51		508,651,904	47.50%	5.39%	2.56%	51
52		0	0.00%	0.00%	0.00%	52
53		562,251,937	52.50%	11.71%	6.15%	53
54						54
55						55
56						56
57						57
58						58
59		<b>1,070,903,841</b>	<b>100.00%</b>		<b>8.71%</b>	59
60						60

LINE NO	ITEM	ALLOCATION	MINNESOTA	NORTH DAKOTA	SOUTH DAKOTA	FERC	TOTAL COMPANY	LINE NO
1	<u>CASH WORKING CAPITAL CALCULATION - REVENUE LEAD DAYS</u>							1
2								2
3	<u>REVENUES</u>							3
4	COMPUTER MAINTAINED BILLINGS	R10	188,916,379	116,394,113	17,097,834	0	322,408,326	4
5	MANUALLY MAINTAINED BILLINGS		17,970,165	11,071,679	1,626,386	0	30,668,230	5
6	COST OF ENERGY REVENUES		1,366,888	(4,463,840)	10,945,102	23,428	7,871,578	6
7	SALES FOR RESALE		8,021	5,646	1,348	175,582	190,597	7
8	RENT FROM ELECTRIC PROPERTY		234,504	197,821	45,596	90,087	568,008	8
9	MISCELLANEOUS		1,063,915	897,486	206,864	408,711	2,576,976	9
10	ITA DEFICIENCY PAYMENTS		732,254	617,707	142,377	281,301	1,773,638	10
11	WHEELING		0	0	0	439,772	439,772	11
12	LOAD CONTROL AND DISPATCH		8,965,923	7,563,374	1,743,300	3,444,327	21,716,925	12
13	RENT FROM ELECTRIC PROPERTY - BIG STONE		4,882	4,118.44	949	1,876	11,825	13
14	RENT FROM ELECTRIC PROPERTY - COYOTE		4,046	3,413	787	1,554	9,800	14
15	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	0	0	15
16	RUBBER GOODS TESTING		11,601	9,787	2,256	4,457	28,101	16
17	RESIDENTIAL CONSERVATION SERVICES		2,676	0	0	0	2,676	17
18								18
19	<b>TOTAL REVENUES</b>		<b>219,281,255</b>	<b>132,301,305</b>	<b>31,812,798</b>	<b>4,871,084</b>	<b>388,266,451</b>	19
20								20
21	<u>REVENUE LEAD DAYS FROM SERVICE TO COLLECTION</u>							21
22								22
23	COMPUTER MAINTAINED BILLINGS		43.4	43.4	43.4	43.4	N/A	23
24	MANUALLY MAINTAINED BILLINGS		41.3	41.3	41.3	41.3	N/A	24
25	COST OF ENERGY REVENUES		98.3	127.7	113.6	81.1	N/A	25
26	SALES FOR RESALE		23.1	23.1	23.1	23.1	N/A	26
27	RENT FROM ELECTRIC PROPERTY		(92.4)	(92.4)	(92.4)	(92.4)	N/A	27
28	MISCELLANEOUS		34.9	34.9	34.9	34.9	N/A	28
29	ITA DEFICIENCY PAYMENTS		48.4	48.4	48.4	48.4	N/A	29
30	WHEELING		35.8	35.8	35.8	35.8	N/A	30
31	LOAD CONTROL AND DISPATCH		27.9	27.9	27.9	27.9	N/A	31
32	RENT FROM ELECTRIC PROPERTY - BIG STONE		42.8	39.3	66.4	28.2	N/A	32
33	RENT FROM ELECTRIC PROPERTY - COYOTE		42.8	39.3	66.4	28.2	N/A	33
34	PROFIT ON MATERIALS AND SUPPLIES		42.8	39.3	66.4	28.2	N/A	34
35	RUBBER GOODS TESTING		42.8	39.3	66.4	28.2	N/A	35
36	RESIDENTIAL CONSERVATION SERVICES		42.8	39.3	66.4	28.2	N/A	36
37								37
38								38
39	<u>REVENUE DOLLAR DAYS (REVENUES X REVENUE LEAD DAYS)</u>							39
40	COMPUTER MAINTAINED BILLINGS		8,198,870,829	5,051,504,523	742,045,990	0	13,992,521,342	40
41	MANUALLY MAINTAINED BILLINGS		742,167,822	457,260,331	67,189,730	0	1,266,597,883	41
42	COST OF ENERGY REVENUES		134,385,090	(570,108,920)	1,243,207,500	1,900,011	809,363,681	42
43	SALES FOR RESALE		184,955	130,206	31,084	4,048,916	4,395,161	43
44	RENT FROM ELECTRIC PROPERTY		(21,670,553)	(18,280,606)	(4,213,541)	(8,324,906)	(52,489,606)	44
45	MISCELLANEOUS		37,151,927	31,340,213	7,223,681	14,272,193	89,988,014	45
46	ITA DEFICIENCY PAYMENTS		35,441,095	29,897,008	6,891,033	13,614,964	85,844,099	46
47	WHEELING		0	0	0	15,726,231	15,726,231	47
48	LOAD CONTROL AND DISPATCH		250,149,254	211,018,146	48,638,081	96,096,720	605,902,201	48
49	RENT FROM ELECTRIC PROPERTY - BIG STONE		208,957	161,855	63,031	52,890	486,732	49
50	RENT FROM ELECTRIC PROPERTY - COYOTE		173,168	134,133	52,236	43,831	403,367	50
51	PROFIT ON MATERIALS AND SUPPLIES		0	0	0	0	0	51
52	RUBBER GOODS TESTING		496,543	384,615	149,782	125,682	1,156,622	52
53	RESIDENTIAL CONSERVATION SERVICES		114,533	0	0	0	114,533	53
54								54
55	<b>TOTAL DOLLAR DAYS</b>		<b>9,377,753,621</b>	<b>5,193,441,503</b>	<b>2,111,258,607</b>	<b>137,556,530</b>	<b>16,820,010,261</b>	55
56								56
57								57
58	<b>AVG REVENUE LEAD DAYS (TOTAL REV DOLLAR DAYS / TOTAL REV)</b>		<b>42.8</b>	<b>39.3</b>	<b>66.4</b>	<b>28.2</b>	<b>43.3</b>	58
59								59
60								60

Volume 4A

D. Hevert Cost of Capital Workpapers

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