

Name of Respondent Northern States Power Company (Minnesota)		This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission		Date of Report (Mo, Da, Yr) 04/10/2017		Year/Period of Report End of 2016/Q4	
STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)							
<p>1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a therm basis report the Btu content of the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.</p>							
Line No.	Item (a)	Plant Name: <i>Riverside</i> (b)	Plant Name: <i>Wilmarth</i> (c)				
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)	Combined Cycle	Steam				
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	Conventional	Conventional				
3	Year Originally Constructed	1911	1948				
4	Year Last Unit was Installed	2009	1951				
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	585.90	25.00				
6	Net Peak Demand on Plant - MW (60 minutes)	515	20				
7	Plant Hours Connected to Load	6116	7849				
8	Net Continuous Plant Capability (Megawatts)	500	18				
9	When Not Limited by Condenser Water	500	18				
10	When Limited by Condenser Water	454	18				
11	Average Number of Employees	25	27				
12	Net Generation, Exclusive of Plant Use - KWh	2432580177	102710075				
13	Cost of Plant: Land and Land Rights	450132	499773				
14	Structures and Improvements	52226101	8063468				
15	Equipment Costs	259887622	45362147				
16	Asset Retirement Costs	864346	962921				
17	Total Cost	313428201	54888309				
18	Cost per KW of Installed Capacity (line 17/5) Including	534.9517	2195.5324				
19	Production Expenses: Oper, Supv, & Engr	402745	192937				
20	Fuel	60967897	482954				
21	Coolants and Water (Nuclear Plants Only)	0	0				
22	Steam Expenses	7632	1608798				
23	Steam From Other Sources	0	0				
24	Steam Transferred (Cr)	0	0				
25	Electric Expenses	2108589	144071				
26	Misc Steam (or Nuclear) Power Expenses	801207	806181				
27	Rents	556267	199835				
28	Allowances	0	0				
29	Maintenance Supervision and Engineering	219150	59961				
30	Maintenance of Structures	1465180	135202				
31	Maintenance of Boiler (or reactor) Plant	3062	1755638				
32	Maintenance of Electric Plant	2750484	665988				
33	Maintenance of Misc Steam (or Nuclear) Plant	325659	870712				
34	Total Production Expenses	69607872	6922277				
35	Expenses per Net KWh	0.0286	0.0674				
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Gas	Oil	RDF	Gas	Wood	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	MCF	Barrels	Tons	MCF	Tons	
38	Quantity (Units) of Fuel Burned	0	16490194	14	177689	30206	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	0	1055	137694	6052	1059	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	0.000	3.697	58.988	2.015	4.923	0.000
41	Average Cost of Fuel per Unit Burned	0.000	3.697	58.988	14.036	4.923	0.000
42	Average Cost of Fuel Burned per Million BTU	0.000	3.503	10.200	1.160	4.650	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.025	0.000	0.000	0.030	0.000
44	Average BTU per KWh Net Generation	0.000	7019.670	0.000	0.000	21250.630	0.000

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a therm basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: <i>Sherburne County</i> (b)	Plant Name: <i>Granite City</i> (c)
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear	Steam	Gas Turbine
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	Conventional	Ind Enclosures
3	Year Originally Constructed	1976	1969
4	Year Last Unit was Installed	1987	1969
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	2469.32	72.00
6	Net Peak Demand on Plant - MW (60 minutes)	1901	30
7	Plant Hours Connected to Load	8784	24
8	Net Continuous Plant Capability (Megawatts)	1879	64
9	When Not Limited by Condenser Water	1879	64
10	When Limited by Condenser Water	1879	52
11	Average Number of Employees	253	0
12	Net Generation, Exclusive of Plant Use - KWh	10002378056	-232680
13	Cost of Plant: Land and Land Rights	5951721	40240
14	Structures and Improvements	225182051	1241718
15	Equipment Costs	1197199512	7525213
16	Asset Retirement Costs	175096	68958
17	Total Cost	1428508380	8876129
18	Cost per KW of Installed Capacity (line 17/5) Including	578.5027	123.2796
19	Production Expenses: Oper, Supv, & Engr	2673757	0
20	Fuel	229343171	66943
21	Coolants and Water (Nuclear Plants Only)	0	0
22	Steam Expenses	7911450	0
23	Steam From Other Sources	0	0
24	Steam Transferred (Cr)	0	0
25	Electric Expenses	3227986	29056
26	Misc Steam (or Nuclear) Power Expenses	13041035	857542
27	Rents	2034967	4650
28	Allowances	0	0
29	Maintenance Supervision and Engineering	1977489	7276
30	Maintenance of Structures	2741879	29150
31	Maintenance of Boiler (or reactor) Plant	19206440	0
32	Maintenance of Electric Plant	6283369	7546
33	Maintenance of Misc Steam (or Nuclear) Plant	9690072	0
34	Total Production Expenses	298131615	1002163
35	Expenses per Net KWh	0.0298	-4.3070
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels
38	Quantity (Units) of Fuel Burned	5907571	15053
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	8700	141959
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	36.198	63.913
41	Average Cost of Fuel per Unit Burned	37.346	63.913
42	Average Cost of Fuel Burned per Million BTU	2.146	10.720
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.000
44	Average BTU per KWh Net Generation	0.000	10285.180

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)							
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Line No.	Item (a)	Plant Name: <i>Angus Anson</i> (b)		Plant Name: <i>Black Dog Unit 5</i> (c)			
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)	Gas Turbines		Combined Cycle			
2	Type of Constr (Conventional, Outdoor, Boiler, etc)			Conventional			
3	Year Originally Constructed	1994		1987			
4	Year Last Unit was Installed	2005		2002			
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	405.66		324.79			
6	Net Peak Demand on Plant - MW (60 minutes)	363		322			
7	Plant Hours Connected to Load	635		5021			
8	Net Continuous Plant Capability (Megawatts)	386		298			
9	When Not Limited by Condenser Water	386		298			
10	When Limited by Condenser Water	327		282			
11	Average Number of Employees	8		30			
12	Net Generation, Exclusive of Plant Use - KWh	65635496		1144542997			
13	Cost of Plant: Land and Land Rights	1172616		952692			
14	Structures and Improvements	7674466		48545696			
15	Equipment Costs	114385823		185670419			
16	Asset Retirement Costs	658999		-10644999			
17	Total Cost	123891904		224523808			
18	Cost per KW of Installed Capacity (line 17/5) Including	305.4082		691.2892			
19	Production Expenses: Oper, Supv, & Engr	12228		34072			
20	Fuel	2701019		25707170			
21	Coolants and Water (Nuclear Plants Only)	0		0			
22	Steam Expenses	0		0			
23	Steam From Other Sources	0		0			
24	Steam Transferred (Cr)	0		0			
25	Electric Expenses	32931		55128			
26	Misc Steam (or Nuclear) Power Expenses	686719		110147			
27	Rents	77302		177604			
28	Allowances	0		0			
29	Maintenance Supervision and Engineering	2105		54697			
30	Maintenance of Structures	725064		628141			
31	Maintenance of Boiler (or reactor) Plant	0		1403			
32	Maintenance of Electric Plant	949249		1874218			
33	Maintenance of Misc Steam (or Nuclear) Plant	186800		141089			
34	Total Production Expenses	5373417		28783669			
35	Expenses per Net KWh	0.0819		0.0251			
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Gas		Oil		Gas	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	MCF		Barrels		MCF	
38	Quantity (Units) of Fuel Burned	752884	0	2461	0	7899394	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	1070	0	137646	0	1060	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	3.361	0.000	69.321	0.000	3.254	0.000
41	Average Cost of Fuel per Unit Burned	3.361	0.000	69.321	0.000	3.255	0.000
42	Average Cost of Fuel Burned per Million BTU	3.141	0.000	11.991	0.000	3.071	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.040	0.000	0.000	0.020	0.000
44	Average BTU per KWh Net Generation	0.000	12489.600	0.000	0.000	7315.850	0.000

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Line No.	Item (a)	Plant Name: (b)	Plant Name: (c)
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear		
2	Type of Constr (Conventional, Outdoor, Boiler, etc)		
3	Year Originally Constructed		
4	Year Last Unit was Installed		
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	0.00	0.00
6	Net Peak Demand on Plant - MW (60 minutes)	0	0
7	Plant Hours Connected to Load	0	0
8	Net Continuous Plant Capability (Megawatts)	0	0
9	When Not Limited by Condenser Water	0	0
10	When Limited by Condenser Water	0	0
11	Average Number of Employees	0	0
12	Net Generation, Exclusive of Plant Use - KWh	0	0
13	Cost of Plant: Land and Land Rights	0	0
14	Structures and Improvements	0	0
15	Equipment Costs	0	0
16	Asset Retirement Costs	0	0
17	Total Cost	0	0
18	Cost per KW of Installed Capacity (line 17/5) Including	0	0
19	Production Expenses: Oper, Supv, & Engr	0	0
20	Fuel	0	0
21	Coolants and Water (Nuclear Plants Only)	0	0
22	Steam Expenses	0	0
23	Steam From Other Sources	0	0
24	Steam Transferred (Cr)	0	0
25	Electric Expenses	0	0
26	Misc Steam (or Nuclear) Power Expenses	0	0
27	Rents	0	0
28	Allowances	0	0
29	Maintenance Supervision and Engineering	0	0
30	Maintenance of Structures	0	0
31	Maintenance of Boiler (or reactor) Plant	0	0
32	Maintenance of Electric Plant	0	0
33	Maintenance of Misc Steam (or Nuclear) Plant	0	0
34	Total Production Expenses	0	0
35	Expenses per Net KWh	0.0000	0.0000
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)		
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)		
38	Quantity (Units) of Fuel Burned	0	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	0	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	0.000	0.000
41	Average Cost of Fuel per Unit Burned	0.000	0.000
42	Average Cost of Fuel Burned per Million BTU	0.000	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.000
44	Average BTU per KWh Net Generation	0.000	0.000

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)												
<p>9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.</p>												
Plant Name: A S King (d)				Plant Name: Prairie Island (e)				Plant Name: Blue Lake (f)				Line No.
Steam				Nuclear				Gas Turbine				1
Conventional				Conventional				Ind Enclosures				2
1968				1973				1974				3
1968				1974				2005				4
598.40				1186.20				559.32				5
541				1114				454				6
6290				8784				883				7
511				1092				545				8
511				1092				545				9
511				1040				0				10
86				673				5				11
2715572900				8263058000				197208000				12
1335100				969229				141878				13
38620988				313268814				1623647				14
661536103				1660717974				94471040				15
3833412				174529690				94817				16
705325603				2149485707				96331382				17
1178.6858				1812.0770				172.2295				18
690548				44643743				120484				19
62484824				72011347				8114997				20
0				4758389				0				21
6176628				27159670				0				22
0				0				0				23
0				0				0				24
804896				4147206				265490				25
3245828				79621338				45136				26
970170				6261808				55992				27
0				0				0				28
410950				4109342				37342				29
2499401				845272				187072				30
8981609				29158695				0				31
2944859				11683767				554663				32
3259211				23142866				4403				33
92468924				307543443				9385579				34
0.0341				0.0372				0.0476				35
Coal	Gas	Oil		Nuclear		Gas		Oil		36		
Tons	MCF	Barrels		Grams: U235		MCF		Barrels		37		
1522701	66138	114	0	802864	0	1996559	0	3117		38		
8874	1056	138333	0	108747	0	1062	0	138011		39		
38.286	3.923	81.999	0.000	0.000	0.000	3.909	0.000	99.782		40		
41.700	3.923	81.999	0.000	0.000	0.000	3.909	0.000	99.782		41		
2.349	3.715	14.113	0.000	0.829	0.000	3.680	0.000	17.214		42		
0.000	0.020	0.000	0.000	0.010	0.000	0.000	0.040	0.000		43		
0.000	9978.140	0.000	0.000	10566.610	0.000	0.000	10845.400	0.000		44		

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<p>9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.</p>									
Plant Name: <i>Inver Hills</i> (d)			Plant Name: <i>High Bridge 7, 8, 9</i> (e)			Plant Name: <i>Monticello</i> (f)		Line No.	
Gas Turbine			Combined Cycle			Nuclear		1	
Ind Enclosures			Conventional			Conventional		2	
1972			1924			1971		3	
1972			2008			1971		4	
280.50			644.06			684.97		5	
269			629			670		6	
265			5358			8784		7	
371			606			646		8	
371			606			646		9	
282			530			617		10	
7			23			525		11	
17435963			2125527000			5597758000		12	
432561			528150			783302		13	
1417386			70897135			218109485		14	
57422832			316687477			1168306394		15	
114211			19394			308141112		16	
59386990			388132156			1695340293		17	
211.7183			602.6335			2475.0577		18	
7711			367189			27071298		19	
1068557			46889426			44970200		20	
0			0			3915850		21	
0			0			20643952		22	
0			0			0		23	
0			0			0		24	
243094			2559186			0		25	
89427			1260663			58437989		26	
47365			492128			4501658		27	
0			0			0		28	
557			155542			2537807		29	
365521			775140			0		30	
0			2176			13414210		31	
446669			1190708			5807646		32	
13863			202025			7757243		33	
2282764			53894183			189057853		34	
0.1309			0.0254			0.0338		35	
Gas			Gas			Nuclear		36	
MCF			MCF			Grams: U235		37	
0	287376	587	0	14075416	0	0	494195	0	38
0	1058	139856	0	1060	0	0	118507	0	39
0.000	3.560	77.844	0.000	3.331	0.000	0.000	0.000	0.000	40
0.000	3.560	85.399	0.000	3.331	0.000	0.000	0.000	0.000	41
0.000	3.364	14.539	0.000	3.143	0.000	0.000	0.772	0.000	42
0.000	0.060	0.000	0.000	0.020	0.000	0.000	0.010	0.000	43
0.000	17639.110	0.000	0.000	7019.670	0.000	0.000	10462.450	0.000	44

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Plant Name: <i>Black Dog 3 & 4</i> (d)			Plant Name: <i>Key City</i> (e)			Plant Name: (f)			Line No.
Steam			Gas Turbine						1
Conventional			Ind Enclosures						2
1952			1970						3
1960			1970						4
0.00			0.00			0.00			5
0			0			0			6
0			0			0			7
0			0			0			8
0			0			0			9
0			0			0			10
0			0			0			11
0			-32640			0			12
0			67495			0			13
0			1002265			0			14
0			7597648			0			15
0			0			0			16
0			8667408			0			17
0			0			0			18
360962			0			0			19
4107			0			0			20
0			0			0			21
2807502			0			0			22
0			0			0			23
0			0			0			24
563819			6			0			25
618949			0			0			26
245052			442			0			27
0			0			0			28
19120			0			0			29
1241765			1039			0			30
341685			0			0			31
131838			3199			0			32
995629			0			0			33
7330428			4686			0			34
0.0000			-0.1436			0.0000			35
	Oil								36
	Barrels								37
0	47	0	0	0	0	0	0	0	38
0	139898	0	0	0	0	0	0	0	39
0.000	88.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	40
0.000	88.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	41
0.000	14.979	0.000	0.000	0.000	0.000	0.000	0.000	0.000	42
0.000	0.310	0.000	0.000	0.000	0.000	0.000	0.000	0.000	43
0.000	7410.810	0.000	0.000	0.000	0.000	0.000	0.000	0.000	44

Name of Respondent Northern States Power Company (Minnesota)			This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission			Date of Report (Mo, Da, Yr) 04/10/2017			Year/Period of Report End of 2016/Q4		
STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)											
<p>9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.</p>											
Plant Name: (d)			Plant Name: (e)			Plant Name: (f)			Line No.		
									1		
									2		
									3		
									4		
0.00			0.00			0.00			5		
0			0			0			6		
0			0			0			7		
0			0			0			8		
0			0			0			9		
0			0			0			10		
0			0			0			11		
0			0			0			12		
0			0			0			13		
0			0			0			14		
0			0			0			15		
0			0			0			16		
0			0			0			17		
0			0			0			18		
0			0			0			19		
0			0			0			20		
0			0			0			21		
0			0			0			22		
0			0			0			23		
0			0			0			24		
0			0			0			25		
0			0			0			26		
0			0			0			27		
0			0			0			28		
0			0			0			29		
0			0			0			30		
0			0			0			31		
0			0			0			32		
0			0			0			33		
0			0			0			34		
0.0000			0.0000			0.0000			35		
									36		
									37		
0			0			0			38		
0			0			0			39		
0.000			0.000			0.000			40		
0.000			0.000			0.000			41		
0.000			0.000			0.000			42		
0.000			0.000			0.000			43		
0.000			0.000			0.000			44		

Name of Respondent	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/10/2017	Year/Period of Report 2016/Q4
Northern States Power Company (Minnesota)			
FOOTNOTE DATA			

Schedule Page: 403 Line No.: -1 Column: e

Instruction 12 - Prairie Island Nuclear Generating Plant (p. 403)

(a) Operating and maintenance costs of the Prairie Island Plant are expensed as incurred. NSP-Minnesota uses a deferral and amortization method for nuclear refueling operation and maintenance costs. This method amortizes refueling outage costs over the period between refueling outages consistent with how the costs are recovered ratably in electric cases.

(b) NSP-Minnesota buys and owns the fuel for this plant. The standard FERC accounting system is used to make a breakdown of the various components of fuel costs.

(c) The Prairie Island Plant has two identical Westinghouse 2 loop PWR Nuclear Power Plants. Fuel material is UO2 contained in zirconium alloy based cladding. The equilibrium cycle has approximately 47 metric tons of uranium metal with a nominal U-235 enrichment of 4.95 weight percent in the fresh fuel. The reactor is licensed to operate at 1677 MWt.

Schedule Page: 402.1 Line No.: -1 Column: b

Sherburne County Generating Plant Unit 3 is jointly owned by NSP-Minnesota (59 percent) and Southern Minnesota Municipal Power Agency (41 percent). See Note 4 of the Financial Statements on Page 123 for disclosures regarding Sherco Unit 3.

Schedule Page: 403.1 Line No.: -1 Column: f

Instruction 12 - Monticello Nuclear Generating Plant (p. 403.1)

(a) Operating and maintenance costs of the Monticello Plant are expensed as incurred. NSP-Minnesota uses a deferral and amortization method for nuclear refueling operation and maintenance costs. This method amortizes refueling outage costs over the period between refueling outages consistent with how the costs are recovered ratably in electric cases.

(b) NSP-Minnesota buys and owns the fuel for this plant. The standard FERC accounting system is used to make a breakdown of the various components of fuel costs.

(c) The Monticello Plant is a General Electric BWR-3 Nuclear Power Plant. Fuel material is UO2 contained in zirconium alloy based cladding. The equilibrium cycle has approximately 84 metric tons of uranium metal with a nominal U-235 enrichment of 3.8 weight percent in the fresh fuel. The reactor is licensed to operate at 2,004 MWt.

Schedule Page: 402 Line No.: 39 Column: b1

The "Average Heat Content of Fuel Burned" is calculated as:

Coal: Btu/pound
Oil: Btu/gallon
Gas: Btu/cubic ft

Schedule Page: 402 Line No.: 39 Column: e2

Average heat content of fuel burned is MBTU/kg U235.

Schedule Page: 402.1 Line No.: 39 Column: f2

Average heat content of fuel burned is in KBTU/gm U235.

Name of Respondent Northern States Power Company (Minnesota)		This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission		Date of Report (Mo, Da, Yr) 04/06/2018		Year/Period of Report End of 2017/Q4	
STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)							
1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a therm basis report the Btu content of the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.							
Line No.	Item (a)	Plant Name: <i>Riverside</i> (b)	Plant Name: <i>Wilmarth</i> (c)				
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)	Combined Cycle	Steam				
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	Conventional	Conventional				
3	Year Originally Constructed	1911	1948				
4	Year Last Unit was Installed	2009	1951				
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	585.90	25.00				
6	Net Peak Demand on Plant - MW (60 minutes)	512	20				
7	Plant Hours Connected to Load	4117	7360				
8	Net Continuous Plant Capability (Megawatts)	500	18				
9	When Not Limited by Condenser Water	500	18				
10	When Limited by Condenser Water	454	18				
11	Average Number of Employees	23	27				
12	Net Generation, Exclusive of Plant Use - KWh	1597803172	88062421				
13	Cost of Plant: Land and Land Rights	450133	499773				
14	Structures and Improvements	52352107	8200994				
15	Equipment Costs	256484156	47086952				
16	Asset Retirement Costs	864346	962921				
17	Total Cost	310150742	56750640				
18	Cost per KW of Installed Capacity (line 17/5) Including	529.3578	2270.0256				
19	Production Expenses: Oper, Supv, & Engr	537134	360106				
20	Fuel	51327469	524942				
21	Coolants and Water (Nuclear Plants Only)	0	0				
22	Steam Expenses	97865	2186499				
23	Steam From Other Sources	0	0				
24	Steam Transferred (Cr)	0	0				
25	Electric Expenses	2043497	84826				
26	Misc Steam (or Nuclear) Power Expenses	853105	568096				
27	Rents	521592	285138				
28	Allowances	0	0				
29	Maintenance Supervision and Engineering	311527	39320				
30	Maintenance of Structures	782517	221734				
31	Maintenance of Boiler (or reactor) Plant	22380	1645976				
32	Maintenance of Electric Plant	6165201	1232260				
33	Maintenance of Misc Steam (or Nuclear) Plant	286668	879551				
34	Total Production Expenses	62948955	8028448				
35	Expenses per Net KWh	0.0394	0.0912				
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Gas	Oil	RDF	Gas	Wood	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	MCF	Barrels	Tons	MCF	Tons	
38	Quantity (Units) of Fuel Burned	0	11078777	0	149961	28549	
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	0	1050	0	6051	1062	
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	0.000	4.633	0.000	2.014	5.021	
41	Average Cost of Fuel per Unit Burned	0.000	4.633	0.000	11.725	5.021	
42	Average Cost of Fuel Burned per Million BTU	0.000	4.410	0.000	0.969	4.728	
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.032	0.000	0.000	0.020	
44	Average BTU per KWh Net Generation	0.000	7283.840	0.000	0.000	20952.130	

Name of Respondent Northern States Power Company (Minnesota)	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/06/2018	Year/Period of Report End of 2017/Q4
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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a term basis report the Btu content of the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: <i>Sherburne County</i> (b)	Plant Name: <i>Granite City</i> (c)
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)	Steam	Gas Turbine
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	Conventional	Ind Enclosures
3	Year Originally Constructed	1976	1969
4	Year Last Unit was Installed	1987	1969
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	2469.32	72.00
6	Net Peak Demand on Plant - MW (60 minutes)	1906	55
7	Plant Hours Connected to Load	8760	28
8	Net Continuous Plant Capability (Megawatts)	1879	64
9	When Not Limited by Condenser Water	1879	64
10	When Limited by Condenser Water	1879	52
11	Average Number of Employees	215	0
12	Net Generation, Exclusive of Plant Use - KWh	10457101435	-204760
13	Cost of Plant: Land and Land Rights	5951721	40240
14	Structures and Improvements	225433132	1241718
15	Equipment Costs	1220886318	7531945
16	Asset Retirement Costs	-1132408	68958
17	Total Cost	1451138763	8882861
18	Cost per KW of Installed Capacity (line 17/5) Including	587.6674	123.3731
19	Production Expenses: Oper, Supv, & Engr	2262200	0
20	Fuel	251379845	30111
21	Coolants and Water (Nuclear Plants Only)	0	0
22	Steam Expenses	10191212	0
23	Steam From Other Sources	0	0
24	Steam Transferred (Cr)	0	0
25	Electric Expenses	3551831	25
26	Misc Steam (or Nuclear) Power Expenses	9820159	41142
27	Rents	1356371	2516
28	Allowances	0	0
29	Maintenance Supervision and Engineering	1285206	0
30	Maintenance of Structures	2104163	53828
31	Maintenance of Boiler (or reactor) Plant	13105448	0
32	Maintenance of Electric Plant	3040738	16203
33	Maintenance of Misc Steam (or Nuclear) Plant	7313022	0
34	Total Production Expenses	305410195	143825
35	Expenses per Net KWh	0.0292	-0.7024
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels
38	Quantity (Units) of Fuel Burned	6352148	21258
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	8644	138195
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	37.032	71.201
41	Average Cost of Fuel per Unit Burned	39.298	71.201
42	Average Cost of Fuel Burned per Million BTU	2.273	12.267
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.000
44	Average BTU per KWh Net Generation	0.000	0.000

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)							
1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a term basis report the Btu content of the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.							
Line No.	Item (a)	Plant Name: <i>Angus Anson</i> (b)		Plant Name: <i>Black Dog Unit 5</i> (c)			
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)	Gas Turbines		Combined Cycle			
2	Type of Constr (Conventional, Outdoor, Boiler, etc)			Conventional			
3	Year Originally Constructed	1994		1987			
4	Year Last Unit was Installed	2005		2002			
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	405.66		324.79			
6	Net Peak Demand on Plant - MW (60 minutes)	330		328			
7	Plant Hours Connected to Load	2056		3310			
8	Net Continuous Plant Capability (Megawatts)	386		298			
9	When Not Limited by Condenser Water	386		298			
10	When Limited by Condenser Water	327		282			
11	Average Number of Employees	8		26			
12	Net Generation, Exclusive of Plant Use - KWh	70126467		689798372			
13	Cost of Plant: Land and Land Rights	1156667		952692			
14	Structures and Improvements	7719722		49991612			
15	Equipment Costs	114588068		187049580			
16	Asset Retirement Costs	658999		48341			
17	Total Cost	124123456		238042225			
18	Cost per KW of Installed Capacity (line 17/5) Including	305.9790		732.9112			
19	Production Expenses: Oper, Supv, & Engr	89744		115642			
20	Fuel	3039318		20051517			
21	Coolants and Water (Nuclear Plants Only)	0		0			
22	Steam Expenses	0		0			
23	Steam From Other Sources	0		0			
24	Steam Transferred (Cr)	0		0			
25	Electric Expenses	40898		26756			
26	Misc Steam (or Nuclear) Power Expenses	452603		98320			
27	Rents	82588		149942			
28	Allowances	0		0			
29	Maintenance Supervision and Engineering	3706		331670			
30	Maintenance of Structures	744790		694377			
31	Maintenance of Boiler (or reactor) Plant	0		0			
32	Maintenance of Electric Plant	746580		849696			
33	Maintenance of Misc Steam (or Nuclear) Plant	24315		386029			
34	Total Production Expenses	5224542		22703949			
35	Expenses per Net KWh	0.0745		0.0329			
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Gas		Oil		Gas	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	MCF		Barrels		MCF	
38	Quantity (Units) of Fuel Burned	794569	0	513	0	4718370	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	1065	0	138009	0	1058	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	3.780	0.000	70.358	0.000	4.250	0.000
41	Average Cost of Fuel per Unit Burned	3.780	0.000	70.358	0.000	4.250	0.000
42	Average Cost of Fuel Burned per Million BTU	3.550	0.000	12.138	0.000	4.016	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.040	0.000	0.000	0.030	0.000
44	Average BTU per KWh Net Generation	0.000	12105.270	0.000	0.000	7237.560	0.000

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)

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Line No.	Item (a)	Plant Name: (b)	Plant Name: (c)
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear		
2	Type of Constr (Conventional, Outdoor, Boiler, etc)		
3	Year Originally Constructed		
4	Year Last Unit was Installed		
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	0.00	0.00
6	Net Peak Demand on Plant - MW (60 minutes)	0	0
7	Plant Hours Connected to Load	0	0
8	Net Continuous Plant Capability (Megawatts)	0	0
9	When Not Limited by Condenser Water	0	0
10	When Limited by Condenser Water	0	0
11	Average Number of Employees	0	0
12	Net Generation, Exclusive of Plant Use - KWh	0	0
13	Cost of Plant: Land and Land Rights	0	0
14	Structures and Improvements	0	0
15	Equipment Costs	0	0
16	Asset Retirement Costs	0	0
17	Total Cost	0	0
18	Cost per KW of Installed Capacity (line 17/5) Including	0	0
19	Production Expenses: Oper, Supv, & Engr	0	0
20	Fuel	0	0
21	Coolants and Water (Nuclear Plants Only)	0	0
22	Steam Expenses	0	0
23	Steam From Other Sources	0	0
24	Steam Transferred (Cr)	0	0
25	Electric Expenses	0	0
26	Misc Steam (or Nuclear) Power Expenses	0	0
27	Rents	0	0
28	Allowances	0	0
29	Maintenance Supervision and Engineering	0	0
30	Maintenance of Structures	0	0
31	Maintenance of Boiler (or reactor) Plant	0	0
32	Maintenance of Electric Plant	0	0
33	Maintenance of Misc Steam (or Nuclear) Plant	0	0
34	Total Production Expenses	0	0
35	Expenses per Net KWh	0.0000	0.0000
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)		
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)		
38	Quantity (Units) of Fuel Burned	0	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	0	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	0.000	0.000
41	Average Cost of Fuel per Unit Burned	0.000	0.000
42	Average Cost of Fuel Burned per Million BTU	0.000	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.000
44	Average BTU per KWh Net Generation	0.000	0.000

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)											
<p>9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.</p>											
Plant Name: A S King (d)			Plant Name: Prairie Island (e)			Plant Name: Blue Lake (f)			Line No.		
Steam			Nuclear			Gas Turbine			1		
Conventional			Conventional			Ind Enclosures			2		
1968			1973			1974			3		
1968			1974			2005			4		
598.40			1186.20			559.32			5		
532			1116			369			6		
6833			8760			462			7		
511			1092			545			8		
511			1092			545			9		
511			1040			453			10		
82			673			3			11		
2913347900			8744731000			79917000			12		
1335100			969282			141878			13		
38715830			322664775			1623647			14		
657806782			1703019911			94675144			15		
3833412			-139278542			94817			16		
701691124			1887375426			96535486			17		
1172.6122			1591.1106			172.5944			18		
649242			39416155			94824			19		
66253379			73389169			4835220			20		
0			4957422			0			21		
7308288			28208500			0			22		
0			0			0			23		
0			0			0			24		
364585			2503716			151885			25		
2740640			76292057			32760			26		
998990			6761886			59775			27		
0			0			0			28		
1365480			2743204			2389			29		
1652987			419818			217669			30		
7275984			24176832			0			31		
1590651			7635084			701535			32		
2071898			20755162			174			33		
92272124			287259005			6096231			34		
0.0317			0.0328			0.0763			35		
Coal	Gas	Oil		Nuclear		Gas		Oil	36		
Tons	MCF	Barrels		Grams U-235		MCF		Barrels	37		
1646428	49877	45	0	832763	0	851485	0	2645	38		
8898	1061	137894	0	110721	0	1060	0	138002	39		
37.472	3.794	78.029	0.000	0.000	0.000	5.376	0.000	97.535	40		
40.162	3.794	78.029	0.000	0.000	0.000	5.376	0.000	97.535	41		
2.257	3.577	13.473	0.000	0.800	0.000	5.070	0.000	16.828	42		
0.000	0.020	0.000	0.000	0.010	0.000	0.000	0.060	0.000	43		
0.000	10075.100	0.000	0.000	10544.470	0.000	0.000	11488.010	0.000	44		

Name of Respondent Northern States Power Company (Minnesota)			This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission			Date of Report (Mo, Da, Yr) 04/06/2018		Year/Period of Report End of 2017/Q4	
STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)									
<p>9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.</p>									
Plant Name: <i>Inver Hills</i> (d)			Plant Name: <i>High Bridge 7, 8, 9</i> (e)			Plant Name: <i>Monticello</i> (f)		Line No.	
Gas Turbine			Combined Cycle			Nuclear		1	
Ind Enclosures			Conventional			Conventional		2	
1972			1924			1971		3	
1972			2008			1971		4	
280.50			644.06			684.97		5	
175			631			668		6	
142			4884			8052		7	
371			606			646		8	
371			606			646		9	
282			530			617		10	
7			23			525		11	
4539322			1984030000			5159590000		12	
432561			528150			783302		13	
1914621			70931072			236023851		14	
57700009			318690655			1198586556		15	
114211			19394			132475222		16	
60161402			390169271			1567868931		17	
214.4792			605.7965			2288.9600		18	
633			628383			26052591		19	
480671			55215194			40972655		20	
0			0			4207868		21	
0			0			21840019		22	
0			0			0		23	
0			0			0		24	
192187			2191229			17697		25	
48625			728299			54761239		26	
60464			529177			4956185		27	
0			0			0		28	
136			492032			2485880		29	
294898			844153			0		30	
0			0			14942183		31	
482221			955952			3960920		32	
3984			99471			10616548		33	
1563819			61683890			184813785		34	
0.3445			0.0311			0.0358		35	
Gas			Gas			Nuclear		36	
MCF			MCF			Grams U-235		37	
0	111743	465	0	13319751	0	0	486114	0	38
0	1059	139782	0	1060	0	0	111193	0	39
0.000	3.978	77.844	0.000	4.145	0.000	0.000	0.000	0.000	40
0.000	3.978	77.844	0.000	4.145	0.000	0.000	0.000	0.000	41
0.000	3.758	13.260	0.000	3.912	0.000	0.000	0.762	0.000	42
0.000	0.110	0.000	0.000	0.030	0.000	0.000	0.010	0.000	43
0.000	26655.950	0.000	0.000	7114.560	0.000	0.000	10479.490	0.000	44

Name of Respondent Northern States Power Company (Minnesota)			This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission			Date of Report (Mo, Da, Yr) 04/06/2018			Year/Period of Report End of 2017/Q4		
STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)											
<p>9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.</p>											
Plant Name: Black Dog 3 & 4 (d)			Plant Name: Key City (e)			Plant Name: (f)			Line No.		
Steam			Gas Turbine						1		
Conventional			Ind Enclosures						2		
1952			1970						3		
1960			1970						4		
0.00			0.00			0.00			5		
0			0			0			6		
0			0			0			7		
0			0			0			8		
0			0			0			9		
0			0			0			10		
0			0			0			11		
0			-5920			0			12		
0			67495			0			13		
0			1002265			0			14		
0			7597648			0			15		
0			0			0			16		
0			8667408			0			17		
0			0			0			18		
269342			0			0			19		
4083			0			0			20		
0			0			0			21		
2855055			0			0			22		
0			0			0			23		
0			0			0			24		
22801			0			0			25		
307862			59			0			26		
322936			491			0			27		
0			0			0			28		
26620			0			0			29		
630843			1639			0			30		
198764			0			0			31		
974597			6553			0			32		
953716			0			0			33		
6566619			8742			0			34		
0.0000			-1.4767			0.0000			35		
Oil									36		
Barrels									37		
0	41	0	0	0	0	0	0	0	0	0	38
0	139766	0	0	0	0	0	0	0	0	0	39
0.000	88.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	40
0.000	88.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	41
0.000	14.993	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	42
0.000	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	43
0.000	6459.460	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	44

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)

9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.

Plant Name: (d)	Plant Name: (e)	Plant Name: (f)	Line No.
			1
			2
			3
			4
0.00	0.00	0.00	5
0	0	0	6
0	0	0	7
0	0	0	8
0	0	0	9
0	0	0	10
0	0	0	11
0	0	0	12
0	0	0	13
0	0	0	14
0	0	0	15
0	0	0	16
0	0	0	17
0	0	0	18
0	0	0	19
0	0	0	20
0	0	0	21
0	0	0	22
0	0	0	23
0	0	0	24
0	0	0	25
0	0	0	26
0	0	0	27
0	0	0	28
0	0	0	29
0	0	0	30
0	0	0	31
0	0	0	32
0	0	0	33
0	0	0	34
0.0000	0.0000	0.0000	35
			36
			37
0	0	0	38
0	0	0	39
0.000	0.000	0.000	40
0.000	0.000	0.000	41
0.000	0.000	0.000	42
0.000	0.000	0.000	43
0.000	0.000	0.000	44

Name of Respondent	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/06/2018	Year/Period of Report 2017/Q4
Northern States Power Company (Minnesota)			
FOOTNOTE DATA			

Schedule Page: 403 Line No.: -1 Column: e

Instruction 12 - Prairie Island Nuclear Generating Plant (p. 403)

(a) Operating and maintenance costs of the Prairie Island Plant are expensed as incurred. NSP-Minnesota uses a deferral and amortization method for nuclear refueling operation and maintenance costs. This method amortizes refueling outage costs over the period between refueling outages consistent with how the costs are recovered ratably in electric cases.

(b) NSP-Minnesota buys and owns the fuel for this plant. The standard FERC accounting system is used to make a breakdown of the various components of fuel costs.

(c) The Prairie Island Plant has two identical Westinghouse 2 loop PWR Nuclear Power Plants. Fuel material is UO₂ contained in zirconium alloy based cladding. The equilibrium cycle has approximately 47 metric tons of uranium metal with a nominal U-235 enrichment of 4.95 weight percent in the fresh fuel. The reactor is licensed to operate at 1677 MWt.

Schedule Page: 402.1 Line No.: -1 Column: b

Sherburne County Generating Plant Unit 3 is jointly owned by NSP-Minnesota (59 percent) and Southern Minnesota Municipal Power Agency (41 percent). See Note 4 of the Financial Statements on Page 123 for disclosures regarding Sherco Unit 3.

Schedule Page: 403.1 Line No.: -1 Column: f

Instruction 12 - Monticello Nuclear Generating Plant (p. 403.1)

(a) Operating and maintenance costs of the Monticello Plant are expensed as incurred. NSP-Minnesota uses a deferral and amortization method for nuclear refueling operation and maintenance costs. This method amortizes refueling outage costs over the period between refueling outages consistent with how the costs are recovered ratably in electric cases.

(b) NSP-Minnesota buys and owns the fuel for this plant. The standard FERC accounting system is used to make a breakdown of the various components of fuel costs.

(c) The Monticello Plant is a General Electric BWR-3 Nuclear Power Plant. Fuel material is UO₂ contained in zirconium alloy based cladding. The equilibrium cycle has approximately 84 metric tons of uranium metal with a nominal U-235 enrichment of 3.8 weight percent in the fresh fuel. The reactor is licensed to operate at 2,004 MWt.

Schedule Page: 402 Line No.: 39 Column: e2

Average heat content of fuel burned is MBTU/kg U235.

Schedule Page: 402.1 Line No.: 39 Column: b1

The "Average Heat Content of Fuel Burned" is calculated as:

Coal: Btu/pound
Oil: Btu/ gallons
Gas: Btu/cubic ft

Schedule Page: 402.1 Line No.: 39 Column: f2

Average heat content of fuel burned is in KBTU/gm U235.

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)							
1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a term basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.							
Line No.	Item (a)	Plant Name: <i>Riverside</i> (b)	Plant Name: <i>Wilmarth</i> (c)				
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)	Combined Cycle	Steam				
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	Conventional	Conventional				
3	Year Originally Constructed	1911	1948				
4	Year Last Unit was Installed	2009	1951				
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	585.90	25.00				
6	Net Peak Demand on Plant - MW (60 minutes)	512	19				
7	Plant Hours Connected to Load	6329	7967				
8	Net Continuous Plant Capability (Megawatts)	500	18				
9	When Not Limited by Condenser Water	500	18				
10	When Limited by Condenser Water	454	18				
11	Average Number of Employees	19	27				
12	Net Generation, Exclusive of Plant Use - KWh	2633272160	100305883				
13	Cost of Plant: Land and Land Rights	450133	499773				
14	Structures and Improvements	52424815	11107836				
15	Equipment Costs	256355881	50341397				
16	Asset Retirement Costs	860791	785153				
17	Total Cost	310091620	62734159				
18	Cost per KW of Installed Capacity (line 17/5) Including	529.2569	2509.3664				
19	Production Expenses: Oper, Supv, & Engr	612820	411796				
20	Fuel	75130301	571435				
21	Coolants and Water (Nuclear Plants Only)	0	0				
22	Steam Expenses	152001	2113369				
23	Steam From Other Sources	0	0				
24	Steam Transferred (Cr)	0	0				
25	Electric Expenses	1960679	29212				
26	Misc Steam (or Nuclear) Power Expenses	983460	666145				
27	Rents	683106	332668				
28	Allowances	0	0				
29	Maintenance Supervision and Engineering	573428	57629				
30	Maintenance of Structures	1144402	249968				
31	Maintenance of Boiler (or reactor) Plant	0	1681468				
32	Maintenance of Electric Plant	3218028	202599				
33	Maintenance of Misc Steam (or Nuclear) Plant	285983	616733				
34	Total Production Expenses	84744208	6933022				
35	Expenses per Net KWh	0.0322	0.0691				
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Gas	Oil	RDF	Gas		
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	MCF	Barrels	Tons	MCF		
38	Quantity (Units) of Fuel Burned	0	17473748	8	168042	48645	
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	0	1081	137757	5689	1068	
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	0.000	4.301	2141.437	2.138	4.092	
41	Average Cost of Fuel per Unit Burned	0.000	4.301	2141.437	13.664	4.092	
42	Average Cost of Fuel Burned per Million BTU	0.000	3.979	379.567	1.201	3.831	
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.029	0.000	0.000	0.010	
44	Average BTU per KWh Net Generation	0.000	7172.020	0.000	0.000	10637.480	

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a term basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: <i>Sherburne County</i> (b)	Plant Name: <i>Granite City</i> (c)
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)	Steam	Gas Turbine
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	Conventional	Ind Enclosures
3	Year Originally Constructed	1976	1969
4	Year Last Unit was Installed	1987	1969
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	2469.32	72.00
6	Net Peak Demand on Plant - MW (60 minutes)	1890	12
7	Plant Hours Connected to Load	8760	8
8	Net Continuous Plant Capability (Megawatts)	1879	64
9	When Not Limited by Condenser Water	1879	64
10	When Limited by Condenser Water	1879	52
11	Average Number of Employees	215	0
12	Net Generation, Exclusive of Plant Use - KWh	10325500371	-536000
13	Cost of Plant: Land and Land Rights	5951721	40240
14	Structures and Improvements	228475576	1241718
15	Equipment Costs	1244000049	7528833
16	Asset Retirement Costs	-3949845	63539
17	Total Cost	1474477501	8874330
18	Cost per KW of Installed Capacity (line 17/5) Including	597.1188	123.2546
19	Production Expenses: Oper, Supv, & Engr	2085521	-65
20	Fuel	257369385	25557
21	Coolants and Water (Nuclear Plants Only)	0	0
22	Steam Expenses	13904113	0
23	Steam From Other Sources	0	0
24	Steam Transferred (Cr)	0	0
25	Electric Expenses	3513955	625
26	Misc Steam (or Nuclear) Power Expenses	11228430	678881
27	Rents	2259665	2490
28	Allowances	0	0
29	Maintenance Supervision and Engineering	1612649	-13
30	Maintenance of Structures	2285508	40202
31	Maintenance of Boiler (or reactor) Plant	15976825	0
32	Maintenance of Electric Plant	4074048	22783
33	Maintenance of Misc Steam (or Nuclear) Plant	7582575	-1
34	Total Production Expenses	321892674	770459
35	Expenses per Net KWh	0.0312	-1.4374
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels
38	Quantity (Units) of Fuel Burned	6159611	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	8824	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	38.534	0.000
41	Average Cost of Fuel per Unit Burned	41.045	0.000
42	Average Cost of Fuel Burned per Million BTU	2.326	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.000
44	Average BTU per KWh Net Generation	0.000	10546.110

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)							
1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a term basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.							
Line No.	Item (a)	Plant Name: <i>Angus Anson</i> (b)		Plant Name: <i>Black Dog 2, 5, & 6</i> (c)			
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear	Gas Turbines		CC / Gas Turb			
2	Type of Constr (Conventional, Outdoor, Boiler, etc)			Conventional			
3	Year Originally Constructed	1994		1987			
4	Year Last Unit was Installed	2005		2018			
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	405.66		554.29			
6	Net Peak Demand on Plant - MW (60 minutes)	340		509			
7	Plant Hours Connected to Load	1402		3803			
8	Net Continuous Plant Capability (Megawatts)	386		526			
9	When Not Limited by Condenser Water	386		526			
10	When Limited by Condenser Water	327		494			
11	Average Number of Employees	8		26			
12	Net Generation, Exclusive of Plant Use - KWh	120297405		984969144			
13	Cost of Plant: Land and Land Rights	1155577		952692			
14	Structures and Improvements	7721804		55181473			
15	Equipment Costs	115407464		291033543			
16	Asset Retirement Costs	652565		48341			
17	Total Cost	124937410		347216049			
18	Cost per KW of Installed Capacity (line 17/5) Including	307.9855		626.4159			
19	Production Expenses: Oper, Supv, & Engr	81597		366260			
20	Fuel	4786448		27083450			
21	Coolants and Water (Nuclear Plants Only)	0		0			
22	Steam Expenses	0		217810			
23	Steam From Other Sources	0		0			
24	Steam Transferred (Cr)	0		0			
25	Electric Expenses	6442		1947997			
26	Misc Steam (or Nuclear) Power Expenses	545849		444462			
27	Rents	33535		495440			
28	Allowances	0		0			
29	Maintenance Supervision and Engineering	2972		413584			
30	Maintenance of Structures	148364		1938448			
31	Maintenance of Boiler (or reactor) Plant	0		154325			
32	Maintenance of Electric Plant	472808		876501			
33	Maintenance of Misc Steam (or Nuclear) Plant	296		604478			
34	Total Production Expenses	6078311		34542755			
35	Expenses per Net KWh	0.0505		0.0351			
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Gas		Oil		Gas	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	MCF		Barrels		MCF	
38	Quantity (Units) of Fuel Burned	1325454	0	2553	0	7192690	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	1071	0	137809	0	1073	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	3.476	0.000	70.358	0.000	3.765	0.000
41	Average Cost of Fuel per Unit Burned	3.476	0.000	70.358	0.000	3.765	0.000
42	Average Cost of Fuel Burned per Million BTU	3.244	0.000	12.156	0.000	3.509	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.040	0.000	0.000	0.030	0.000
44	Average BTU per KWh Net Generation	0.000	11928.090	0.000	0.000	7870.320	0.000

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a term basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: (b)	Plant Name: (c)
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear)		
2	Type of Constr (Conventional, Outdoor, Boiler, etc)		
3	Year Originally Constructed		
4	Year Last Unit was Installed		
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	0.00	0.00
6	Net Peak Demand on Plant - MW (60 minutes)	0	0
7	Plant Hours Connected to Load	0	0
8	Net Continuous Plant Capability (Megawatts)	0	0
9	When Not Limited by Condenser Water	0	0
10	When Limited by Condenser Water	0	0
11	Average Number of Employees	0	0
12	Net Generation, Exclusive of Plant Use - KWh	0	0
13	Cost of Plant: Land and Land Rights	0	0
14	Structures and Improvements	0	0
15	Equipment Costs	0	0
16	Asset Retirement Costs	0	0
17	Total Cost	0	0
18	Cost per KW of Installed Capacity (line 17/5) Including	0	0
19	Production Expenses: Oper, Supv, & Engr	0	0
20	Fuel	0	0
21	Coolants and Water (Nuclear Plants Only)	0	0
22	Steam Expenses	0	0
23	Steam From Other Sources	0	0
24	Steam Transferred (Cr)	0	0
25	Electric Expenses	0	0
26	Misc Steam (or Nuclear) Power Expenses	0	0
27	Rents	0	0
28	Allowances	0	0
29	Maintenance Supervision and Engineering	0	0
30	Maintenance of Structures	0	0
31	Maintenance of Boiler (or reactor) Plant	0	0
32	Maintenance of Electric Plant	0	0
33	Maintenance of Misc Steam (or Nuclear) Plant	0	0
34	Total Production Expenses	0	0
35	Expenses per Net KWh	0.0000	0.0000
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)		
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)		
38	Quantity (Units) of Fuel Burned	0	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	0	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	0.000	0.000
41	Average Cost of Fuel per Unit Burned	0.000	0.000
42	Average Cost of Fuel Burned per Million BTU	0.000	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.000	0.000
44	Average BTU per KWh Net Generation	0.000	0.000

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)											
<p>9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.</p>											
Plant Name: A S King (d)			Plant Name: Prairie Island (e)			Plant Name: Blue Lake (f)			Line No.		
Steam			Nuclear			Gas Turbine			1		
Conventional			Conventional			Ind Enclosures			2		
1968			1973			1974			3		
1968			1974			2005			4		
598.40			1186.20			559.32			5		
531			1122			361			6		
6188			8760			588			7		
511			1092			545			8		
511			1092			545			9		
511			1040			453			10		
82			559			5			11		
2698695700			8983305000			105029000			12		
1335100			969281			141878			13		
39916358			324061645			1712629			14		
672545674			1889444784			94949685			15		
3706538			-139278542			87368			16		
717503670			2075197168			96891560			17		
1199.0369			1749.4496			173.2310			18		
647797			34709322			103485			19		
64032271			75699013			5298805			20		
0			5066176			0			21		
7272664			27829577			0			22		
0			0			0			23		
0			0			0			24		
117992			2748220			172519			25		
3098424			71520409			186791			26		
1360874			7715923			80039			27		
0			0			0			28		
1772783			2845177			25779			29		
1824737			142945			148655			30		
7186352			22656613			0			31		
5269129			6282469			551071			32		
2046356			20593532			24736			33		
94629379			277809376			6591880			34		
0.0351			0.0309			0.0628			35		
Coal	Gas	Oil		Nuclear		Gas		Oil			36
Tons	MCF	Barrels		Grams U-235		MCF		Barrels			37
1504831	53400	44	0	849683	0	1049313	0	2709			38
8959	1077	138378	0	111007	0	1077	0	138927			39
39.046	4.165	134.279	0.000	0.000	0.000	4.830	0.000	84.965			40
42.456	4.165	134.279	0.000	0.000	0.000	4.830	0.000	84.965			41
2.369	3.869	23.104	0.000	0.808	0.000	4.484	0.000	14.561			42
0.000	0.020	0.000	0.000	0.010	0.000	0.000	0.050	0.000			43
0.000	10012.750	0.000	0.000	10487.310	0.000	0.000	10912.760	0.000			44

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)									
<p>9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.</p>									
Plant Name: <i>Inver Hills</i> (d)			Plant Name: <i>High Bridge 7, 8, 9</i> (e)			Plant Name: <i>Monticello</i> (f)		Line No.	
Gas Turbine			Combined Cycle			Nuclear		1	
Ind Enclosures			Conventional			Conventional		2	
1972			1924			1971		3	
1972			2008			1971		4	
280.50			644.06			684.97		5	
272			624			687		6	
321			5236			8691		7	
371			606			646		8	
371			606			646		9	
282			530			617		10	
7			23			433		11	
14143295			2333082000			5618024000		12	
351801			528150			783302		13	
1616403			70958498			245679843		14	
55915679			324970870			1255130236		15	
23827			17870			132475222		16	
57907710			396475388			1634068603		17	
206.4446			615.5877			2385.6061		18	
54845			459975			23488610		19	
1485498			63113134			46189505		20	
0			0			3819542		21	
0			0			21799672		22	
0			0			0		23	
0			0			0		24	
276963			2149314			76051		25	
59707			807458			56968199		26	
73287			581045			5373782		27	
0			0			0		28	
349			767107			2199775		29	
328895			1576532			0		30	
0			0			18086976		31	
620086			6864169			3504920		32	
4950			131988			11450023		33	
2904580			76450722			192957055		34	
0.2054			0.0328			0.0343		35	
	Gas	Oil		Gas			Nuclear		36
	MCF	Barrels		MCF			Grams U-235		37
0	247424	3809	0	16834839	0	0	474307	0	38
0	1082	139995	0	951	0	0	124409	0	39
0.000	4.134	121.488	0.000	3.749	0.000	0.000	0.000	0.000	40
0.000	4.134	121.488	0.000	3.749	0.000	0.000	0.000	0.000	41
0.000	3.822	20.662	0.000	3.944	0.000	0.000	0.787	0.000	42
0.000	0.110	0.000	0.000	0.030	0.000	0.000	0.010	0.000	43
0.000	20504.090	0.000	0.000	6863.280	0.000	0.000	10504.580	0.000	44

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)									
<p>9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.</p>									
Plant Name: Black Dog 3 & 4 (d)			Plant Name: Key City (e)			Plant Name: Benson (f)		Line No.	
Steam			Gas Turbine			Steam		1	
Conventional			Ind Enclosures			Conventional		2	
1952			1970			2007		3	
1960			1970			2007		4	
0.00			0.00			0.00		5	
0			0			0		6	
0			0			0		7	
0			0			0		8	
0			0			0		9	
0			0			0		10	
0			0			0		11	
0			0			0		12	
0			67495			0		13	
0			1002265			0		14	
0			7597648			0		15	
0			0			0		16	
0			8667408			0		17	
0			0			0		18	
0			0			0		19	
293			0			0		20	
0			0			0		21	
0			0			0		22	
0			0			0		23	
0			0			0		24	
4148			25			0		25	
0			0			0		26	
1773			768			0		27	
0			0			0		28	
736			0			0		29	
0			1845			0		30	
707			0			0		31	
5960			7185			0		32	
4076			0			0		33	
17693			9823			0		34	
0.0000			0.0000			0.0000		35	
						RDF		Wood	
						Tons		Tons	
0			0			6471		13799	
0			0			5633		6009	
0.000			0.000			51.784		66.145	
0.000			0.000			103.568		132.291	
0.000			0.000			4.596		5.504	
0.000			0.000			0.000		0.080	
0.000			0.000			0.000		16122.240	

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)

9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.

Plant Name: (d)	Plant Name: (e)	Plant Name: (f)	Line No.
			1
			2
			3
			4
0.00	0.00	0.00	5
0	0	0	6
0	0	0	7
0	0	0	8
0	0	0	9
0	0	0	10
0	0	0	11
0	0	0	12
0	0	0	13
0	0	0	14
0	0	0	15
0	0	0	16
0	0	0	17
0	0	0	18
0	0	0	19
0	0	0	20
0	0	0	21
0	0	0	22
0	0	0	23
0	0	0	24
0	0	0	25
0	0	0	26
0	0	0	27
0	0	0	28
0	0	0	29
0	0	0	30
0	0	0	31
0	0	0	32
0	0	0	33
0	0	0	34
0.0000	0.0000	0.0000	35
			36
			37
0	0	0	38
0	0	0	39
0.000	0.000	0.000	40
0.000	0.000	0.000	41
0.000	0.000	0.000	42
0.000	0.000	0.000	43
0.000	0.000	0.000	44

Name of Respondent	This Report is: (1) <u> </u> An Original (2) <u> </u> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report
Northern States Power Company (Minnesota)			2018/Q4
FOOTNOTE DATA			

Schedule Page: 403 Line No.: -1 Column: e

Instruction 12 - Prairie Island Nuclear Generating Plant (p. 403)

(a) Operating and maintenance costs of the Prairie Island Plant are expensed as incurred. NSP-Minnesota uses a deferral and amortization method for nuclear refueling operation and maintenance costs. This method amortizes refueling outage costs over the period between refueling outages consistent with how the costs are recovered ratably in electric cases.

(b) NSP-Minnesota buys and owns the fuel for this plant. The standard FERC accounting system is used to make a breakdown of the various components of fuel costs.

(c) The Prairie Island Plant has two identical Westinghouse 2 loop PWR Nuclear Power Plants. Fuel material is UO2 contained in zirconium alloy based cladding. The equilibrium cycle has approximately 47 metric tons of uranium metal with a nominal U-235 enrichment of 4.95 weight percent in the fresh fuel. The reactor is licensed to operate at 1677 MWt.

Schedule Page: 402.1 Line No.: -1 Column: b

Sherburne County Generating Plant Unit 3 is jointly owned by NSP-Minnesota (59 percent) and Southern Minnesota Municipal Power Agency (41 percent). See Note 4 of the Financial Statements on Page 123 for disclosures regarding Sherco Unit 3.

Schedule Page: 403.1 Line No.: -1 Column: f

Instruction 12 - Monticello Nuclear Generating Plant (p. 403.1)

(a) Operating and maintenance costs of the Monticello Plant are expensed as incurred. NSP-Minnesota uses a deferral and amortization method for nuclear refueling operation and maintenance costs. This method amortizes refueling outage costs over the period between refueling outages consistent with how the costs are recovered ratably in electric cases.

(b) NSP-Minnesota buys and owns the fuel for this plant. The standard FERC accounting system is used to make a breakdown of the various components of fuel costs.

(c) The Monticello Plant is a General Electric BWR-3 Nuclear Power Plant. Fuel material is UO2 contained in zirconium alloy based cladding. The equilibrium cycle has approximately 84 metric tons of uranium metal with a nominal U-235 enrichment of 3.8 weight percent in the fresh fuel. The reactor is licensed to operate at 2,004 MWt.

Schedule Page: 403.2 Line No.: -1 Column: f

On June 29, 2018 NSP-Minnesota acquired the Benson Power Facility. For additional information, see page 108 item 3.

Schedule Page: 402.2 Line No.: 1 Column: c

Black Dog Unit 2 & 5 are combined cycle plants. Black Dog Unit 6 is a gas turbine.

Schedule Page: 402 Line No.: 39 Column: e2

Average heat content of fuel burned is MBTU/kg U235.

Schedule Page: 402.1 Line No.: 39 Column: b1

The "Average Heat Content of Fuel Burned" is calculated as:

Coal: Btu/pound
Oil: Btu/ gallons
Gas: Btu/cubic ft

Schedule Page: 402.1 Line No.: 39 Column: f2

Average heat content of fuel burned is in MBTU/kg U235.

