



November 4, 2019

VIA E-FILING

Daniel P. Wolf
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101-2147

Re: In the Matter of the Petition of Minnesota Power for Approval of a New Base Cost of Fuel and Purchase Energy
Docket Nos. E015/GR-19-442 and E015/MR-19-443

Dear Mr. Wolf:

Minnesota Power (or the “Company”) submits this letter to the Minnesota Public Utilities Commission (“Commission”) in Docket Nos. E015/GR-19-442 and E015/MR-19-443.

At the October 17, 2019, hearing the Commission approved the following decision alternatives in Docket No. E999/CI-03-802 which impacts Minnesota Power’s 2020 General Rate Case¹ and the 2020 FCA Forecast:²

1. Approve Minnesota Power’s proposed changes related to base cost of energy, and
3. Require Minnesota Power to demonstrate in its upcoming initial rate case filing that its proposed base rates do not include any amount of FCA costs.

Minnesota Power proposed the following changes regarding the Base Cost of Energy in Docket No. E999/CI-03-802.³

1. Zero out the energy costs included in the base cost of energy in the Company’s next general rate case and include all energy cost calculations in the FCA.
2. Show the Fuel and Purchase Energy Adjustment (“FPE Rider”) as a separate line on customer bills labeled “Fuel and Purchased Energy Charge” (“FPE Charge”) effective with final rates.
3. Forego filing a Base Cost of Energy filing in future general rate cases.

¹ Docket Nos. E015/GR-19-442 and E015/MR-19-443.

² Docket No. E015/AA-19-302.

³ Compliance filing submitted on July 23, 2019 and subsequent clarification letter submitted on August 23, 2019

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Based on the decision alternatives approved by the Commission on October 17, 2019, Minnesota Power included zero base cost of energy in base rates in its November 1, 2019, General Rate Case Docket No. E015/GR-19-442.

The following attachments are included to demonstrate that the proposed base rates do not include any amount of Fuel Clause Adjustment (FCA) costs.

Attachment 1 includes Exhibit ____ (Podratz), Direct Schedule 8, Test Year Cost of Fuel and Purchased Energy Excluded from Base Rates.

Attachment 2 includes the 2020 Forecast of Automatic Adjustment Charges for the period January 2020 through December 2020 with zero base cost of fuel.

Additional information can also be found in Podratz Direct Testimony⁴ starting on Page 54 Line 4 through Page 57 Line 2 regarding the Fuel and Purchased Energy Rider.

Please contact me at (218) 355-3455 or hcreurer@allete.com if you have any questions regarding this compliance filing.

Yours truly,



Hillary A. Creurer
Regulatory Compliance Administrator

HAC:sr
Attach.

⁴ Docket No. E015/GR-19-442.

Attachment 1

Exhibit ____ (Podratz), Direct Schedule 8, Test Year Cost of Fuel and Purchased Energy Excluded from Base Rates

Fuel and Purchased Energy Cost

Base Cost of Fuel and Purchased Energy

Removed from 2020 Test Year Interim Base Energy Rates

Line No.	Designation	Class Cost Factor	[l] Base Cost of Energy \$/kWh	Base Cost of Energy ¢/kWh	Class Billing Units MWh	[o] Base Cost of Fuel Revenues Removed from Energy Rates
1		E8760	0.02121 [n]	2.12100		
2	Residential	1.01406	0.02151	2.15082 [a]	948,850	\$20,408,060 [g]
3	General Service	1.03518	0.02196	2.19562 [b]	679,531	\$14,919,906 [h]
4	Large Light and Power	1.00982	0.02142	2.14183 [c]	1,324,161	\$28,361,254 [i]
5	Large Power	0.99024	0.02100	2.10030 [d]	5,288,437	\$111,072,992 [j]
6	Municipal Pumping	1.01571	0.02154	2.15432 [e]	-	\$0
7	Residential Dual Fuel	1.01406	0.02151	2.15082 [a]	97,889	\$2,105,417 [k]
8	Commercial Dual Fuel	1.03518	0.02196	2.19562 [b]	27,733	\$608,910 [l]
9	Lighting	0.82572	0.01751	1.75135 [f]	20,418	\$357,591 [m]
	Total Amount Zero Out from Energy Costs				<u>8,387,019</u>	<u>\$177,834,131</u>

See Volume 1, Redline Interim Tariff Sheets. For each service, the base cost of energy is subtracted from the energy rate

[a] Sec V Pg 01 Rev 41-42 (IR) Resid. Serv Redline

[a] Sec V Pg 05 Rev 19-20 (IR) Resid. DF Interruptible Redline

[a] Sec V Pg 07 Rev 15-16 (IR) Resid. Controlled Access Redline

[a] Sec V Pg 08 Rev 05-06 (IR) Electric Vehicle Redline

[b] Sec V Pg 10 Rev 37-38 (IR) General Service Redline

[b] Sec V Pg 16 Rev 22-23 (IR) Commerl-Indust. DF Interrupt Redline

[b] Sec V Pg 17 Rev 15-16 (IR) Commerl-Indust. Controlled Access Redline

[c] Sec V Pg 22 Rev 37-38 (IR) Large Light and Pwr Redline

[c] Sec V Pg 90 Rev 02-03 (IR) Pilot Rider-Large Light Power ToU Serv Redline

[d] Sec V Pg 24 Rev 41-42 (IR) Large Power Serv Redline

[d] Sec V Pg 25 Rev 18-19 (IR) Non Contract LP Serv Redline

[e] Sec V Pg 40 Rev 37-38 (IR) Municipal Pumping Redline

[f] Sec V Pg 37 Rev 14-15 (IR) Outdoor Area Lighting Serv Redline

[f] Sec V Pg 46 Rev 17-18 (IR) Street-Highway Lighting Serv Redline

[g] See Volume 4 Workpapers IR-1, (page 5, line 6) + (page 6, line 3) + (page 7, line 3) + (page 8, line 4)

[h] See Volume 4 Workpapers IR-1, (page 11, line 9) + (page 12, line 3)

[i] See Volume 4 Workpapers IR-1, (page 15, line 9) + (page 16, line 8)

[j] See Volume 4 Workpapers IR-1, Sum of Base Cost of Fuel totals from pages 31, 34, 36, 38, 40, 42, 44, 46

[k] See Volume 4 Workpapers IR-1, (page 17, line 3)

[l] See Volume 4 Workpapers IR-1, (page 18, line 4)

[m] See Volume 4 Workpapers IR-1, (page 21, line 13) + (page 22, line 28) + (page 23, line 17) + (page 24, line 23)

[n] See Docket No.E015/GR-16-664, Supplemental Direct, Supplemental Direct Schedule 6, page 1 of 1

[o] See Volume 4 Workpapers IR-1, Page 2. Note General Service total MWh differs by 776 MWh due to Solar Gardens.

Fuel and Purchased Energy Cost
Base Cost of Fuel and Purchased Energy
Removed from 2020 Test Year General Base Energy Rates

Line No.	Designation	Base Cost of Fuel Revenue Removed from Interim Energy Rates	Remaining Base Rate Revenue that Interim Increase Applies to	IR-1 Operating Revenue Prior to Interim Increase	Proposed Increase Direct Schedule E-1	General Rates Direct Schedule E-1	Less Schedule E-1 Total Fuel Adjustment	Schedule E-1 Base Rate Revenue excluding all Fuel costs
		[a]	[b]	[c]	[d]	[e]	[f]	[g]
1								
2	Residential	\$20,408,060 +	\$82,617,570 =	\$103,025,631 +	\$15,453,878 =	\$118,479,508 -	\$23,755,629 =	\$94,723,879
3	General Service	\$14,919,906 +	\$57,596,647 =	\$72,516,553 +	\$7,504,423 =	\$80,020,976 -	\$17,108,576 =	\$62,912,400
4	Large Light and Power	\$28,361,254 +	\$78,736,637 =	\$107,097,891 +	\$11,083,286 =	\$118,181,177 -	\$32,651,406 =	\$85,529,770
5	Large Power	\$111,072,992 +	\$214,465,427 =	\$325,538,419 +	\$33,689,008 =	\$359,227,426 -	\$127,890,335 =	\$231,337,092
6	Municipal Pumping	\$0 +	\$0 =	\$0 +	\$0 =	\$0 -	\$0 =	\$0
7	Residential Dual Fuel	\$2,105,417 +	\$6,095,843 =	\$8,201,260 +	(\$1,875,748) =	\$6,325,512 -	\$2,305,622 =	\$4,019,891
8	Commercial Dual Fuel	\$608,910 +	\$1,605,190 =	\$2,214,100 +	(\$481,315) =	\$1,732,786 -	\$685,084 =	\$1,047,702
9	Lighting	\$357,591 +	\$3,151,721 =	\$3,509,312 +	\$526,392 =	\$4,035,704 -	\$445,793 =	\$3,589,911
		\$177,834,131	\$444,269,035	\$622,103,166	\$65,899,923	\$688,003,089	\$204,842,445	\$483,160,644

[a] Base Cost of Fuel total revenue from Podratz Direct Schedule 8 Page 1 of 2.

[b] Base rate revenue excluding Base Cost of fuel. Ties to Volume 4, Workpaper IR-1 Operating Revenues - Interim Column references below
 See Volume 4 Workpapers IR-1, (page 5, lines 1, 2, 3, 4, 5, 8, 14) + (page 6, lines 1, 2, 5, 10) + (page 7, lines 1, 2, 5, 10) + (page 8, lines 1, 2, 3, 6, 11)
 Residential
 General Service See Volume 4 Workpapers IR-1, (page 11, lines 1 through 8, 11, 16) + (page 12, lines 1, 2, 5, 10)
 Large Light and Power See Volume 4 Workpapers IR-1, (page 15, lines 1 through 8, 11, 12, 13, 18) + (page 16, lines 1 through 7, 10, 15) + total Base Cost of Fuel on pages 110, 111, 112
 See Volume 4 Workpapers IR-1, Page 26, (sum of Firm Service, Interruptible Service, and Riders/CPA in Base, less Base Cost of Fuel pages 31, 34, 36, 38, 40, 42, 44, 46)
 Large Power
 Residential Dual Fuel See Volume 4 Workpapers IR-1, (page 17, lines 1, 2, 5, 11)
 Commercial Dual Fuel See Volume 4 Workpapers IR-1, (page 18, lines 1, 2, 3, 6, 11)
 Lighting See Volume 4 Workpapers IR-1, (page 21, lines 1 through 12, 16, 20) + (page 22, lines 1 through 27, 30, 35) + (page 23, lines 1 through 16, 20, 26) + (page 24, lines 1 through 22, 26, 31)

[c] Note: Operating Revenue total is equal to Present Operating Revenue, starting point on Direct Schedule E-1, page 2. The proposed increase is added to equal General Revenue. This is also equal to Direct Schedule E-1 Present Operating Revenue
 Present rate revenue prior to 7.44% interim increase.

Residential See Volume 4 Workpapers IR-1, page 2, line 1.
 General Service See Volume 4 Workpapers IR-1, page 2, line 2.
 Large Light and Power See Volume 4 Workpapers IR-1, page 2, line 3.
 Large Power See Volume 4 Workpapers IR-1, page 2, line 4.
 Residential Dual Fuel See Volume 4 Workpapers IR-1, page 2, line 12.
 Commercial Dual Fuel See Volume 4 Workpapers IR-1, page 2, line 9.
 Lighting See Volume 4 Workpapers IR-1, page 2, line 6.

[d] Proposed Increase. Ties to Direct Schedule E-1, (\$) Increase column.
 Residential See Volume 3 Direct Schedule E-1, page 2, line 1.
 General Service See Volume 3 Direct Schedule E-1, page 2, line 2.
 Large Light and Power See Volume 3 Direct Schedule E-1, page 2, line 3.
 Large Power See Volume 3 Direct Schedule E-1, page 2, line 4.
 Residential Dual Fuel See Volume 3 Direct Schedule E-1, page 2, line 8.
 Commercial Dual Fuel See Volume 3 Direct Schedule E-1, page 2, line 9.
 Lighting See Volume 3 Direct Schedule E-1, page 2, line 6.

[e] General rate revenue Ties to E-1, General column.
 Residential See Volume 3 Direct Schedule E-1, page 2, line 1.
 General Service See Volume 3 Direct Schedule E-1, page 2, line 2.
 Large Light and Power See Volume 3 Direct Schedule E-1, page 2, line 3.
 Large Power See Volume 3 Direct Schedule E-1, page 2, line 4.
 Residential Dual Fuel See Volume 3 Direct Schedule E-1, page 2, line 8.
 Commercial Dual Fuel See Volume 3 Direct Schedule E-1, page 2, line 9.
 Lighting See Volume 3 Direct Schedule E-1, page 2, line 6.

[f] Total fuel adjustment including Base Cost of Fuel.
 Residential See Volume 3 Direct Schedule E-1, (page 5, line 9) + (page 6, line 5) + (page 7, line 7) + (page 8, line 6)
 General Service See Volume 3 Direct Schedule E-1, (page 11, line 11) + (page 12, line 7)
 Large Light and Power See Volume 3 Direct Schedule E-1, (page 15, line 13) + (page 16, line 10 9)
 Large Power See Volume 3 Direct Schedule E-1, Sum of General Rate Firm FAC totals from pages 31, 34, 36, 38, 40, 42, 44, 46
 Residential Dual Fuel See Volume 3 Direct Schedule E-1, (page 17, line 95)
 Commercial Dual Fuel See Volume 3 Direct Schedule E-1, (page 18, line 8)
 Lighting See Volume 3 Direct Schedule E-1, (page 21, line 16) + (page 22, line 30) + (page 23, line 20) + (page 24, line 26)

[g] All fuel costs including Base Cost of Fuel have been removed from this column. Ties to Total Base Revenue for General Rates.
 Residential See Volume 3 Direct Schedule E-1, (page 5, line 8) + (page 6, line 4) + (page 7, line 6) + (page 8, line 5)
 General Service See Volume 3 Direct Schedule E-1, (page 11, line 10) + (page 12, line 6)
 Large Light and Power See Volume 3 Direct Schedule E-1, (page 15, lines 10, 11, 12) + (page 16, line 9)
 Large Power See Volume 3 Direct Schedule E-1, Sum of General Rate Firm Energy totals less Sum of Firm FAC totals from pages 31, 34, 36, 38, 40, 42, 44, 46
 Residential Dual Fuel See Volume 3 Direct Schedule E-1, (page 17, line 8)
 Commercial Dual Fuel See Volume 3 Direct Schedule E-1, (page 18, line 7)
 Lighting See Volume 3 Direct Schedule E-1, (page 21, line 14) + (page 22, line 29) + (page 23, line 18) + (page 24, line 24)

Attachment 2

2020 Forecast of Automatic Adjustment Charges for the period January 2020 through December 2020

Summary - Forecasted Automatic Adjustment Charges:

Ref. No.	Revenue/Accounting Month Cost of Fuel	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Total 2020
1	Company's Generating Stations	\$10,437,192	\$10,039,440	\$9,662,466	\$4,345,056	\$4,750,470	\$8,542,479	\$10,765,379	\$10,374,569	\$8,126,459	\$7,229,819	\$9,157,624	\$9,817,975	\$103,248,928
	Thermal	\$10,437,192	\$10,039,440	\$9,662,466	\$4,345,056	\$4,750,470	\$8,542,479	\$10,765,379	\$10,374,569	\$8,126,459	\$7,229,819	\$9,157,624	\$9,817,975	\$103,248,928
	Wind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Hydro	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Plus: Purchased Energy	\$15,928,466	\$13,763,069	\$14,955,663	\$17,581,839	\$16,248,429	\$15,586,253	\$16,847,699	\$16,985,352	\$15,921,527	\$18,631,546	\$17,566,053	\$18,841,898	\$198,857,794
	Market	\$11,456,567	\$10,228,630	\$10,679,092	\$13,433,528	\$11,973,132	\$12,080,252	\$12,911,534	\$13,008,536	\$12,273,884	\$12,382,074	\$11,395,042	\$12,653,129	\$144,475,402
	Wind	\$1,287,894	\$944,985	\$1,096,665	\$1,058,856	\$1,091,291	\$822,466	\$752,160	\$792,811	\$964,138	\$3,016,628	\$3,045,432	\$2,984,854	\$17,858,180
	Solar	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$48,838	\$32,025	\$20,829	\$101,692
	Square Butte	\$3,184,005	\$2,589,455	\$3,179,905	\$3,089,455	\$3,184,005	\$2,683,535	\$3,184,005	\$3,184,005	\$2,683,505	\$3,184,005	\$3,093,555	\$3,183,085	\$36,422,520
3	Plus: MISO Charges 1/	\$1,317,727	\$691,763	\$787,979	\$516,469	\$346,051	\$1,043,228	\$1,398,363	\$1,364,563	\$978,137	\$939,552	\$1,239,695	\$1,530,794	\$12,154,321
4	Plus: MISO Schedules 16 & 17 & 24 1/	(\$26,382)	(\$25,516)	(\$26,360)	(\$24,497)	(\$33,822)	(\$29,640)	(\$29,003)	(\$30,585)	(\$31,345)	(\$23,132)	(\$24,619)	(\$28,798)	(\$333,698)
	Schedule 16	(\$108,694)	(\$108,290)	(\$109,362)	(\$107,237)	(\$116,088)	(\$112,864)	(\$111,471)	(\$113,330)	(\$113,578)	(\$106,140)	(\$107,331)	(\$110,617)	(\$1,325,001)
	Schedule 17	(\$17,688)	(\$17,226)	(\$16,998)	(\$17,260)	(\$17,734)	(\$16,775)	(\$17,532)	(\$17,255)	(\$17,768)	(\$16,991)	(\$17,288)	(\$18,181)	(\$208,697)
	Schedule 24	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$1,200,000
5	Less: Fuel Cost Recovered Through Inter-System Sales	\$6,719,451	\$6,043,496	\$6,456,897	\$6,313,673	\$5,037,719	\$5,271,080	\$6,134,521	\$5,723,186	\$5,090,522	\$6,681,341	\$6,677,647	\$6,352,520	\$72,502,053
	Customer Inter-System Sales	\$2,133,405	\$2,027,029	\$1,893,392	\$1,839,868	\$2,001,805	\$1,803,440	\$2,073,239	\$2,035,747	\$1,941,473	\$1,577,972	\$1,967,150	\$2,054,300	\$23,348,819
	Market Sales	\$4,392,551	\$3,905,855	\$4,439,216	\$4,329,672	\$2,944,904	\$3,343,042	\$3,891,873	\$3,541,872	\$3,046,110	\$4,921,239	\$4,518,029	\$4,109,051	\$47,383,413
	Station Service	\$4,337	\$4,337	\$4,337	\$56,747	\$58,604	\$4,337	\$4,337	\$4,337	\$4,337	\$14,991	\$4,337	\$4,337	\$169,376
	MISO Costs 1/	\$189,159	\$106,275	\$119,952	\$87,386	\$32,407	\$120,260	\$165,072	\$141,230	\$98,602	\$167,139	\$188,131	\$184,832	\$1,600,445
6	Less: Costs Related to Solar	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$101,692
7	Plus: Time of Generation and Solar Energy Adjustmen	\$25,930	\$35,211	\$39,977	\$42,926	\$48,032	\$44,194	\$65,662	\$60,556	\$43,959	\$54,963	\$31,645	\$26,281	\$519,336
8	Total Monthly Cost of Fuel	\$20,963,483	\$18,460,472	\$18,962,828	\$16,148,119	\$16,321,441	\$19,915,434	\$22,913,580	\$23,031,269	\$19,948,215	\$20,102,568	\$21,260,726	\$23,814,801	\$241,842,936

kWh Sales

	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Total 2020
9 Total Sales of Electricity	1,186,813	1,063,895	1,127,299	1,030,408	998,569	988,070	1,079,617	1,063,295	986,787	1,058,244	1,098,294	1,149,252	12,830,542
Residential	125,695	100,405	100,917	75,011	66,872	63,527	84,555	81,879	69,203	67,133	92,554	121,566	1,049,317
Commercial	110,831	108,522	110,750	89,816	94,814	101,219	109,635	113,618	105,592	97,171	97,698	115,099	1,254,765
LP Taconite	396,648	356,792	383,771	354,129	386,002	373,210	391,489	387,087	367,280	369,435	382,571	387,522	4,535,936
LP Paper and Pulp	74,428	67,472	74,498	71,840	73,911	72,366	70,995	75,077	72,254	74,938	71,745	72,688	872,212
LP Pipeline	30,873	29,710	32,154	31,537	28,594	24,669	25,645	24,208	24,310	25,341	27,532	29,402	333,975
Municipals	128,126	112,748	116,521	107,220	106,094	100,957	114,577	110,982	106,818	108,576	115,399	127,367	1,355,385
Other Misc.	32,068	30,885	32,324	31,558	32,196	31,962	32,056	32,776	31,305	31,963	30,553	31,885	381,531
Inter System Sales	288,144	257,361	276,364	269,297	210,086	220,160	250,665	237,668	210,025	283,687	280,242	263,723	3,047,421
10 Less: Inter-System Sales	288,144	257,361	276,364	269,297	210,086	220,160	250,665	237,668	210,025	283,687	280,242	263,723	3,047,421
Customer Inter-System Sales	74,382	71,957	67,456	66,172	72,479	66,570	74,894	74,148	71,770	59,203	72,889	75,096	847,016
Market Sales	213,594	185,236	208,740	201,098	135,514	153,423	175,604	163,353	138,087	223,938	207,186	188,460	2,194,233
Station Service	167	167	167	2,026	2,092	167	167	167	167	545	167	167	6,172
11 Less: Solar Generation and Purchased kWh	868	1,117	1,340	1,585	1,777	1,821	1,952	1,790	1,415	2,318	1,382	1,100	18,466
12 Total Monthly kWh Sales	897,801	805,417	849,595	759,526	786,706	766,089	827,000	823,837	775,347	772,239	816,670	884,429	9,764,655

Fuel Adjustment Charge - Fuel Clause (¢/kWh)

13 1-Month Average Cost of Fuel (¢/kWh)	2.335	2.292	2.232	2.126	2.075	2.600	2.771	2.796	2.573	2.603	2.603	2.693
14 Base Cost of Fuel (¢/kWh)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15 Fuel Adjustment Charge (lines 13 - line 14) (¢/kWh)	2.335	2.292	2.232	2.126	2.075	2.600	2.771	2.796	2.573	2.603	2.603	2.693
16 Applicable During Billing Month of:	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020

1-Month Average Cost of Fuel by Energy Type (¢/kWh)

Billing Month:	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
17 Generation - Coal	0.876	0.943	0.824	0.255	0.459	0.915	1.037	1.062	0.856	0.591	0.826	0.869
18 Generation - Gas	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000
19 Generation - BioFuel	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.015	0.000	0.000	0.000	0.000
20 Purchased Power - Coal	0.133	0.120	0.146	0.159	0.167	0.095	0.115	0.116	0.114	0.104	0.092	0.110
21 Purchased Power - Biomass	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22 Purchased Power - Hydr	0.142	0.148	0.150	0.162	0.162	1.050	1.007	0.999	1.032	1.068	0.974	0.936
23 Purchased Power - Gas	0.014	0.005	0.015	0.015	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24 Purchased Power - Winc	0.143	0.117	0.129	0.139	0.139	0.107	0.091	0.096	0.124	0.391	0.373	0.337
25 Purchased Power - Diesel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26 Purchased Power - Solar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.004	0.002
27 Purchased Power - Unknown	1.027	0.958	0.968	1.396	1.143	0.432	0.494	0.507	0.447	0.443	0.334	0.438
28 Total One-Month Average Cost	2.335	2.292	2.232	2.126	2.075	2.600	2.771	2.796	2.573	2.603	2.603	2.693

NOTES:

1/ See Attachment 3 for MISO Costs breakdown and Assumptions

Fuel Adjustment Clause 16 is applicable to all retail schedules except Competitive Rates, Industrial Economy, Excess Energy, Replacement Firm Power Service, Interruptible Power and Incremental Production Service. kWh Sales under Competitive Rate Schedules are not subject to the Fuel Clause but the Competitive Rate does recover the base cost of fuel.

Beginning November 1, 2009, with final rates, the company began applying the Fuel Adjustment Clause based (Fuel and Purchased Energy Adjustment) on Class Cost Factors for each different rate class such as Residential, General Service, Large Light and Power, Large Power, Municipal Pumping and Lighting

STATE OF MINNESOTA)
) ss
COUNTY OF ST. LOUIS)

AFFIDAVIT OF SERVICE VIA
ELECTRONIC FILING

SUSAN ROMANS of the City of Duluth, County of St. Louis, State of Minnesota, says that on the **4th** day of **November, 2019**, she served Minnesota Power’s Letter for Base Cost of Fuel and Purchase Energy in **Docket Nos. E015/GR-19-442** and **E015/MR-19-443** on the Minnesota Public Utilities Commission and the Office of Energy Security via electronic filing. The persons on the attached Official Service List and Minnesota Power’s General Service List were served as requested.



Susan Romans

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Lori	Andresen	info@sosbluewaters.org	Save Our Sky Blue Waters	P.O. Box 3661 Duluth, Minnesota 55803	Electronic Service	No	OFF_SL_19-442_GR-19-442
Jessica L	Bayles	Jessica.Bayles@stoel.com	Stoel Rives LLP	1150 18th St NW Ste 325 Washington, DC 20036	Electronic Service	No	OFF_SL_19-442_GR-19-442
Peter	Beithon	pbeithon@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_19-442_GR-19-442
Sara	Bergan	sebergan@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_GR-19-442
David F.	Boehm		Boehm, Kurtz & Lowry	Suite 1510 36 East Seventh Street Cincinnati, OH 45202	Paper Service	No	OFF_SL_19-442_GR-19-442
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Jon	Brekke	jbrekke@greenergy.com	Great River Energy	12300 Elm Creek Boulevard Maple Grove, MN 553694718	Electronic Service	No	OFF_SL_19-442_GR-19-442
Christina	Brusven	cbrusven@fredlaw.com	Fredrikson Byron	200 S 6th St Ste 4000 Minneapolis, MN 554021425	Electronic Service	No	OFF_SL_19-442_GR-19-442
Michael J.	Bull	mbull@mncee.org	Center for Energy and Environment	212 Third Ave N Ste 560 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_19-442_GR-19-442

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Steve W.	Chriss	Stephen.chriss@walmart.com	Wal-Mart	2001 SE 10th St. Bentonville, AR 72716-5530	Electronic Service	No	OFF_SL_19-442_GR-19-442
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1800 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-442_GR-19-442
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Hillary	Creurer	hcreurer@allete.com	Minnesota Power	30 W Superior St Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_GR-19-442
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Ron	Elwood	relwood@mnlsap.org	Mid-Minnesota Legal Aid	2324 University Ave Ste 101 Saint Paul, MN 55114	Electronic Service	No	OFF_SL_19-442_GR-19-442
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_19-442_GR-19-442

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Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_19-442_GR-19-442
Barbara	Gervais	toftemn@boreal.org	Town of Tofte	P O Box 2293 7240 Tofte Park Road Tofte, MN 55615	Electronic Service	No	OFF_SL_19-442_GR-19-442
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Annete	Henkel	mui@mutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_GR-19-442
Shane	Henriksen	shane.henriksen@enbridge.com	Enbridge Energy Company, Inc.	1409 Hammond Ave FL 2 Superior, WI 54880	Electronic Service	No	OFF_SL_19-442_GR-19-442
Valerie	Herring	vherring@briggs.com	Briggs and Morgan, P.A.	2200 IDS Center 80 S. Eighth Street Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_GR-19-442
Lori	Hoyum	lhoyum@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_GR-19-442

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_19-442_GR-19-442
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Lori	Andresen	info@sosbluewaters.org	Save Our Sky Blue Waters	P.O. Box 3661 Duluth, Minnesota 55803	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
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Peter	Beithon	pbeithon@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
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David F.	Boehm		Boehm, Kurtz & Lowry	Suite 1510 36 East Seventh Street Cincinnati, OH 45202	Paper Service	No	SPL_SL_19-442_Potentially Interested Parties
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Jon	Brekke	jbrekke@grenergy.com	Great River Energy	12300 Elm Creek Boulevard Maple Grove, MN 553694718	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Christina	Brusven	cbrusven@fredlaw.com	Fredrikson Byron	200 S 6th St Ste 4000 Minneapolis, MN 554021425	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties

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Michael J.	Bull	mbull@mncee.org	Center for Energy and Environment	212 Third Ave N Ste 560 Minneapolis, MN 55401	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
David	Cartella	David.Cartella@cliffsnr.com	Cliffs Natural Resources Inc.	200 Public Square Ste 3300 Cleveland, OH 44114-2315	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Greg	Chandler	greg.chandler@upm.com	UPM Blandin Paper	115 SW First St Grand Rapids, MN 55744	Paper Service	No	SPL_SL_19-442_Potentially Interested Parties
Steve W.	Chriss	Stephen.chriss@walmart.com	Wal-Mart	2001 SE 10th St. Bentonville, AR 72716-5530	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1800 St. Paul, MN 55101	Electronic Service	Yes	SPL_SL_19-442_Potentially Interested Parties
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Hillary	Creurer	hcreurer@allete.com	Minnesota Power	30 W Superior St Duluth, MN 55802	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Lisa	Daniels	lisadaniels@windustry.org	Windustry	201 Ridgewood Ave Minneapolis, MN 55403	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
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Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Barbara	Gervais	toftemn@boreal.org	Town of Tofte	P O Box 2293 7240 Tofte Park Road Tofte, MN 55615	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Janice	Hall	N/A	Cook County Board of Commissioners	411 W 2nd St Court House Grand Marais, MN 55604-2307	Paper Service	No	SPL_SL_19-442_Potentially Interested Parties
J Drake	Hamilton	hamilton@fresh-energy.org	Fresh Energy	408 St Peter St Saint Paul, MN 55101	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Annete	Henkel	mui@mnuilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Shane	Henriksen	shane.henriksen@enbridge.com	Enbridge Energy Company, Inc.	1409 Hammond Ave FL 2 Superior, WI 54880	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Valerie	Herring	vherring@briggs.com	Briggs and Morgan, P.A.	2200 IDS Center 80 S. Eighth Street Minneapolis, MN 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties

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Lori	Hoyum	lhoyum@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
James	Jarvi	N/A	Minnesota Ore Operations - U S Steel	P O Box 417 Mountain Iron, MN 55768	Paper Service	No	SPL_SL_19-442_Potentially Interested Parties
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2265 Roswell Road Suite 100 Marietta, GA 30062	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Kelsey	Johnson	info@taconite.org	Iron Mining Association	324 West Superior St Ste 502 Duluth, MN 55802	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Sarah	Johnson Phillips	sarah.phillips@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Travis	Kolari	N/A	Keetac	PO Box 217 Keewatin, MN 55753	Paper Service	No	SPL_SL_19-442_Potentially Interested Parties
Michael	Krikava	mkrikava@briggs.com	Briggs And Morgan, P.A.	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Becky	Lammi	cityclerk@ci.aurora.mn.us	City of Aurora	16 W 2nd Ave N PO Box 160 Aurora, MN 55705	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Carmel	Laney	carmel.laney@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
David	Langmo	david.langmo@sappi.com	Sappi North America	P O Box 511 2201 Avenue B Cloquet, MN 55720	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
James D.	Larson	james.larson@avantenergy.com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Emily	Larson	eLarson@duluthmn.gov	City of Duluth	411 W 1st St Rm 403 Duluth, MN 55802	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Annie	Levenson Falk	annielf@cubminnesota.org	Citizens Utility Board of Minnesota	332 Minnesota Street, Suite W1360 St. Paul, MN 55101	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
LeRoger	Lind	llind@yahoo.com	Save Lake Superior Association	P.O. Box 101 Two Harbors, MN 55616	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Eric	Lindberg	elindberg@mncenter.org	Minnesota Center for Environmental Advocacy	1919 University Avenue West Suite 515 Saint Paul, MN 55104-3435	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Patrick	Loupin	PatrickLoupin@Packaging Corp.com	Packaging Corporation of America	PO Box 990050 Boise, ID 83799-0050	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Susan	Ludwig	sludwig@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Philip	Mahowald	pmahowald@thejacobsonlawgroup.com	Jacobson Law Group	180 East Fifth Street Suite 940 St. Paul, MN 55101	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Kavita	Maini	kmairi@wi.rr.com	KM Energy Consulting LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Paper Service	No	SPL_SL_19-442_Potentially Interested Parties
Sarah	Manchester	sarah.manchester@sappi.com	Sappi North American	255 State Street Floor 4 Boston, MA 02109-2617	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Tony	Mancuso	mancusot@stlouiscountymn.gov	Saint Louis County Property Mgmt Dept	Duluth Courthouse 100 N 5th Ave W Rm 515 Duluth, MN 55802-1209	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Keith	Matzdorf	keith.matzdorf@sappi.com	Sappi Fine Paper North America	PO Box 511 2201 Avenue B Cloquet, MN 55720	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Daryl	Maxwell	dmaxwell@hydro.mb.ca	Manitoba Hydro	360 Portage Ave FL 16 PO Box 815, Station Main Winnipeg, Manitoba R3C 2P4 Canada	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Matthew	McClincy	MMcClincy@usg.com	USG	35 Arch Street Clouquet, MN 55720	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties

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Craig	McDonnell	Craig.McDonnell@state.mn.us	MN Pollution Control Agency	520 Lafayette Road St. Paul, MN 55101	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Natalie	McIntire	natalie.mcintire@gmail.com	Wind on the Wires	570 Asbury St Ste 201 Saint Paul, MN 55104-1850	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Kristin	Munsch	kmunsch@citizensutilityboard.org	Citizens Utility Board of Minnesota	309 W. Washington St. Ste. 800 Chicago, IL 60606	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Heidi	Nelson	Heidi.nelson@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
David	Niles	david.niles@avantenergy.com	Minnesota Municipal Power Agency	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Michael	Noble	noble@fresh-energy.org	Fresh Energy	Hamm Bldg., Suite 220 408 St. Peter Street St. Paul, MN 55102	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Rolf	Nordstrom	rnordstrom@gpisd.net	Great Plains Institute	2801 21ST AVE S STE 220 Minneapolis, MN 55407-1229	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Christopher J.	Oppitz	N/A	-	110 1/2 1ST ST E Park Rapids, MN 56470-1695	Paper Service	No	SPL_SL_19-442_Potentially Interested Parties

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Elanne	Palcich	epalcich@cpinternet.com	Save Our Sky Blue Waters	P.O. Box 3661 Duluth, MN 55803	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Max	Peters	maxp@cohasset-mn.com	City of Cohasset	305 NW First Ave Cohasset, MN 55721	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Jennifer	Peterson	jjpeterson@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
William	Phillips	wphillips@aarp.org	AARP	30 E. 7th St Suite 1200 St. Paul, MN 55101	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Tolaver	Rapp	Tolaver.Rapp@cliffsnr.com	Cliffs Natural Resources	200 Public Square Suite 3400 Cleveland, OH 441142318	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Phyllis	Reha	phyllisreha@gmail.com		3656 Woodland Trail Eagan, MN 55123	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	SPL_SL_19-442_Potentially Interested Parties
Kevin	Reuther	kreuther@mncenter.org	MN Center for Environmental Advocacy	26 E Exchange St, Ste 206 St. Paul, MN 551011667	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Ralph	Riberich	rriberich@uss.com	United States Steel Corp	600 Grant St Ste 2028 Pittsburgh, PA 15219	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Buddy	Robinson	buddy@citizensfed.org	Minnesota Citizens Federation NE	2110 W. 1st Street Duluth, MN 55806	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Santi	Romani	N/A	United Taconite	P O Box 180 Eveleth, MN 55734	Paper Service	No	SPL_SL_19-442_Potentially Interested Parties
Susan	Romans	sromans@allete.com	Minnesota Power	30 West Superior Street Legal Dept Duulth, MN 55802	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Thomas	Scharff	thomas.scharff@versoco.com	Verso Corp	600 High Street Wisconsin Rapids, WI 54495	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Larry L.	Schedin	Larry@LLSResources.com	LLS Resources, LLC	332 Minnesota St, Ste W1390 St. Paul, MN 55101	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Robert H.	Schulte	rhs@schulteassociates.com	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Doug	Shoemaker	dougs@charter.net	Minnesota Renewable Energy	2928 5th Ave S Minneapolis, MN 55408	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Brett	Skyles	Brett.Skyles@co.itasca.mn.us	Itasca County	123 NE Fourth Street Grand Rapids, MN 557442600	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Richard	Staffon	rcstaffon@msn.com	W. J. McCabe Chapter, Izaak Walton League of America	1405 Lawrence Road Cloquet, Minnesota 55720	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
James M	Strommen	jstrommen@kennedy-graven.com	Kennedy & Graven, Chartered	200 S 6th St Ste 470 Minneapolis, MN 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Robert	Tammen	bobtammen@frontiernet.net	Wetland Action Group	PO Box 398 Soudan, MN 55782	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Jim	Tieberg	jtieberg@polymetmining.com	PolyMet Mining, Inc.	PO Box 475 County Highway 666 Hoyt Lakes, MN 55750	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Jessica	Tritsch	jessica.tritsch@sierraclub.org	Sierra Club	2327 E Franklin Ave Minneapolis, MN 55406	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Karen	Turnboom	karen.turnboom@versocom.com	Verso Corporation	100 Central Avenue Duluth, MN 55807	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties
Kodi	Verhalen	kverhalen@briggs.com	Briggs & Morgan	2200 IDS Center 80 South Eighth Street Minneapolis, Minnesota 55402	Electronic Service	No	SPL_SL_19-442_Potentially Interested Parties

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Kevin	Walli	kwalli@fryberger.com	Fryberger, Buchanan, Smith & Frederick	380 St. Peter St Ste 710 St. Paul, MN 55102	Electronic Service	No	SPL_SL_19- 442_Potentially Interested Parties
Daniel P	Wolf	dan.wolf@state.mn.us	Public Utilities Commission	121 7th Place East Suite 350 St. Paul, MN 551012147	Electronic Service	Yes	SPL_SL_19- 442_Potentially Interested Parties
Scott	Zahorik	scott.zahorik@aeoa.org	Arrowhead Economic Opportunity Agency	702 S. 3rd Avenue Virginia, MN 55792	Electronic Service	No	SPL_SL_19- 442_Potentially Interested Parties

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Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	Yes	GEN_SL_Minnesota Power_MPs General Service List
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1800 St. Paul, MN 55101	Electronic Service	Yes	GEN_SL_Minnesota Power_MPs General Service List
Riley	Conlin	riley.conlin@stoel.com	Stoel Rives LLP	33 S. 6th Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Hillary	Creurer	hcreurer@allete.com	Minnesota Power	30 W Superior St Duluth, MN 55802	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	Yes	GEN_SL_Minnesota Power_MPs General Service List
Kimberly	Hellwig	kimberly.hellwig@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Lori	Hoyum	lhoyum@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Michael	Krikava	mkrikava@briggs.com	Briggs And Morgan, P.A.	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
James D.	Larson	james.larson@avantenergy.com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Susan	Ludwig	sludwig@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	Yes	GEN_SL_Minnesota Power_MPs General Service List
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Jennifer	Peterson	jjpeterson@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	GEN_SL_Minnesota Power_MPs General Service List
Susan	Romans	sromans@allete.com	Minnesota Power	30 West Superior Street Legal Dept Duluth, MN 55802	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List
Daniel P	Wolf	dan.wolf@state.mn.us	Public Utilities Commission	121 7th Place East Suite 350 St. Paul, MN 551012147	Electronic Service	No	GEN_SL_Minnesota Power_MPs General Service List