

NorthWestern Corporation, dba NorthWestern Energy  
 South Dakota Electric  
 Test Year Ended December 31, 2022  
 Derivation of Increased Rates and Proof of Revenue

Line	Description	----- Present Rates -----			----- Proposed Rates -----			Revenue Change	
		Billing Units	Rate	Revenue	Billing Units	Rate	Revenue	\$	%
1	<b>Residential Service Rate 10</b>								
2	<u>Summer Rate</u>								
3	Customer Charge	155,611	\$6.00	\$933,666	155,611	\$10.00	\$1,556,110	\$622,444	66.67%
4	First 200 kWh	29,489,040	\$0.09476	2,794,381	29,489,040	\$0.11517	3,396,253	601,871	21.54%
5	Next 600 kWh	67,999,026	\$0.09322	6,338,869	67,999,026	\$0.11332	7,705,650	1,366,780	21.56%
6	Next 200 kWh	14,475,632	\$0.08397	1,215,519	14,475,632	\$0.10206	1,477,383	261,864	21.54%
7	Next 200 kWh	10,791,370	\$0.06701	723,130	10,791,370	\$0.08145	878,957	155,827	21.55%
8	Over 1200 kWh	25,986,135	\$0.03153	819,343	25,986,135	\$0.03833	996,049	176,706	21.57%
9	Sub-total Summer Rate	148,741,203		\$12,824,908	148,741,203		\$16,010,401	\$3,185,493	24.84%
10	Booked to Billed Revenue Ratio			100.221%			100.000%		
11	Booked Base Rate Revenue			\$12,853,208			\$16,010,401	\$3,157,193	24.56%
12	<u>Off-Peak Rate</u>								
13	Customer Charge	311,519	\$6.00	\$1,869,114	311,519	\$10.00	\$3,115,190	\$1,246,076	66.67%
14	First 200 kWh	58,443,599	\$0.09476	5,538,115	58,443,599	\$0.11517	6,730,949	1,192,834	21.54%
15	Next 600 kWh	111,427,023	\$0.09322	10,387,227	111,427,023	\$0.11332	12,626,910	2,239,683	21.56%
16	Next 200 kWh	17,799,052	\$0.08397	1,494,586	17,799,052	\$0.10206	1,816,571	321,985	21.54%
17	Next 200 kWh	12,631,303	\$0.06701	846,424	12,631,303	\$0.08145	1,028,820	182,396	21.55%
18	Over 1200 kWh	43,313,567	\$0.03153	1,365,677	43,313,567	\$0.03833	1,660,209	294,532	21.57%
19	Sub-total Off-Peak Rate	243,614,544		\$21,501,143	243,614,544		\$26,978,649	\$5,477,506	25.48%
20	Booked to Billed Revenue Ratio			100.053%			100.000%		
21	Booked Base Rate Revenue			\$21,512,618			\$26,978,649	\$5,466,032	25.41%
22				\$18,709,838				1,868,520	
23	Total Annual Billed Residential Rate 10	392,355,747		\$34,326,051	392,355,747		\$42,989,050	\$8,662,999	25.24%
24	Booked to Billed Revenue Ratio			100.116%			100.000%		
25	Total Adjusted Annual Residential Rate 10 Revenue			\$34,365,825			\$42,989,050	\$8,623,225	25.09%

Line	Description	----- Present Rates -----			----- Proposed Rates -----			Revenue Change	
		Billing Units	Rate	Revenue	Billing Units	Rate	Revenue	\$	%
1	<b>Residential Service Rate 10YS</b>								
2	<u>Summer Rate</u>								
3	YS Discount			\$13,995			\$13,995		
4	Customer Charge	826	\$6.00	4,956	826	\$10.00	8,260	\$3,304	66.67%
5	First 200 kWh	145,714	\$0.09476	13,808	145,714	\$0.11517	16,782	2,974	21.54%
6	Next 600 kWh	364,849	\$0.09322	34,011	364,849	\$0.11332	41,345	7,333	21.56%
7	Next 200 kWh	88,141	\$0.08397	7,401	88,141	\$0.10206	8,996	1,594	21.54%
8	Next 200 kWh	68,690	\$0.06701	4,603	68,690	\$0.08145	5,595	992	21.55%
9	Over 1200 kWh	169,712	\$0.03153	5,351	169,712	\$0.03833	6,505	1,154	21.57%
10	Sub-total Summer Rate	837,106		\$70,130	837,106		\$87,482	\$17,352	24.74%
11	Booked to Billed Revenue Ratio			100.614%			100.000%		
12	Booked Base Rate Revenue			\$70,561			\$87,482	16,921	23.98%
13	<u>Off-Peak Rate</u>								
14	YS Discount			\$32,172			\$32,172		
15	Customer Charge	1,655	\$6.00	9,930	1,655	\$10.00	16,550	\$6,620	66.67%
16	First 200 kWh	298,282	\$0.09476	28,265	298,282	\$0.11517	34,353	6,088	21.54%
17	Next 600 kWh	720,030	\$0.09322	67,121	720,030	\$0.11332	81,594	14,473	21.56%
18	Next 200 kWh	163,729	\$0.08397	13,748	163,729	\$0.10206	16,710	2,962	21.54%
19	Next 200 kWh	131,917	\$0.06701	8,840	131,917	\$0.08145	10,745	1,905	21.55%
20	Over 1200 kWh	610,433	\$0.03153	19,247	610,433	\$0.03833	23,398	4,151	21.57%
21	Sub-total Off-Peak Rate	1,924,391		\$147,151	1,924,391		\$183,350	\$36,198	24.60%
22	Booked to Billed Revenue Ratio			99.834%			100.000%		
23	Booked Base Rate Revenue			\$146,907			\$183,350	36,443	24.81%
24	Plus: YS WAPA Discount	2,761,497	\$0.01672	\$46,167	2,761,497	\$0.01672	\$46,167	\$0	0.00%
25	Sub-total Annual Residential Rate 10YS excl. YD Discount	2,761,497		\$217,282	2,761,497		\$270,832	\$53,550	24.65%
26	Booked to Billed Revenue Ratio (Before YS Discount)			100.086%			100.000%		
27	Total Adjusted Annual Residential Revenue Before YS Discount			\$217,468			\$270,832	\$53,364	24.54%
28	Net Annual Residential Revenue after 10YS Discount			171,115			224,665	53,550	31.29%
				\$46,353			\$46,167		

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		Billing Units	Rate	Revenue	Billing Units	Rate	Revenue	\$	%
1	<b>Residential Service with Space Heating Rate 11</b>								
2	<u>Summer Rate</u>								
3	Customer Charge	43,258	\$6.00	\$259,548	43,258	\$10.00	\$432,580	\$173,032	66.67%
4	First 200 kWh	8,212,968	\$0.09476	778,261	8,212,968	\$0.11517	945,888	167,627	21.54%
5	Next 600 kWh	16,842,885	\$0.09322	1,570,094	16,842,885	\$0.11332	1,908,636	338,542	21.56%
6	Next 200 kWh	3,377,884	\$0.08397	283,641	3,377,884	\$0.10206	344,747	61,106	21.54%
7	Next 200 kWh	2,581,922	\$0.06701	173,015	2,581,922	\$0.08145	210,298	37,283	21.55%
8	Over 1200 kWh	8,980,061	\$0.03153	283,141	8,980,061	\$0.03833	344,206	61,064	21.57%
9	Sub-total Summer Rate	39,995,720		\$3,347,699	39,995,720		\$4,186,353	\$838,654	25.05%
10	Booked to Billed Revenue Ratio			99.782%			100.000%		
11	Booked Base Rate Revenue			\$3,340,407			\$4,186,353	\$845,946	25.32%
12	<u>Off-Peak Rate</u>								
13	Customer Charge	86,578	\$6.00	\$519,468	86,578	\$10.00	\$865,780	\$346,312	66.67%
14	First 200 kWh	16,823,712	\$0.09476	1,594,215	16,823,712	\$0.11517	1,937,587	343,372	21.54%
15	Next 600 kWh	40,817,802	\$0.09322	3,805,036	40,817,802	\$0.11332	4,625,473	820,438	21.56%
16	Next 200 kWh	10,236,678	\$0.08397	859,574	10,236,678	\$0.10206	1,044,755	185,182	21.54%
17	Next 200 kWh	8,849,431	\$0.02614	231,324	8,849,431	\$0.03177	281,162	49,838	21.54%
18	Over 1200 kWh	66,809,135	\$0.02614	1,746,391	66,809,135	\$0.03177	2,122,642	376,251	21.54%
19	Sub-total Off-Peak Rate	143,536,758		\$8,756,007	143,536,758		\$10,877,400	\$2,121,392	24.23%
20	Booked to Billed Revenue Ratio			100.260%			100.000%		
21	Booked Base Rate Revenue			\$8,778,773			\$10,877,400	\$2,098,626	23.91%
22									
23	Total Annual Residential Rate 11	183,532,478		\$12,103,707	183,532,478		\$15,063,753	\$2,960,046	24.46%
24	Booked to Billed Revenue Ratio			100.128%			\$1		
25	Total Adjusted Annual Residential Rate 11 Revenue			\$12,119,181			\$15,063,753	\$2,944,572	24.30%

Line	Description	----- Present Rates -----			----- Proposed Rates -----			Revenue Change	
		Billing Units	Rate	Revenue	Billing Units	Rate	Revenue	\$	%
1	<b>Residential Service Rate 11YS</b>								
2	<u>Summer Rate</u>								
3	YS Discount			\$4,663			\$4,663		
4	Customer Charge	305	\$6.00	1,830	305	\$10.00	3,050	\$1,220	66.67%
5	First 200 kWh	51,799	\$0.09476	4,908	51,799	\$0.11517	5,966	1,057	21.54%
6	Next 600 kWh	114,908	\$0.09322	10,712	114,908	\$0.11332	13,021	2,310	21.56%
7	Next 200 kWh	25,040	\$0.08397	2,103	25,040	\$0.10206	2,556	453	21.54%
8	Next 200 kWh	20,073	\$0.06701	1,345	20,073	\$0.08145	1,635	290	21.55%
9	Over 1200 kWh	67,115	\$0.03153	2,116	67,115	\$0.03833	2,573	456	21.57%
10	Sub-total Summer Rate	278,935		\$23,014	278,935		\$28,800	\$5,786	25.14%
11	Booked to Billed Revenue Ratio			100.010%			100.000%		
12	Booked Base Rate Revenue			\$23,016			\$28,800		
13	<u>Off-Peak Rate</u>								
14	YS Discount			\$17,942			\$17,942		
15	Customer Charge	609	\$6.00	3,654	609	\$10.00	6,090	\$2,436	66.67%
16	First 200 kWh	111,464	\$0.09476	10,562	111,464	\$0.11517	12,837	2,275	21.54%
17	Next 600 kWh	286,337	\$0.09322	26,692	286,337	\$0.11332	32,448	5,755	21.56%
18	Next 200 kWh	79,792	\$0.08397	6,700	79,792	\$0.10206	8,144	1,443	21.54%
19	Next 200 kWh	71,443	\$0.02614	1,868	71,443	\$0.03177	2,270	402	21.54%
20	Over 1200 kWh	524,196	\$0.02614	13,702	524,196	\$0.03177	16,655	2,952	21.54%
21	Sub-total Off-Peak Rate	1,073,232		\$63,179	1,073,232		\$78,443	\$15,264	24.16%
22	Booked to Billed Revenue Ratio			99.709%			100.000%		
23	Booked Base Rate Revenue			\$62,995			\$78,443		
24	Annual Residential Revenue before 11YS Discount	1,352,167		\$86,193	1,352,167		\$107,243	\$21,050	24.42%
25	Book Annual Residential Rate 11YS Revenue			\$86,011			\$107,243	\$23,486	27.31%
26	Booked to Billed Revenue Ratio			99.789%			100.000%		
27	Less: YS WAPA Discount	1,352,167	\$0.01672	\$22,605	1,352,167	\$0.01672	\$22,605	\$0	0.00%
28	Total Annual Residential Revenue 11YS after Discount			\$63,587			\$84,638	\$21,050	33.10%

Line	Description	----- Present Rates -----			----- Proposed Rates -----			Revenue Change	
		Billing Units	Rate	Revenue	Billing Units	Rate	Revenue	\$	%
1	<b>Residential Space Heating and Cooling Rate 14</b>								
2	<u>Summer Rate</u>								
3	Customer Charge	4,120	\$3.00	\$12,360	4,120	\$5.00	\$20,600	8,240	66.67%
4	Energy	1,900,749	\$0.03699	70,309	1,900,749	\$0.05013	95,285	24,976	35.52%
5	Sub-total Summer Rate	1,900,749		\$82,669	1,900,749		\$115,885	\$33,216	40.18%
6	Booked to Billed Revenue Ratio			97.696%			100.000%		
7	Booked Base Rate Revenue			\$80,764			\$115,885	\$35,121	43.49%
8	<u>Off-Peak Rate</u>								
9	Customer Charge	8,260	\$3.00	\$24,780	8,260	\$5.00	\$41,300	16,520	66.67%
10	Energy	12,904,007	\$0.02862	369,313	12,904,007	\$0.03891	502,095	132,782	35.95%
11	Sub-total Off-Peak Rate	12,904,007		\$394,093	12,904,007		\$543,395	\$149,302	37.89%
12	Booked to Billed Revenue Ratio			100.389%			100.000%		
13	Booked Base Rate Revenue			\$395,624			\$543,395	\$147,770	37.35%
14									
15	Annual Residential Space Heating and Cooling Rate 14	14,804,756		\$476,761	14,804,756		\$659,279	182,518	38.28%
16	Booked to Billed Revenue Ratio			99.922%			100.000%		
17	Total Adjusted Annual Residential Rate 14			\$476,388			\$659,279	\$182,891	38.39%

Line	Description	----- Present Rates -----			----- Proposed Rates -----			Revenue Change	
		Billing Units	Rate	Revenue	Billing Units	Rate	Revenue	\$	%
1	<b>Residential Dual-Fuel and Controlled Service Rate 15</b>								
2	<u>Summer Rate</u>								
3	Customer Charge	28	\$3.00	\$84	28	\$5.00	\$140	56	66.67%
4	Energy	10,904	\$0.03699	403	10,904	\$0.05013	547	143	35.52%
5	Sub-total Summer Rate	10,904		\$487	10,904		\$687	\$199	40.89%
6	Booked to Billed Revenue Ratio			96.047%			100.000%		
7	Booked Base Rate Revenue			\$468			\$687		
8	<u>Off-Peak Rate</u>								
9	Customer Charge	56	\$3.00	\$168	56	\$5.00	\$280	112	66.67%
10	Energy	77,848	\$0.02362	1,839	77,848	\$0.03291	2,562	723	39.33%
11	Sub-total Off-Peak Rate	77,848		\$2,007	77,848		\$2,842	\$835	41.62%
12	Booked to Billed Revenue Ratio			100.921%			100.000%		
13	Booked Base Rate Revenue			\$2,025			\$2,842	\$835	41.24%
14									
15	Annual Res. Dual-Fuel and Controlled Service Rate 15	88,752		\$2,494	88,752		\$3,529	1,034	41.48%
16	Booked to Billed Revenue Ratio			99.969%			100.000%		
17	Total Adjusted Annual Residential Rate 15			\$2,493			\$3,529	\$1,034	41.49%