

Tariff	Description	Present Price	Proposed Price	2024 Units	Present \$	Proposed \$	Difference
1.8	Dedicated Switching Service	Chg / trip	Chg / trip				
	Monday through Saturday	\$300.00	\$800.00	24	\$7,200	\$19,200	\$12,000
	Sunday and Federal holidays	\$400.00	\$1,000.00	4	\$1,600	\$4,000	\$2,400
5.1.A.1	Standard Installation and Extension Rules						
	Excess service charge - Services	\$7.90	\$10.00	7,848	\$61,999	\$78,480	\$16,481
	Excess service charge - Excess single phase primary	\$8.00	\$10.50	-	\$0	\$0	\$0
	Excess service charge - Excess three phase primary	\$13.90	\$17.00	-	\$0	\$0	\$0
5.1.A.2.	Winter Construction						
	Per Thaw Unit	\$640.00	\$870.00	4	\$2,560	\$3,480	\$920
	Per Trench Foot	\$8.90	\$18.00	2,860	\$25,454	\$51,480	\$26,026
			REVENUE IMPACT		\$98,813	\$156,640	\$57,827

Northern States Power Company
 State of South Dakota Electric Jurisdiction
 Test Year Ending December 31, 2024
 Excess Footage

2024 Data Electric

Section 6.5.1.A1.	
Excess Footage Charge	Current Electric tariff per circuit foot
Services	\$7.90
Excess single phase primary or secondary extension	\$8.00
Excess three phase primary or secondary extension	\$13.90

Task	SAP	Overhead*	Total Costs
Services	\$10.12	\$0.00	\$10.12
Excess single phase primary or secondary extension	\$10.65	\$0.00	\$10.65
Excess three phase primary or secondary extension	\$17.03	\$0.00	\$17.03

* Overhead included with SAP costs

TARIFF	Current Electric tariff per circuit foot	Proposed Tariff Charge per circuit foot
Services	\$7.90	\$10.00
Excess single phase primary or secondary extension	\$8.00	\$10.50
Excess three phase primary or secondary extension	\$13.90	\$17.00

2024 Winter Construction Burner Costs

Before January 1st
 Typically burn for 2 days
 A burner requires 3 - 20 lbs propane tanks to run for 2 days (20lbs tank = 5 gallons)

process	Crew or Vehicles	time to do	cost pr hr	cost	cost per gallon	gallons used	propane cost	Totals
Set burner	Two man crew		1	\$100.00	\$100.00			
Re-tank burner	Two man crew		0	\$100.00	\$0.00			
Remove burner	Two man crew		1	\$100.00	\$100.00			
Total Labor					\$200.00			
Labor Loading @ 78.604%					\$157.21			
Labor w/Loading					\$357.21			\$357.21
Vehicle & Equipment			2	\$55.00	\$110.00			\$110.00
Propane Cost						2.72	15	\$40.80
Costs (before E&S)					\$508.01			\$508.01
E&S cost @ 25.00%					\$127.00			\$127.00
Total Cost					\$635.01			\$635.01

After January 1st
 Typically burn for 3 days, requires 4.5 - 20 lbs propane tanks (20lbs tank = 5 gallons)

process	Crew or Vehicles	time to do	cost pr hr	cost	cost per gallon	gallons used	propane cost	Totals
Set burner	Two man crew		1	\$100.00	\$100.00			
Re-tank burner	Two man crew		1	\$100.00	\$100.00			
Remove burner	Two man crew		1	\$100.00	\$100.00			
Total Labor					\$300.00			
Labor Loading @ 78.604%					\$235.81			
Labor w/Loading					\$535.81			\$535.81
Vehicle & Equipment	(2 trucks) the Stafford truck and the Leads truck		2	\$55.00	\$110.00			\$110.00
Propane Cost						\$2.72	22.5	\$61.20
Costs (before E&S)					\$707.01			\$707.01
E&S cost @ 25.00%					\$176.75			\$176.75
Total Cost					\$883.77			\$883.77

* Please note, 90% of all burners are set after January 1st.

Before and after January Costs	Percentage		
\$635.01	10%	\$63.50	
\$883.77	90%	\$795.39	
		\$858.89	

Billing Labor	\$10.00	Billing Labor	\$10.00
Producing Bill	\$0.53	Producing Bill	\$0.10
Postage	\$0.73	Postage	\$0.39
Total Cost of a Burner	\$870.15		

2024 Assumptions
 20 lb tank = 5 gallons
 Price per gallon comes from average cost Rice Street pd to fill its bulk tank over the winter 2023/2024.

Info from Farrell Gas on costs

3/4/2024	2.769
2/13/2024	2.769
1/24/2024	2.739
1/11/2024	2.699
11/1/2024	2.599
Total	13.575

Average Cost 2.72 Average Winter Propane Costs

2024 Winter Construction Per foot Charge

Winter Construction billed for in Winter of 2023

Average Cost per Foot Winter 2023 Service:	\$48.78
Average Cost per Foot Non-Winter Months †	\$30.61
Difference for Winter Construction	\$18.17

2024 Updates to Charges

Winter Construction Service primary or secondary distribution	Tariff					
	Current Electric Charges		Updated Costs		Proposed Tariff Charge	
	\$640.00	per thaw unit	\$870.27	per thaw unit	\$870.00	per thaw unit
		plus per trench foot	\$18.17	plus per trench foot	\$18.00	per foot

South Dakota Dedicated Switching Cost Analysis

	Normal 2024 \$ \$/hour	Overtime Mon-Sat x 1.5 2024 \$/hour	Overtime Sun-Fed Holidays x 2.0 2024 \$/hour
Dispatching labor cost	\$ 43.07	\$ 64.61	\$ 129.21
Troubleman labor	\$ 554.59	\$ 596.55	\$ 795.40
Administrative @ 5% of Troubleman labor	\$ 27.73	\$ 29.83	\$ 39.77
Sub total labor	\$ 625.39	\$ 690.98	\$ 964.38
Trucks	\$ 111.16	\$ 111.16	\$ 111.16
Total Trouble Costs	\$ 736.55	\$ 802.14	\$ 1,075.54
Call Center labor cost per call	\$ 2.06	\$ 2.06	\$ 2.06
Producing bill	\$ 0.53	\$ 0.53	\$ 0.53
Postage for bill	\$ 0.73	\$ 0.73	\$ 0.73
Total Billing Costs	\$ 3.32	\$ 3.32	\$ 3.32
TOTAL COSTS	\$ 739.87	\$ 805.46	\$ 1,078.86

TARIFF	Charge per hour		
Requested Appointment Date	Tariff \$	2024 \$	Proposed 2025 \$
Monday through Saturday	\$ 300.00	\$ 805.46	\$ 800.00
Sunday and federally observed holidays	\$ 400.00	\$ 1,078.86	\$ 1,000.00

Labor	p/hour Loaded
Straight time/hour	78.60%
\$ 72.45	\$ 129.40
\$ 80.97	\$ 144.62
Troubleman Overtime @ 1.5x	
Hourly rate @ 1.5x	\$ 216.93
Troubleman Overtime @ 2.0x	
Hourly rate @ 2.0x	\$ 289.24

Time for Avg Dedicated Switch Call	
Task	Minutes
Dispatch tasks	
Scheduling	20
Troubleman tasks	
Drive to site	40
Drive from/to next site	35
Site work	90
Total	165

Trucks Analysis	
Monthly lease	\$ 6,992.80
Monthly hours	173
Hourly cost	\$ 40.42