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	Distribution Cost - 2024	Secondary	Primary	Transmission Transformed	Total
1	Sec - Line 35	\$1,779	\$0		\$1,779
2	Pri - Line 34	\$5,169	\$1,403		\$6,572
3	Sub - Line 33	\$2,578	\$625		\$3,202
4	Total	\$9,526	\$2,028	\$0	\$11,553

Billing KW

5	Sec	3,088			3,088
6	Pri	3,088	529		3,616
7	Sub	3,088	529		3,616

Losses

8	Sec	1.0000			
9	Pri	1.0210	1.0000		
10	Sub	1.0423	1.0209	1.0000	

Billing KW with Losses

11	Sec	3,088			3,088
12	Pri	3,152	529		3,681
13	Sub	3,218	540	0	3,758

Cost per kW - 2024

14	Sec (1) / (11)	\$0.58			\$0.58	(a)
15	Pri (2) / (12)	\$1.67	\$2.65		\$1.79	(b)
16	Sub (3) / (13)	\$0.83	\$1.18		\$0.85	(c)

Demand Voltage Discount

	2024 Cost	Present	Proposed
Primary (a)	\$0.58	\$0.65	\$0.60
Tr Transformed (a) + (b)	\$2.36	\$1.90	\$2.10
Transmission (a) + (b) + (c)	\$3.21	\$2.70	\$3.00

Northern States Power Company
State of South Dakota Electric Jurisdiction
Voltage Discount Analysis
Energy Charge

Docket No. EL25-____
Exhibit____(NNP-1), Schedule 7
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	Secondary	Primary	Transmission Transformed	Transmission
1 Loss Difference	0.00%	2.38%	3.81%	5.39%
Proposed General Service - per kWh				
2 Base Energy and Fuel	8.491 ¢	8.288 ¢	8.167 ¢	8.033 ¢
Proposed Energy Voltage Discount - per kWh				
3 Discount from Secondary		0.203 ¢	0.324 ¢	0.458 ¢
Present Discounts		0.190 ¢	0.320 ¢	0.410 ¢
Proposed Discounts		0.200 ¢	0.320 ¢	0.430 ¢