

Northern States Power Company
South Dakota Electric
Outdoor Lighting Schedules

Line No.	OUTDOOR LIGHTING	BILLING DETERMINANTS (A)	PRESENT RATES (B)	PRESENT REVENUE (C)	FINAL RATES (D)	FINAL REVENUE (E)
1	Automatic Protective Lighting Service (E12)					
2	Area Units					
3	100W High Pressure Sodium	8,170 Units	\$ 7.93	\$ 64,788	\$ 9.28	\$ 75,818
4	175W Mercury	3,094 Units	7.93	24,535	9.28	28,712
5	250W High Pressure Sodium	677 Units	14.14	9,573	16.50	11,171
6	400W Mercury	196 Units	14.14	2,771	16.50	3,234
7	Directional Units					
8	250W High Pressure Sodium	2,809 Units	15.70	44,101	18.34	51,517
9	400W Mercury	252 Units	15.70	3,956	18.34	4,622
10	400W High Pressure Sodium	8,825 Units	19.69	173,764	22.96	202,622
11	Fuel Clause Rider (Lighting) - Summer	648,954 kWh	0.01952	12,665	0.02261	14,674
12	Fuel Clause Rider (Lighting) - Winter	1,818,563 kWh	0.01578	28,695	0.02088	37,972
13	Transmission Cost Rider	2,467,517 kWh	0.00361	8,908	-	-
14	Demand Side Management Rider	2,467,517 kWh	0.00053	1,308	0.00053	1,308
15	Infrastructure Rider	2,467,517 kWh	0.01544	38,098	(0.00510)	(12,584)
16	TOTAL:			\$ 413,162		\$ 419,066
17						
18	Street Lighting System Service (E30)					
19	Overhead					
20	100W High Pressure Sodium	0 Lum	\$ 14.06	\$ -	\$ 14.48	\$ -
21	150W High Pressure Sodium	0 Lum	16.00	-	16.42	-
22	250W High Pressure Sodium	0 Lum	20.68	-	21.12	-
23	400W High Pressure Sodium	0 Lum	25.45	-	25.86	-
24	30-40W Light Emitting Diode	18,391 Lum	14.25	262,072	14.77	271,635
25	50-75W Light Emitting Diode	3,427 Lum	16.16	55,380	16.73	57,334
26	110-165W Light Emitting Diode	1,969 Lum	21.41	42,156	22.07	43,456
27	200-250W Light Emitting Diode	0 Lum	26.84	-	27.60	-
28	Underground					
29	100W High Pressure Sodium	3,804 Lum	23.16	88,101	23.94	91,068
30	150W High Pressure Sodium	24 Lum	25.23	606	26.01	624
31	250W High Pressure Sodium	0 Lum	30.21	-	31.03	-
32	30-40W Light Emitting Diode	10,996 Lum	23.35	256,757	24.23	266,433
33	50-75W Light Emitting Diode	721 Lum	25.39	18,306	26.33	18,984
34	110-165W Light Emitting Diode	264 Lum	30.94	8,168	31.98	8,443
35	Decorative Underground					
36	100W High Pressure Sodium	360 Lum	31.15	11,214	32.20	11,592
37	150W High Pressure Sodium	0 Lum	32.66	-	33.69	-
38	250W High Pressure Sodium	145 Lum	39.84	5,777	41.04	5,951
39	Fuel Clause Rider (Lighting) - Summer	209,988 kWh	0.01952	4,098	0.02261	4,748
40	Fuel Clause Rider (Lighting) - Winter	593,233 kWh	0.01578	9,361	0.02088	12,387
41	Transmission Cost Rider	803,221 kWh	0.00361	2,900	-	-
42	Demand Side Management Rider	803,221 kWh	0.00053	426	0.00053	426
43	Infrastructure Rider	803,221 kWh	0.01544	12,402	(0.00510)	(4,096)
44	TOTAL:			\$ 777,724		\$ 788,985
45						
46	Street Lighting Energy Service (E31)					
47	Group 1					
48	175W Mercury	312 Lum	\$ 6.72	\$ 2,097	\$ 8.19	\$ 2,555
49	400W Mercury	0 Lum	11.81	-	15.13	-
50	70W High Pressure Sodium	0 Lum	4.32	-	4.90	-
51	100W High Pressure Sodium	36 Lum	5.03	181	5.88	212
52	150W High Pressure Sodium	360 Lum	6.09	2,192	7.33	2,639
53	250W High Pressure Sodium	805 Lum	8.78	7,068	11.01	8,863
54	400W High Pressure Sodium	264 Lum	12.24	3,231	15.74	4,155
55	1,000W High Pressure Sodium	0 Lum	25.04	-	33.24	-
56	Group 4					
57	39W Light Emitting Diode	1,164 Lum	1.20	1,397	1.46	1,699
58	30W Light Emitting Diode	180 Lum	0.92	166	1.22	220
59	36W Light Emitting Diode	756 Lum	1.11	839	1.38	1,043
60	70W High Pressure Sodium	12 Lum	2.02	24	2.60	31
61	100W High Pressure Sodium	70,508 Lum	2.68	188,961	3.54	249,598
62	150W High Pressure Sodium	780 Lum	3.79	2,956	5.03	3,923
63	250W High Pressure Sodium	2,006 Lum	6.48	12,999	8.71	17,472
64	400W High Pressure Sodium	216 Lum	9.94	2,147	13.44	2,903
65	Metered Ornamental Energy Charge	814,721 kWh	0.05999	48,875	0.08092	65,927
66	Fuel Clause Rider (Lighting) - Summer	1,056,381 kWh	0.01952	20,616	0.02261	23,887
67	Fuel Clause Rider (Lighting) - Winter	3,145,401 kWh	0.01578	49,631	0.02088	65,676
68	Transmission Cost Rider	4,201,782 kWh	0.00361	15,168	-	-
69	Demand Side Management Rider	4,201,782 kWh	0.00053	2,227	0.00053	2,227
70	Infrastructure Rider	4,201,782 kWh	0.01544	64,876	(0.00510)	(21,429)
71	TOTAL:			\$ 425,651		\$ 431,601
72						
73	Street Lighting Energy Service - Metered (E32)					
74	Customer Charge	3,523 Meter	\$ 5.00	\$ 17,615	\$ 5.05	\$ 17,791
75	Energy Charge	6,299,777 kWh	0.05699	359,024	0.07792	490,879
76	Fuel Clause Rider (Lighting) - Summer	1,635,050 kWh	0.01952	31,910	0.02261	36,972
77	Fuel Clause Rider (Lighting) - Winter	4,664,727 kWh	0.01578	73,605	0.02088	97,399
78	Transmission Cost Rider	6,299,777 kWh	0.00361	22,742	-	-
79	Demand Side Management Rider	6,299,777 kWh	0.00053	3,339	0.00053	3,339
80	Infrastructure Rider	6,299,777 kWh	0.01544	97,269	(0.00510)	(32,129)
81	TOTAL:			\$ 605,504		\$ 614,251