

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	<b>Automatic Protective Lighting Service (E12)</b>					
2	Area Units					
3	100W High Pressure Sodium	8,112 Units	\$ 9.28	\$ 75,279	\$ 10.52	\$ 85,338
4	175W Mercury	2,744 Units	9.28	25,464	10.52	28,867
5	250W High Pressure Sodium	633 Units	16.50	10,445	18.72	11,850
6	400W Mercury	181 Units	16.50	2,987	18.72	3,388
7	Directional Units					
8	250W High Pressure Sodium	2,898 Units	18.34	53,149	20.80	60,278
9	400W Mercury	240 Units	18.34	4,402	20.80	4,992
10	400W High Pressure Sodium	9,084 Units	22.96	208,569	26.07	236,820
11	Fuel Clause Rider (Lighting) - Summer	624,790 kWh	0.01874	11,708	0.02068	12,922
12	Fuel Clause Rider (Lighting) - Winter	1,855,580 kWh	0.01830	33,961	0.02020	37,491
13	Transmission Cost Rider	2,480,370 kWh	0.00054	1,341	-	-
14	Demand Side Management Rider	2,480,370 kWh	-	-	-	-
15	Infrastructure Rider	2,480,370 kWh	0.00822	20,395	-	-
16	TOTAL:			\$ 447,700		\$ 481,946
17						
18	<b>Street Lighting System Service (E30)</b>					
19	Overhead					
20	100W High Pressure Sodium	0 Lum	\$ 14.48	\$ -	16.45	\$ -
21	150W High Pressure Sodium	0 Lum	16.42	-	18.66	-
22	250W High Pressure Sodium	0 Lum	21.12	-	24.01	-
23	400W High Pressure Sodium	0 Lum	25.86	-	29.43	-
24	30-40W Light Emitting Diode	18,503 Lum	14.77	273,289	16.76	310,110
25	50-75W Light Emitting Diode	3,888 Lum	16.73	65,046	19.00	73,872
26	110-165W Light Emitting Diode	1,915 Lum	22.07	42,264	25.06	47,990
27	200-250W Light Emitting Diode	0 Lum	27.60	-	31.36	-
28	Underground					
29	100W High Pressure Sodium	348 Lum	23.94	8,331	27.18	9,459
30	150W High Pressure Sodium	0 Lum	26.01	-	29.53	-
31	250W High Pressure Sodium	0 Lum	31.03	-	35.26	-
32	30-40W Light Emitting Diode	16,338 Lum	24.23	395,870	27.49	449,132
33	50-75W Light Emitting Diode	2,770 Lum	26.33	72,934	29.89	82,795
34	110-165W Light Emitting Diode	265 Lum	31.98	8,475	36.30	9,620
35	Decorative Underground					
36	100W High Pressure Sodium	408 Lum	32.20	13,138	36.50	14,892
37	150W High Pressure Sodium	0 Lum	33.69	-	38.20	-
38	250W High Pressure Sodium	144 Lum	41.04	5,910	46.61	6,712
39	Fuel Clause Rider (Lighting) - Summer	187,245 kWh	0.01874	3,509	0.02068	3,873
40	Fuel Clause Rider (Lighting) - Winter	585,033 kWh	0.01830	10,707	0.02020	11,820
41	Transmission Cost Rider	772,277 kWh	0.00054	417	-	-
42	Demand Side Management Rider	772,277 kWh	-	-	-	-
43	Infrastructure Rider	772,277 kWh	0.00822	6,350	-	-
44	TOTAL:			\$ 906,240		\$ 1,020,275
45						
46	<b>Street Lighting Energy Service (E31)</b>					
47	70W High Pressure Sodium	0 Lum	\$ 4.90	\$ -	5.34	\$ -
48	100W High Pressure Sodium	36 Lum	5.88	212	6.51	234
49	150W High Pressure Sodium	360 Lum	7.33	2,639	8.25	2,970
50	250W High Pressure Sodium	684 Lum	11.01	7,531	12.66	8,659
51	400W High Pressure Sodium	264 Lum	15.74	4,155	18.33	4,839
52	1000W High Pressure Sodium	0 Lum	33.24	-	39.33	-
53	175W Mercury	312 Lum	8.19	2,555	9.28	2,895
54	400W Mercury	0 Lum	15.13	-	17.62	-
55	39W Light Emitting Diode	323 Lum	1.51	489	1.67	540
56	40W Light Emitting Diode	36 Lum	1.55	56	1.70	61
57	160W Light Emitting Diode	840 Lum	6.21	5,216	5.59	4,696
58	250W Light Emitting Diode	12 Lum	9.70	116	8.51	102
59	30W Light Emitting Diode	18,277 Lum	1.16	21,281	1.38	25,222
60	36W Light Emitting Diode	180 Lum	1.40	252	1.57	283
61	18W Light Emitting Diode	328 Lum	0.70	229	0.99	325
62	42W Light Emitting Diode	564 Lum	1.63	919	1.77	998
63	27W Light Emitting Diode	24 Lum	1.05	25	1.28	31
64	29W Light Emitting Diode	4,806 Lum	1.13	5,409	1.35	6,488
65	48W Light Emitting Diode	12 Lum	1.86	22	1.96	24
66	60W Light Emitting Diode	204 Lum	2.33	475	2.35	479
67	100W Light Emitting Diode	24 Lum	3.88	93	3.65	88
68	90W Light Emitting Diode	48 Lum	3.49	168	3.32	159
69	25W Light Emitting Diode	25,178 Lum	0.97	24,430	1.22	30,717
70	94W Light Emitting Diode	511 Lum	3.65	1,865	3.45	1,763
71	56W Light Emitting Diode	60 Lum	2.17	130	2.22	133
72	62W Light Emitting Diode	252 Lum	2.41	606	2.42	610
73	124W Light Emitting Diode	84 Lum	4.81	404	4.42	371
74	75W Light Emitting Diode	12 Lum	2.91	35	2.84	34
75	155W Light Emitting Diode	257 Lum	6.02	1,546	5.43	1,395
76	70W High Pressure Sodium	0 Lum	2.60	-	3.04	-
77	100W High Pressure Sodium	27,348 Lum	3.54	96,812	4.17	114,041
78	150W High Pressure Sodium	96 Lum	5.03	483	5.95	571
79	250W High Pressure Sodium	420 Lum	8.71	3,659	10.36	4,352
80	400W High Pressure Sodium	228 Lum	13.44	3,064	16.03	3,655
81	Fuel Clause Rider (Lighting) - Summer	450,278 kWh	0.01874	8,438	0.02068	9,313