

All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the all-night service option are shown below.

For New and Existing Installations:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
High Pressure Sodium:														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$15.56
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	15.56
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	20.69
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	29.26
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	29.98
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	30.32
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	48.66
Metal Halide:														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$16.23
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	22.21
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	30.48
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	31.12
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	31.12
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	31.41
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	47.08
Light Emitting Diode (LED):														
2,500	28	12	10	10	8	7	6	7	8	9	10	11	12	\$10.27
4,100	36	15	13	12	10	9	8	9	10	11	13	14	16	10.25
4,800	51	21	18	17	15	13	12	13	14	16	19	20	22	10.41
8,500	92	39	32	31	26	24	21	23	26	29	34	37	40	11.45
13,300	142	60	50	49	41	36	33	35	40	45	53	57	61	12.65
24,500	220	93	77	75	63	57	51	55	62	70	82	88	95	15.86

For Existing Installations Only:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
Incandescent:														
600	105	44	37	36	30	27	24	26	30	33	39	42	45	\$8.96
1,000	105	44	37	36	30	27	24	26	30	33	39	42	45	10.00
2,500	205	86	72	70	59	53	47	51	58	65	76	82	89	12.84
6,000	448	189	157	153	128	115	103	111	127	142	167	179	194	22.05

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 Joseph A. Purington

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Title: President, NH Electric Operations

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly Distribution</u>
<u>Light Output</u>	<u>Power Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
Mercury:														
3,500	100	49	41	40	34	30	27	29	33	37	44	47	51	\$13.72
7,000	175	86	72	70	59	53	47	51	58	65	76	82	89	16.51
11,000	250	123	102	100	84	75	67	72	83	92	109	117	126	20.41
15,000	400	191	159	155	130	116	104	112	128	143	168	181	196	23.35
20,000	400	191	159	155	130	116	104	112	128	143	168	181	196	25.21
56,000	1,000	455	379	370	309	278	249	268	306	342	402	432	468	40.07
Fluorescent:														
20,000	330	139	115	113	94	85	76	82	93	104	123	132	143	\$34.19
High Pressure Sodium in Existing Mercury Luminaires:														
12,000	150	76	63	62	52	46	42	45	51	57	67	72	78	21.40
34,200	360	174	145	141	118	106	95	102	117	130	154	165	179	27.39

The 15,000 Lumen Mercury fixture is fitted with a 20,000 lumen lamp. The 600 Lumen Incandescent fixture is fitted with a 1,000 lumen lamp.

Midnight Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the midnight service option are shown below.

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly Distribution</u>
<u>Light Output</u>	<u>Power Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
High Pressure Sodium:														
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$15.56
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	15.56
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	20.69
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	29.26
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	29.98
50,000	400	100	82	70	56	50	43	45	54	64	79	100	106	30.32
130,000	1,000	234	192	165	132	116	100	106	127	151	186	235	248	48.66
Metal Halide:														
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$16.23
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	22.21
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	30.48
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	31.12
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	31.12
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	31.41
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	47.08

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<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
Light Emitting Diode (LED):														
2,500	28	6	5	4	3	3	3	3	3	4	5	6	6	\$10.27
4,100	36	8	6	5	4	4	3	3	4	5	6	8	8	10.25
4,800	51	11	9	8	6	5	5	5	6	7	9	11	12	10.41
8,500	92	20	16	14	11	10	8	9	11	13	16	20	21	11.45
13,300	142	30	25	21	17	15	13	14	16	20	24	30	32	12.65
24,500	220	47	39	33	26	23	20	21	26	30	37	47	50	15.86

MODIFICATION OF SERVICE OPTION

Municipal and state roadway lighting Customers may request a modification of service from the all-night service option to the midnight service option during the calendar months of January and February of each year, otherwise known as the open enrollment period. Requests received from municipal and state roadway lighting Customers after the open enrollment period shall be implemented during the subsequent open enrollment period, unless the Company determines that it is feasible and practicable to implement the request prior to the subsequent enrollment period. All other Customers may request a modification of service from the all-night service option to the midnight service option at any time. Customers requesting a modification of service from the all-night service option to the midnight service option are responsible to pay to the Company the installed cost of any additional equipment required to provide service under the midnight service option. The installed cost includes the cost of the additional equipment, labor, vehicles and overheads. The Customer is responsible to pay such costs prior to the installation of the equipment. If such a request is made concurrent with the Company’s existing schedule for lamp replacement and maintenance, the Customer is responsible to pay to the Company the cost of any additional equipment required, including overheads. The Customer is responsible to pay such costs prior to the installation of the equipment.

Customers requesting a modification of service from the midnight service option to the all-night service option are responsible to pay to the Company the installation cost of the equipment required to provide service under the all-night service option. The installation cost includes the cost of labor, vehicles and overheads. The Customer is responsible to pay such costs prior to the installation of the equipment. If such a request is made concurrent with the Company’s existing schedule for lamp replacement and maintenance, no additional costs are required to modify service from the midnight service option to the all-night service option.

The Company will utilize fixed price estimates per luminaire for the installed cost, the additional equipment cost and the equipment installation cost and will update the fixed price estimates per luminaire each year based upon current costs. In the event traffic control is required during a modification of service option or for equipment repair, the Customer is responsible to coordinate and to provide traffic control and to pay all costs associated with traffic control. In the event the Customer is a residential or General Delivery Service Rate G Customer, the Company may coordinate and provide traffic control on the Customer’s behalf and the Customer shall reimburse the Company for all costs associated with the traffic control provided by the Company. The scheduling of work associated with the modification of a service option will be made at the Company’s discretion with consideration given to minimizing travel and set-up time.

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LEAP YEAR ADJUSTMENT TO ENERGY

During any leap year, the energy (kilowatt-hour) usage during the month of February for all fixtures shall be increased by 3.4 percent for the purpose of determining total energy charges under this rate.

CONTRACT TERM

The contract term for outdoor area lighting shall be for not less than one year.

MAINTENANCE

The Company shall exercise reasonable diligence to ensure that all street and highway lamps are burning and shall make replacements promptly when notified of outages. Lamp replacement, maintenance and cleaning of street and highway lighting fixtures will normally be performed on a periodic basis in accordance with generally accepted utility practices and consistent with any manufacturer's recommendations. Lamp replacement and maintenance of outdoor area lighting will be performed as soon as possible following notification by the Customer of the need for such service, but the Company shall not be required to perform any such replacement or maintenance except during regular working hours.

NEW INSTALLATIONS, EXTENSIONS AND REPLACEMENTS

New installations, extensions and replacements using overhead wiring, a standard fixture, an all-night service option photocell and located upon existing poles of the Company, shall be made at the expense of the Company.

Except for the excess costs of underground facilities to be apportioned as set forth in the provisions for underground electric distribution facilities specified in the Company's "Information and Requirements for Electric Supply", any costs incurred in connection with new installations, extensions and replacements which exceed the costs of a standard outdoor lighting fixture equipped with an all-night service option photocell located on existing poles with overhead wiring shall be borne by the Customer. Such excess costs shall be paid as a lump sum prior to the installation of the equipment.

In the case of new installations, extensions and replacements which make use of underground conductors for supply and distribution and/or of standards or poles employed exclusively for lighting purposes, the Company reserves the right to require the Customer to furnish, own, and maintain such underground supply and distribution facilities and/or the standards or poles.

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which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatt-hours used for billing purposes shall be the amount specified for the calendar month in which the later meter read date occurred for service rendered under the metered Rate Schedule.

All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each fixture served under the all-night service option are shown below.

<u>Lamp Nominal</u>		<u>Monthly KWH per Fixture</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
<u>High Pressure Sodium:</u>														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$6.34
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	6.65
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	7.07
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	7.73
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	8.96
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	10.66
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	17.33
<u>Metal Halide:</u>														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$6.67
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	7.01
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	7.74
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	7.91
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	8.78
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	10.49
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	17.15

LED's and other technologies accepted by the Company:

	<u>Per</u>	<u>Per</u>
	<u>Fixture</u>	<u>Watt</u>
Monthly Distribution Rates	\$3.24	\$0.01058

Monthly KWH per Fixture will be calculated to the nearest whole (1.0) KWH as follows:
 Total Fixture Wattage divided by 1,000 times the monthly hours of operation below

<u>Monthly Hours of Operation</u>											
<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
421	350	342	286	257	230	248	283	316	372	399	433

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Midnight Service Option:

The monthly kilowatt-hours and distribution rates for each fixture served under the midnight service option are shown below.

Lamp Nominal Light Output Lumens	Power Rating Watts	Monthly KWH per Fixture												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
High Pressure Sodium:														
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$6.34
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	6.65
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	7.07
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	7.73
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	8.96
50,000	400	100	82	70	56	50	43	45	54	64	79	100	106	10.66
130,000	1,000	234	192	165	132	116	100	106	127	151	186	235	248	17.33
Metal Halide:														
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$6.67
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	7.01
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	7.74
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	7.91
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	8.78
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	10.49
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	17.15

LED's and other technologies accepted by the Company:

	Per Fixture	Per Watt
Monthly Distribution Rates	\$3.24	\$0.01058

Monthly KWH per Fixture will be calculated to the nearest whole (1.0) KWH as follows:

Total Fixture Wattage divided by 1,000 times the monthly hours of operation below

Monthly Hours of Operation											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
213	175	150	120	106	91	97	116	138	170	214	226

LEAP YEAR ADJUSTMENT TO ENERGY

During any leap year, the energy (Kilowatt-hour) usage during the month of February for all fixtures shall be increased by 3.4 percent for the purpose of determining total energy charges under this rate.

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OUTDOOR LIGHTING DELIVERY SERVICE RATE OL

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this rate is for the following applications:

- (a) unmetered street and highway lighting provided to municipalities, state highway departments, and other governmental bodies;
- (b) unmetered outdoor area lighting for private yards, parking lots, private roads, and other off-street applications.

All-night outdoor lighting service on an annual basis totaling approximately 4,3453,937 hours of operation per year and midnight outdoor lighting service on an annual basis totaling approximately 2,0051,816 hours of operation per year shall be provided for under this rate.

RATE PER MONTH

Energy Charge:

Per Kilowatt-Hour

Transmission Charge 2.058¢

Stranded Cost Recovery..... 1.990¢

Regulatory Reconciliation Adjustment..... (0.056)¢

In addition to the energy charges above, Customers shall be assessed a monthly Distribution Rate per luminaire. The Distribution Rate includes, among other costs, the cost of the fixture and bracket. The energy charge shall be applied to the monthly kilowatt-hours specified below for the applicable fixture and service option. For outdoor lighting charges which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatt-hours used for billing purposes shall be the amount specified for the calendar month in which the meter read date occurred for service rendered under the metered Rate Schedule.

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Effective: ~~February-August~~ August 1, 2021

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All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the all-night service option are shown below.

For New and Existing Installations:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>													<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	
<u>High Pressure Sodium:</u>														
4,000	50	2724	2320	2220	1917	1615	1613	1614	1816	2118	2322	2423	2725	\$15.56
5,800	70	4036	3430	3230	2925	2422	2320	2421	2724	3127	3532	3735	4037	15.56
9,500	100	5953	5044	4743	4236	3533	3429	3531	3936	4640	5147	5351	5955	20.69
16,000	150	8880	7466	7065	6254	5349	5143	5347	5953	6860	7670	7975	8882	29.26
30,000	250	142128	120107	113104	101878	85788	82708	85769	95861	109612	123114	128122	142132	29.98
50,000	400	217196	183163	173159	154133	130120	126107	130116	144132	168147	188173	196186	217202	30.32
130,000	1,000	510462	430384	408375	362314	306282	296252	306272	340310	395347	442408	460438	510475	48.66

Metal Halide:

5,000	70	4137	3531	3330	2925	2523	2420	2522	2825	3228	3633	3635	3738	\$16.23
8,000	100	5651	4742	4541	4035	3431	3328	3430	3834	4438	4945	4948	5653	22.21
13,000	150	8880	7466	7165	6354	5349	5144	5347	5954	6860	7771	7776	8882	30.48
13,500	175	9687	8172	7771	6859	5753	5647	5751	6458	7465	8377	8782	9689	31.12
20,000	250	134121	113101	107989	958280	747866	807189	811049	116107	121115	134125	131.12		
36,000	400	209190	176158	167154	149129	126116	122104	126112	140127	162142	181167	189180	209195	31.41
100,000	1,000	502455	423378	402369	356309	301278	292248	301268	335306	389341	435402	454431	502468	47.08

Light Emitting Diode (LED):

2,500	28	1312	1110	10	98	87	86	87	98	109	1110	1211	1312	\$10.27
4,100	36	1715	1413	1312	1210	109	108	109	1110	1311	1513	1514	1716	10.25
4,800	51	2421	2018	1917	1715	1413	1412	1413	1614	1816	2119	2120	2422	10.41
8,500	92	4339	3632	3431	3026	2624	2521	2623	2926	3329	3734	3937	4340	11.45
13,300	142	6660	5650	5349	4741	4036	3833	4035	4440	5145	5753	6057	6661	12.65
24,500	220	10293	8677	8275	7363	6157	5951	6155	6862	7970	8982	9288	10295	15.86

For Existing Installations Only:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>													<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	
<u>Incandescent:</u>														
600	105	4944	4137	3936	3530	2927	2824	2926	3330	3833	4239	4442	4945	\$8.96
1,000	105	4944	4137	3936	3530	2927	2824	2926	3330	3833	4239	4442	4945	10.00
2,500	205	9586	8072	7670	6859	5753	5547	5751	6458	7465	8376	8682	9589	12.84
6,000	448	208189	176157	167153	148128	125115	121103	125111	139127	161142	181167	188179	208194	22.05

Issued: ~~February 4~~June 1, 2021

Issued by: /s/ Joseph A. Purington
 Joseph A. Purington

Effective: ~~January~~August 1, 2021

Title: President, NH Electric Operations

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Distribution</u>
<u>Output</u>	<u>Rating</u>													<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
Mercury:														
3,500	100	5449	4641	4440	3934	3330	3227	3329	336	4237	4744	4947	5451	\$13.72
7,000	175	9586	8072	7670	6859	5753	5547	5751	6458	7465	8376	8682	9589	16.51
11,000	250	136123	114102	109109	96848	7579	6784	729	483	40592	418109	423117	136126	
20.41														
15,000	400	211191	178159	169155	149130	126116	122104	126112	140128	163143	183168	190181	211196	23.35
20,000	400	211191	178159	169155	149130	126116	122104	126112	140128	163143	183168	190181	211196	25.21
56,000	1,000	455503	379424	370403	309357	278302	249292	268302	306335	342390	402436	432454	468503	40.07

Fluorescent:														
20,000	330	453139	115291	12394	109859	27689	89293	102104	191233	1329	1453			\$34.19
High Pressure Sodium in Existing Mercury Luminaires:														
12,000	150	7684	6374	627	529	4650	429	4550	516	5765	6773	726	7884	21.40
34,200	360	17492	14562	14154	11836	106159	112102	1511728	13049	15466	16573			17992
27.39														

The 15,000 Lumen Mercury fixture is fitted with a 20,000 lumen lamp. The 600 Lumen Incandescent fixture is fitted with a 1,000 lumen lamp.

Midnight Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the midnight service option are shown below.

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Distribution</u>
<u>Output</u>	<u>Rating</u>													<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
High Pressure Sodium:														
4,000	50	4412	4110	9	107	76	65	6	7	98	110	1312	1413	\$15.56
5,800	70	2018	1615	13	1510	119	98	98	110	1312	1615	2019	2120	15.56
9,500	100	3027	2322	2019	2115	1613	1312	1412	1615	1918	2422	2827	3129	20.69
16,000	150	4440	3433	2928	3123	2420	2017	2118	2422	2826	3532	4240	4743	29.26
30,000	250	7165	5654	4746	5137	3832	3228	3330	3836	4642	5752	6966	7669	29.98
50,000	400	109100	8582	7270	7756	5850	4943	5145	5854	7064	8779	105100	116106	30.32
130,000	1,000	255234	200192	170165	148132	136116	114151	100106	119127	143615	165186	204235	246248	48.66
Metal Halide:														
5,000	70	1920	16	1314	1145	911	89	910	1011	1213	1517	1920	2022	\$16.23
8,000	100	268	212	189	1520	135	113	123	145	178	213	267	2730	22.21
13,000	150	414	334	2930	2331	2024	1720	1821	224	268	326	413	437	30.48
13,500	175	448	368	312	2534	225	1922	202	246	2831	358	447	4751	31.12
20,000	250	617	502	435	3548	316	2630	2831	3336	4043	4954	6265	6571	31.12
36,000	400	96104	7982	6770	5474	4856	417	449	526	628	7684	96101	10211	31.41
100,000	1,000	23051	18996	16271	13078	11434	98114	105171	12534	162149	184201	243231	268244	47.08

Issued: ~~December 23~~June 1, 2021~~0~~

Issued by: /s/ Joseph A. Purington
Joseph A. Purington

Effective: ~~January-August~~August 1, 2021

Title: President, NH Electric Operations

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
<u>Light Emitting Diode (LED):</u>														
2,500	28	67	5	4	35	3	3	3	3	4	5	6	67	\$10.27
4,100	36	8	67	56	46	4	34	34	4	5	67	8	89	10.25
4,800	51	112	9	8	68	56	5	56	6	78	9	11	123	10.41
8,500	92	201	167	14	115	101	810	910	11	134	167	201	213	11.45
13,300	142	303	256	212	1723	158	135	145	168	201	246	302	325	12.65
24,500	220	4751	3940	334	2636	237	203	214	267	303	3741	4750	505	15.86

MODIFICATION OF SERVICE OPTION

Municipal and state roadway lighting Customers may request a modification of service from the all-night service option to the midnight service option during the calendar months of January and February of each year, otherwise known as the open enrollment period. Requests received from municipal and state roadway lighting Customers after the open enrollment period shall be implemented during the subsequent open enrollment period, unless the Company determines that it is feasible and practicable to implement the request prior to the subsequent enrollment period. All other Customers may request a modification of service from the all-night service option to the midnight service option at any time. Customers requesting a modification of service from the all-night service option to the midnight service option are responsible to pay to the Company the installed cost of any additional equipment required to provide service under the midnight service option. The installed cost includes the cost of the additional equipment, labor, vehicles and overheads. The Customer is responsible to pay such costs prior to the installation of the equipment. If such a request is made concurrent with the Company’s existing schedule for lamp replacement and maintenance, the Customer is responsible to pay to the Company the cost of any additional equipment required, including overheads. The Customer is responsible to pay such costs prior to the installation of the equipment.

Customers requesting a modification of service from the midnight service option to the all-night service option are responsible to pay to the Company the installation cost of the equipment required to provide service under the all-night service option. The installation cost includes the cost of labor, vehicles and overheads. The Customer is responsible to pay such costs prior to the installation of the equipment. If such a request is made concurrent with the Company’s existing schedule for lamp replacement and maintenance, no additional costs are required to modify service from the midnight service option to the all-night service option.

The Company will utilize fixed price estimates per luminaire for the installed cost, the additional equipment cost and the equipment installation cost and will update the fixed price estimates per luminaire each year based upon current costs. In the event traffic control is required during a modification of service option or for equipment repair, the Customer is responsible to coordinate and to provide traffic control and to pay all costs associated with traffic control. In the event the Customer is a residential or General Delivery Service Rate G Customer, the Company may coordinate and provide traffic control on the Customer’s behalf and the Customer shall reimburse the Company for all costs associated with the traffic control provided by the Company. The scheduling of work associated with the modification of a service option will be made at the Company’s discretion with consideration given to minimizing travel and set-up time.

Issued: December 23, June 1, 2021

Issued by: /s/ Joseph A. Purington
Joseph A. Purington

Effective: January-August 1, 2021

Title: President, NH Electric Operations

LEAP YEAR ADJUSTMENT TO ENERGY

During any leap year, the energy (kilowatt-hour) usage during the month of February for all fixtures shall be increased by 3.64 percent for the purpose of determining total energy charges under this rate.

CONTRACT TERM

The contract term for outdoor area lighting shall be for not less than one year.

MAINTENANCE

The Company shall exercise reasonable diligence to ensure that all street and highway lamps are burning and shall make replacements promptly when notified of outages. Lamp replacement, maintenance and cleaning of street and highway lighting fixtures will normally be performed on a periodic basis in accordance with generally accepted utility practices and consistent with any manufacturer's recommendations. Lamp replacement and maintenance of outdoor area lighting will be performed as soon as possible following notification by the Customer of the need for such service, but the Company shall not be required to perform any such replacement or maintenance except during regular working hours.

NEW INSTALLATIONS, EXTENSIONS AND REPLACEMENTS

New installations, extensions and replacements using overhead wiring, a standard fixture, an all-night service option photocell and located upon existing poles of the Company, shall be made at the expense of the Company.

Except for the excess costs of underground facilities to be apportioned as set forth in the provisions for underground electric distribution facilities specified in the Company's "Information and Requirements for Electric Supply", any costs incurred in connection with new installations, extensions and replacements which exceed the costs of a standard outdoor lighting fixture equipped with an all-night service option photocell located on existing poles with overhead wiring shall be borne by the Customer. Such excess costs shall be paid as a lump sum prior to the installation of the equipment.

In the case of new installations, extensions and replacements which make use of underground conductors for supply and distribution and/or of standards or poles employed exclusively for lighting purposes, the Company reserves the right to require the Customer to furnish, own, and maintain such underground supply and distribution facilities and/or the standards or poles.

Issued: ~~December 23~~ June 1, 2021

Issued by: /s/ Joseph A. Purington
Joseph A. Purington

Effective: ~~January-August~~ 1, 2021

Title: President, NH Electric Operations

ENERGY EFFICIENT OUTDOOR LIGHTING
DELIVERY SERVICE RATE EOL

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this unmetered rate is available to any federal, state, county, municipal or other governmental unit, or department or agency of the government. Service under this rate is for delivery and maintenance of street and area lighting service to fixtures utilizing high pressure sodium, metal halide, light emitting diode (“LED”) or other energy efficient technology accepted by the Company, for which the Customer has paid the installed cost of fixtures and brackets. It is available at the Customer’s option to those Customers who sign a Service Agreement to receive all of their street and area lighting service requirements under Rate EOL where feasible.

Customers choosing to convert from service under Outdoor Lighting Delivery Service Rate OL to service under Rate EOL must:

(a) contribute to the Company the remaining unexpired life of currently installed high pressure sodium and metal halide fixtures and brackets which the Customer wishes to remain in service on the date that service under this rate is initiated;

(b) contribute to the Company the cost of removal and remaining unexpired life of any street and area lighting fixtures and brackets as of the date that such fixtures are removed and replaced with energy efficient lighting technology in accordance with this Rate Schedule;

(c) pay the Company the installed cost for all new high pressure sodium and metal halide fixtures and brackets placed into service under this rate, and;

(d) furnish any fixtures utilizing other lighting technologies accepted by the Company, and pay either the Company or a private line contractor, as described under the “Additional Requirements” section below, for the installation of these fixtures.

The Company will perform all maintenance of lighting fixtures under this rate. The Company will hold title to all fixtures during the time they are installed.

All-night outdoor lighting service on an annual basis totaling approximately 4,3453,937 hours of operation per year and midnight outdoor lighting service on an annual basis totaling approximately 2,0051,816 hours of operation per year shall be provided for under this rate.

LIMITATIONS ON AVAILABILITY

The availability of this rate to any Customer is contingent upon the availability to the Company of personnel and/or other resources necessary to perform the conversion of existing fixtures in accordance with the time schedule specified in the Service Agreement.

Issued: ~~December 23~~ June 1, 2020-2021

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Joseph A. Purington

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Title: President, NH Electric Operations

which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatt-hours used for billing purposes shall be the amount specified for the calendar month in which the later meter read date occurred for service rendered under the metered Rate Schedule.

All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each fixture served under the all-night service option are shown below.

Lamp Nominal

Light Output <u>Lumens</u>	Power Rating <u>Watts</u>	Monthly KWH per Fixture												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>High Pressure Sodium:</u>														
4,000	50	247	203	202	179	156	136	146	168	182	223	234	257	\$6.34
5,800	70	364	304	302	259	224	203	214	247	273	325	357	374	6.65
9,500	100	539	445	437	364	335	293	315	369	406	475	513	559	7.07
16,000	150	808	667	657	546	495	435	475	539	608	706	759	828	7.73
30,000	250	1284	1072	1041	874	788	708	768	869	956	1101	1141	1228	8.96
50,000	400	1962	1716	1683	1597	1335	1203	1072	1163	1324	1476	1738	1869	20.17
130,000	1,000	4625	4038	4430	3754	4083	1436	2282	3062	2522	2962	2723	3063	43.86
		17.33												47.51
<u>Metal Halide:</u>														
5,000	70	374	315	303	259	235	204	225	258	283	336	357	384	\$6.67
8,000	100	516	427	415	354	314	283	304	348	384	459	485	536	7.01
13,000	150	808	667	657	546	495	445	475	549	608	717	768	828	7.74
13,500	175	879	728	717	596	537	475	517	586	657	778	827	896	7.91
20,000	250	1213	1014	1039	829	748	667	718	819	914	1071	1161	1253	8.78
36,000	400	1902	1587	1546	1294	1162	1042	1122	1261	1401	1622	1678	1809	19.52
		10.49												
100,000	1,000	4555	3784	4233	3694	4023	3093	3562	4783	5124	5892	6683	7304	43.15
		46.85												17.15

LED's and other technologies accepted by the Company:

	<u>Per</u>	<u>Per</u>
	<u>Fixture</u>	<u>Watt</u>
Monthly Distribution Rates	\$3.24	\$0.01058

Monthly KWH per Fixture will be calculated to the nearest whole (1.0) KWH as follows:

Total Fixture Wattage divided by 1,000 times the monthly hours of operation below

Monthly Hours of Operation											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
42165	35092	34272	286330	25779	2370	24879	283310	31660	372403	399420	43365

Issued: December 23, June 1, 2021

Issued by: /s/ Joseph A. Purington
Joseph A. Purington

Effective: August/January 1, 2021

Title: President, NH Electric Operations

Midnight Service Option:

The monthly kilowatt-hours and distribution rates for each fixture served under the midnight service option are shown below.

Lamp Nominal

Light Output Lumens	Power Rating Watts	Monthly KWH per Fixture												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>High Pressure Sodium:</u>														
4,000	50	124	104	9	740	67	56	6	7	89	104	123	134	\$6.34
5,800	70	1820	156	13	105	119	89	89	104	123	156	1920	204	6.65
9,500	100	2730	223	1920	1524	136	123	124	156	189	224	278	2934	7.07
16,000	150	404	334	289	2334	204	1720	1824	224	268	325	402	437	7.73
30,000	250	6574	546	467	3754	328	2832	303	368	426	527	669	6976	8.96
50,000	400	1009	825	702	5677	508	439	4554	548	6470	7987	1005	10646	10.66
130,000	1,000	23455	192200	16570	13284	11636	10045	10649	12736	15165	18620	423546	24872	17.33
<u>Metal Halide:</u>														
5,000	70	2019	16	134	115	944	89	940	104	123	157	1920	202	\$6.67
8,000	100	268	212	189	1520	135	113	123	145	178	213	267	2730	7.01
13,000	150	414	334	2930	2334	204	1720	1824	224	268	326	413	437	7.74
13,500	175	448	368	312	2534	225	1922	202	246	2834	358	447	4754	7.91
20,000	250	617	502	435	3548	316	2630	2834	336	403	4954	625	6574	8.78
36,000	400	96104	7982	6770	574	4856	417	449	526	628	7684	96104	10244	10.49
100,000	1,000	23054	18996	16271	13078	11344	9844	10547	12534	14962	18420	23143	24468	17.15

LED's and other technologies accepted by the Company:

	Per	Per
	<u>Fixture</u>	<u>Watt</u>
Monthly Distribution Rates	\$3.24	\$0.01058

Monthly KWH per Fixture will be calculated to the nearest whole (1.0) KWH as follows:

Total Fixture Wattage divided by 1,000 times the monthly hours of operation below

Monthly Hours of Operation											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2133	17582	1505	12065	10624	91405	97408	11624	13850	17086	21425	22648

LEAP YEAR ADJUSTMENT TO ENERGY

During any leap year, the energy (Kilowatt-hour) usage during the month of February for all fixtures shall be increased by 3.46 percent for the purpose of determining total energy charges under this rate.

Issued: ~~December 23~~ June 1, 2021

Issued by: /s/ Joseph A. Purington
Joseph A. Purington

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