



**AGENDA**  
**LEBANON ENERGY ADVISORY COMMITTEE (LEAC)**  
**THURSDAY, June 18, 2020 - 3:00PM**  
**REMOTE VIA MICROSOFT TEAMS**  
[LebanonNH.gov/Live](https://lebanonnh.gov/Live)

- 1. CALL TO ORDER – Check-in & Preliminaries**
- 2. ACCEPTANCE OF MINUTES:**
  - May 21, 2020
- 3. UPDATES & ISSUES in ONGOING PROJECTS:**
  - a. Energy & Facilities Manager Updates (see attached)
  - b. EV Subcommittee
  - c. City Solar Phase 1 and Phase 2
  - d. LED Streetlight Conversion Project – Settlement in [DE 19-064](#). (Please see attached “Pages From” the Settlement Attachments consisting of the 3 Outdoor lighting Tariffs – Rates M, LED-1 and LED-2, plus the EV, Battery Pilot and Rate Summary pages. The two LED rates are new and LED-2 incorporates the terms of the proposed special contract for the City.
  - e. Lebanon Community Power (LCP) & CPNH
- 4. REVIEW POSSIBLE IMPLICATIONS OF LOCATIONAL VALUE OF SOLAR STUDY FOR GROWTH ALONG ROUTE 120/DHMC**
- 5. PUC GRID MOD [ORDER](#) & DATA DOCKETS**
- 6. OTHER & OPEN TO THE PUBLIC**
- 7. REPORTS & NOTICES of energy related Conferences, Webinars, & Events**
- 8. FUTURE AGENDA ITEMS**
- 9. NEXT MEETING DATE:**
  - Thursday, July 16, 2020
- 10. ADJOURNMENT.**

Any person with a disability who wishes to attend this public meeting and needs additional accommodations, please contact the ADA coordinator at City Hall by calling 448-4220 at least 72 hours in advance so that the City can make any necessary arrangements.

*This agenda is available on the City's website at [www.lebanonnh.gov](http://www.lebanonnh.gov).*



**CITY OF LEBANON**  
Energy and Facilities Management  
193 Dartmouth College Highway  
Lebanon, NH 03766  
office: (603) 442-6140 cell: (603) 678-1007  
[www.lebanonnh.gov/Energy](http://www.lebanonnh.gov/Energy)

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## Energy and Facilities Report, June 15<sup>th</sup>, 2020

### Solar

EFM and the LEAC Solar Subcommittee have been reviewing potential sites for the City's Phase 2 solar project. These include the landfill, airport, City Hall, and a site behind Rhymes Propane on the Miracle Mile. We are still working through issues of how the power will be used in conjunction with the landfill gas-to-energy plant and Lebanon Community Power.

There have been some problems with PD radio interference from the solar arrays on the police station and landfill maintenance building. EFM, PD and ReVision are working to resolve them.

### Electric Vehicles

- DPW Charger: Installed and operational without a problem.
- City Hall Charger: ReVision will install the EV charger at City Hall after the crane and scaffolding are removed from the ally.
- Nissan Leaf EV: EFM will be training staff in the use of the EV as social distancing protocols ease up. There is now an Outlook calendar where staff can reserve it. Jim experienced two trips with substandard mileage performance, and we are looking into the cause.
- Electrify America: EFM has been working with EA to locate a 'settlement agreement' for the east Taylor St. site that authorizes City maintenance and improvements.

### Streetlight Conversion Project

We are still waiting on PUC approval of the special contract with Liberty Utilities to assume ownership of the streetlights. We will issue three separate RFP's for the streetlight conversion shortly after it arrives. We are still working with Liberty Utilities and the Planning Office to confirm the inventory.

### Municipal Aggregation aka Lebanon Community Power

EFM is working actively with Asst. Mayor Below, LEAC, and other municipalities, including Hanover, to develop this new municipal electricity program. LCP will allow Lebanon to choose its electricity supplier, with the intentions to increase the renewable content, lowering prices, and initiate other energy programs.

Clifton and the EFM are attending meetings of the state-wide working group of Community Power New Hampshire which is establishing a 'back office' to support the launch of Community Power programs. CPNH held an online summit on June 5<sup>th</sup> with 86 registrants from across the state that was highly successful. LEAC hopes to have LCP up and running by the end of this year or early next year. An 'opt-in' pilot program involving 100-200 metered accounts may be initiated sooner.

## Other

- Value of Energy Management – As part of the City budget reductions EFM was asked to estimate the value of energy-related work. A quick calculation puts work to date at over \$14 million in value over the next 15 years to City operations, residents and businesses.
- City Hall Renovations: The Commissioning of the new HVAC system will continue this week. It is estimated that energy use will be reduced by 45% as a result of the renovations. EFM is working with other DPW staff and Resilient Buildings Group to incorporate new HVAC assets into the City's asset management program Beehive. We expect to receive \$50,000 in rebates/incentives from Liberty Utilities for the energy efficiency improvements to the building. This might be used to help pay for insulation of the Opera House walls if that project proves feasible.
- Unknown Odor Protocol: Working with the FD we have implemented a new City policy for handling unknown odors in a building. All department heads have received this policy and been asked to review it with their staff.
- Municipal Audits: EFM is looking for outside funding to undertake comprehensive energy audits and retro-commissioning on City buildings. One possibility is to issue an RFQ for a performance contract.
- DPW Admin HVAC: Honeywell installed new ductwork on the 2<sup>nd</sup> floor, re-balanced the ventilation system and installed temperature sensors in each 2<sup>nd</sup> floor office to allow for temperature averaging across each zone. The building is operating much better as a result.
- Underground Storage Tanks: We performed the annual inspections, a triennial inspection, and some needed repairs through Lakes Region Environmental. The tank at City Hall will be removed soon. Two tanks were recently installed by Irving Oil – City Hall and Police Station, and we are working to get ownership transferred to the City.
- Facility Assessment Plan: EFM and DPW are working to start the process of undertaking facility assessments.

### Outdoor Lighting Service Rate M

Availability

*Public Lighting*

Available for Street or Highways and areas within the public domain for customers designated as governmental entities, inclusive of the state, municipalities, or other public authorities. Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the Special Rate Conditions of this tariff.

*Private Lighting*

Available to private customers for outdoor lighting of areas on private property where necessary fixtures can be supported on existing poles and where such service can be supplied from existing secondary distribution facilities.

In special circumstances outlined in the pole and accessory section below, the Company will install a wooden pole.

*Lighting Services*

Service under this rate is for full-night service street lighting whereby the luminaire operates for the entire night time period pursuant to the Hours of Operation provision below. In addition, customers may, at their option, take advantage of part-night service in which the luminaire operates for a portion of the night pursuant to the Hours of Operation provision below. Customers may select the part-night service option at the time of lighting installation or at any time during service. Any request to select the part-time night service option must be made in writing.

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge	3.873
Reliability Enhancement/Vegetation Management	0.008
<hr/>	
Total Distribution	3.881
Transmission Charge	1.520
Stranded Cost Charge	(0.072)
Storm Recovery Adjustment Factor	0.000

No further installation or relocation of Incandescent and Mercury Vapor lights will be made after the effective date of this rate.

Issued: XX XX, 20XX

Issued by:                     /s/ Susan L. Fleck                      
 Susan L. Fleck

Effective: XX XX, 20XX

Title:                     President

**Pole and Accessory Charge**

An additional monthly charge enumerated below will be applied where the Company is requested to furnish a suitable wood pole for the sole purpose of supporting a luminaire. If at a future date the pole is used for any purpose approved by the Company in addition to supporting a street and/or floodlight luminaire, the pole charge will be terminated. This pole may not be more than one (1) span from the existing secondary service located along a roadway or thoroughfare, and must be reachable for mechanized equipment.

<b>Description</b>	<b>Monthly Price Per Unit</b>
<b>Overhead Service</b>	
Wood Poles	\$9.20
<b>Underground Service – Non-Metallic Standard</b>	
Fiberglass – Direct Embedded	\$9.53
Fiberglass with Foundation < 25 ft.	\$16.18
Fiberglass with Foundation >= 25 ft.	\$27.05
Metal Poles – Direct Embedded	\$19.29
Metal Poles with Foundation	\$23.26

**Other Charges**

Pursuant to RSA 9-E:4, the Company provides a part-night service that, when requested by a customer, will require the replacement of the photoelectric control that will allow for the operation of the luminaire for a portion of the night. The Company shall assess the customer a Part Night Charge of \$150 for the installation of each photoelectric control that must be replaced in order for part-night service to be operational and for the removal of such photoelectric control upon the customer’s request to return to full-night service. For installation or removal of each photoelectric control made during a scheduled maintenance visit or during the installation of a new outdoor lighting service, the Company shall assess the customer a Part Night Charge of \$20 for the installation or removal of each such photoelectric control. The Part Night Charge does not include the cost or fees associated with any work-zone protection, traffic control services and/or permits required to perform the customer requested change, all of which shall be the responsibility of the customer.

Issued: XX XX, 20XX

Issued by:                         /s/ Susan L. Fleck                        

Effective: XX XX, 20XX

Susan L. Fleck  
President

NHPUC NO. 21 - ELECTRICITY DELIVERY  
 LIBERTY UTILITIES

Original Page 110  
 Rate M

For Full-Night Schedule and Part-Night Schedule, the monthly distribution charge is based on the monthly cost of the fixture as provided below:

For New and Existing Installations:

Lamp Nominal Light Output	Nominal Power Rating		Monthly Fixed Luminaire Charge	Average Monthly kWh		Monthly kWh Charges		Total Distribution Charges	
				Full Night Schedule	Part-Night Schedule	Full Night Schedule	Part- Night Schedule	Full Night Schedule	Part- Night Schedule
(Lumens)	Watts	Kelvin	\$/month	kWh/ month	kWh/ month	\$/ month	\$/ month	\$/ month	\$/ month

High Pressure Sodium

4,000	50	2,000	\$8.16	16	8	\$0.62	\$0.31	\$8.78	\$8.47
9,600	100	2,000	\$9.42	33	17	\$1.28	\$0.64	\$10.70	\$10.06
27,500	250	2,000	\$15.62	82	41	\$3.18	\$1.59	\$18.80	\$17.21
50,000	400	2,000	\$19.41	131	66	\$5.08	\$2.54	\$24.49	\$21.95
9,600	100	2,000	\$11.04	33	17	\$1.28	\$0.64	\$12.32	\$11.68

High Pressure Sodium (HPS) Flood

27,500	250	2,000	\$15.78	82	41	\$3.18	\$1.59	\$18.96	\$17.37
50,000	400	2,000	\$21.08	131	66	\$5.08	\$2.54	\$26.16	\$23.62

For Existing Installations Only:

Lamp Nominal Light Output	Nominal Power Rating		Monthly Fixed Luminaire Charge	Average Monthly kWh		Monthly kWh Charges		Total Distribution Charges	
				Full Night Schedule	Part-Night Schedule	Full Night Schedule	Part- Night Schedule	Full Night Schedule	Part- Night Schedule
(Lumens)	Watts	Kelvin	\$/month	kWh/ month	kWh/ month	\$/ month	\$/ month	\$/ month	\$/ month

Incandescent

1000	103	2,400	\$10.45	34	17	\$1.32	\$0.66	\$11.77	\$11.11
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Mercury Vapor (MV)

4,000	100	4,000	\$7.23	33	17	\$1.28	\$0.64	\$8.51	\$7.87
8,000	175	4,000	\$8.13	57	29	\$2.21	\$1.11	\$10.34	\$9.24
22,000	400	5,700	\$14.51	131	66	\$5.08	\$2.54	\$19.59	\$17.05
63,000	1000	4,000	\$24.50	328	164	\$12.73	\$6.36	\$37.23	\$30.86

Mercury Vapor (MV) Flood

22,000	400	5,700	\$16.60	131	66	\$5.08	\$2.54	\$21.68	\$19.14
63,000	1000	4,000	\$32.13	328	164	\$12.73	\$6.36	\$44.86	\$38.49

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
 Title: President

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.

Special Rate Conditions

Charges for the operation of outdoor lights may be increased if, in the Company’s opinion, lights are to be installed in locations or under conditions such that estimated income will be insufficient to justify the estimated cost of construction.

Billings

One-twelfth of the annual price of luminaires, poles and accessories plus energy charges, including adjustments, will be billed each month beginning with the month following the month in which service is rendered.

Luminaire Charges and Pole and Accessory Charges will be based on the monthly rates above as measured from the date of the prior bill to the current bill date.

Charges per kWh will be based on the monthly kWh per luminaire on page 110.

Hours of Operation

*Full-Night Service:* All streetlights will be operated every night from approximately one half hour after sunset until approximately one half hour before sunrise, a total of approximately 3,938 hours each year, or approximately 328 average monthly hours.

*Part-Night Service:* All streetlights will be operated every night from approximately one half hour after sunset then turning off at the earlier of: a time equal to one-half of the Full Night Service period, or five and one-half hours later, a total of no greater than 1,969 hours each year, or approximately 164 average monthly hours.

Issued: XX XX, 20XX

Issued by: /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

NHPUC NO. 21 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

Original Page 112  
Rate M

Failure of Lights to Burn

Should any light fail to burn for the full period provided above, and failure is due to some cause of condition which might reasonably have been prevented by the Company, a deduction will be made from the luminaire price of such light and the kWh for the days the luminaire failed to burn, upon presentation of a claim from the Customer. The deduction shall be equivalent to such part of the annual price thereof as is equal to the ratio that the time of any outage bears to the annual burning time of such light or lights. The provisions of this paragraph do not apply when failure to burn is due to an act of God, or an act or order of any Public Authority or accidental or malicious breakage, provided, however, the necessary repairs are made with reasonable dispatch upon notification by the Customer.

Excessive Damage

Excessive damage to poles, lamps, fixtures, or conductors due to wanton or malicious acts will be charged to the Customer at the actual cost of labor and material required for repair or replace the unit. "Excessive damage" is defined as that which occurs more than once a year. Notification of excessive damage shall be made to the Customer by the Company prior to billing for repairs.

Terms of Service

The customer shall receive and pay for outdoor lighting service for an initial term of five years from the date of installation. Unless notice of termination is given, service shall be extended thereafter for terms of one year. Either the customer or the Company may terminate outdoor lighting service by giving the other written notice at least six months before expiration of a term.

Discontinuance of Lights

Upon expiration of the initial five year term, the Customer may discontinue lights by written notice to the Company. Such discontinuance is contingent upon the customer paying the undepreciated value of the light installation plus a removal charge of \$50 per light. Removal of such lights will be completed in a reasonable period as agreed upon.

Issued: XX XX, 20XX

Issued by:                     /s/ Susan L.Fleck                    

Effective: XX XX, 20XX

Susan L. Fleck  
Title:                     President



Conversion of Existing Lights to High Pressure Sodium or LED

*Public Street Lights*

Incandescent lights - To any municipality or other governmental agency so requesting, the Company will initiate a conversion schedule for the replacement of incandescent lights with an appropriate high pressure sodium light or LED. The conversion will be completed in a period as agreed upon.

Mercury vapor lights - To any municipality or other governmental agency so requesting, the Company will initiate a conversion schedule for the replacement of mercury vapor lights with an appropriate high pressure sodium light or LED upon payment of the undepreciated value of the existing light. This payment may be spread equally over the following twelve month period. The conversion will be completed in a period as agreed upon.

High Pressure Sodium lights - To any municipality or other governmental agency so requesting, the Company will initiate a conversion schedule for the replacement of high pressure sodium lights with an appropriate LED upon payment of the undepreciated value of the existing light. This payment may be spread equally over the following twelve month period. The conversion will be completed in a period as agreed upon.

*Public, Private, Street, or Outdoor Lights*

Conversion of lights will be made as requested by the Customer and as agreed to by the Company, upon payment of the undepreciated value of the existing light and a \$50 per light conversion charge or in accordance with Rates LED-1 or LED-2. To determine the undepreciated value, the Company will review the install date of the fixture(s) at the Customer's location. If the install date is greater than 23 years from the date of conversion, the undepreciated value will be zero. For fixtures that are not fully depreciated at the time of conversion, the Company will use the 2020 install cost adjusted for inflation to develop an approximate historical cost and depreciate the fixtures using straight line depreciation. The Customer will be responsible for the remaining undepreciated value.

Energy Emergency Service

In the event of a generally recognized national and/or regional energy shortage or emergency, annual outdoor lighting may be disconnected upon written request of the Customer. In this event, a monthly charge will be billed at the rate of 80% of the monthly luminaire charges for the duration of time the lighting service is disconnected.

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Title: Susan L. Fleck  
President

NHPUC NO. 21 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

Original Page 114  
Rate LED-1

### Outdoor Lighting Service Rate LED-1

#### Availability

##### *Public Lighting*

Available for Street or Highways and areas within the public domain for customers designated as governmental entities, inclusive of the state, municipalities, or other public authorities. Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the Special Rate Conditions of this tariff.

##### *Private Lighting*

Available to private customers for outdoor lighting of areas on private property where necessary fixtures can be supported on existing poles and where such service can be supplied from existing secondary distribution facilities.

In special circumstances outlined in the pole and accessory section below, the Company will install a wooden pole.

##### *Lighting Services*

Service under this rate is for full-night service street lighting whereby the luminaire operates for the entire night time period pursuant to the Hours of Operation provision below. In addition, customers may, at their option, take advantage of part-night service in which the luminaire operates for a portion of the night pursuant to the Hours of Operation provision below. Customers may select the part-night service option at the time of lighting installation or at any time during service. Any request to select the part-time night service option must be made in writing.

#### Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge	3.873
Reliability Enhancement/Vegetation Management	0.008
Total Distribution	3.881
Transmission Charge	1.520
Stranded Cost Charge	(0.072)
Storm Recovery Adjustment Factor	0.000

No further installation or relocation of Incandescent and Mercury Vapor lights will be made after the effective date of this rate.

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Issued by: /s/ Susan L. Fleck

Susan L. Fleck

Effective: XX XX, 20XX

Title: President

Pole and Accessory Charge

An additional monthly charge enumerated below will be applied where the Company is requested to furnish a suitable wood pole for the sole purpose of supporting a luminaire. If at a future date the pole is used for any purpose approved by the Company in addition to supporting a street and/or floodlight luminaire, the pole charge will be terminated. This pole may not be more than one (1) span from the existing secondary service located along a roadway or thoroughfare, and must be reachable for mechanized equipment.

Description	Monthly Price Per Unit
<b>Overhead Service</b>	
Wood Poles	\$9.20
<b>Underground Service – Non-Metallic Standard</b>	
Fiberglass – Direct Embedded	\$9.53
Fiberglass with Foundation < 25 ft.	\$16.18
Fiberglass with Foundation >= 25 ft.	\$27.05
Metal Poles – Direct Embedded	\$19.29
Metal Poles with Foundation	\$23.26

Other Charges

Pursuant to RSA 9-E:4, the Company provides a part-night service that, when requested by a customer, will require the replacement of the photoelectric control that will allow for the operation of the luminaire for a portion of the night. The Company shall assess the customer a Part Night Charge of \$150 for the installation of each photoelectric control that must be replaced in order for part-night service to be operational and for the removal of such photoelectric control upon the customer’s request to return to full-night service. For installation or removal of each photoelectric control made during a scheduled maintenance visit or during the installation of a new outdoor lighting service, the Company shall assess the customer a Part Night Charge of \$20 for the installation or removal of each such photoelectric control. The Part Night Charge does not include the cost or fees associated with any work-zone protection, traffic control services and/or permits required to perform the customer requested change, all of which shall be the responsibility of the customer.

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 Susan L. Fleck

Effective: XX XX, 20XX

Title:                     President

NHPUC NO. 21 - ELECTRICITY DELIVERY  
 LIBERTY UTILITIES

Original Page 118  
 Rate LED-1

For Full-Night Schedule and Part-Night Schedule, the monthly distribution charge is based on the monthly cost of the fixture as provided below:

Lamp Nominal Light Output	Nominal Power Rating		Monthly Fixed Luminaire Charge	Average Monthly kWh		Monthly kWh Charges		Total Distribution Charges	
				Full Night Schedule	Part-Night Schedule	Full Night Schedule	Part- Night Schedule	Full Night Schedule	Part- Night Schedule
(Lumens)	Watts	Kelvin	\$/month	kWh/ month	kWh/ month	\$/ month	\$/ month	\$/ month	\$/ month

LED Roadway/Highway

4,000	30	4,000	\$5.29	10	5	\$0.39	\$0.19	\$5.68	\$5.48
6,500	50	4,000	\$5.51	16	8	\$0.62	\$0.31	\$6.13	\$5.82
16,500	130	4,000	\$8.51	43	22	\$1.67	\$0.83	\$10.18	\$9.34
21,000	190	4,000	\$16.28	62	31	\$2.41	\$1.20	\$18.69	\$17.48

LED Underground

3,000	30	3,000	\$12.32	10	5	\$0.39	\$0.19	\$12.71	\$12.51
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LED Flood:

10,500	90	4,000	\$8.38	30	15	\$1.16	\$0.58	\$9.54	\$8.96
16,500	130	4,000	\$9.62	43	22	\$1.67	\$0.83	\$11.29	\$10.45

LED Caretaker II

4,000	30	3,000	\$4.75	10	5	\$0.39	\$0.19	\$5.14	\$4.94
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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.

Special Rate Conditions

Charges for the operation of outdoor lights may be increased if, in the Company's opinion, lights are to be installed in locations or under conditions such that estimated income will be insufficient to justify the estimated cost of construction.

Choice of Color Temperature

Each fixture type offered under this LED-1 tariff, except the Caretaker II and Underground Residential, is offered with a customer choice of correlated color temperature (CCT) of either 3000 Kelvin (K) or 4000 K. The Caretaker II and Underground Residential lights are only available in 3000 K. If the customer does not select a color temperature, fixtures with a CCT of 3000 K will be provided.

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Effective: XX XX, 20XX

Susan L. Fleck  
 Title: President

NHPUC NO. 21 - ELECTRICITY DELIVERY  
LIBERTY UTILITIES

Original Page 119  
Rate LED-1

Billings

Charges per kWh will be based on the monthly kWh per luminaire on page 116. The monthly kWh amount shall be determined by allocating the number of annual operating hours for streetlights among the months. The average monthly kWh for each light will be used to bill for kWh usage. Luminaire Charges and Pole and Accessory Charges will be based on the monthly rates above as measured from the date of the prior bill to the current bill date.

Hours of Operation

*Full-Night Service:* All streetlights will be operated every night from approximately one half hour after sunset until approximately one half hour before sunrise, a total of approximately 3,938 hours each year or approximately 328 average monthly hours.

*Part-Night Service:* All streetlights will be operated every night approximately one half hour after sunset then turning off at a the earlier of: a time equal to one-half of the Full-Night Service period, or five and one-half hours later , a total of no greater than 1,969 hours each year or approximately 164 average monthly hours.

Failure of Lights to Burn

Should any light fail to burn for the full period provided above, and failure is due to some cause of condition which might reasonably have been prevented by the Company, a deduction will be made from the luminaire price of such light, upon presentation of a claim from the Customer. The deduction shall be equivalent to such part of the annual price thereof as is equal to the ratio that the time of any outage bears to the annual burning time of such light or lights. The provisions of this paragraph do not apply when failure to burn is due to an act of God, or an act or order of any Public Authority or accidental or malicious breakage, provided, however, the necessary repairs are made with reasonable dispatch upon notification by the Customer.

Excessive Damage

Excessive damage to poles, lamps, fixtures, or conductors due to wanton or malicious acts will be charged to the Customer at the actual cost of labor and material required for repair or replace the unit. "Excessive damage" is defined as that which occurs more than once a year. Notification of excessive damage shall be made to the Customer by the Company prior to billing for repairs.

Energy Emergency Service

In the event of a generally recognized national and/or regional energy shortage or emergency, annual outdoor lighting may be disconnected upon written request of the Customer. In this event, a monthly charge will be billed at the rate of 80% of the monthly luminaire charges for the duration of time the lighting service is disconnected.

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Susan L. Fleck

Effective: XX XX, 20XX

Title:                     President

Terms of Service

The customer shall receive and pay for outdoor lighting service for an initial term of five years from the date of installation. Unless notice of termination is given, service shall be extended thereafter for terms of one year. Either the customer or the Company may terminate outdoor lighting service by giving the other written notice at least six months before expiration of a term.

Discontinuance of Lights

Upon expiration of the initial five year term, the Customer may discontinue lights by written notice to the Company. Such discontinuance is contingent upon the customer paying the undepreciated value of the light installation plus a removal charge of \$50 per light. Removal of such lights will be completed in a reasonable period as agreed upon.

Conversion of Existing Lights to LED

*Public Street Lights*

Incandescent lights - To any municipality or other governmental agency so requesting, the Company will initiate a conversion schedule for the replacement of incandescent lights with an appropriate LED. The conversion will be completed in a period as agreed upon.

Mercury vapor and high pressure sodium lights - To any municipality or other governmental agency so requesting, the Company will initiate a conversion schedule for the replacement of mercury vapor and high pressure sodium lights with an appropriate LED upon payment of the undepreciated value of the existing light. This payment may be spread equally over the following twelve month period. The conversion will be completed in a period as agreed upon.

*Public, Private, Street, or Outdoor Lights*

Conversion of lights will be made as requested by the Customer and as agreed to by the Company, upon payment of the undepreciated value of the existing light and a \$50 per light conversion charge or in accordance with Rates LED-1 or LED-2. To determine the undepreciated value, the Company will review the install date of the fixture(s) at the Customer's location. If the install date is greater than 23 years from the date of conversion, the undepreciated value will be zero. For fixtures that are not fully depreciated at the time of conversion, the Company will use the 2020 install cost adjusted for inflation to develop an approximate historical cost and depreciate the fixtures using straight line depreciation. The Customer will be responsible for the remaining undepreciated value.

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Susan L. Fleck

Effective: XX XX, 20XX

Title:                   President



3. Provide, at least annually, a street light inventory including location of fixtures by pole number, wattage, Kelvin and lumens of all fixtures; The Customer will hold title to all fixtures.

#### Mounting Brackets and Line Taps

The Company will maintain ownership and maintenance responsibility for mounting brackets and line taps to the point where the Customer's fixture is attached.

#### Hours of Operation

Full-night outdoor lighting service on an annual basis totaling approximately 3,938 hours of operation per year or approximately 328 average monthly hours and part-night outdoor lighting service on an annual basis totaling no more than 1,969 hours of operation per year or approximately 164 average monthly hours shall be provided for under this rate. Alternative hours of operation shall also be provided under this rate per the Use of Advanced Controls provision below.

#### Removal and Installation

A customer may request removal only of their lights by the Company for which the customer will be billed \$50 per light to cover labor costs associated with removal. Alternatively, the customer may arrange for the private line contractor installing the new LED fixtures to remove and return to the Company the existing fixtures. Customers will be responsible to pay the remaining undepreciated value of the Company's fixtures to be removed prior to removal. The removal will be completed in a period as agreed upon between the Company and the customer. Under this option, the customer shall pay a private contractor for the installation of the new fixtures per the Additional Requirements below.

A customer may choose to have the Company both remove the old fixtures and install the new fixtures. For this service, the customer will be billed \$215 per old light fixture by the Company to remove the old fixture and install the new fixture to cover labor costs associated with removal and installation. Customers will be responsible to pay the remaining undepreciated value of the fixtures to be removed prior to removal and installation. The installation will be completed in a period as agreed upon between the Company and the customer.

#### Replacement and Maintenance

Any customer requesting replacement or maintenance of a light by the Company will be billed \$215 per light to cover labor costs associated with replacement and maintenance. Ongoing maintenance or replacement of fixtures owned by the customer, including photocell or advanced controls, may be performed by the customer through a Company approved contractor as described below under Additional Requirements or by a customer employee that is a licensed electrician.

Issued: XX XX, 20XX

Issued by: \_\_\_\_\_ /s/ Susan L. Fleck  
Susan L. Fleck

Effective: XX XX, 20XX

Title: President



Additional Requirements

Fixtures must be provided by the Customer for installation on the Company's facilities. Fixtures shall be accepted by the Company in advance of installation and must be compatible with existing line voltage and brackets, and must require no special tools or training to install and maintain. Customers who are replacing existing fixtures with LED fixtures are responsible for the cost of removal and installation. Customers may choose to have this work completed by the Company or may opt to hire and pay a private line contractor to perform the work. Any private contractor shall have all the requisite training, certifications and insurance to safely perform the required installations, and shall be licensed by the State and accepted by the Company. Prior to commencement of work, the municipality must provide written certification of the qualifications to the Company. Contractors shall coordinate the installation work with the Company and submit a work plan subject to approval by the Company, including provisions for either returning removed fixtures to the Company or otherwise disposing of them as approved by the Company. The Customer shall bear all expenses related to the use of such labor, including any expenses arising from damage to the Company's electrical system caused by the contractor's actions.

Monthly Rates:

The energy charges for each luminaire will be determined by multiplying the energy charges per kilowatt-hour by the average monthly kilowatt-hours. The Customer is responsible for providing the list of fixtures and wattages to allow the Company to calculate the kWh to be billed. The kWh will be calculated based on the 2020 Farmer's Almanac hours of daylight.

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge per kWh	3.873
Reliability Enhancement/Vegetation Management	0.008
<hr/>	
Total Distribution	3.881
<hr/>	
Transmission Charge	1.520
Stranded Cost Charge	(0.072)
Storm Recovery Adjustment Factor	0.000

For the alternative schedule, the monthly kWh shall be determined as set forth under Use of Advanced Controls.

Failure of Lights to Burn

Should any light fail to burn for the full period provided above, a deduction will be made from the calculated monthly kWh of such light, upon presentation of a claim from the Customer. The provisions of this paragraph do not apply when failure to burn is due to an act of God, or an act or order of any Public Authority or accidental or malicious breakage, provided, however, the necessary repairs are made with reasonable dispatch upon notification by the Customer.

Issued: XX XX, 20XX Issued by:                                 /s/ Susan L. Fleck                                  
 Effective: XX XX, 20XX Title:                                 Susan L. Fleck                                  
                                President

Use of Advanced Controls

Where lighting controls that meet the current ANSI C12.20 standard have been installed that allow for variation from the Company’s outdoor lighting hours schedule under Full-Night Schedule or Part-Night Schedule, the Customer must provide verification of such installation to the Company and a schedule indicating the expected average operating wattage of lights subject to the Customer’s control and operation. Upon installation and at any time thereafter, the Customer must also provide the Company access, either directly or indirectly, to the data from the Customer’s control system in order for the Company to verify the measured energy use of the lighting systems and modify the billed usage as appropriate on a prospective basis. The schedule of average operating wattage ratings may be revised once per year at the request of the Customer. However, it is the Customer’s responsibility to immediately notify the Company of any planned or unplanned changes to its scheduled usage to allow for billing adjustments as may be needed.

The charge for the monthly kilowatt-hours shall be determined on the basis of the average operating wattage of the light sources resulting from installed control adjustments established at the beginning of the billing period multiplied by the average monthly hours of the outdoor lighting hours schedule. The wattage ratings shall allow for the billing of kilowatt-hours according to the schedule submitted by the Customer to the Company and reflect any adjustments from the lighting control system including, but not limited to, fixture trimming, dimming, brightening, variable dimming, and multiple hourly schedules.

Pole and Accessory Charge

An additional monthly charge enumerated below will be applied where the Company is requested to furnish a suitable wood pole for the sole purpose of supporting a luminaire. If at a future date the pole is used for any purpose approved by the Company in addition to supporting a street and/or floodlight luminaire, the pole charge will be terminated. This pole may not be more than one (1) span from the existing secondary service located along a roadway or thoroughfare, and must be reachable for mechanized equipment.

<b>Description</b>	<b>Monthly Price Per Unit</b>
<b>Overhead Service</b>	
Wood Poles	\$9.20
<b>Underground Service – Non-Metallic Standard</b>	
Fiberglass – Direct Embedded	\$9.53
Fiberglass with Foundation < 25 ft.	\$16.18
Fiberglass with Foundation >= 25 ft.	\$27.05
Metal Poles – Direct Embedded	\$19.29
Metal Poles with Foundation	\$23.26

Issued: XX XX, 20XX

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 Susan L. Fleck

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Title: President

NHPUC NO. 21 - ELECTRICITY DELIVERY  
 LIBERTY UTILITIES

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 Rate EV

**Rate EV Plug In Electric Vehicle**

Availability

Retail Delivery Service under this rate is available for uses of a customer taking service under Rate D as a separately metered service. By choosing to participate in this Plug In Electric Vehicle rate, the Customer agrees to pay the following charges for a minimum of two years. The charging station shall be connected by means of an approved circuit to a separate electric vehicle charging meter. The rates for energy (kWh) based charges are seasonal with a winter period from November 1 to April 30 and a summer period from May 1 to October 31.

Character of Service

Service supplied under this rate will be single phase, 60 cycle, alternating current, normally three-wire service at a nominal voltage of 120/240 volts or three-wire 120/208 volts, whichever is available at the location.

Rates per Month

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service Effective May 1, 2020 through October 31, 2020

Customer Charge \$11.35 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge Off Peak	3.482
Distribution Charge Mid Peak	5.124
Distribution Charge Critical Peak	9.285
Reliability Enhancement/Vegetation Management	0.008
<hr/>	
Total Distribution Charge Off Peak	3.490
Total Distribution Charge Mid Peak	5.132
Total Distribution Charge Critical Peak	9.293
Transmission Charge Off Peak	0.115
Transmission Charge Mid Peak	1.670
Transmission Charge Critical Peak	11.010
Energy Service Charge Off Peak	2.445
Energy Service Charge Mid Peak	6.801
Energy Service Charge Critical Peak	12.305
Stranded Cost Adjustment Factor	(0.072)
Storm Recovery Adjustment Factor	0.000

Off peak hours will be from 12AM to 8AM and 8PM to 12AM daily.

Mid peak hours will be from 8AM to 3PM daily Monday through Friday, except holidays.

Mid peak hours will be from 8AM to 8PM Saturday, Sunday and holidays.

Critical peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

Issued: XX XX, 20XX Issued by: /s/ Susan L. Fleck  
 Susan L. Fleck  
 Effective: XX XX, 20XX Title: President

### Rate D-11 Battery Storage Pilot

#### Availability

Retail Delivery service under this rate is available for domestic purposes in an individual private dwelling to selected customers presently served under Rate D or D-10, by which they have chosen to participate in the Battery Storage Pilot, leasing and utilizing Tesla Powerwall 2 batteries and associated equipment behind their meter. The rates for energy (kWh) based charges are seasonal with a winter period from November 1 to April 30 and a summer period from May 1 to October 31. The availability of this rate will be subject to the Company’s ability to obtain the necessary meters and to render such service.

#### Character of Service

Service supplied under this rate will be single phase, 60 cycle, alternating current, normally three-wire service at a nominal voltage of 120/240 volts or three-wire 120/208 volts, whichever is available at the location.

#### Pilot Requirements

This program is applicable to customers who agree through a signed contract to lease two (2) Tesla Powerwall 2 batteries and associated Gateway equipment and allow the Company or Tesla to control such equipment during predicted peak events.

#### Customer Responsibilities

The Customer is required to sign the Customer Agreement prior to installation of the Tesla Powerwall 2 battery equipment. The Customer that participates in the pilot shall pay the monthly rate of \$50 for a minimum of ten (10) years, or contribute \$4,866 upfront to the cost of the batteries. Customers who have purchased premises with Company-owned Powerwall 2 battery equipment must sign a Customer Agreement to continue participation in the program. In the event the Customer does not want to sign the Customer Agreement after the premises have been purchased, the Customer must allow the Company to remove the batteries at no cost to the Customer or the Company if changes to electrical wiring is required. The Customer is required to own and occupy the premises where the Powerwall 2 battery equipment is installed. Customers shall be required to maintain reliable communications with the Powerwall 2 battery equipment system, including maintaining functional internet connectivity with WiFi capabilities. The Customer is responsible for compliance with all warranty requirements as described in the Customer Agreement. The Company is responsible for all maintenance and warranty issues related to the Tesla Powerwall 2 battery equipment and shall provide the Customer with the warranty requirements. In the event that the Customer does not stay current with the monthly payments for the Powerwall 2 battery equipment system, the Company may require return of the equipment with proper notice, and the Customer shall be responsible for the removal fees.

#### Company Responsibilities

The Company or Tesla shall have the ability to control the Powerwall 2 battery equipment at its sole discretion just prior to and during predicted peak events and to charge the battery for the entire period of installation. The Company will provide installation for the Powerwall 2 battery equipment and bidirectional metering equipment. The Company is responsible for maintenance and warranty issues related to the Company-owned Tesla Powerwall 2 battery equipment and associated facilities and systems.

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Issued by: \_\_\_\_\_ /s/ Susan L. Fleck

Effective: XX XX, 20XX

Susan L. Fleck  
Title: President

NHPUC NO. 21 – ELECTRCITY DELIVERY  
LIBERTY UTILITIES

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Rate D-11

Control Credits

The Company or Tesla will take control of and dispatch the Powerwall 2 battery equipment during predicted peak events. Customers who lease the Powerwall 2 battery equipment from the Company will be compensated in accordance with the Alternative Net Metering Tariff adopted by the Commission in Order No. 26,029 dated June 23, 2017, as described in Section 51 of this tariff, when the Company dispatches the Powerwall 2 battery equipment for predicted peak events.

Rates per Month

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service Effective May 1, 2020 through October 31, 2020

Customer Charge \$14.74 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge Off Peak	3.482
Distribution Charge Mid Peak	5.124
Distribution Charge Critical Peak	9.285
Reliability Enhancement/Vegetation Management	0.008
<hr/>	
Total Distribution Charge Off Peak	3.490
Total Distribution Charge Mid Peak	5.132
Total Distribution Charge Critical Peak	9.293
Transmission Charge Off Peak	0.115
Transmission Charge Mid Peak	1.670
Transmission Charge Critical Peak	11.010
Energy Service Charge Off Peak	2.445
Energy Service Charge Mid Peak	6.801
Energy Service Charge Critical Peak	12.305
Stranded Cost Adjustment Factor	(0.072)
Storm Recovery Adjustment Factor	0.000

Off peak hours will be from 12AM to 8AM and 8PM to 12AM daily.

Mid peak hours will be from 8AM to 3PM daily Monday through Friday, except holidays.

Mid peak hours will be from 8AM to 8PM Saturday, Sunday and holidays.

Critical peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

Issued: XX XX, 20XX

Issued by:                     /s/ Susan L. Fleck                      
Susan L. Fleck

Effective: XX XX, 20XX

Title:                     President                    

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NHPUC No. 21 - ELECTRICITY  
 LIBERTY UTILITIES

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 Summary of Rates

RATES EFFECTIVE JULY 1, 2020  
 FOR USAGE ON AND AFTER JULY 1, 2020

Rate	Blocks	Distribution Charge	REP/VMP	Net Distribution Charge	Transmission Charge	Stranded Cost Charge	Storm Recovery Adjustment Factor	System Benefits Charge	Electricity Consumption Tax	Total Delivery Service	Energy Service	Total Rate
D	Customer Charge	\$ 14.74		<b>14.74</b>						<b>14.74</b>		\$ <b>14.74</b>
	All kWh	\$ 0.05480	0.00008	<b>0.05488</b>	0.02660	(0.00072)	-	0.00678	-	<b>0.08754</b>	0.07193	\$ <b>0.15947</b>
Off Peak Water Heating Use 16 Hour Control <sup>1</sup>	All kWh	\$ 0.04732	0.00008	<b>0.04740</b>	0.02660	(0.00072)	-	0.00678	-	<b>0.08006</b>	0.07193	\$ <b>0.15199</b>
Off Peak Water Heating Use 6 Hour Control <sup>1</sup>	All kWh	\$ 0.04819	0.00008	<b>0.04827</b>	0.02660	(0.00072)	-	0.00678	-	<b>0.08093</b>	0.07193	\$ <b>0.15286</b>
Farm <sup>1</sup>	All kWh	\$ 0.05173	0.00008	<b>0.05181</b>	0.02660	(0.00072)	-	0.00678	-	<b>0.08447</b>	0.07193	\$ <b>0.15640</b>
D-10	Customer Charge	\$ 14.74		<b>14.74</b>						<b>14.74</b>		\$ <b>14.74</b>
	On Peak kWh	\$ 0.11694	0.00008	<b>0.11702</b>	0.02269	(0.00072)	-	0.00678	-	<b>0.14577</b>	0.07193	\$ <b>0.21770</b>
	Off Peak kWh	\$ 0.00159	0.00008	<b>0.00167</b>	0.02269	(0.00072)	-	0.00678	-	<b>0.03042</b>	0.07193	\$ <b>0.10235</b>
G-1	Customer Charge	\$ 414.69		<b>414.69</b>						<b>414.69</b>		\$ <b>414.69</b>
	Demand Charge	\$ 8.81		<b>8.81</b>						<b>8.81</b>		\$ <b>8.81</b>
	On Peak kWh	\$ 0.00564	0.00008	<b>0.00572</b>	0.02065	(0.00072)	-	0.00678	-	<b>0.03243</b>		
									Effective 2/1/20, usage on or after	0.09749		\$ <b>0.12992</b>
									Effective 3/1/20, usage on or after	0.07777		\$ <b>0.11020</b>
									Effective 4/1/20, usage on or after	0.06715		\$ <b>0.09958</b>
									Effective 5/1/20, usage on or after	0.05868		\$ <b>0.09111</b>
									Effective 6/1/20, usage on or after	0.05246		\$ <b>0.08489</b>
									Effective 7/1/20, usage on or after	0.05790		\$ <b>0.09033</b>
	Off Peak kWh	\$ 0.00168	0.00008	<b>0.00176</b>	0.02065	(0.00072)	-	0.00678	-	<b>0.02847</b>		
									Effective 2/1/20, usage on or after	0.09749		\$ <b>0.12596</b>
									Effective 3/1/20, usage on or after	0.07777		\$ <b>0.10624</b>
									Effective 4/1/20, usage on or after	0.06715		\$ <b>0.09562</b>
									Effective 5/1/20, usage on or after	0.05868		\$ <b>0.08715</b>
									Effective 6/1/20, usage on or after	0.05246		\$ <b>0.08093</b>
									Effective 7/1/20, usage on or after	0.05790		\$ <b>0.08637</b>
G-2	Customer Charge	\$ 69.13		<b>69.13</b>						<b>69.13</b>		\$ <b>69.13</b>
	Demand Charge	\$ 8.86		<b>8.86</b>						<b>8.86</b>		\$ <b>8.86</b>
	All kWh	\$ 0.02240	0.00008	<b>0.02248</b>	0.02553	(0.00072)	-	0.00678	-	<b>0.05407</b>		
									Effective 2/1/20, usage on or after	0.09749		\$ <b>0.15156</b>
									Effective 3/1/20, usage on or after	0.07777		\$ <b>0.13184</b>
									Effective 4/1/20, usage on or after	0.06715		\$ <b>0.12122</b>
									Effective 5/1/20, usage on or after	0.05868		\$ <b>0.11275</b>
									Effective 6/1/20, usage on or after	0.05246		\$ <b>0.10653</b>
									Effective 7/1/20, usage on or after	0.05790		\$ <b>0.11197</b>
G-3	Customer Charge	\$ 15.90		<b>15.90</b>						<b>15.90</b>		\$ <b>15.90</b>
	All kWh	\$ 0.05036	0.00008	<b>0.05044</b>	0.02550	(0.00072)	-	0.00678	-	<b>0.08200</b>	0.07193	\$ <b>0.15393</b>
T	Customer Charge	\$ 14.74		<b>14.74</b>						<b>14.74</b>		\$ <b>14.74</b>
	All kWh	\$ 0.04469	0.00008	<b>0.04477</b>	0.02620	(0.00073)	-	0.00678	-	<b>0.07702</b>	0.07193	\$ <b>0.14895</b>
V	Minimum Charge	\$ 15.90		<b>15.90</b>						<b>15.90</b>		\$ <b>15.90</b>
	All kWh	\$ 0.05179	0.00008	<b>0.05187</b>	0.02501	(0.00072)	-	0.00678	-	<b>0.08294</b>	0.07193	\$ <b>0.15487</b>

<sup>1</sup> Rate is a subset of Domestic Rate D

Dated: xxx xx, 2020  
 Effective: July 1, 2020

Issued by: /s/Susan L. Fleck  
 Susan L. Fleck  
 Title: President

Authorized by NHPUC Order No. xx,xxx in Docket DE 20-xxx, Dated xxx xx, 2020

NHPUC No. 21 - ELECTRICITY  
 LIBERTY UTILITIES

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 Summary of Rates

RATES EFFECTIVE JULY 1, 2020  
 FOR USAGE ON AND AFTER JULY 1, 2020

Rate	Blocks	Distribution Charge	REP/VMP	Net Distribution Charge	Transmission Charge	Stranded Cost Charge	Storm Recovery Adjustment Factor	System Benefits Charge	Electricity Consumption Tax	Total Delivery Service	Energy Service	Total Rate
	Customer Charge	\$14.74		<b>\$14.74</b>								<b>\$14.74</b>
	<u>Monday through Friday</u>											
D-11	Off Peak	\$0.03482	\$0.00008	<b>\$0.03490</b>	\$0.00115	(\$0.00072)	-	\$0.00678	-	\$0.04211	\$0.02445	<b>\$0.06656</b>
	Mid Peak	\$0.05124	\$0.00008	<b>\$0.05132</b>	\$0.01670	(\$0.00072)	-	\$0.00678	-	\$0.07408	\$0.06801	<b>\$0.14209</b>
	Critical Peak	\$0.09285	\$0.00008	<b>\$0.09293</b>	\$0.11010	(\$0.00072)	-	\$0.00678	-	\$0.20909	\$0.12305	<b>\$0.33214</b>
	<u>Saturday through Sunday and Holidays</u>											
	Off Peak	\$0.03482	\$0.00008	<b>\$0.03490</b>	\$0.00115	(\$0.00072)	-	\$0.00678	-	\$0.04211	\$0.02445	<b>\$0.06656</b>
	Mid Peak	\$0.05124	\$0.00008	<b>\$0.05132</b>	\$0.01670	(\$0.00072)	-	\$0.00678	-	\$0.07408	\$0.06801	<b>\$0.14209</b>
Rate EV	Customer Charge	\$11.35		<b>\$11.35</b>								<b>\$11.35</b>
	<u>Monday through Friday</u>											
	Off Peak	\$0.03482	\$0.00008	<b>\$0.03490</b>	\$0.00115	(\$0.00072)	-	\$0.00678	-	\$0.04211	\$0.02445	<b>\$0.06656</b>
	Mid Peak	\$0.05124	\$0.00008	<b>\$0.05132</b>	\$0.01670	(\$0.00072)	-	\$0.00678	-	\$0.07408	\$0.06801	<b>\$0.14209</b>
	Critical Peak	\$0.09285	\$0.00008	<b>\$0.09293</b>	\$0.11010	(\$0.00072)	-	\$0.00678	-	\$0.20909	\$0.12305	<b>\$0.33214</b>
	<u>Saturday through Sunday and Holidays</u>											
	Off Peak	\$0.03482	\$0.00008	<b>\$0.03490</b>	\$0.00115	(\$0.00072)	-	\$0.00678	-	\$0.04211	\$0.02445	<b>\$0.06656</b>
	Mid Peak	\$0.05124	\$0.00008	<b>\$0.05132</b>	\$0.01670	(\$0.00072)	-	\$0.00678	-	\$0.07408	\$0.06801	<b>\$0.14209</b>
M	<u>Luminaire Charge</u>											
	HPS 4,000	\$8.16		<b>\$8.16</b>								<b>\$8.16</b>
	HPS 9,600	\$9.42		<b>\$9.42</b>								<b>\$9.42</b>
	HPS 27,500	\$15.62		<b>\$15.62</b>								<b>\$15.62</b>
	HPS 50,000	\$19.41		<b>\$19.41</b>								<b>\$19.41</b>
	HPS 9,600 (Post Top)	\$11.04		<b>\$11.04</b>								<b>\$11.04</b>
	HPS 27,500 Flood	\$15.78		<b>\$15.78</b>								<b>\$15.78</b>
	HPS 50,000 Flood	\$21.08		<b>\$21.08</b>								<b>\$21.08</b>
	Incandescent 1,000	\$10.45		<b>\$10.45</b>								<b>\$10.45</b>
	Mercury Vapor 4,000	\$7.23		<b>\$7.23</b>								<b>\$7.23</b>
	Mercury Vapor 8,000	\$8.13		<b>\$8.13</b>								<b>\$8.13</b>
	Mercury Vapor 22,000	\$14.51		<b>\$14.51</b>								<b>\$14.51</b>
	Mercury Vapor 63,000	\$24.50		<b>\$24.50</b>								<b>\$24.50</b>
	Mercury Vapor 22,000 Flood	\$16.60		<b>\$16.60</b>								<b>\$16.60</b>
	Mercury Vapor 63,000 Flood	\$32.13		<b>\$32.13</b>								<b>\$32.13</b>
LED-1	<u>Luminaire Charge</u>											
	30 Watt Pole Top	\$5.29		<b>\$5.29</b>								<b>\$5.29</b>
	50 Watt Pole Top	\$5.51		<b>\$5.51</b>								<b>\$5.51</b>
	130 Watt Pole Top	\$8.51		<b>\$8.51</b>								<b>\$8.51</b>
	190 Watt Pole Top	\$16.28		<b>\$16.28</b>								<b>\$16.28</b>
	30 Watt URD	\$12.32		<b>\$12.32</b>								<b>\$12.32</b>
	90 Watt Flood	\$8.38		<b>\$8.38</b>								<b>\$8.38</b>
	130 Watt Flood	\$9.62		<b>\$9.62</b>								<b>\$9.62</b>
	30 Watt Caretaker	\$4.75		<b>\$4.75</b>								<b>\$4.75</b>
Poles	Pole -Wood	\$9.20		<b>\$9.20</b>								<b>\$9.20</b>
	Fiberglass - Direct Embedded	\$9.53		<b>\$9.53</b>								<b>\$9.53</b>
	Fiberglass w/Foundation <25 ft	\$16.18		<b>\$16.18</b>								<b>\$16.18</b>
	Fiberglass w/Foundation >=25 ft	\$27.05		<b>\$27.05</b>								<b>\$27.05</b>
	Metal Poles - Direct Embedded	\$19.29		<b>\$19.29</b>								<b>\$19.29</b>
	Metal Poles with Foundation	\$23.26		<b>\$23.26</b>								<b>\$23.26</b>
M & LED-1	All kWh	\$0.03873	\$0.00008	<b>\$0.03881</b>	\$0.01520	(\$0.00072)	\$0.00000	\$0.00678	\$0.00000	<b>\$0.06007</b>	\$0.07193	<b>\$0.13200</b>
LED-2	All kWh	\$0.03873	\$0.00008	<b>\$0.03881</b>	\$0.01520	(\$0.00072)	\$0.00000	\$0.00678	\$0.00000	<b>\$0.06007</b>	\$0.07193	<b>\$0.13200</b>

Dated: xxx xx, 2020  
 Effective: July 1, 2020

Issued by: /s/Susan L. Fleck  
 Susan L. Fleck  
 Title: President

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