

IN THE MATTER OF THE IMPLEMENTATION OF THE LIGHT
EMITTING DIODE (“LED”) STREETLIGHT PROGRAM

DOCKET NO. QO22110710

Rockland Electric Company Comments March 29, 2023

By Notice in the above-referenced matter dated March 1, 2023 (“Notice”), the New Jersey Board of Public Utilities (“NJBPU”) Staff (“Staff”) advised stakeholders that the NJBPU is seeking to identify “the lighting systems to be changed, the tariff revisions required to reflect the true value and cost of the streetlight heads and lighting replacements, issues with respect to streetlight pole ownership, operations, and maintenance, and a process for transitioning existing streetlights to LED streetlights.” The Notice invited stakeholders to comment on this topic and directed specific questions to NJ utilities on this topic.

Rockland Electric Company (“Company”) firmly supports moving forward expeditiously with LED streetlight replacement. The increased installation of LED streetlights in New Jersey will reduce energy use, thus helping achieve the State’s ambitious energy reduction goals. However, if the NJBPU adopts a streetlight replacement program, individual utilities should be able to develop replacement programs and tariffs that address the specific needs and circumstances of the utility’s service territory. Programs and tariffs should not be uniform across all utilities. A uniform program and tariff applicable to all utilities inevitably will overlook individual utility needs or will address issues that are not shared by all utilities. Further, the Company suggests that the NJBPU consider a periodic review of any LED replacement programs. Such a review process will allow the NJBPU, the utilities and interested stakeholders to identify program components that worked well, as well as program components that require further adjustment.

The Company offers the following responses to Staff’s questions.

Responses to NJBPU Staff’s Questions

1. Do you have a complete inventory of streetlights in your service territory, including type (bulb, light fixture and pole), ownership, vintage, original cost, accumulated depreciation, and remaining service life? Please provide the most granularity possible in narrative form with a level of detail that would explain what information you have with respect to each of the listed items

Response:

The Company maintains a Municipal Streetlight Portal,¹ that houses a complete inventory of municipal streetlights by municipality, including bulb, light fixture and pole information. The Company also maintains streetlight records with book cost, vintage, and street light

¹ See https://apps.coned.com/OR_STL/Forms/SAccess.aspx

type.

2. What is your process and schedule for validating the streetlights inventory mentioned in Question #1 above, and when was it most recently validated?

Response:

The streetlight inventory is revised daily through interfaces with the Company's Work Management System and Electric Information Management System. If a municipality requests a streetlight audit to confirm their inventory, the Company completes a field audit to determine municipal streetlights at the given moment.

3. How many gas streetlights, if applicable, do you have in your service area? Please provide the breakdown according to the location in each applicable municipality.

Response:

The Company does not have any gas streetlights in its service territory.

4. Of the streetlights in your service area, how many are municipally-owned, and how many are utility-owned?

Response:

The Company does not have municipally-owned streetlights in its service territory; all municipal streetlights are owned by the Company.

5. How regularly do you replace the bulbs in the current streetlight fixtures? Please describe your streetlight replacement program(s).

Response:

Municipalities are able to request replacement of up to two percent (2%) of their streetlight inventory each year. The Company's municipal street light tariff (SC No. 4) is annexed as Attachment 2. Under the tariff, the Company is not required to replace more than two (2%) percent of the luminaires in any lighting district in any one year with one of a different type or design unless the customer pays to the Company a replacement charge for the excess based on the net book value of the facilities to be replaced. The net book value is defined as the original cost of the facility to be replaced less the accrued book depreciation on such facility at the time of replacement. Replacement is defined as renewed service at the same location by the same customer within one year of termination.

Otherwise, municipal streetlight bulbs are replaced when a repair request is received by the municipality through the Municipal Streetlight Portal or through customer contact with Customer Assistance.

6. Physical Lights

A. LED Inventory

- i. What is your current LEDs inventory in terms of: (a) how many you have, (b) vintage year, (c) fixture types, (d) color temperature (Kelvin), (e) brightness levels (lumen output) and (f) costs for each bulb type?

Response:

See Attachment 1 for the Company's current LED inventory. The vintage year and cost of individual bulbs for each streetlight is not readily available at this time.

- ii. What type of LED fixtures and bulb types (brightness level and color) could a municipality in your service territory order? Can municipalities order LED fixture and bulb types of their choice from you?

Response:

The type of LED fixtures and bulb types that a municipality can request are set forth in the Company's Tariff, Service Classification No. 4, a copy of which is attached as Attachment 2.

- iii. Do you provide bulk discounts on LED purchases and, if so, what are they?

Response:

No.

- iv. Do you have a standard contract under which a municipality must procure its streetlights?

Response:

No.

B. Non-LED Inventory

- i. What is your current non-LED inventory? Please describe the models and numbers of each.

Response:

See Attachment 1 for the Company's current non-LED inventory.

- ii. What are the costs of bulbs for each streetlight fixture type?

Response:

The monthly costs for customers for each streetlighting fixture type are set forth in

the Company's Electric Tariff, Service Classification No. 4, a copy of which is attached as Attachment 2. As noted above, the cost of individual bulbs is not readily available at this time.

7. Poles

A. How does your ownership model for the poles work? Please explain.

Response:

The Company owns its poles. The Company has pole ownership parity agreements with Verizon and Warwick Valley Telephone. These agreements provide for an ownership ratio of 60% /40%. The Company is to maintain ownership of 60% of the joint pole population and the telephone companies are to maintain ownership of 40%.

B. Do you ever give municipalities an opportunity to purchase the poles from you?

Response:

No.

C. If municipalities do own the poles, what maintenance, replacement, or other pole-related services do you as an EDC provide to those municipalities?

Response:

Please see the Company's response to Question 7B above.

D. What challenges exist now to installing new technologies on poles such as motion activation, smart streetlight technologies, gunshot detection, traffic cameras, Wi-Fi hotspots, electric vehicle charging equipment, etc.? Please describe.

Response:

The Company currently works with municipalities installing security cameras and license plate readers. The main obstacle is finding space on already crowded poles. In certain cases, to accommodate a municipality's request, the Company will need to move wires and/or replace existing poles with taller poles.

8. Lighting Standards

A. What standards (list all, including Bright Sky standards) do you use to inform which types of lights can be installed along various roadways, as well as in parking areas and around parks, schools, hospitals, universities, other campuses?

Response:

The Company does not provide lighting option recommendations. For municipal streetlighting, the Company offers the lighting types that are available in the Company's

Electric Tariff, Service Classification No. 4, which is annexed as Attachment 2.

- B. How does compliance with each of these standards influence the range of fixtures you can offer to municipalities for their usage?

Response:

Please see the Company's response to Question 8A above.

9. Under an accelerated LED replacement program, please describe how the stranded cost issues with respect to the following could be resolved: (a) current inventory regarding spare streetlight bulbs and (b) currently operational bulbs that have been placed in light fixtures but have not yet reached the end of their useful life.

Response:

The Company does not have a recommendation at this time to address these specific issues, but all utility stranded costs should be recoverable by the utility on a timely basis.

10. Tariffs

- A. What is the current utility tariff and corresponding rate structure under such tariff for electric and gas streetlights, respectively?

Response:

The Company's Electric Tariff has two service classes related to streetlighting: SC No. 4 is for municipal street lighting and SC No. 6 is for private overhead lighting service. Copies of both SC No. 4 and No. 6 are annexed as Attachment 2. (The Company does not have gas streetlights in its territory.) Under these tariff sections, the Company owns the streetlight pole, and the customers are billed for distribution and transmission charges based on the type of lighting. The Company does not have any gas streetlights in its service territory.

- B. What tariff and what rate structure are you using when municipalities seek to pursue an LED streetlight conversion?

Response:

As noted in the response to question five above, the Company's electric tariff SC No. 4 allows any municipality to request that the Company replace two percent of the municipality's non-LED streetlights in any one year at no cost to the municipality. A copy of SC No. 4 is annexed as Attachment 2.

- C. What issues have you encountered with your current tariff structure with municipalities interested in conducting an LED streetlight conversion?

Response:

The Company has not encountered any issues with the current tariff structure with municipalities interested in conducting an LED streetlight conversion.

- D. Some utilities have designed tariffs to allow municipalities that convert streetlights to LEDs to pay the associated purchase, conversion, and/or stranded costs over time at a rate no greater than the electric energy cost savings, thereby avoiding any cost increase for the municipalities or ratepayers in general.

- i. Do you have such a tariff to prevent cost impacts for municipalities?

Response:

The Company does not have the tariff described in “D” above.

- ii. If not, do you intend to develop one to support LED streetlight conversions?

Response:

The Company currently has no plans to develop a tariff as described in “D” above.

- iii. What would be the impact of such a tariff on ratepayers in general?

Response:

The Company does not have sufficient information at this time to determine the impact on ratepayers of the tariff as described in “D” above.

- iv. What do you see as the overall benefits and drawbacks of such a proposal?

Response:

The Company does not have sufficient information at this time to determine the benefits and drawbacks of the tariff as described in “D” above.

- E. Would there be a benefit for municipalities to own the streetlights that are converted? In other words, if renting now, they would have the option to purchase and own the streetlights and be responsible for the replacement.

Response:

Whether there is a benefit to the municipality owning the streetlight is a determination for each municipality.

- F. What are the benefits of the utilities retaining ownership and maintenance of the streetlights that are converted.

Response:

A benefit of utility ownership is that municipalities that do not have the expertise or resources to install, operate, and maintain streetlighting, do not have to take on those responsibilities. A municipality's ability to install, operate, and maintain the streetlighting system is a major factor to be considered.

Municipalities that purchase the Company's streetlights and then convert them to LED lights, will be responsible for installing, operating, and maintaining the LED lights. The Company would perform and charge the municipality for any necessary make-ready work.

The Company strongly recommends that if the municipality purchases the streetlight, the municipality should be responsible for the installation, operation, and maintenance, as well as replacement of the streetlight.

11. Please describe any additional services that utilities may provide that are integrated into the conversion of LED fixtures.

Response:

There are no such additional services that the Company has identified for LED fixture conversions at this time.

Attachment 1

<u>COUNT</u>	<u>LIGHT_TYPE</u>	<u>LIGHT_DESCRIPTION</u>	<u>BULB_TYPE</u>	<u>LIGHT_WATTAGE</u>
175	LIT000101S	1000 LUM 8FT 101 IO	INCANDESCENT	92
1	LIT000110S	4000 LUM 110 M	MERCURY VAPOR	127
3,009	LIT000111S	4000 LUM 8FT 111 M	MERCURY VAPOR	127
14	LIT000112S	4000 LUM 15FT 112 M	MERCURY VAPOR	127
2	LIT000113S	7900 LUM 113 M	MERCURY VAPOR	211
1,298	LIT000114S	7900 LUM 8FT 114 M	MERCURY VAPOR	211
34	LIT000115S	7900 LUM 15FT 115 M	MERCURY VAPOR	211
1	LIT000116S	12000 LUM 4FT 116 M	MERCURY VAPOR	296
41	LIT000117S	12000 LUM 8FT 117 M	MERCURY VAPOR	296
88	LIT000120S	22500 LUM 4FT 120 M	MERCURY VAPOR	459
97	LIT000121S	22500 LUM 8FT 121 M	MERCURY VAPOR	459
41	LIT000122S	22500 LUM 15FT 122 M	MERCURY VAPOR	459
16	LIT000124S	40000 LUM 8FT 124 M	MERCURY VAPOR	786
1	LIT000125S	40000 LUM 15FT 125 M	MERCURY VAPOR	786
2	LIT000126S	59000 LUM 4FT 126 M	MERCURY VAPOR	1105
5	LIT000127S	59000 LUM 8FT 127 M	MERCURY VAPOR	1105
2	LIT000128S	59000 LUM 15FT 128 M	MERCURY VAPOR	1105
1	LIT000130S	5800 LUM 130 S	SODIUM VAPOR	108
2,442	LIT000131S	5800 LUM 8FT 131 S	SODIUM VAPOR	108
18	LIT000132S	5800 LUM 15FT 132 S	SODIUM VAPOR	108
1,404	LIT000134S	9500 LUM 8FT 134 S	SODIUM VAPOR	142
31	LIT000135S	9500 LUM 15FT 135 S	SODIUM VAPOR	142
92	LIT000137S	16000 LUM OS 137 S	SODIUM VAPOR	199
248	LIT000138S	16000 LUM 8FT 138 S	SODIUM VAPOR	199
31	LIT000139S	16000 LUM 15FT 139 S	SODIUM VAPOR	199
41	LIT000140S	27500 LUM 4FT 140 S	SODIUM VAPOR	311
131	LIT000141S	27500 LUM 8FT 141 S	SODIUM VAPOR	311
74	LIT000142S	27500 LUM 15FT 142 S	SODIUM VAPOR	311
102	LIT000143S	46000 LUM 4FT 143 S	SODIUM VAPOR	488
278	LIT000144S	46000 LUM 8FT 144 S	SODIUM VAPOR	488
32	LIT000145S	46000 LUM 15FT 145 S	SODIUM VAPOR	488
13	LIT000180S	3400 LUM 8FT 180 I	INDUCTION	45
2	LIT000182S	5950 LUM 8FT 182 I	INDUCTION	75
1	LIT000184S	8500 LUM 8FT 184 I	INDUCTION	110
1	LIT000185S	8500 LUM 15FT 185 I	INDUCTION	110
35	LIT000190S	5890 LUM 8FT 190 L	LED	74
1	LIT000191S	5890 LUM 15FT 191 L	LED	74
45	LIT000192S	9365 LUM 8FT 192 L	LED	101
16	LIT000193S	9365 LUM 15FT 193 L	LED	101
51	LIT000194S	3900 LUM 8FT 194 L	LED	35
12	LIT000196S	5000 LUM 8FT 196 L	LED	50
1	LIT000197S	5000 LUM 15FT 197 L	LED	50
15	LIT000198S	7250 LUM 8FT 198 L	LED	68
1	LIT000200S	12000 LUM 8FT 200 L	LED	103
1	LIT000201S	12000 LUM 15FT 201 L	LED	103
7	LIT000206S	3000 LUM 8FT 206 L	LED	23
<hr/>				9,954

Attachment 2

**SERVICE CLASSIFICATION NO. 4
PUBLIC STREET LIGHTING SERVICE**

APPLICABLE TO USE OF SERVICE FOR

Sales and delivery of electric power supply provided by the Company or delivery of electric power supply provided by an electric generation supplier under the Company's Retail Access Program for the purpose of lighting the streets, highways, roadways and ways open to public use where required by City, Town, County, State, or other Municipal or Public Agency or by an incorporated association of local residents in the State of New Jersey.

CHARACTER OF SERVICE

Service supplied hereunder shall be for limited period, dusk-to dawn illumination, photoelectrically controlled, approximately 4,100 hours per year, approximately 60 cycle and at appropriate voltages or currents designated by the Company.

The Company shall own, maintain and operate all facilities used to supply service hereunder except where noted. Locations of Company owned luminaires that are to be attached to Company facilities shall be determined in consultation with the customer, but shall be approved at the sole reasonable discretion of the Company.

A customer may designate the following types of service:

(1) Standard Overhead Service

Luminaires will be mounted on wood poles with the appropriate bracket using the Company's existing overhead distribution system.

(2) Underground Service

This service is only available where the Company has an existing underground distribution system or is in the process of constructing one. Luminaires will be mounted on poles of a type specified in the Company's most current standard for lighting poles for use in underground distribution systems.

(Continued)

ISSUED: May 17, 2010

EFFECTIVE: May 17, 2010

ISSUED BY: William Longhi, President
Saddle River, New Jersey 07458

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated May 12, 2010
in Docket No. ER09080668.

**SERVICE CLASSIFICATION NO. 4
PUBLIC STREET LIGHTING SERVICE (Continued)**

APPLICATION FOR SERVICE

The Company shall require a written application for additional service, after the effective date of this tariff sheet, to include a list of the quantity and type of luminaires to be supplied.

Such application when accepted by the Company, shall constitute an agreement between customer and Company, subject to the terms and conditions set forth in this Service Classification.

TERM

The Initial Term of service shall be five years. Service shall continue in effect thereafter until canceled by either party upon ninety days written notice. The Company shall require an Initial Term of five years for each additional installation.

DETERMINATION OF BILLING QUANTITIES

The charge for lighting service hereunder during each calendar month shall be based upon the number of luminaires in service as of the first day of that calendar month.

TERMS OF PAYMENT

Bills are due in accordance with General Information Section No. 10.

MONTHLY BURN HOURS TABLE

January	430	July	267
February	361 (*)	August	298
March	358	September	328
April	302	October	383
May	277	November	407
June	249	December	440

(*) 373 Burning Hours for Leap Year

(Continued)

ISSUED:	May 17, 2010	EFFECTIVE:	May 17, 2010
ISSUED BY:	William Longhi, President Saddle River, New Jersey 07458	Filed pursuant to Order of the Board of Public Utilities, State of New Jersey, dated May 12, 2010 in Docket No. ER09080668.	

**SERVICE CLASSIFICATION NO. 4
PUBLIC STREET LIGHTING SERVICE (Continued)**

RATE – MONTHLY

(1) Distribution and Transmission Charges

(a) Distribution Luminaire Charges

<u>Nominal Lumens</u>	<u>Luminaire Type</u>	<u>Watts</u>	<u>Total Wattage</u>	<u>Distribution Charge</u>
<u>Street Lighting Luminaires</u>				
5,800	Sodium Vapor	70	108	\$10.09
9,500	Sodium Vapor	100	142	10.95
16,000	Sodium Vapor	150	199	13.32
27,500	Sodium Vapor	250	311	17.01
46,000	Sodium Vapor	400	488	27.58
3,000	LED	15-29	23	9.27
3,900	LED	30-39	35	9.08
5,000	LED	40-59	50	9.11
7,250	LED	60-89	68	9.50
12,000	LED	90-129	103	10.67
16,000	LED	130-169	140	11.20
22,000	LED	170-220	200	16.40
<u>Flood Lighting Luminaires</u>				
15,500	LED	100-159	125	\$12.90
27,000	LED	160-249	205	16.45
37,500	LED	250-320	290	17.92

The following luminaires will no longer be installed. Charges are for existing luminaires only.

Street Lighting Luminaires

1,000	Open Bottom Incandescent	92	92	\$6.67
4,000	Mercury Vapor	100	127	9.04
7,900	Mercury Vapor	175	211	10.65
12,000	Mercury Vapor	250	296	13.85
22,500	Mercury Vapor	400	459	17.58
40,000	Mercury Vapor	700	786	26.74
59,000	Mercury Vapor	1,000	1,105	33.79

(Continued)

ISSUED: December 22, 2021

EFFECTIVE: January 1, 2022

ISSUED BY: Robert Sanchez, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated December 15,
2021 in Docket No. ER21050823.

**SERVICE CLASSIFICATION NO. 4
PUBLIC STREET LIGHTING SERVICE (Continued)**

RATE – MONTHLY (Continued)

(1) Distribution and Transmission Charges (Continued)

(a) Distribution Luminaire Charges (Continued)

<u>Nominal Lumens</u>	<u>Luminaire Type</u>	<u>Watts</u>	<u>Total Wattage</u>	<u>Distribution Charge</u>
<u>Street Lighting Luminaires (Continued)</u>				
3,400	Induction	40	45	\$10.56
5,950	Induction	70	75	10.75
8,500	Induction	100	110	12.14
5,890	LED	70	74	11.56
9,365	LED	100	101	14.19

Post-Top Luminaires

4,000	Mercury Vapor	100	130	\$13.75
7,900	Mercury Vapor	175	215	16.85
7,900	Merc. Vapor-Offset	175	215	19.78
16,000	Sodium Vapor-Offset	150	199	26.92

(b) Transmission Charges

A Transmission Charge of 1.223 ¢ per kWh will apply to all customers taking Basic Generation Service from the Company. Transmission charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. Transmission charges are not applicable to customers located in the Company's Eastern Division and obtaining Competitive Energy Supply. The Company's Eastern, Central and Western Divisions are defined in General Information Section No. 1. A Transmission Surcharge, to recover Reliability Must Run Charges, of 0.000 ¢ per kWh will also apply to all customers taking Basic Generation Service from the Company.

Transmission Charges shall be applied to the kWh estimate in the following manner:

kWh = (Total Wattage divided by 1,000) times Monthly Burn Hours*

*See Monthly Burn Hours Table

(Continued)

ISSUED: December 22, 2021

EFFECTIVE: January 1, 2022

ISSUED BY: Robert Sanchez, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated December 15,
2021 in Docket No. ER21050823.

SERVICE CLASSIFICATION NO. 4
PUBLIC STREET LIGHTING SERVICE (Continued)

RATE – MONTHLY (Continued)

(2) Additional Charge

- (a) An additional \$23.02 per luminaire per month will be charged for existing Underground Service where the Company owns and maintains the entire facilities.
- (b) An additional \$5.60 per luminaire per month will be charged for existing underground service where the customer has installed, owns and maintains the duct system complete, but not the aluminum standard or luminaire.
- (c) An additional \$0.63 per bracket per month will be charged for a fifteen foot bracket when installed.

(3) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge.

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge as described in General Information Section Nos. 33, 34, 36, and 37 respectively shall be assessed on all kWh delivered hereunder.

The charges shall be applied to the kWh estimate in the following manner:

kWh = (Total Wattage divided by 1,000) times Monthly Burn Hours*

* See Monthly Burn Hours Table.

(Continued)

ISSUED: December 22, 2021

EFFECTIVE: January 1, 2022

ISSUED BY: Robert Sanchez, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated December 15,
2021 in Docket No. ER21050823.

**SERVICE CLASSIFICATION NO. 4
PUBLIC STREET LIGHTING SERVICE (Continued)**

RATE – MONTHLY (Continued)

(4) Basic Generation Service

Customers taking Basic Generation Service from the Company will be billed for such service in accordance with General Information Section No. 31.

The Basic Generation Service charge applies to the kWh estimate in the following manner:

$$\text{kWh} = (\text{Total Wattage divided by 1,000}) \text{ times Monthly Burn Hours}^*$$

In accordance with Riders CBT and SUT, the charges in this Rate Schedule include provision for the New Jersey Corporation Business Tax and the New Jersey Sales and Use Tax. When billed to customers exempt from one or more of these taxes, as set forth in Riders CBT and SUT, such charges will be reduced by the relevant amount of such taxes included therein.

Taxes apply to the kWh estimate in the following manner:

$$\text{kWh} = (\text{Total wattage divided by 1,000}) \text{ times Monthly Burn Hours}^*$$

MINIMUM CHARGE PER LUMINAIRE

The Minimum Charge Per Luminaire shall be the monthly charge as specified in RATE – MONTHLY, Parts (1) and (2) times sixty months (five years). Should the monthly charge change during the Initial Term, the Minimum Charge Per Luminaire shall be prorated accordingly.

* See Monthly Burn Hours Table

(Continued)

ISSUED: July 31, 2014

EFFECTIVE: August 1, 2014

ISSUED BY: Timothy Cawley, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated July 23, 2014
in Docket No. ER13111135.

**SERVICE CLASSIFICATION NO. 4
PUBLIC STREET LIGHTING SERVICE (Continued)**

SPECIAL PROVISIONS

- (A) Charges to customers under revised or superseding Service Classification shall commence with the first day of billing period following effective date of such revised or superseding Service Classifications.
- (B) Service to customer owned lighting facilities shall not be made under this Service Classification except for existing underground services where the customer has installed, owns and maintains the duct system complete, but not the aluminum standards or luminaires.
- (C) A customer may apply for service hereunder for a proposed residential subdivision in which all electric facilities will be underground. Such application shall be signed by the customer and Builder or Developer and when accepted by the Company, shall constitute an agreement between the Company, customer and Builder or Developer subject to the terms and provisions hereunder. The Builder or Developer shall pay to the Company prior to the commencement of any construction all costs associated with the installation of the facilities to be serviced hereunder as described in General Information Section No. 17 and a prepayment of six times the total monthly charge for all luminaires installed. Said monthly charges shall be determined using the rates in effect at the time said costs and charges are determined. The Company shall not bill the customer for the first six months of service of the facilities installed under this provision.
- (D) The customer shall furnish the Company with all easements or rights-of-way necessary to provide service to the desired location before any installation or construction will be started.
- (E) The Company shall not be obligated to repair or replace in kind any obsolete luminaire for which it cannot reasonably obtain the necessary parts. The Company will remove the obsolete luminaire or, at the customer's request, replace it with any luminaire offered for service at that time for which the customer will be charged the appropriate rates.

(Continued)

ISSUED: May 17, 2010

EFFECTIVE: May 17, 2010

ISSUED BY: William Longhi, President
Saddle River, New Jersey 07458

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated May 12, 2010
in Docket No. ER09080668.

**SERVICE CLASSIFICATION NO. 4
PUBLIC STREET LIGHTING SERVICE (Continued)**

SPECIAL PROVISIONS (Continued)

- (F) Upon not less than 30 days prior written notice to the Company, the customer may require that the lighting of any luminaire or luminaires be discontinued. The Company shall have the right to remove all facilities serving such luminaires. For each luminaire removed prior to five years of service the customer shall pay the difference between the Minimum Charge Per Luminaire and the amount actually paid pursuant to the applicable monthly charge specified in RATE – MONTHLY, Parts (1) and (2).
- (G) The Company shall have the right to remove any Company owned equipment, or to discontinue service to customer owned equipment, which in the opinion of the Company shall have become unsatisfactory for further service by reason of deterioration, civil commotion, state of war, explosion, fire, storm, flood, lightning, or any other cause reasonably beyond the Company's control. Replacement shall be limited to equipment considered appropriate by the Company at the date of re-installation.
- (H) Upon termination of service hereunder the Company shall have the right within a reasonable time thereafter to remove all facilities placed, installed or used by it pursuant to the service hereunder.

Upon making such removal, the Company shall leave the public streets and places affected thereby in the same or as good condition as they were immediately thereto.

- (I) If the Company is suitably notified of a lamp outage it will endeavor to restore service within 2 nights of said notice.

Should the Company be unable to restore service within 2 nights it shall make an allowance to the customer's bill as follows:

Total Applicable Nights = Total Outage Nights minus 2 Nights

Allowance = $\frac{\text{Total Applicable Nights} \times \text{Total Monthly Charge}}{\text{Total Nights in the Billing Period}}$

Applicable kWh = $\frac{\text{Total Applicable Nights} \times \text{Monthly Burn Hours} \times \text{Total Wattage}}{\text{Total Nights in the Billing Period} \times 1,000}$

Where the customer owns and is responsible for the maintenance of its Street Lighting system, no credit will be given for outages caused by defective customer equipment.

(Continued)

ISSUED: May 17, 2010

EFFECTIVE: May 17, 2010

ISSUED BY: William Longhi, President
Saddle River, New Jersey 07458

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated May 12, 2010
in Docket No. ER09080668.

**SERVICE CLASSIFICATION NO. 4
PUBLIC STREET LIGHTING SERVICE (Continued)**

SPECIAL PROVISIONS (Continued)

- (J) As a condition of receiving service hereunder, the customer authorizes the Company, insofar as it lawfully may, to trim, cut, remove and to keep trimmed, cut and removed any trees and all other obstructions which, in the opinion of the Company, interfere with or may tend to interfere with the construction, operation and maintenance of the Company's service hereunder. Tree trimming required for light distribution on the highway, street and/or sidewalk surfaces is the responsibility of the customer, and shall be done by the customer or at the customer's expense.
- (K) The Company shall not be required to replace more than two (2%) percent of the luminaires in any lighting district in any one year with one of a different type or design unless the customer shall pay to the Company a replacement charge for the excess based on the net book value of the facilities to be replaced. The net book value is defined as the original cost of the facility to be replaced less the accrued book depreciation on such facility at the time of replacement. Replacement is defined as renewed service at the same location by the same customer within one year of termination.

ISSUED: May 17, 2010

EFFECTIVE: May 17, 2010

ISSUED BY: William Longhi, President
Saddle River, New Jersey 07458

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated May 12, 2010
in Docket No. ER09080668.

**SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE**

APPLICABLE TO USE OF SERVICE FOR

Sales and delivery of electric power supply provided by the Company or delivery of electric power supply provided by an electric generation supplier under the Company's Retail Access Program for outdoor lighting of areas, beyond the limits of public streets, highways or roadways, for use of individuals and private or public organizations where existing distribution facilities are suitable for the service requested.

CHARACTER OF SERVICE

Service supplied hereunder shall be for limited period, dusk-to dawn illumination, photoelectrically controlled, approximately 4,100 hours per year, approximately 60 cycle and at appropriate voltages or currents designated by the Company except as provided for under Service Type C, Energy Only Service.

The Company shall own, maintain and operate all facilities used to supply service hereunder except where noted.

A customer may elect either of the following types of service:

(A) Overhead Service

Luminaires will be mounted on wood poles with the appropriate bracket using the Company's existing distribution facilities. (See Special Provisions A and B)

(B) Underground Service

Luminaires will be mounted on poles of a type specified in the Company's most current standard for lighting poles for use in underground distribution systems. This service is only available, where the Company has an existing underground distribution system or is in the process of constructing one, for the purpose of lighting streets or roadways in developments where such streets or roadways will not be dedicated to a municipal authority. Customer shall pay to the Company the installed cost of all facilities required except for the bracket, luminaire and photo-electric control, prior to the commencement of construction of such facilities.

(Continued)

ISSUED: May 17, 2010

EFFECTIVE: May 17, 2010

ISSUED BY: William Longhi, President
Saddle River, New Jersey 07458

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated May 12, 2010
in Docket No. ER09080668.

**SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)**

CHARACTER OF SERVICE (Continued)

(C) Energy Only Service

Energy will be supplied to customers who have installed, own and will maintain all facilities necessary to provide outdoor lighting. Customer's lighting facilities shall not be mounted on Company owned facilities.

Service taken hereunder shall be measured by meters furnished, installed and maintained by the Company. The customer may request unmetered service for installations controlled by photoelectric devices of a type approved by the Company that will provide for approximately 4,100 hours of lighting per year. Customers taking unmetered service shall provide the Company advance notice in writing of any change in lighting equipment or in use of service supplied on an unmetered basis. The Company reserves the right at any time to meter service previously supplied on an unmetered basis. Service shall be continuous, 60 cycles, A.C. single or three phase secondary, if available, at approximately 120/208 Volts or 120/240 Volts.

(Continued)

ISSUED: May 17, 2010

EFFECTIVE: May 17, 2010

ISSUED BY: William Longhi, President
Saddle River, New Jersey 07458

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated May 12, 2010
in Docket No. ER09080668.

SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)

RATE – MONTHLY

(1) Distribution and Transmission Charges

(a) Luminaire Charges for Service Types A and B

<u>Nominal Lumens</u>	<u>Luminaire Type</u>	<u>Watts</u>	<u>Total Wattage</u>	<u>Distribution Charge</u>
---------------------------	-----------------------	--------------	--------------------------	--------------------------------

Power Bracket Luminaires

5,800	Sodium Vapor	70	108	\$7.31
9,500	Sodium Vapor	100	142	8.79
16,000	Sodium Vapor	150	199	9.43
3,950	LED	25-39	35	8.54
5,550	LED	45-55	50	8.67
7,350	LED	56-70	65	8.75

Street Lighting Luminaires

5,800	Sodium Vapor	70	108	\$10.17
9,500	Sodium Vapor	100	142	11.16
16,000	Sodium Vapor	150	199	13.72
27,500	Sodium Vapor	250	311	17.59
46,000	Sodium Vapor	400	488	29.03
3,000	LED	15-29	23	9.27
3,900	LED	30-39	35	9.08
5,000	LED	40-59	50	9.11
7,250	LED	60-89	68	9.50
12,000	LED	90-129	103	10.67
16,000	LED	130-169	140	11.20
22,000	LED	170-220	200	16.40

Flood lighting Luminaires

46,000	Sodium Vapor	400	488	29.03
15,500	LED	100-159	125	12.90
27,000	LED	160-249	205	16.45
37,500	LED	250-320	290	17.92

(Continued)

ISSUED: December 22, 2021

EFFECTIVE: January 1, 2022

ISSUED BY: Robert Sanchez, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated December 15,
2021 in Docket No. ER21050823.

SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)

RATE – MONTHLY (Continued)

(1) Distribution and Transmission Charges (Continued)

(a) Luminaire Charges for Service Types A and B (Continued)

Nominal <u>Lumens</u>	<u>Luminaire Type</u>	<u>Watts</u>	Total <u>Wattage</u>	Distribution <u>Charge</u>
--------------------------	-----------------------	--------------	-------------------------	-------------------------------

The following luminaires will no longer be installed. Charges are for existing luminaires only.

Power Bracket Luminaires

4,000	Mercury Vapor	100	127	\$11.34
7,900	Mercury Vapor	175	215	13.11
22,500	Mercury Vapor	400	462	20.92

Post Top Luminaires

16,000	Sodium Vapor-Offset	150	199	\$27.00
--------	---------------------	-----	-----	---------

Street Lighting Luminaires

4,000	Mercury Vapor	100	127	\$12.48
7,900	Mercury Vapor	175	211	14.26
22,500	Mercury Vapor	400	459	22.16
1,000	Incandescent	-	92	10.14
3,400	Induction	40	45	10.94
5,950	Induction	70	75	11.18
8,500	Induction	100	110	12.60
5,890	LED	70	74	11.98
9,365	LED	100	101	14.75

Flood lighting Luminaires

12,000	Mercury Vapor	250	296	\$17.93
40,000	Mercury Vapor	700	786	32.47
59,000	Mercury Vapor	1,000	1,105	40.43

(Continued)

ISSUED: December 22, 2021

EFFECTIVE: January 1, 2022

ISSUED BY: Robert Sanchez, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated December 15,
2021 in Docket No. ER21050823.

SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)

RATE – MONTHLY (Continued)

(1) Distribution and Transmission Charges (Continued)

(b) Distribution Charges for Service Type C

Metered Service - Customer Charge at \$16.00 per month plus
Distribution Charge at 6.444 ¢ per kWh; or

Unmetered Service - Customer Charge at \$4.00 per month plus
Distribution Charge at 6.444 ¢ per kWh.

(c) Transmission Charges for Service Types A, B, and C

A Transmission Charge of 1.223 ¢ per kWh will apply to all customers taking Basic Generation Service from the Company. Transmission charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. Transmission charges are not applicable to customers located in the Company's Eastern Division and obtaining Competitive Energy Supply. The Company's Eastern, Central and Western Divisions are defined in General Information Section No. 1. A Transmission Surcharge, to recover Reliability Must Run Charges, of 0.000 ¢ per kWh will also apply to all customers taking Basic Generation Service from the Company.

For service type A, B, or C if not metered, the charges shall be applied to the kWh estimated as follows:

kWh = (Total Wattage divided by 1,000) times Monthly Burn Hours*

(2) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge.

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, Temporary Tax Act Credit, and Zero Emission Certificate Recovery Charge as described in General Information Section Nos. 33, 34, 36, and 37 respectively shall be assessed on all kWh delivered hereunder. For service type A, B, or C if not metered, the charges shall be applied to the kWh estimated as follows:

kWh = (Total Wattage divided by 1,000) times Monthly Burn Hours*

* See Monthly Burn Hours Table.

(Continued)

ISSUED: December 22, 2021

EFFECTIVE: January 1, 2022

ISSUED BY: Robert Sanchez, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated December 15,
2021 in Docket No. ER21050823.

**SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)**

RATE – MONTHLY (Continued)

(3) Basic Generation Service

Customers taking Basic Generation Service from the Company will be billed for such service in accordance with General Information Section No. 31. For service type A, B, or C if not metered, the Basic Generation Service charge shall be applied to the kWh estimated as follows:

$$\text{kWh} = (\text{Total Wattage divided by 1,000}) \text{ times Monthly Burn Hours}^*$$

In accordance with Riders CBT and SUT, the charges in this Rate Schedule include provision for the New Jersey Corporation Business Tax and the New Jersey Sales and Use Tax. When billed to customers exempt from one or more of these taxes, as set forth in Riders CBT and SUT, such charges will be reduced by the relevant amount of such taxes included therein.

Taxes apply to the kWh estimate in the following manner:

$$\text{kWh} = (\text{Total wattage divided by 1,000}) \text{ times Monthly Burn Hours}^*$$

MONTHLY BURN HOURS TABLE

January	430	July	267
February	361 (**)	August	298
March	358	September	328
April	302	October	383
May	277	November	407
June	249	December	440

* See Monthly Burn Hours Table.

** 373 Burning Hours for Leap Year

(Continued)

ISSUED: July 31, 2014

EFFECTIVE: August 1, 2014

ISSUED BY: Timothy Cawley, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated July 23, 2014
in Docket No. ER13111135.

SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)

MINIMUM CHARGE

The minimum charge per luminaire for Service Type A or B shall be the sum of the monthly Distribution and Transmission Charges as specified in RATE – MONTHLY, Part (1a) times twelve. Should the monthly charge be revised during the initial term, the minimum charge per installation shall be prorated accordingly.

The minimum charge for Service Type C - Metered shall be \$16.00 per month and not less than \$192.00 for the initial term.

The minimum charge for Service Type C - Unmetered shall be \$4.00 per month and not less than \$48.00 for the initial term.

TERM

The Initial Term shall be one year. Service shall continue in effect thereafter until canceled by either party upon thirty days written notice. The Company shall require an Initial Term of one year for each luminaire for Service Types A or B.

TERMS OF PAYMENT

Bills are due in accordance with General Information Section No. 10.

(Continued)

ISSUED: December 22, 2021

EFFECTIVE: January 1, 2022

ISSUED BY: Robert Sanchez, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated December 15,
2021 in Docket No. ER21050823.

SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)

SPECIAL PROVISIONS

Special Provisions A, B, D, E, F, and J apply only to Service Types A and B. Special Provision K applies only to Service Type C. Special Provisions C, G, H, and I apply to Service Types A, B, and C.

- (A) Street lighting luminaires will normally be mounted on eight foot aluminum brackets. Fifteen foot brackets are available at an additional charge of \$0.71 per bracket per month.
- (B) Luminaires will be installed free of charge where all facilities necessary to serve a luminaire are present. Customer shall pay the cost of any additional facilities required, prior to the commencement of the construction of such facilities.
- (C) The customer shall furnish the Company with all easements or rights-of-way necessary to provide service to the desired location before any installation or construction will be started.
- (D) A customer may apply for service hereunder for a proposed residential subdivision in which all electric facilities will be underground. Such application shall be signed by the customer and builder or developer and when accepted by the Company, shall constitute an agreement between the Company, customer and builder or developer subject to the terms and provisions hereunder.

The builder or developer shall pay to the Company prior to the commencement of any construction all costs associated with the installation of the facilities to be serviced hereunder and shall prepay six times the total monthly charge for all luminaires installed. Said monthly charges shall be determined using the rates in effect at the time said costs and charges are determined. The Company shall not bill the customer for the first six months of service of the facilities installed under this special provision.

- (E) The Company shall not be obligated to repair or replace in kind any obsolete luminaire for which it cannot reasonably obtain the necessary parts. The Company will remove the obsolete luminaire or at the customer's request, replace it with any luminaire offered for service at that time for which the customer will be charged the appropriate rates.

(Continued)

ISSUED: December 22, 2021

EFFECTIVE: January 1, 2022

ISSUED BY: Robert Sanchez, President
Mahwah, New Jersey 07430

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated December 15,
2021 in Docket No. ER21050823.

**SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)**

SPECIAL PROVISIONS (Continued)

- (F) Upon not less than 30 days prior written notice to the Company, the customer may require that the lighting of any luminaire or luminaires be discontinued. The Company shall have the right to remove all facilities serving such luminaires. For each luminaire removed prior to one year of service the customer shall pay the difference between the Minimum Charge and the amount actually paid pursuant to the applicable monthly charge specified in RATE – MONTHLY, Part (1).
- (G) The Company shall have the right to remove any Company owned equipment, or to discontinue service to customer owned equipment, which in the opinion of the Company shall have become unsatisfactory for further service by reason of deterioration, civil commotion, state of war, explosion, fire, storm, flood, lightning, or any other cause reasonably beyond the Company's control. Replacement shall be limited to equipment considered appropriate by the Company at the date of re-installation.
- (H) Upon termination of service hereunder the Company shall have the right within a reasonable time thereafter to remove all facilities placed, installed or used by it pursuant to the service hereunder. Upon making such removal, the Company shall leave the places affected thereby in the same or as good condition as they were immediately thereto.
- (I) As a condition of receiving service hereunder, the customer authorizes the Company, insofar as it lawfully may, to trim, cut, remove and to keep trimmed, cut and removed any trees and all other obstructions which, in the opinion of the Company interfere with or may tend to interfere with the construction, operation and maintenance of the Company's service hereunder. Tree trimming required for proper light distribution shall be the responsibility of the customer and shall be done by the customer or at the customer's expense.

(Continued)

ISSUED: May 17, 2010

EFFECTIVE: May 17, 2010

ISSUED BY: William Longhi, President
Saddle River, New Jersey 07458

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated May 12, 2010
in Docket No. ER09080668.

**SERVICE CLASSIFICATION NO. 6
PRIVATE OVERHEAD LIGHTING SERVICE (Continued)**

SPECIAL PROVISIONS (Continued)

- (J) If the Company is suitably notified of a lamp outage it will endeavor to restore service within 2 nights of said notice. Should the Company be unable to restore service within 2 nights, it shall make an allowance to the customer's bill as follows:

Total Applicable Nights = Total Outage Nights minus 2 Nights

Allowance = $\frac{\text{Total Applicable Nights} \times \text{Total Monthly Charge}}{\text{Total Nights in the Billing Period}}$

Applicable kWh = $\frac{\text{Total Applicable Nights} \times \text{Monthly Burn Hours} \times \text{Total Wattage}}{\text{Total Nights in the Billing Period} \times 1,000}$

- (K) Customers taking Energy Only Service which will be controlled by photoelectric devices, shall provide to the Company, prior to installation of any luminaire, the manufacturer's specifications for the luminaire and such other information the Company shall require in order to determine the electrical demands of the luminaires. Customers shall make no changes to the luminaires installed without providing thirty days' written notice to the Company.

ISSUED: May 17, 2010

EFFECTIVE: May 17, 2010

ISSUED BY: William Longhi, President
Saddle River, New Jersey 07458

Filed pursuant to Order of the Board of Public
Utilities, State of New Jersey, dated May 12, 2010
in Docket No. ER09080668.