



Heather Shirley Smith  
Deputy General Counsel

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December 31, 2013

**Via Electronic Filing**

Ms. Gail Mount, Chief Clerk  
North Carolina Utilities Commission  
4325 Mail Service Center  
Raleigh, North Carolina 27699-4325

RE: NCUC Docket No. E-7, Sub 1026

Dear Ms. Mount:

Pursuant to the North Carolinas Utilities Commission's (the "Commission") September 24, 2013 *Order Granting General Rate Increase* (the "Order") in Docket Number E-7, Sub 1026, Ordering Paragraph 29 directs Duke Energy Carolinas, LLC ("Duke Energy Carolinas" or the "Company") to file a new LED-based lighting tariff with the Commission by December 31, 2013. In developing the filing, Ordering Paragraph 29 also directs the Company to consider the issues brought forward in this proceeding by the North Carolina League of Municipalities ("NCLM") and the City of Durham, which the Company has done. Moreover, the Company has notified Duke Energy Carolinas municipal customers of our intention to file for approval of new LED rates.

Consistent with the commitments the Company made in this case, and in compliance with the Commission's Order, Duke Energy Carolinas is filing the attached rate schedules which will enable the Company to begin offering standard LED rate options on the outdoor lighting Schedules OL, GL, and for replacements on Schedule PL. These revised schedules will allow the Company to begin transitioning its standard offering for new lighting away from the High Pressure Sodium ("HPS") and Metal Halide ("MH") options currently available on outdoor lighting tariffs, and toward LED products. The Company believes that the maintenance and energy savings more than offset the higher installation costs associated with LEDs.

The Company anticipates significant demand for its new LED rate offerings. Customers may enter into an agreement for a new installation of LED lights under the proposed schedules, and the Company plans to prioritize those requests. The Company also proposes in the revised schedules to provide for a change out of Mercury Vapor ("MV") lamps to LEDs upon failure of

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either the lamp or the ballast. This is likely a more desirable change than the current practice of replacing with an HPS luminaire due to the LED color being more similar to MV lamps. Currently, failure of the ballast alone results in a change out to an HPS luminaire. For this reason, LEDs will be added to closed rate schedule PL for MV change outs only due to failure. Additionally, customers who voluntarily seek to replace MV lights with LEDs may also enter into an agreement for LED lighting under the proposed schedules. MV lights are being transitioned out of the outdoor lighting industry due to environmental and other concerns. After gaining more experience with the LED fixtures while serving these initial eligible customers' needs related to new installations and MV replacements, the Company plans to evaluate and potentially develop an offering for customers seeking to replace HPS fixtures with LED luminaires fixtures.

Please let me know, at your earliest convenience, if you have any questions regarding this matter.

Sincerely,

  
Heather Shirley Smith

cc: Parties of Record

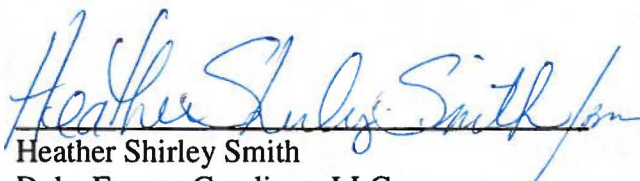
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CERTIFICATE OF SERVICE

DOCKET NO. E-7, SUB 1026

I certify that a copy of Duke Energy Carolinas, LLC's proposing new LED-based lighting tariffs have been served by electronic mail (email), hand delivery, or by depositing a copy in the United States Mail, first class postage prepaid, properly addressed to the parties of record.

This the 31<sup>st</sup> day of December, 2013.

A handwritten signature in blue ink, reading "Heather Shirley Smith", is written over a horizontal line.

Heather Shirley Smith  
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SCHEDULE GL (NC)  
GOVERNMENTAL LIGHTING SERVICEAILABILITY (North Carolina Only)

Available for all-night outdoor lighting service to Municipal, County State, and Federal Governments solely for the purpose of lighting public streets, highways, and other public places. All facilities necessary for service under this Schedule, including fixtures, lamps, controls, poles, hardware, transformers, conductors, and other appurtenances shall be owned and maintained by the Company. Service using overhead conductors is not available in any area designated by the Company as underground distribution area, nor in any area, location, or premises being served from an underground source. This Schedule is not available for service to non-governmental entities. This Schedule is not available for seasonal or other part-time operation of outdoor luminaires.

RATE:(A) Bracket-Mounted Luminaires

All-night street lighting service using overhead conductors and Company standard equipment mounted on standard wood poles. "Urban" luminaires are defined as "cobra-style" fixtures with enclosed refractive or flat lenses and horizontal-burning lamps. Existing Pole" is defined as a pole utilized for distribution facilities and not solely to support the luminaire.

<u>Lamp Rating</u>			<u>Per Month Per Luminaire</u>		
<u>Lumens</u>	<u>kWh Per Month</u>	<u>Style</u>	<u>Existing Pole (1)</u>	<u>New Pole</u>	<u>New Pole Served Underground</u>
<b>High Pressure Sodium Vapor</b>					
9,500	47	Urban	\$10.61	\$15.66	\$19.23
16,000	70	Urban	\$11.45	\$16.51	\$20.09
27,500	104	Urban	\$13.54	\$18.59	\$22.18
50,000	156	Urban	\$16.50	\$21.55	\$25.13
<b>Metal Halide</b>					
9,000	43	Urban	\$12.15	\$17.20	\$20.78
40,000	155	Urban	\$19.63	\$24.68	\$28.26
78,000	295	Area	\$45.36	\$50.41	\$54.00
<b>Light Emitting Diode (2)</b>					
4,500	18	Area 50 watts	\$9.02	\$14.07	\$17.65
6,500	25	Area 70 watts	\$9.22	\$14.27	\$17.85
9,500	40	Area 110 watts	\$11.21	\$16.26	\$19.84
12,500	54	Area 150 watts	\$12.52	\$17.57	\$21.15
18,500	79	Area 220 watts	\$14.69	\$19.74	\$23.32
24,000	101	Area 280 watts	\$16.77	\$21.82	\$25.40

- (1) The "Existing Pole rate is applicable to a luminaire installed on a pole which does not solely support the luminaire, or for an additional luminaire on the same pole as another luminaire.
- (2) Light Emitting Diode (LED) luminaires are available only for new installations after (date), and are not available as replacements for High Pressure Sodium Vapor or Metal Halide luminaires.

RIDERS

The following Riders are applicable to service supplied under this schedule. The currently approved cents/kWh rider increment or decrement must be added to the cents/kWh rates shown above to determine the monthly bill.

Leaf No. 60	Fuel Cost Adjustment Rider
Leaf No. 62	Energy Efficiency Rider
Leaf No. 64	Existing DSM Program Costs Adjustment Rider
Leaf No. 77	Coal Inventory Rider
Leaf No. 98	Merger Capacity Mitigation Rider
Leaf No. 105	BPM Prospective Rider
Leaf No. 106	BPM True-Up Rider
Leaf No. 107	Cost of Removal Rider

SCHEDULE GL (NC)  
GOVERNMENTAL LIGHTING SERVICE(B) Other Luminaires

Decorative and non-standard luminaires can be installed on request, at the Company's option, at the rate in (A) above plus an extra monthly charge equal to 1.1% of the estimated difference in cost installed between the luminaire and structure requested and the equivalent luminaire and wood pole in (A) above.

(C) Underground Charges

- (1) Additional monthly charge for the underground conductor system:  
\$.07 for each increment of 10 feet, or less, over 150 feet per pole
- (2) When the installation requires the cutting and replacing of pavement of more than one drive or one walkway per luminaire, 1.1% of the estimated cost of this cutting and replacing of pavement will be added to the charges above.
- (3) When an installation is in an area served by a concrete-encased duct system, additional charges stated above will not apply and, instead, the additional monthly charge will be 1.1% of the estimated cost of the underground conductor system.
- (4) An underground conductor system, up to 150 feet per pole, can be installed to an existing pole under the "Existing Pole" rate in (A) above, for an additional monthly charge of \$ 3.58 per pole. For installations over 150 feet per pole, the charges under (C) (1) above will apply in addition to the \$ 3.58 charge.

(D) Other Charges

- (1) Wood poles longer than 40 feet may be installed for an extra monthly charge equal to 1.1% of the estimated installed cost difference between the standard wood pole and the pole requested.
- (2) Standard wood poles may be provided for \$ 6.71 per pole per month when provided solely to support traffic signals.
- (3) Brackets longer than 12 feet, but not longer than 20 feet can be installed for an additional monthly charge of \$4.50.
- (4) Should the number of poles in the secondary extension required to serve the luminaire(s) exceed the number of poles on which bracket-mounted luminaires are installed, a monthly charge of \$ 5.05 per pole shall be made for such excess number of poles.
- (5) When the installation requested requires a primary extension solely to serve the luminaires, an additional monthly charge of 1.1% of the estimated cost of the primary extension will be made.
- (6) At the Company's option and upon customer request, a monitoring device which automatically notifies the Company when a luminaire has failed can be installed for an additional monthly charge of \$2.50.

OPTIONAL PREPAYMENT OF CERTAIN CHARGES

The Customer may, at its option, prepay the initial capital cost of poles and underground wiring, in which case the monthly rate per luminaire shall be the Existing Pole Rate shown above.

PAYMENT

Bills under this Schedule are due and payable on the date of the bill at the office of the Company. Bills are past due and delinquent on the fifteenth day after the date of the bill. If any bill is not so paid, the Company has the right to suspend service. In addition, all bills not paid by the twenty-fifth day after the date of the bill shall be subject to a one percent (1%) late payment charge on the unpaid amount. This late payment charge shall be rendered on the following month's bill and it shall become part of, and be due and payable with, the bill on which it is rendered.

CONTRACT PERIOD

The original term of contract may be from a minimum of three (3) years to a maximum of ten (10) years. Contracts will continue after the original term until terminated by either party on thirty days' written notice. The Customer may amend or terminate the Agreement before the expiration of the initial Contract Period by paying to the Company a sum of money equal to 40% of the monthly bills which otherwise would have been rendered for the remaining term of the initial Contract Period, less the monthly bills for the initial term of contract of any successor customer who has applied for lighting service at the premises prior to the effective date of the contract amendment or termination, provided, however, this amount shall not be less than zero. The Company may require a deposit not to exceed 40% of the revenue for the original term. The deposit will be returned at the end of the original term, provided the Customer has met all provisions of the contract. Minimum term of contract for specific situations shall be:

- (a) Three years for all luminaires designated as standard by the Company.
- (b) Ten years for all luminaires designated as decorative or nonstandard or when a primary extension is required solely to serve the luminaires.

SCHEDULE OL (NC)  
OUTDOOR LIGHTING SERVICEAVAILABILITY (North Carolina Only)

Available to the individual customer for lighting of outdoor areas at locations on the Company's distribution system. Service under this Schedule may be withheld or discontinued at the option of the Company.

RATE:(A) Bracket-Mounted Luminaires

All-night outdoor lighting service using Company standard equipment mounted on standard poles:

<u>Lamp Rating</u>	<u>Per Month Per Luminaire</u>		
	<u>Existing Pole (1)</u>	<u>New Pole</u>	<u>New Pole Served Underground</u>
<u>Lumens</u>	<u>kWh Per Month</u>	<u>Style</u>	
<b>High Pressure Sodium Vapor</b>			
4,000	21	Post Top (2)	NA
9,500	47	Suburban (3)	\$9.66
9,500	47	Urban	\$10.90
13,000	56	Suburban (4) (in suitable mercury fixture)	\$10.57
16,000	70	Urban	\$11.77
27,500	104	Urban	\$13.92
50,000	156	Urban	\$16.96
<b>Metal Halide</b>			
9,000	43	Urban	\$12.49
40,000	155	Urban	\$20.18
78,000	295	Area	\$46.62
110,000	395	Area	\$63.76
<b>Mercury Vapor *</b>			
4,000	41	Suburban (7)	\$8.69
4,000	41	Post Top (2)	\$7.98(5)
4,000	41	Post Top (7)	\$10.53
7,500	75	Suburban (3)	\$8.71
7,500	75	Urban (6)	\$9.82
7,500	75	Post Top (7)	\$15.02
20,000	152	Urban (6)	\$13.50
<b>Light Emitting Diode (8)</b>			
4,500	18	Area 50 watts	\$9.02
6,500	25	Area 70 watts	\$9.22
9,500	40	Area 110 watts	\$11.21
12,500	54	Area 150 watts	\$12.52
18,500	79	Area 220 watts	\$14.69
24,000	101	Area 280 watts	\$16.77

- (1) The "Existing Pole" rate is applicable to installations, including pole, installed prior to November 12, 1991. After this date, the "Existing Pole" rate is available only for luminaires attached to poles which are not installed solely to support the luminaire.
- (2) Luminaire is not available for the lighting of streets, roadways, and other vehicle thoroughfares.
- (3) Closed to new installations on or after July 1, 2005
- (4) Closed to new installations on or after September 15, 1985
- (5) Closed to new installations on or after November 12, 1991
- (6) Closed to new contracts on or after October 1, 2007 for luminaires installed before January 1, 2008
- (7) Closed to new installations

SCHEDULE OL (NC)  
OUTDOOR LIGHTING SERVICE

- (8) Light Emitting Diode (LED) luminaires are available for new installations after (date), as replacements for failed mercury vapor luminaires, and for customer requested replacements of existing mercury vapor luminaires, provided the fixture will accommodate an LED luminaire as a replacement. LED luminaires are not available as replacements for High Pressure Sodium Vapor or Metal Halide luminaires.

- \* Mercury vapor luminaires are no longer available and will not be repaired if they fail. Upon failure the Company will convert any standard luminaire to an LED luminaire of similar size and lumen output. If the existing mercury vapor fixture is nonstandard and a comparable LED luminaire is not available, the Company will replace it with another available luminaire.

Other Luminaires

Decorative and non-standard luminaires can be installed on request, at the Company's option, at the rate in (A) above plus an extra monthly charge equal to 1.1% of the estimated difference in cost installed between the luminaire and structure requested and the equivalent luminaire and wood pole in (A) above.

(B) Underground Charges

- (1) Additional monthly charge for the underground conductor system:  
\$.07 for each increment of 10 feet, or less, over 150 feet per pole
- (2) When the installation requires the cutting and replacing of pavement of more than one drive or one walkway per luminaire, 1.1% of the estimated cost of this cutting and replacing of pavement will be added to the charges above.
- (3) When an installation is in an area served by a concrete-encased duct system, additional charges stated above will not apply and, instead, the additional monthly charge will be 1.1% of the estimated cost of the underground conductor system.
- (4) An underground conductor system, up to 150 feet per pole, can be installed to an existing pole under the "Existing Pole" rate in (A) above, for an additional monthly charge of \$ 4.77 per pole. For installations over 150 feet per pole, the charges under (C) (1) above will apply in addition to the \$ 4.77 charge.

RIDERS

The following Riders are applicable to service supplied under this schedule. The currently approved cents/kWh rider increment or decrement must be added to the cents/kWh rates shown above to determine the monthly bill.

Leaf No. 60	Fuel Cost Adjustment Rider
Leaf No. 62	Energy Efficiency Rider
Leaf No. 64	Existing DSM Program Costs Adjustment Rider
Leaf No. 77	Coal Inventory Rider
Leaf No. 98	Merger Capacity Mitigation Rider
Leaf No. 105	BPM Prospective Rider
Leaf No. 106	BPM True-Up Rider
Leaf No. 107	Cost of Removal Rider

EXPLANATORY NOTES AND OTHER CHARGES

- (1) Lamps will burn from approximately one half-hour after sunset until approximately one half-hour before sunrise. The Company will readily replace burned-out lamps and otherwise maintain the luminaires during regular daytime working hours following notification by the Customer.
- (2) Luminaires will be installed only on Company-owned poles, and all facilities necessary for service under this Schedule, including fixtures, lamps, controls, poles, hardware, transformers, conductors, and other appurtenances shall be owned and maintained by the Company.
- (3) Equipment (such as disconnecting switches) not supplied by the Company as standard is not available under this Schedule, and shall not be installed by the Customer.
- (4) This Schedule is not available for seasonal or other part-time operation of outdoor luminaires.
- (5) Color-improved lamps installed prior to October 1, 2007 are supplied for an extra charge of \$1.04 per lamp per month. For luminaires installed prior to October 1, 2007 there will be no additional charge for color-improved lamps installed as replacements for clear mercury vapor luminaires, nor for color improved lamps installed in new luminaires on or after October 1, 2007.

SCHEDULE OL (NC)  
OUTDOOR LIGHTING SERVICE

- (6) Service using overhead conductors is not available in any area designated by the Company as underground distribution area, nor in any area, location, or premises being served from an underground source.
- (7) All luminaires except the 110,000 lumen metal halide fixture will be installed on standard 30-foot, class 6 size wood poles. The 110,000 lumen metal halide fixture will be installed on standard 40-foot, class 5 wood poles. On Customer request, and for an additional charge, all luminaires, except the 110,000 lumen metal halide fixture can be installed on wood poles larger than the standard 30-foot, class 6 size, if the location permits the use of bucket-type equipment for mounting and servicing: 35-foot, class 5 pole for 31 cents per month, or 40-foot, class 5 pole for 42 cents per month. Other size poles, or structures other than standard wood poles, can be installed for an extra monthly charge equal to 1.1% of the estimated installed cost difference between the requested pole or structure, and the standard wood pole, but not less than \$5.59 per month per pole or structure. Brackets longer than 30 inches, but not longer than 20 feet, can be installed where use of bucket-type equipment is permitted for an extra charge of 73 cents per month per bracket.
- (8) Where two or more luminaires were installed for service before November 12, 1991 on the same pole or other structure, the applicable monthly charges for each luminaire other than the first will be reduced \$1.78.
- (9) Luminaire locations shall be designated by the Customer and where only an extension of secondary facilities is required from the nearest distribution source, the rate per luminaire in (A) above shall apply. When the number of required poles exceeds the number of luminaires requested, a monthly charge not less than \$1.78 per standard wood pole shall be made for luminaires installed for service before November 12, 1991. A monthly charge of \$ 6.71 per standard wood pole shall be made for luminaires installed for service after November 12, 1991. When any installation requires an extension of primary facilities solely to serve the luminaires, an additional monthly charge equal to 1.1% of the estimated cost of the primary extension shall be made. Should any installation require guying of secondary facilities, a charge of 63 cents per month per guy shall be made.
- (10) "Suburban" luminaires are defined as standard NEMA-style fixtures with refractors and vertical-burning lamps. "Urban" luminaires are defined as "cobra-style" fixtures with enclosed refractive or flat lenses and horizontal-burning lamps.
- (11) At the Company's option and upon customer request, a monitoring device which automatically notifies the Company when a luminaire has failed can be installed for an additional monthly charge of \$2.50.

**PAYMENT**

Bills under this Schedule are due and payable on the date of the bill at the office of the Company. Bills are past due and delinquent on the fifteenth day after the date of the bill. If any bill is not so paid, the Company has the right to suspend service. In addition, all bills not paid by the twenty-fifth day after the date of the bill shall be subject to a one percent (1%) late payment charge on the unpaid amount. This late payment charge shall be rendered on the following month's bill and it shall become part of, and be due and payable with, the bill on which it is rendered.

**CONTRACT PERIOD**

The original term of contract may be from a minimum of one (1) year to a maximum of ten (10) years. Contracts will continue after the original term until terminated by either party on thirty days' written notice. The Customer may amend or terminate the Agreement before the expiration of the initial Contract Period by paying to the Company a sum of money equal to 40% of the monthly bills which otherwise would have been rendered for the remaining term of the initial Contract Period, less the monthly bills for the initial term of contract of any successor customer who has applied for lighting service at the premises prior to the effective date of the contract amendment or termination, provided, however, this amount shall not be less than zero. The Company may require a deposit not to exceed 40% of the revenue for the original term. The deposit will be returned at the end of the original term, provided the Customer has met all provisions of the contract. Minimum term of contract for specific situations shall be:

- (a) One year for all luminaires installed at a residence and designated by the Company as standard, post top and bracket-mounted on standard poles.
- (b) Three years for all luminaires not installed at a residence and designated by the Company as standard, post top and bracket-mounted on standard poles.
- (c) Ten years for all luminaires designated by the Company as decorative or nonstandard, and for all standard luminaires mounted on supports other than standard wood poles or other non-standard supports, and for primary extensions solely serving the luminaires.

SCHEDULE PL (NC)  
STREET AND PUBLIC LIGHTING SERVICEAVAILABILITY (North Carolina Only)

This Schedule is closed and not available for service to new installations after January 1, 2010 but remains in effect for continually effective agreements under this Schedule. Available for the purpose of lighting streets, highways, parks and other public places for Municipal, County, State, and Federal Governments, at locations inside or outside municipal limits on the Company's distribution system. This Schedule is not available for service to non-governmental entities.

RATE:(A) Bracket-Mounted Luminaires

All-night street lighting service using overhead conductors and Company standard equipment mounted on standard wood poles:

<u>Lamp Rating</u>			<u>Per Month Per Luminaire</u>	
<u>Lumens</u>	<u>kWhPer Month</u>	<u>Style</u>	<u>Inside Municipal Limits</u>	<u>Outside Municipal Limits</u>
<b>High Pressure Sodium Vapor</b>				
9,500	47	Suburban (1)	\$8.40	\$8.85
9,500	47	Urban	\$9.60	\$10.07
13,000	56	Suburban (2) (in suitable mercury fixture)	\$9.28	\$9.73
16,000	70	Urban	\$10.45	\$10.91
27,500	104	Urban	\$12.53	\$13.00
38,000	136	Urban (3) (in suitable mercury fixture)	\$13.63	\$14.07
50,000	156	Urban	\$15.52	\$15.97
140,000	391	Urban (installed on 55-foot wood pole)	\$31.79	\$32.23
<b>Metal Halide</b>				
40,000	155	Urban	\$18.66	\$19.12
<b>Mercury Vapor *</b>				
4,000	41	Suburban (1)	\$5.51	NA
7,500	75	Suburban (1)	\$7.46	\$7.94
7,500	75	Urban (4)	\$8.57	\$9.03
20,000	152	Urban (4)	\$12.15	\$12.62
55,000	393	Urban (4)	\$25.18	\$25.63
<b>Incandescent (5)</b>				
	63	Suburban	\$5.40	NA
	63	Post Top	\$2.01	NA
<b>Light Emitting Diode (6)</b>			<u>Inside or Outside Municipal Limits</u>	
4,500	18	Area 50 watts		\$9.02
6,500	25	Area 70 watts		\$9.22
9,500	40	Area 110 watts		\$11.21
12,500	54	Area 150 watts		\$12.52
18,500	79	Area 220 watts		\$14.69
24,000	101	Area 280 watts		\$16.77

(1) Closed to new installations on or after July 1, 2005

(2) Closed to new installations on or after February 3, 1987.

(3) Closed to new installations on or after November 12, 1991.

(4) Closed to new contracts on or after October 1, 2007 for luminaires installed before January 1, 2008

(5) Closed to new installations

(6) Light Emitting Diode (LED) luminaires are only available as replacements for failed mercury vapor luminaires and for customer requested replacements of existing mercury vapor luminaires, provided the fixture will accommodate an LED

SCHEDULE PL (NC)  
STREET AND PUBLIC LIGHTING SERVICE

luminaire as a replacement. LED luminaires are not available as replacements for High Pressure Sodium Vapor or Metal Halide luminaires.

- \* Mercury vapor luminaires are no longer available and will not be repaired if they fail. Upon failure the Company will convert any standard luminaire to an LED luminaire of similar size and lumen output. If the existing mercury vapor fixture is nonstandard and a comparable LED luminaire is not available, the Company will replace it with another available luminaire.

(B) Other Luminaires

Decorative and non-standard luminaires can be installed on request, at the Company's option, at the rate in (A) above plus an extra monthly charge equal to 1.1% of the estimated installed cost difference between the luminaire and structure requested, and, the equivalent luminaire and standard pole.

(C) Underground Charges

- (1) Additional monthly charge for the underground conductor system:

<u>Feet Per Pole</u>	<u>From Overhead System</u>	<u>From Underground System</u>
0 – 100 feet	\$.50	\$.35
101 – 200 feet	\$.90	\$.75
Over 200 feet	\$.90 plus \$.07 for each increment of 10 feet, or less, over 200 feet	\$.75 plus \$.07 for each increment of 10 feet, or less, over 200 feet

- (2) When the installation requires the cutting and replacing of pavement of more than one drive or one walkway per luminaire, 1.1% of the estimated cost of this cutting and replacing of pavement will be added to the charges above.  
 (3) When an installation is in an area served by a concrete-encased duct system, additional charges stated above will not apply and, instead, the additional monthly charge will be 1.1% of the estimated cost of the underground conductor system.  
 (4) Additional monthly charge for the underground conductor system:

<u>Feet Per Pole</u>	<u>From Overhead System</u>	<u>From Underground System</u>
0 – 100 feet	\$.50	\$.35
101 – 200 feet	\$.90	\$.75
Over 200 feet	\$.90 plus \$.07 for each increment of 10 feet, or less, over 200 feet	\$.75 plus \$.07 for each increment of 10 feet, or less, over 200 feet

- (5) When the installation requires the cutting and replacing of pavement of more than one drive or one walkway per luminaire, 1.1% of the estimated cost of this cutting and replacing of pavement will be added to the charges above.  
 (6) When an installation is in an area served by a concrete-encased duct system, additional charges stated above will not apply and, instead, the additional monthly charge will be 1.1% of the estimated cost of the underground conductor system.

RIDERS

The following Riders are applicable to service supplied under this schedule. The currently approved cents/kWh rider increment or decrement must be added to the cents/kWh rates shown above to determine the monthly bill.

Leaf No. 60	Fuel Cost Adjustment Rider
Leaf No. 62	Energy Efficiency Rider
Leaf No. 64	Existing DSM Program Costs Adjustment Rider
Leaf No. 77	Coal Inventory Rider
Leaf No. 98	Merger Capacity Mitigation Rider
Leaf No. 105	BPM Prospective Rider
Leaf No. 106	BPM True-Up Rider
Leaf No. 107	Cost of Removal Rider

SCHEDULE PL (NC)  
STREET AND PUBLIC LIGHTING SERVICE

EXPLANATORY NOTES AND OTHER CHARGES

- (1) The installation of bracket-mounted luminaires in (A) above includes the Company's 40-foot, standard wood poles.
  - (a) Wood poles longer than 40 feet, or structures other than standard wood poles, may be installed for an extra monthly charge equal to 1.1% of the estimated installed cost difference between the luminaires and structures requested, and equivalent luminaires and standard poles, and such extra charge shall not be less than \$5.59 per month, per pole or other structure.
  - (b) The Company's standard metal street lighting pole may be installed for an extra monthly charge of \$5.59 per month, per pole.
  - (c) The Company's standard metal mast-arm pole may be installed for an extra monthly charge of \$5.59 plus 1.1% of the estimated installed cost difference between the requested pole and the Company's standard metal street lighting pole, per month, per pole. The standard metal mast-arm pole may be installed without a luminaire for a monthly charge of \$7.36 plus 1.1% of the estimated installed cost difference between the requested pole and the Company's standard metal street lighting pole.
  - (d) Standard wood poles and guys may be provided at the same charges as in (3) below when provided solely to support traffic signals.
- (2) Service using overhead conductors is not available in any area designated by the Company as underground distribution area, nor in any area, location, or premises being served from an underground source. There will be no extra charge for underground conductors to luminaires installed in areas where the Company at its own option has determined that underground distribution facilities should be installed.
- (3) For areas outside municipal limits: Location of the luminaire or luminaires in areas outside of municipal limits shall be designated by the Customer but the location must be within the distance which can be reached by a secondary extension from the Company's nearest distribution facilities. Should the number of poles in the secondary extension required to serve the luminaire(s) exceed the number of poles on which bracket-mounted luminaires are installed, a monthly charge of \$1.78 per pole shall be made for such excess number of poles. Should the installation include downguys or spanguys, a charge of \$.63 per month per guy shall be made. When the installation requested requires a primary extension solely to serve the luminaires, an additional monthly charge of 1.1% of the estimated cost of the primary extension will be made.
- (4) All facilities necessary for service under this Schedule, including fixtures, lamps, controls, poles, hardware, transformers, conductors, and other appurtenances shall be owned and maintained by the Company.
- (5) Color-improved lamps installed prior to October 1, 2007 are supplied for an extra charge of \$ .73 per lamp per month. For luminaires installed prior to October 1, 2007 there will be no additional charge for color-improved lamps installed as replacements for clear mercury vapor luminaires, nor for color improved lamps installed in new luminaires on or after October 1, 2007.
- (6) When two or more luminaires are installed on the same pole or other structure, the applicable monthly charges for each luminaire other than the first will be reduced \$1.78.
- (7) "Suburban" luminaires are defined as standard NEMA-style fixtures with refractors and vertical-burning lamps. "Urban" luminaires are defined as "cobra-style" fixtures with enclosed refractive or flat lenses and horizontal-burning lamps.
- (8) A monitoring device which automatically notifies the Company when a luminaire has failed can be installed for an additional monthly charge of \$2.50.

PAYMENT

Bills under this Schedule are due and payable on the date of the bill at the office of the Company. Bills are past due and delinquent on the fifteenth day after the date of the bill. If any bill is not so paid, the Company has the right to suspend service. In addition, all bills not paid by the twenty-fifth day after the date of the bill shall be subject to a one percent (1%) late payment charge on the unpaid amount. This late payment charge shall be rendered on the following month's bill and it shall become part of, and be due and payable with, the bill on which it is rendered.

SCHEDULE PL (NC)  
STREET AND PUBLIC LIGHTING SERVICE

CONTRACT PERIOD

The original term of contract may be from a minimum of three (3) years to a maximum of ten (10) years. Contracts will continue after the original term until terminated by either party on thirty days' written notice. The Customer may amend or terminate the Agreement before the expiration of the initial Contract Period by paying to the Company a sum of money equal to 40% of the monthly bills which otherwise would have been rendered for the remaining term of the initial Contract Period, less the monthly bills for the initial term of contract of any successor customer who has applied for lighting service at the premises prior to the effective date of the contract amendment or termination, provided, however, this amount shall not be less than zero. The Company may require a deposit not to exceed 40% of the revenue for the original term. The deposit will be returned at the end of the original term, provided the Customer has met all provisions of the contract. Minimum term of contract for specific situations shall be:

- (a) Three years for all luminaires designated as standard by the Company and bracket-mounted on standard poles.
- (b) Ten years for all luminaires designated as decorative or non-standard by the Company, and for all standard luminaires mounted on supports other than standard wood poles, and for primary extensions solely serving the luminaires.