

CenterPoint Energy Houston Electric, LLC
Applicable: Entire Service Area

CNP 8020

6.1.1.1.6 LIGHTING SERVICES
(Street Lighting and Miscellaneous Lighting Services)

STREET LIGHTING SERVICE

AVAILABILITY

Street lighting service is available to cities, governmental agencies, real estate developers and other groups (herein referred to as Retail Customers) requesting the installation of Company-owned and maintained street lighting systems along public streets, roadways or other public access areas in accordance with Section 6.1.2.2, Construction Services, in this Tariff. Street lighting service is not applicable to privately-owned street lighting systems. Privately-owned street lighting systems may be eligible for Delivery Service under the Company's applicable rate schedule for Secondary or Primary Service.

TYPE OF SERVICE

Street lighting service consists of the installation of Company-owned street lights, fixtures, luminaires and lamps (collectively, Lamps) and (if requested by Retail Customer) ornamental standards along public streets, roadways or other public access areas in accordance with section 6 of the Company's Construction Services Policy in Section 6.1.2.2 of this Tariff, as well as the delivery of Electric Power and Energy at Company's standard Secondary Distribution Voltages to, and the maintenance and replacement of, such installations pursuant to the rates set forth in this Rate Schedule. If ornamental standards are not requested by Retail Customer, the Lamp installations will be mounted on the Company's existing distribution poles, if available, and served by overhead conductors.

Street lighting service will be provided at various voltages as determined by the Company. Delivery Service under this Rate Schedule is an Unmetered Service. Company will install, own and maintain the street lighting service installations provided hereunder. Company's street lighting service is built to NESC standards. At the request of Customer and at Company's discretion, Company may build to other standards, with Customer being responsible for any difference in cost. All street Lamps, including LED Lamps, will burn out and/or dim over time, and therefore the lumens delivered by a street Lamp will vary over time and will vary from Lamp to Lamp. Company will replace burned out street Lamps, and/or make maintenance repairs during regular working hours, at its own cost and expense and will generally have the lighting service restored within 72 hours after notification by the Retail Customer, but with no adjustment of payments hereunder due to outage or varying levels of lumens. Street Lamps furnished hereunder shall operate under normal conditions from approximately thirty minutes after sunset to approximately thirty minutes before sunrise every night in the year and the assumed total time of operations will be approximately four thousand (4,000) hours each year for each light furnished.

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MONTHLY RATE**I. Transmission and Distribution Charges**

The monthly charges listed in the table below cover the provision of Delivery Service to street lighting systems requested by Retail Customer and installed by Company pursuant to this Rate Schedule, including the maintenance but excluding the installation of those systems. Charges for the installation of street lighting systems are governed by the Construction Services Policy in Section 6.1.2.2 of this Tariff.

In addition to the following monthly charges per Lamp, an additional \$0.89 per month will be charged for each Lamp with a break-away base if requested by Retail Customer and installed by Company.

Lamp Type		Schedule	Schedule	Schedule	Schedule	Schedule	Monthly
Initial Lumen	Watt (Bulb Only)	A*	B*	C*	D*	E*	KWH
Mercury Vapor							
22,600 Lumen	400	\$3.94	\$16.37	N.A.	\$11.46	\$10.19	150
7,800 Lumen	175	\$3.46	N.A.	N.A.	\$10.98	N.A.	69
4,200 Lumen	100	\$3.48	\$15.97	N.A.	\$11.00	N.A.	41
High Pressure Sodium Vapor							
50,000 Lumen	400	\$3.91	\$16.35	N.A.	\$11.43	\$10.16	160
28,000 Lumen	250	\$3.80	\$16.23	\$8.94	\$11.32	\$10.05	106
15,000 Lumen	150	\$3.69	\$16.13	\$8.83	\$11.21	\$9.94	58
9,500 Lumen	100	\$3.67	\$16.08	N.A.	\$11.19	\$9.93	38
6,000 Lumen	70	\$3.64	\$16.08	N.A.	\$11.16	N.A.	29
Metal Halide							
32,200 Lumen	400	\$4.94	N.A.	N.A.	\$17.25	\$14.11	159
19,475 Lumen	250	\$9.14	N.A.	N.A.	\$16.50	\$13.34	96
12,900 Lumen	175	\$7.22	N.A.	N.A.	\$14.67	\$12.52	70
7,900 Lumen	100	\$6.63	N.A.	N.A.	\$14.08	\$11.93	40
Light Emitting Diode (LED)							
15,100 Lumen	180	\$4.57	N.A.	N.A.	\$6.05	\$22.19	64
10,850 Lumen	115	\$4.20	\$16.66	\$19.23	\$11.74	\$10.73	38
7,900 Lumen	95	\$3.86	\$16.31	\$9.27	\$11.39	\$10.38	32
4,800 Lumen	45	\$3.47	\$15.93	N.A.	\$11.01	\$10.00	17
2,000 Lumen	20	\$3.47	N.A.	N.A.	\$11.01	N.A.	8

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*** DESCRIPTION OF LIGHTING CONFIGURATIONS**

- Schedule A -one or more Lamps mounted on existing distribution poles and served by overhead conductors.
 Schedule B -single Lamp mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
 Schedule C -twin Lamps mounted on ornamental standard and served by overhead conductors. Limited to existing installations.
 Schedule D -single Lamp mounted on ornamental standard and served by underground conductors, or decorative residential streetlights.
 Schedule E -twin Lamps mounted on ornamental standard and served by underground conductors.

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|--|--------------------------------------|
| II. Transition Charge: | See Schedules TC2, TC3, SRC, and TC5 |
| III. Nuclear Decommissioning Charge: | See Rider NDC |
| IV. Transmission Cost Recovery Factor: | See Rider TCRF |
| V. Other Charges or Credits: | |
| A. Municipal Account Franchise Credit
(see application and explanation below) | (\$0.001597) per kWh |
| B. Rate Case Expenses Surcharge | See Rider RCE |
| C. Energy Efficiency Cost Recovery Factor | See Rider EECRF |
| D. Accumulated Deferred Federal
Income Tax Credit | See Rider ADFIT |
| E. Distribution Cost Recovery Factor | See Rider DCRF |
| F. Unprotected Excess Deferred
Income Tax | See Rider UEDIT |

OTHER PROVISIONS

Municipal Account Franchise Credit. A credit equal to the amount of franchise fees included in the Transmission and Distribution Charges will be applied to municipal accounts receiving service within the incorporated limits of such municipality which imposes a municipal franchise fee upon the Company based on the kWh within that municipality and who have signed an appropriate Franchise Agreement.

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LED Street Lamp Lumen Levels. By choosing an LED street lighting option, Retail Customer (1) acknowledges that there will be variances in lumen levels and energy consumption between individual LED Lamps and between an LED Lamp and the applicable lumen and watt levels for the Lamp set forth in the table above, and (2) agrees to not hold Company liable for any variations in LED Lamp performance.

The Initial Lumen and Watt levels shown in the table above for LED street lights reflect a target average lumen output and a target average wattage level and may not be representative of any particular LED Lamp.

The Monthly KWH level shown in the table above for LED street Lamps reflects a target average KWH level and may not be representative of any particular LED luminaire.

MISCELLANEOUS LIGHTING SERVICE

AVAILABILITY

Miscellaneous Lighting Service is available in areas designated by Company with suitable locations, where permission for installation has been granted by all affected parties, and where facilities of adequate capacity and suitable voltage are adjacent to the lighting fixture(s) to be served. All new fixtures installed by Company for the provision of Miscellaneous Lighting Service must be purchased from a third-party vendor and owned by the Retail Customer or the Retail Customer's REP ("Customer Owned Installation" or "Customer Owned Fixture"). All Customer Owned Fixtures must be approved by Company prior to installation and must conform to one of the lamp types described in the table below, except that metal halide and mercury vapor fixtures will no longer be approved by Company for installation as Customer Owned Fixtures. Existing Company owned fixtures will continue to be owned by the Company ("Company Owned Installation" or "Company Owned Fixture"). Miscellaneous Lighting Service consists of the delivery of electric power and energy to, and the installation and maintenance of lighting fixtures, as described herein. Retail Customer's electric power and energy must be provided by the Retail Customer's REP in accordance with Applicable Legal Authorities and the Company's Tariff.

TYPE OF SERVICE

Miscellaneous Lighting Service is provided as an Unmetered Service at Company's standard secondary distribution voltages to Customer Owned and Company Owned Fixtures which operate automatically every night from dusk to dawn. The Company will install, make electrical connection(s), and maintain the lighting fixture(s), whether Customer Owned or Company Owned.

Charges for services shall commence on the date that the electrical connection is made.

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MONTHLY RATE**I. Transmission and Distribution Charges**

In addition to the installation charges described below for Customer Owned Fixtures, the following monthly charges apply to Miscellaneous Lighting Service.

- A. Only the T&D Charge below is applicable to Customer Owned Installations.
- B. The T&D Charge and the Fixture Charge below are applicable to Company Owned Installations. In addition to the T&D Charge and the Fixture Charge for each lamp type in the table below, an additional charge of \$2.16 per month is charged for a span of secondary which was installed exclusively for Miscellaneous Lighting Service and Retail Customer did not reimburse Company for construction cost (applies only to installations existing as of 1-1-2002).

<u>TYPE OF LAMP</u>	<u>T&D CHARGE</u>	<u>LUMEN RATING</u>	<u>TOTAL WATTAGE</u>	<u>FIXTURE CHARGE¹</u>	<u>MONTHLY KWH</u>
<u>Floodlighting/Directional Lighting</u>					
-	-				
High Pressure Sodium					
High Pressure Sodium (150 watts)	\$3.39	15,000	185	\$3.76	
High Pressure Sodium (250 watts)	\$4.12	28,000	315	\$4.49	
High Pressure Sodium (400 watts)	\$3.69	50,000	475	\$4.06	
High Pressure Sodium (1,000 watts)	\$6.94	140,000	1,100	N.A.	
Light Emitting Diode (LED)					
Light Emitting Diode (40 watts)	\$3.39	4,800	40	\$3.76	14
LED Alternative For 150W High Pressure Sodium					
Light Emitting Diode (70 watts)	\$4.12	7,900	70	\$4.49	24
LED Alternative For 250W High Pressure Sodium					
Light Emitting Diode (100 watts)	\$3.69	11,300	100	\$4.06	33
LED Alternative For 400W High Pressure Sodium					
Light Emitting Diode (175 watts)	\$6.94	15,100	175	N.A.	58
LED Alternative For 1,000W High Pressure Sodium					

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<u>TYPE OF LAMP</u>	<u>T&D CHARGE</u>	<u>LUMEN RATING</u>	<u>TOTAL WATTAGE</u>	<u>FIXTURE CHARGE¹</u>	<u>MONTHLY KWH</u>
Metal Halide					
Metal Halide (175w) (no new installations)	\$9.24	12,900	210	N/A	70
Metal Halide (250w) (no new installations)	\$17.08	19,475	294	N/A	98
Metal Halide (400 w) (no new installations)	\$6.96	32,200	476	N/A	159
Metal Halide (1,000w) (no new installations)	\$13.44	104,500	1,100	N/A	367
Roadway/General Lighting					
High Pressure Sodium (150 watts)	\$2.30	15,000	185	\$2.42	61
Light Emitting Diode (95 watts)	\$2.30	7,900	95	\$2.42	32
LED Alternative For 150W High Pressure Sodium					
Guard Lighting					
High Pressure Sodium (100 watts)	\$2.29	9,500	120	\$2.42	40
Light Emitting Diode (40 watts)	\$2.29	4,800	40	\$2.42	14
LED Alternative For 100W High Pressure Sodium					

¹ Applies only to Company Owned Fixtures that are Company-owned and installed prior to September 1, 2000.

- II. Transition Charge:** See Schedules TC2, TC3, SRC, and TC5
- III. Nuclear Decommissioning Charge:** See Rider NDC
- IV. Transmission Cost Recovery Factor:** See Rider TCRF
- V. Other Charges or Credits:**
- A. Municipal Account Franchise Credit (see application and explanation below) (\$0.002372) per kWh
- B. Rate Case Expenses Surcharge See Rider RCE

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C. Energy Efficiency Cost Recovery Factor	See Rider EECRF
D. Accumulated Deferred Federal Income Tax Credit	See Rider ADFIT
E. Distribution Cost Recovery Factor	See Rider DCRF
F. Unprotected Excess Deferred Income Tax	See Rider UEDIT

OTHER PROVISIONS

Municipal Account Franchise Credit. A credit equal to the amount of franchise fees included in the Transmission and Distribution Charges will be applied to municipal accounts receiving service within the incorporated limits of such municipality which imposes a municipal franchise fee upon the Company based on the kWh within that municipality and who have signed an appropriate Franchise Agreement.

Acceptable Lamp Types for Installation. For Miscellaneous Lighting Service, the Company no longer installs Customer Owned Fixtures that use mercury vapor or metal halide lighting. Only Customer Owned Fixtures using high pressure sodium or LED lighting are accepted by Company for installation. Existing mercury vapor and metal halide installations (whether Customer Owned Installations or Company Owned Installations) will be converted to the appropriate high pressure sodium or LED equivalent from time to time during the normal course of maintenance when individual lamps burn out. Mercury vapor Guard Lighting installations with 7,800 lumen lamps will be converted to 9,500 lumen high pressure sodium, at no up-front cost to the Retail Customer.

LED Lumen Levels. By choosing an LED miscellaneous lighting option, Retail Customer (1) acknowledges that there will be variances in lumen levels and energy consumption between individual LED lamps and between the an LED Lamp and the applicable lumen and watt levels for the other lamp types set forth in the table above, and (2) agrees to not hold Company liable for any variations in LED Lamp performance.

INSTALLATION AND MAINTENANCE FOR CUSTOMER OWNED FIXTURES

Company will install and maintain the lighting fixture(s) served hereunder. For all Miscellaneous Lighting fixture installations except Guard Lighting fixtures, the Company will provide for each fixture the bulb and the photoelectric relay at the time of installation. Company will replace burned out lamps and make other maintenance repairs during Company's regular working hours at Company's expense, but with no adjustment of payments hereunder due to outage. Maintenance includes replacement of burned-out lamps (bulbs) and malfunctioning photoelectric relays.

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Damages due to vandalism, storms, accidents or manufacturing defects are not included under maintenance. Generally, Company will make maintenance repairs under this tariff within 72 hours after notification by the Retail Customer or REP.

The Retail Customer will be charged a one-time fee per lighting fixture to cover the Company's standard installation as detailed below. Standard installation consists of installing the lighting fixture on an existing wooden distribution pole and connecting service supplied from an existing or new overhead secondary conductor on the pole as detailed below. Standard installations are made during normal Company business hours. The charges below include both the labor to install and eventually remove fixtures. Any additional construction and/or cost required to provide service will be at the Retail Customer's expense, for an additional charge. Any additional facilities so required will be owned, installed and maintained by the Company.

Retail Customer or REP must purchase/provide all lighting fixtures. Only un-metered lighting fixtures meeting Company Service Standards and specifications will be allowed under this tariff. The Retail Customer or REP will own the lighting fixture.

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CUSTOMER OWNED FIXTURES STANDARD INSTALLATION FEES	One Light per Pole	Two Lights per Pole	Three Lights per Pole
Flood Light			
High Pressure Sodium			
Installations without secondary			
150w, 250w, 400w	\$325	\$350	\$405
1000w	\$370	\$450	\$550
Installations with 150 feet of secondary			
150w, 250w, 400w	\$425	\$450	\$505
1000w	\$470	\$550	\$655
Light Emitting Diode			
Installations without secondary			
40w, 100w, 180w	\$325	\$350	\$405
	\$370	\$450	\$550
Installations with 150 feet of secondary			
40w, 100w, 180w	\$425	\$450	\$505
	\$470	\$550	\$655
Guard Light			
Installations without secondary			
100w HPS	\$325	N/A	N/A
Installations with secondary			
100w HPS	\$365	N/A	N/A
Installations without secondary			
100w LED	\$325	N/A	N/A
Installations with secondary			
100w LED	\$365	N/A	N/A
Roadway Light			
Installations without secondary			
150w HPS	\$335	N/A	N/A
Installations with secondary			
150w HPS	\$375	N/A	N/A
Installations without secondary			
95w LED	\$335	N/A	N/A
Installations with secondary			
150w HPS 95w LED	\$375	N/A	N/A

INSTALLATION AND MAINTENANCE FOR COMPANY OWNED FIXTURES

Company Owned Fixtures were installed by the Company before September 1, 2000. Company will replace burned out lamps and make other maintenance repairs during Company's regular working hours at Company's expense, but with no adjustment of payments hereunder due to outage. Maintenance includes replacement of burned-out lamps (bulbs) and malfunctioning photoelectric relays, and damages due to vandalism, storms, accidents or manufacturing defects.

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Generally, Company will make maintenance repairs under this tariff within 72 hours after notification by the Retail Customer or REP.

EXTRAORDINARY MAINTENANCE ACTIVITIES

For Customer Owned Fixtures, Company will charge Retail Customer an additional fee as detailed below for each occurrence of the extraordinary maintenance activities listed hereunder.

CUSTOMER OWNED FIXTURES EXTRAORDINARY MAINTENANCE FEE	
ACTIVITY	FEE
(1) Replace a vandalized shield (parts and labor)	\$125.00
(2) Make adjustments to the fixture (labor only)	\$125.00
(3) Replace a fixture (labor only)	\$125.00
(4) Relocate a fixture (labor only)	As Calculated

NOTICE

This Rate Schedule is subject to the Company's Tariff and Applicable Legal Authorities.