

AN ORDINANCE **2016-06-02-0405**

**APPROVING AMENDMENTS TO CPS ENERGY STREETLIGHT TARIFFS TO INCLUDE NEW AND UPDATED PRICING FOR LIGHT-EMITTING DIODE STREETLIGHTS TO THE FOLLOWING STREETLIGHT TARIFF RATE CATEGORIES: STREETLIGHTING SERVICE PUBLIC STREETLIGHTING (SSP); ALL NITE SECURITY LITE (ANSL); STREETLIGHTING SERVICE STATE EXPRESSWAY LIGHTING (SSE); PUBLIC STREETLIGHTING SERVICE (SSP-UNINCORPORATED); DECORATIVE STREETLIGHTING SERVICE (SSD); AND LED-LUMINAIRE RETROFIT STREETLIGHTING SERVICE (LED).**

\* \* \* \* \*

**WHEREAS**, CPS Energy operates a combined electric and gas utility system on behalf of the City of San Antonio and under the supervision of the CPS Energy Board of Trustees; and

**WHEREAS**, CPS Energy provides streetlight service to ten customer categories under its tariffs, including municipal streetlights, decorative streetlights, and all night security lights, which strive to balance traffic and pedestrian safety, personal and property security, aesthetic appeal and overall cost; and

**WHEREAS**, customer demand for light-emitting diode (LED) lighting has increased; and

**WHEREAS**, in response to this customer demand, CPS Energy has made the business decision to adopt LED luminaires as its new standard for replacing high pressure sodium (HPS) and metal halide (MH) streetlights; and

**WHEREAS**, a general characteristic of LED luminaires compared to HPS and MH lights is that in spite of their higher capital cost, they use less energy and last longer, resulting in a lower overall cost of ownership over the life of the luminaires; and

**WHEREAS**, on September 20, 2012, City Council approved Ordinance No. 2012-09-20-0744 authorizing new LED rates that allowed the City to proceed with a major streetlight improvement project, including a Major Thoroughfare LED Streetlight Retrofit Project and a Downtown LED Streetlight Retrofit Project; and

**WHEREAS**, the Residential LED Streetlight Retrofit project will allow for the replacement of approximately 30,212 100W HPS residential streetlights with LED streetlights, and the estimated energy savings associated with this Residential Project are 2.6 MW per year, the equivalent of providing power to 806 homes per year; and

**WHEREAS**, the City will fund the purchase of the new LED streetlights for the Residential LED Street Retrofit project with bonds to be issued in the summer of 2016. The funding from the CPS Energy STEP program along with the financial savings from the City's ongoing costs for the LED streetlights are sufficient to cover the capital costs to include debt service costs to

acquire the new LED streetlights. Over the seventeen years that the bonds are to be paid for, the City will net projected cumulative savings of \$867,000 on its utility bill for streetlights while allowing for the implementation of enhanced and more energy efficient LED lighting; and

**WHEREAS**, CPS Energy has developed a second generation of LED tariff pricing in order to meet demand for LED lighting in the following streetlight tariff categories: Streetlighting Service Public Streetlighting (SSP); All Nite Security Lite (ANSL); Streetlighting Service State Expressway Lighting (SSE); Public Streetlighting Service (SSP-Unincorporated); Decorative Streetlighting Service (SSD); and LED-Luminaire Retrofit Streetlighting Service (LED); and

**WHEREAS**, CPS Energy's updated tariff pricing is incorporated into this Ordinance as **Exhibit A**, attached hereto; and

**WHEREAS**, the revised tariff sheets, attached as **Exhibit A**, include corrections in nomenclature and modification of language to minimize redundancy; and

**WHEREAS**, these tariff amendments will not result in increased revenues for CPS Energy, but are intended to provide new LED streetlight service options to its customers; and

**WHEREAS**, on April 25, 2016, the CPS Energy Board of Trustees approved the proposed tariff adjustments following staff's briefing of the LED pricing model to the CPS Energy Citizens Advisory Committee; and

**WHEREAS**, the City's Office of Public Utilities staff has performed a detailed review of the requested tariff amendments and, based on the review, staff has determined that the proposed rate adjustments are reasonable and appropriate; **NOW THEREFORE:**

**BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAN ANTONIO:**

**SECTION 1.** The City Council hereby approves the amended CPS Energy streetlight tariffs incorporated into this Ordinance as **Exhibit A**, consisting of rate revisions and language corrections to the following tariff rate categories: Streetlighting Service Public Streetlighting (SSP); All Nite Security Lite (ANSL); Streetlighting Service State Expressway Lighting (SSE); Public Streetlighting Service (SSP-Unincorporated); Decorative Streetlighting Service (SSD); and LED-Luminaire Retrofit Streetlighting Service (LED).

**SECTION 2.** The City Council finds that the revised tariff pricing will not result in increased revenues for CPS Energy and that the adjusted rates are fair, reasonable, and nondiscriminatory.

**SECTION 3.** The electric rates set out in the attached tariff sheets, as approved by this Ordinance, shall become effective September 1, 2016.

**PASSED AND APPROVED**, this 2nd day of June, 2016.



M A Y O R  
Ivy R. Taylor

**ATTEST:**

  
Leticia M. Vacek, City Clerk

**APPROVED AS TO FORM:**

  
Martha G. Sepeda, Acting City Attorney

|                     |                                                                                                                                                                                                                                       |                    |            |            |                |               |               |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|------------|----------------|---------------|---------------|
| <b>Agenda Item:</b> | 24                                                                                                                                                                                                                                    |                    |            |            |                |               |               |
| <b>Date:</b>        | 06/02/2016                                                                                                                                                                                                                            |                    |            |            |                |               |               |
| <b>Time:</b>        | 11:08:42 AM                                                                                                                                                                                                                           |                    |            |            |                |               |               |
| <b>Vote Type:</b>   | Motion to Approve                                                                                                                                                                                                                     |                    |            |            |                |               |               |
| <b>Description:</b> | An Ordinance authorizing CPS Energy LED rates for five new streetlight rate classes as well as updated prices on the existing LED Retrofit streetlight tariff. [Ben Gorzell, Chief Financial Officer; Troy Elliott, Finance Director] |                    |            |            |                |               |               |
| <b>Result:</b>      | Passed                                                                                                                                                                                                                                |                    |            |            |                |               |               |
| <b>Voter</b>        | <b>Group</b>                                                                                                                                                                                                                          | <b>Not Present</b> | <b>Yea</b> | <b>Nay</b> | <b>Abstain</b> | <b>Motion</b> | <b>Second</b> |
| Ivy R. Taylor       | Mayor                                                                                                                                                                                                                                 |                    | x          |            |                |               |               |
| Roberto C. Treviño  | District 1                                                                                                                                                                                                                            |                    | x          |            |                | x             |               |
| Alan Warrick        | District 2                                                                                                                                                                                                                            |                    | x          |            |                |               | x             |
| Rebecca Viagran     | District 3                                                                                                                                                                                                                            |                    | x          |            |                |               |               |
| Rey Saldaña         | District 4                                                                                                                                                                                                                            |                    | x          |            |                |               |               |
| Shirley Gonzales    | District 5                                                                                                                                                                                                                            |                    | x          |            |                |               |               |
| Ray Lopez           | District 6                                                                                                                                                                                                                            |                    | x          |            |                |               |               |
| Cris Medina         | District 7                                                                                                                                                                                                                            |                    | x          |            |                |               |               |
| Ron Nirenberg       | District 8                                                                                                                                                                                                                            |                    | x          |            |                |               |               |
| Joe Krier           | District 9                                                                                                                                                                                                                            |                    | x          |            |                |               |               |
| Michael Gallagher   | District 10                                                                                                                                                                                                                           |                    | x          |            |                |               |               |

**Exhibit A**

**To CPS Energy Streetlight Tariffs**

**Passed and Approve on June 2, 2016 by**

**Ordinance No. \_\_\_\_\_**

# CPS Energy

## ALL NIGHT SECURITY LIGHT

### ELECTRIC RATE

## ANSL

#### APPLICATION

This rate is applicable to the installation, operation, and maintenance of security lighting service (ANSL) within the area served by CPS Energy where CPS Energy owns, installs, operates, and maintains the entire installation, and the service is to be utilized exclusively for security purposes.

#### TYPE OF SERVICE

The types and conditions of service available under this rate are described in the individual application and agreement between CPS Energy and the corresponding applicant.

#### MONTHLY BILL

#### ANSL (OVERHEAD DISTRIBUTION)

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp<br>and Installation            | Monthly Rate<br>Single<br>Fixture |
|-----------------------------------|----------------------------|---------------------------------------------|-----------------------------------|
| 7,000                             | 175                        | Mercury Vapor on Existing Pole              | \$10.15                           |
| 21,000                            | 400                        | Mercury Vapor on Existing Pole              | \$18.85                           |
| 55,000                            | 1,000                      | Mercury Vapor on Existing Pole              | \$34.30                           |
| 9,500                             | 100                        | High Pressure Sodium on Existing Pole       | \$9.15                            |
| 25,000                            | 250                        | High Pressure Sodium on Existing Pole       | \$14.50                           |
| 47,000                            | 400                        | High Pressure Sodium on Existing Pole       | \$19.50                           |
| 3,600                             | 41.5                       | Light-Emitting Diode (LED) on Existing Pole | \$8.70                            |
| 14,620                            | 157                        | Light-Emitting Diode on Existing Pole       | \$15.00                           |
| 22,703                            | 238                        | Light-Emitting Diode on Existing Pole       | \$20.25                           |

#### ANSL (UNDERGROUND DISTRIBUTION)

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp<br>and Installation | Monthly Rate<br>Single<br>Fixture |
|-----------------------------------|----------------------------|----------------------------------|-----------------------------------|
| 7,000                             | 175                        | Mercury Vapor                    | \$23.80                           |
| 21,000                            | 400                        | Mercury Vapor                    | \$37.55                           |
| 9,500                             | 100                        | High Pressure Sodium             | \$23.45                           |
| 25,000                            | 250                        | High Pressure Sodium             | \$30.40                           |
| 47,000                            | 400                        | High Pressure Sodium             | \$36.85                           |
| 3,600                             | 41.5                       | Light-Emitting Diode (LED)       | \$23.00                           |
| 14,620                            | 157                        | Light-Emitting Diode             | \$30.90                           |
| 22,703                            | 238                        | Light-Emitting Diode             | \$37.60                           |

| Additional Facilities                                                  | Monthly Rate            |
|------------------------------------------------------------------------|-------------------------|
| Wooden Pole                                                            | \$3.05 per pole         |
| Customer Operated Switch                                               | \$2.10 per switch       |
| 5 kVA Overhead Transformer*                                            | \$5.60 per transformer  |
| 15 kVA Overhead Transformer                                            | \$15.80 per transformer |
| Overhead Secondary Extension in excess of 100 feet per light           | \$0.014 per foot        |
| Underground Secondary Extension in Dirt                                | \$0.029 per foot        |
| Underground Secondary Extension in Medium or Hard Rock and Paved Areas | \$0.080 per foot        |

\* Closed to new installations. Applicable only to existing ANSL lighting served by 5 kVA transformers. As these 5 kVA transformers reach the end of their useful lives, they will be replaced with 15 kVA transformers.

Adjustments

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per kWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per kWh, which is computed based upon the current month's estimated kWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus
- (c) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus
- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

**LATE PAYMENT CHARGE**

The Monthly Bill will be charged if payment is made within the period indicated on the bill. Bills not paid within this period will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs, garbage fees and sales taxes.

**TERM OF SERVICE**

The Term of Service shall be in accordance with the CPS Energy Application and Agreement for All Night Security Light.

**RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service which are incorporated herein by this reference.

### **LUMINAIRE CHANGEOUTS**

CPS Energy will consider Customer requests for the changeout of existing operational ANSLs (luminaire, lamp, photocell) for another type of ANSL. Requests for changeout will be contingent upon overall CPS Energy work schedule and changeouts will be scheduled so as not to interfere with normal CPS Energy operations (lighting maintenance, new lighting installation, etc.). The Customer will be responsible for all applicable costs and charges associated with the requested ANSL changeout. CPS Energy reserves the right to reject or delay, for any reason, a request for an ANSL changeout.

### **CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customers, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.



# CPS Energy

## LED LUMINAIRE RETROFIT STREETLIGHTING SERVICE

### ELECTRIC RATE

## LED

**APPLICATION**

**APPLICATION** provisions of the following are incorporated by reference: STREETLIGHTING SERVICE PUBLIC STREETLIGHTING ELECTRIC RATE (SSP), the TRIPARTY STREETLIGHTING SERVICE (MOUNTED ON MIDBLOCK POLES) ELECTRIC RATE (TSS-MBP), and TRIPARTY STREETLIGHTING SERVICE (MOUNTED ON TRAFFIC SIGNAL POLES) ELECTRIC RATE (TSS-TSP). This rate is applicable to service supplied to the Customer for Light-Emitting Diode (LED) luminaires that meet the following requirements:

- LED luminaires which replace existing 100 watt, 250 watt, and 400 watt High Pressure Sodium (HPS) or Metal Halide (MH) luminaires excluding decorative lighting; and
- LED luminaires which replace existing High Pressure Sodium (HPS) or Metal Halide (MH) luminaires for which the Customer pays all costs for capital and installation of new LED luminaires, and removal of existing luminaires.

**TYPE(S) AND CONDITIONS OF SERVICE**

The types and conditions of service available under this rate are described in the corresponding SSP, TSS-MBP, or TSS-TSP tariff from which the existing HPS or MH luminaires were billed.

**MONTHLY BILL**

For qualifying luminaires, the monthly LED bill will be as follows:

**MONTHLY LED RATES FOR QUALIFYING LIGHTS ORIGINALLY BILLED UNDER THE SSP RATE**

**STREETLIGHTS (OVERHEAD DISTRIBUTION)**

**First Generation LED Luminaires – Installed Prior to Effective Date of this Tariff**

| Watts<br>Per LED<br>Luminaire | Type of Existing Lamp Being<br>Replaced with LED Luminaire | Monthly Rate      |                   |
|-------------------------------|------------------------------------------------------------|-------------------|-------------------|
|                               |                                                            | Single<br>Fixture | Double<br>Fixture |
| 55                            | 100 W HPS                                                  | \$6.85            | ---               |
| 96                            | 250 W HPS or MH                                            | \$10.45           | \$15.50           |
| 164                           | 400 W HPS                                                  | \$12.90           | ---               |

**Second Generation LED Luminaires**

| Watts<br>Per LED<br>Luminaire | Type of Existing Lamp Being<br>Replaced with LED Luminaire | Monthly Rate      |                   |
|-------------------------------|------------------------------------------------------------|-------------------|-------------------|
|                               |                                                            | Single<br>Fixture | Double<br>Fixture |
| 41.5                          | 100 W HPS                                                  | \$6.80            | ---               |
| 157                           | 250 W HPS or MH                                            | \$11.75           | \$18.20           |
| 238                           | 400 W HPS                                                  | \$14.70           | ---               |

**STREETLIGHTS (UNDERGROUND DISTRIBUTION)**

**First Generation LED Luminaires**

| Watts<br>Per LED<br>Luminaire | Type of Existing Lamp Being<br>Replaced with LED Luminaire | Monthly Rate      |                   |
|-------------------------------|------------------------------------------------------------|-------------------|-------------------|
|                               |                                                            | Single<br>Fixture | Double<br>Fixture |
| 55                            | 100 W HPS                                                  | \$13.10           | ---               |
| 96                            | 250 W HPS or MH                                            | \$21.15           | \$27.95           |
| 164                           | 400 W HPS – 32-foot lamp height                            | \$23.90           | \$30.95           |
| 164                           | 400 W HPS – 50-foot lamp height                            | \$25.10           | ---               |

**Second Generation LED Luminaires**

| Watts<br>Per LED<br>Luminaire | Type of Existing Lamp Being<br>Replaced with LED Luminaire | Monthly Rate      |                   |
|-------------------------------|------------------------------------------------------------|-------------------|-------------------|
|                               |                                                            | Single<br>Fixture | Double<br>Fixture |
| 41.5                          | 100 W HPS or MH                                            | \$13.05           | ---               |
| 157                           | 250 W HPS or MH                                            | \$22.45           | \$30.60           |
| 238                           | 400 W HPS – 32-foot lamp height                            | \$25.70           | \$34.65           |
| 238                           | 400 W HPS – 50-foot lamp height                            | \$26.90           | ---               |

**MONTHLY LED RATES FOR QUALIFYING LIGHTS ORIGINALLY BILLED UNDER THE TSS-MBP RATE**

Monthly Rate Charged Prior To First Replacement of Midblock Pole by CPS Energy

| Watts<br>Per LED<br>Luminaire | Type of Existing Lamp Being<br>Replaced with LED Luminaire | Monthly Rate      |                   |
|-------------------------------|------------------------------------------------------------|-------------------|-------------------|
|                               |                                                            | Single<br>Fixture | Double<br>Fixture |
| 164                           | 400 W MH on Midblock Pole                                  | \$16.10           | \$23.90           |

**MONTHLY LED RATES FOR QUALIFYING LIGHTS ORIGINALLY BILLED UNDER THE TSS-TSP RATE**

| Watts<br>Per LED<br>Luminaire | Type of Existing Lamp Being<br>Replaced with LED Luminaire | Monthly Rate      |                   |                   |
|-------------------------------|------------------------------------------------------------|-------------------|-------------------|-------------------|
|                               |                                                            | Single<br>Fixture | Double<br>Fixture | Triple<br>Fixture |
| 96                            | 250 W MH on Traffic Signal Pole                            | ---               | \$18.65           | \$24.25           |
| 164                           | 400 W MH on Traffic Signal Pole                            | \$15.45           | ---               | ---               |

**Adjustments**

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per kWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per kWh, which is computed based upon the current month's estimated kWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over- and under-recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus
- (c) An adjustment, if indicated by the current status of the over- and under-recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus

- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

**LATE PAYMENT CHARGE**

The Monthly Bill will be charged if payment is made within the period indicated on the bill. Bills not paid within this period will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs. This provision is not applicable to streetlights installed within the City of San Antonio.

**TERM OF SERVICE**

The Term of Service shall be in accordance with the contract or agreement between CPS Energy and the corresponding applicant.

**RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service which are incorporated herein by this reference.

**CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customers, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

# CPS Energy

---

## DECORATIVE STREETLIGHTING SERVICE

### ELECTRIC RATE

## SSD

#### APPLICATION

The Decorative Streetlight (Underground Distribution) rate applies to service supplied to decorative streetlight installations that

- illuminate dedicated public streets and highways within the area served by CPS Energy or are located within a CPS Energy service area that is a designated United States Government Military enclave where facilities have been privatized; and
- are owned, operated, and maintained totally and in full by CPS Energy; and
- applicant funded all material and installation costs of said streetlights at the time of installation. Installation may be performed, either wholly or partially, by CPS Energy or by applicant.

The Municipal Service rate is only available to the City of San Antonio and municipalities within the CPS Energy service area. Such municipal customers may fund the full installation of decorative streetlights and pay the standard decorative streetlight charges under this rate.

These rates are not applicable to illumination of state highways or All Night Security Light Service.

#### TYPE OF SERVICE

The types and conditions of service available under these rates are described in the individual contract or agreement between CPS Energy and the corresponding applicant.

#### MONTHLY BILL

#### DECORATIVE STREETLIGHTS (UNDERGROUND DISTRIBUTION)

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp                         | Monthly Rate      |                   |
|-----------------------------------|----------------------------|--------------------------------------|-------------------|-------------------|
|                                   |                            |                                      | Single<br>Fixture | Double<br>Fixture |
| 32,000                            | 400                        | Metal Halide – Flex                  | \$17.10           | \$27.10           |
| 14,000                            | 175                        | Metal Halide – Pendant               | \$13.60           | ---               |
| 19,500                            | 250                        | Metal Halide – Acorn                 | \$16.45           | \$25.80           |
| 5,778                             | 99                         | Light-Emitting Diode (LED) – Pendant | \$11.10           | ---               |
| 13,315                            | 136                        | Light-Emitting Diode – Acorn         | \$19.00           | \$31.65           |

#### MUNICIPAL SERVICE

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp                         | Monthly Rate      |                   |
|-----------------------------------|----------------------------|--------------------------------------|-------------------|-------------------|
|                                   |                            |                                      | Single<br>Fixture | Double<br>Fixture |
| 32,000                            | 400                        | Metal Halide – Flex                  | \$57.05           | \$74.65           |
| 14,000                            | 175                        | Metal Halide – Pendant               | \$44.40           | ---               |
| 19,500                            | 250                        | Metal Halide – Acorn                 | \$67.95           | \$101.15          |
| 5,778                             | 99                         | Light-Emitting Diode (LED) – Pendant | \$42.20           | ---               |
| 13,315                            | 136                        | Light-Emitting Diode – Acorn         | \$70.90           | \$107.95          |

### Adjustments

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per kWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per kWh, which is computed based upon the current month's estimated kWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus
- (c) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus
- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

### **LATE PAYMENT CHARGE**

Bills not paid within the period indicated on the bill will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs. This provision is not applicable to streetlights installed within the City of San Antonio.

### **TERM OF SERVICE**

The Term of Service shall be in accordance with the contract or agreement between CPS Energy and the corresponding applicant.

### **RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service, which are incorporated herein by reference as if set forth in full.

### **LUMINAIRE CHANGEOUTS**

CPS Energy will consider Customer requests for the changeout of existing operational streetlights (luminaire, lamp, photocell) for another type of streetlight. Requests for changeout will be contingent upon overall CPS Energy work schedule and changeouts will be scheduled so as not to interfere with normal CPS Energy operations (lighting maintenance, new lighting installation, etc.). The Customer will be responsible for all applicable costs and charges associated with the requested streetlight changeout. CPS Energy reserves the right to reject or delay, for any reason, a request for a streetlight changeout.

### **CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customer, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

# CPS Energy

## STREETLIGHTING SERVICE STATE EXPRESSWAY LIGHTING

### ELECTRIC RATE

## SSE

**APPLICATION**

This rate is applicable to service for the operation and maintenance of lighting of dedicated highways, expressways, or thoroughfares where the installation is totally financed by the State of Texas.

**TYPE OF SERVICE**

The types and conditions of service available under this rate are described in the contract(s) or agreement(s) between CPS Energy, the State of Texas, the City of San Antonio, or other municipal or political subdivisions.

**MONTHLY BILL**

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp<br>and Installation | Monthly Rate<br>Single<br>Fixture |
|-----------------------------------|----------------------------|----------------------------------|-----------------------------------|
| 12,000                            | 250                        | Mercury Vapor                    | \$18.50                           |
| 21,000                            | 400                        | Mercury Vapor                    | \$22.60                           |
| 55,000                            | 1,000                      | Mercury Vapor                    | \$38.15                           |
| 5,800                             | 70                         | High Pressure Sodium             | \$15.00                           |
| 9,500                             | 100                        | High Pressure Sodium (Underpass) | \$6.85                            |
| 16,000                            | 150                        | High Pressure Sodium             | \$16.25                           |
| 25,000                            | 250                        | High Pressure Sodium             | \$18.65                           |
| 47,000                            | 400                        | High Pressure Sodium             | \$23.45                           |
| 47,000                            | 400                        | High Pressure Sodium (Hi-Mast)   | \$29.60                           |
| 140,000                           | 1,000                      | High Pressure Sodium (Hi-Mast)   | \$45.10                           |
| 14,620                            | 157                        | Light-Emitting Diode (LED)       | \$19.15                           |
| 22,703                            | 238                        | Light-Emitting Diode             | \$24.15                           |

Adjustments

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per kWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per kWh, which is computed based upon the current month's estimated kWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus
- (c) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus

- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

**LATE PAYMENT CHARGE**

The Monthly Bill will be charged if payment is made within the period indicated on the bill. Bills not paid within this period will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs. This provision is not applicable to streetlights installed within the City of San Antonio.

**TERM OF SERVICE**

The Term of Service shall be in accordance with the contract(s) or agreement(s) between CPS Energy and the State of Texas, the City of San Antonio, or other municipal or political subdivisions.

**RULES AND REGULATIONS**

Service is subject to CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service which are incorporated herein by this reference.

**CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customers, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

# CPS Energy

## STREETLIGHTING SERVICE PUBLIC STREETLIGHTING

### ELECTRIC RATE

## SSP

**APPLICATION**

This rate is applicable to service supplied for the illumination of dedicated public streets and highways within the area served by CPS Energy where CPS Energy owns, installs, operates, and maintains the entire installation or to streetlights installed within the City of San Antonio for which the City of San Antonio provides no funds for the installation costs of said streetlights except as incorporated in the monthly rate.

This rate is not applicable to illumination of state highways, or All Night Security Light Service.

**TYPE OF SERVICE**

The types and conditions of service available under this rate are described in the individual contract or agreement between CPS Energy and the corresponding applicant.

**MONTHLY BILL**

**STREETLIGHTS (OVERHEAD DISTRIBUTION)**

| Nominal Lamp Size<br>In Lumens | Lamp Rating<br>In Watts | Type of Lamp               | Monthly Rate   |                |
|--------------------------------|-------------------------|----------------------------|----------------|----------------|
|                                |                         |                            | Single Fixture | Double Fixture |
| 7,000                          | 175                     | Mercury Vapor              | \$10.15        | ---            |
| 21,000                         | 400                     | Mercury Vapor              | \$17.45        | \$29.60        |
| 55,000                         | 1,000                   | Mercury Vapor              | \$32.00        | ---            |
| 9,500                          | 100                     | High Pressure Sodium       | \$8.75         | ---            |
| 25,000                         | 250                     | High Pressure Sodium       | \$14.25        | \$23.05        |
| 47,000                         | 400                     | High Pressure Sodium       | \$19.10        | ---            |
| 19,500                         | 250                     | Metal Halide               | \$14.65        | \$23.30        |
| 3,600                          | 41.5                    | Light-Emitting Diode (LED) | \$8.30         | ---            |
| 14,620                         | 157                     | Light-Emitting Diode       | \$14.75        | \$24.90        |
| 22,703                         | 238                     | Light-Emitting Diode       | \$19.80        | ---            |

**STREETLIGHTS (UNDERGROUND DISTRIBUTION)**

| Nominal Lamp Size<br>In Lumens | Lamp Rating<br>In Watts | Type of Lamp<br>and Installation           | Monthly Rate   |                |
|--------------------------------|-------------------------|--------------------------------------------|----------------|----------------|
|                                |                         |                                            | Single Fixture | Double Fixture |
| 7,000                          | 175                     | Mercury Vapor on a Wood Pole               | \$14.00        | ---            |
| 7,000                          | 175                     | Mercury Vapor on a Metal Pole              | \$18.60        | ---            |
| 21,000                         | 400                     | Mercury Vapor                              | \$26.20        | \$41.55        |
| 55,000                         | 1,000                   | Mercury Vapor                              | \$41.80        | ---            |
| 9,500                          | 100                     | High Pressure Sodium                       | \$15.00        | ---            |
| 25,000                         | 250                     | High Pressure Sodium                       | \$24.95        | \$35.45        |
| 25,000                         | 250                     | High Pressure Sodium – Decorative          | \$28.95        | \$44.95        |
| 47,000                         | 400                     | High Pressure Sodium – 32-foot lamp height | \$30.10        | \$43.40        |
| 47,000                         | 400                     | High Pressure Sodium – 50-foot lamp height | \$31.30        | \$56.70        |
| 19,500                         | 250                     | Metal Halide                               | \$27.95        | \$37.45        |
| 19,500                         | 250                     | Metal Halide – Decorative                  | \$32.25        | \$44.30        |
| 3,600                          | 41.5                    | Light-Emitting Diode (LED)                 | \$14.55        | ---            |
| 14,620                         | 157                     | Light-Emitting Diode                       | \$25.45        | \$37.30        |
| 22,703                         | 238                     | Light-Emitting Diode – 32-foot lamp height | \$30.80        | \$45.65        |
| 22,703                         | 238                     | Light-Emitting Diode – 50-foot lamp height | \$32.00        | \$58.95        |



**STREETLIGHTS (UNDERPASSES)**

| Nominal Lamp Size<br>In Lumens | Lamp Rating<br>In Watts | Type of Lamp               | Monthly Rate<br>Single<br>Fixture |
|--------------------------------|-------------------------|----------------------------|-----------------------------------|
| 7,000                          | 175                     | Mercury Vapor              | \$12.25                           |
| 12,000                         | 250                     | Mercury Vapor              | \$16.00                           |
| 9,500                          | 100                     | High Pressure Sodium       | \$11.70                           |
| 25,000                         | 250                     | High Pressure Sodium       | \$17.00                           |
| 15,146                         | 162.7                   | Light-Emitting Diode (LED) | \$18.00                           |

**Adjustments**

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per kWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per kWh, which is computed based upon the current month's estimated kWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus
- (c) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus
- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

**LATE PAYMENT CHARGE**

The Monthly Bill will be charged if payment is made within the period indicated on the bill. Bills not paid within this period will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs. This provision is not applicable to streetlights installed within the City of San Antonio.

**TERM OF SERVICE**

The Term of Service shall be in accordance with the contract or agreement between CPS Energy and the corresponding applicant.

**RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service which are incorporated herein by this reference.

**LUMINAIRE CHANGEOUTS**

CPS Energy will consider Customer requests for the changeout of existing operational streetlights (luminaire, lamp, photocell) for another type of streetlight. Requests for changeout will be contingent upon overall CPS Energy work schedule and changeouts will be scheduled so as not to interfere with normal CPS Energy operations (lighting maintenance, new lighting installation, etc.). The Customer will be responsible for all applicable costs and charges associated with the requested streetlight changeout. CPS Energy reserves the right to reject or delay, for any reason, a request for a streetlight changeout.

**CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customers, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

# CPS Energy

---

## PUBLIC STREETLIGHTING SERVICE

### ELECTRIC RATE

## SSP - Unincorporated

#### APPLICATION

This rate applies to service supplied to streetlights that illuminate dedicated public streets and highways within unincorporated areas in the CPS Energy service area, or streetlights that are located within a CPS Energy service area that is a designated United States Government Military enclave where facilities have been privatized; and for which the applicant funds all material and installation costs of said streetlights at the time of installation. Installation may be performed, either wholly or partially, by CPS Energy or by applicant, but all installations are owned, operated, and maintained totally and in full by CPS Energy. Acceptance of an application for service under this rate will be contingent upon applicant securing necessary prior approval from the governmental authority having jurisdiction.

This rate is not applicable to illumination of state highways or All Night Security Light Service.

#### TYPE OF SERVICE

The types and conditions of service available under this rate are described in the individual contract or agreement between CPS Energy and the corresponding applicant.

#### MONTHLY BILL

##### STANDARD STREETLIGHTS (OVERHEAD OR UNDERGROUND DISTRIBUTION)

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp and Installation   | Monthly Rate      |                   |
|-----------------------------------|----------------------------|---------------------------------|-------------------|-------------------|
|                                   |                            |                                 | Single<br>Fixture | Double<br>Fixture |
| 9,500                             | 100                        | High Pressure Sodium            | \$10.00           | ---               |
| 27,000                            | 250                        | High Pressure Sodium            | \$12.75           | \$18.45           |
| 47,000                            | 400                        | High Pressure Sodium            | \$16.70           | \$26.35           |
| 27,000                            | 250                        | High Pressure Sodium – Shoe Box | \$13.00           | \$19.10           |
| 19,500                            | 250                        | Metal Halide – Shoe Box         | \$13.20           | \$19.45           |
| 3,600                             | 41.5                       | Light-Emitting Diode (LED)      | \$9.50            | ---               |
| 14,620                            | 157                        | Light-Emitting Diode            | \$13.20           | \$20.20           |
| 22,703                            | 238                        | Light-Emitting Diode            | \$17.35           | \$28.50           |

#### Adjustments

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per kWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per kWh, which is computed based upon the current month's estimated kWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus
- (c) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated

value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the kWh generated during the preceding month and then dividing the result by the current month's estimated kWh sales; plus

- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

#### **LATE PAYMENT CHARGE**

Bills not paid within the pay period indicated on the bill will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs.

#### **TERM OF SERVICE**

The Term of Service shall be in accordance with the contract or agreement between CPS Energy and the corresponding applicant.

#### **RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service, which are incorporated herein by reference as if set forth in full.

#### **LUMINAIRE CHANGEOUTS**

Customer requests for the changeout of existing operational streetlights (luminaire, lamp, photocell) for another type of streetlight will be contingent upon overall CPS Energy work schedule, and changeouts will be scheduled so as not to interfere with normal CPS Energy operations. Customer will be responsible for all applicable costs and charges associated with the requested streetlight changeout. CPS Energy reserves the right to reject or delay, for any reason, a request for a streetlight changeout.

#### **CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customer, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

**Exhibit A - Red-lined**

**To CPS Energy Streetlight Tariffs**

**Passed and Approved on June 2, 2016 by**

**Ordinance No. \_\_\_\_\_**

# CPS Energy

## **ALL NITENIGHT SECURITY LITELIGHT**

### ELECTRIC RATE

## ANSL

#### APPLICATION

This rate is applicable to the installation, operation, and maintenance of security lighting service (ANSL) within the area served by CPS Energy where CPS Energy owns, installs, operates, and maintains the entire installation, and the service is to be utilized exclusively for security purposes.

#### TYPE OF SERVICE

The types and conditions of service available under this rate are described in the individual application and agreement between CPS Energy and the corresponding applicant.

#### MONTHLY BILL

#### ANSL (OVERHEAD DISTRIBUTION)

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp<br>and Installation                   | Monthly Rate<br>Single<br>Fixture |
|-----------------------------------|----------------------------|----------------------------------------------------|-----------------------------------|
| 7,000                             | 175                        | Mercury Vapor on Existing Pole                     | \$10.15                           |
| 21,000                            | 400                        | Mercury Vapor on Existing Pole                     | \$18.85                           |
| 55,000                            | 1,000                      | Mercury Vapor on Existing Pole                     | \$34.30                           |
| 9,500                             | 100                        | High Pressure Sodium on Existing Pole              | \$9.15                            |
| 25,000                            | 250                        | High Pressure Sodium on Existing Pole              | \$14.50                           |
| 47,000                            | 400                        | High Pressure Sodium on Existing Pole              | \$19.50                           |
| <u>3,600</u>                      | <u>41.5</u>                | <u>Light-Emitting Diode (LED) on Existing Pole</u> | <u>\$8.70</u>                     |
| <u>14,620</u>                     | <u>157</u>                 | <u>Light-Emitting Diode on Existing Pole</u>       | <u>\$15.00</u>                    |
| <u>22,703</u>                     | <u>238</u>                 | <u>Light-Emitting Diode on Existing Pole</u>       | <u>\$20.25</u>                    |

#### ANSL (UNDERGROUND DISTRIBUTION)

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp<br>and Installation  | Monthly Rate<br>Single<br>Fixture |
|-----------------------------------|----------------------------|-----------------------------------|-----------------------------------|
| 7,000                             | 175                        | Mercury Vapor                     | \$23.80                           |
| 21,000                            | 400                        | Mercury Vapor                     | \$37.55                           |
| 9,500                             | 100                        | High Pressure Sodium              | \$23.45                           |
| 25,000                            | 250                        | High Pressure Sodium              | \$30.40                           |
| 47,000                            | 400                        | High Pressure Sodium              | \$36.85                           |
| <u>3,600</u>                      | <u>41.5</u>                | <u>Light-Emitting Diode (LED)</u> | <u>\$23.00</u>                    |
| <u>14,620</u>                     | <u>157</u>                 | <u>Light-Emitting Diode</u>       | <u>\$30.90</u>                    |
| <u>22,703</u>                     | <u>238</u>                 | <u>Light-Emitting Diode</u>       | <u>\$37.60</u>                    |

| Additional Facilities                                                                                  | Monthly Rate             |
|--------------------------------------------------------------------------------------------------------|--------------------------|
| Wooden Pole                                                                                            | \$3.05 -per pole         |
| Customer Operated Switch                                                                               | \$2.10 -per switch       |
| 5 <del>k</del> kVA Overhead Transformer*                                                               | \$5.60 -per transformer  |
| 15 <del>k</del> kVA Overhead Transformer                                                               | \$15.80 -per transformer |
| Overhead Secondary Extension in<br><del>E</del> excess of 100 <del>F</del> feet per <del>L</del> light | \$0.014 per foot         |
| Underground Secondary Extension in Dirt                                                                | \$0.029 per foot         |
| Underground Secondary Extension in<br>Medium or Hard Rock and Paved Areas                              | \$0.080 per foot         |

\* Closed to new installations. Applicable only to existing ANSL ~~L~~lighting served by 5 kVA transformers. As these 5 kVA transformers reach the end of their useful lives, they will be replaced with 15 kVA transformers.

#### Adjustments

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per ~~KWH~~kWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per ~~KWH~~kWh, which is computed based upon the current month's estimated ~~KWH~~kWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the ~~KWH~~kWh generated during the preceding month and then dividing the result by the current month's estimated ~~KWH~~kWh sales; plus
- (c) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the ~~KWH~~kWh generated during the preceding month and then dividing the result by the current month's estimated ~~KWH~~kWh sales; plus
- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

#### **LATE PAYMENT CHARGE**

The Monthly Bill will be charged if payment is made within the period indicated on the bill. Bills not paid within this period will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs, garbage fees and sales taxes.

#### **TERM OF SERVICE**

The Term of Service shall be in accordance with the CPS Energy Application and Agreement for All ~~Nite~~Night Security ~~Lite~~Light.

#### **RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service which are incorporated herein by this reference.

#### **LUMINAIRE CHANGEOUTS**

CPS Energy will consider Customer requests for the changeout of existing operational ANSLs (luminaire, lamp, photocell) for another type of ANSL. Requests for changeout will be contingent upon overall CPS Energy work schedule and changeouts will be scheduled so as not to interfere with normal CPS Energy operations (lighting maintenance, new lighting installation, etc.). The Customer will be responsible for all applicable costs and charges associated with the requested ANSL changeout. CPS Energy reserves the right to reject or delay, for any reason, a request for an ANSL changeout.

#### **CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customers, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

DRAFT



# CPS Energy

## LED LUMINAIRE RETROFIT STREETLIGHTING SERVICE

### ELECTRIC RATE

## LED

#### APPLICATION

**APPLICATION** provisions of the following are incorporated by reference: STREETLIGHTING SERVICE PUBLIC STREETLIGHTING ELECTRIC RATE (SSP), the TRIPARTY STREETLIGHTING SERVICE (MOUNTED ON MIDBLOCK POLES) ELECTRIC RATE (TSS-MBP), and TRIPARTY STREETLIGHTING SERVICE (MOUNTED ON TRAFFIC SIGNAL POLES) ELECTRIC RATE (TSS-TSP). This rate is applicable to service supplied to the Customer for Light-Emitting Diode (LED) luminaires that meet the following requirements:

- LED luminaires which replace existing 100 ~~W~~watt, 250 ~~W~~watt, and 400 ~~W~~watt High Pressure Sodium (HPS) or Metal Halide (MH) luminaires excluding decorative lighting; and
- LED luminaires which replace existing High Pressure Sodium (HPS) or Metal Halide (MH) luminaires for which the Customer pays all costs for capital and installation of new LED luminaires, and removal of existing luminaires ~~plus the unamortized value of luminaires replaced.~~

#### TYPE(S) AND CONDITIONS OF SERVICE

The types and conditions of service available under this rate are described in the corresponding SSP, TSS-MBP, or TSS-TSP ~~rate~~ tariff from which the existing HPS or MH luminaires were billed.

#### MONTHLY BILL

For qualifying luminaires, the monthly LED bill will be as follows:

#### MONTHLY LED RATES FOR QUALIFYING LIGHTS ORIGINALLY BILLED UNDER THE SSP RATE

##### STREETLIGHTS (OVERHEAD DISTRIBUTION)

##### First Generation LED Luminaires – Installed Prior to Effective Date of this Tariff

| Watts<br>Per LED<br>Luminaire | <u>Type of Existing Lamp Being<br/>Type of Lamp Replaced with<br/>LED Luminaire</u> | Monthly Rate      |                   |
|-------------------------------|-------------------------------------------------------------------------------------|-------------------|-------------------|
|                               |                                                                                     | Single<br>Fixture | Double<br>Fixture |
| 55                            | <del>LED Luminaire to replace existing 100 W HPS</del>                              | \$6.85            | ---               |
| 96                            | <del>LED Luminaire to replace existing 250 W HPS or MH</del>                        | \$10.45           | \$15.50           |
| 164                           | <del>LED Luminaire to replace existing 400 W HPS</del>                              | \$12.90           | ---               |

##### Second Generation LED Luminaires

| Watts<br>Per LED | <u>Type of Existing Lamp Being</u> | Monthly Rate |        |
|------------------|------------------------------------|--------------|--------|
|                  |                                    | Single       | Double |

| <u>Luminaire</u> | <u>Replaced with LED Luminaire</u> | <u>Fixture</u> | <u>Fixture</u> |
|------------------|------------------------------------|----------------|----------------|
| 41.5             | 100 W HPS                          | \$6.80         | ---            |
| 157              | 250 W HPS or MH                    | \$11.75        | \$18.20        |
| 238              | 400 W HPS                          | \$14.70        | ---            |

**STREETLIGHTS (UNDERGROUND DISTRIBUTION)**

**First Generation LED Luminaires**

| <u>Watts<br/>Per LED<br/>Luminaire</u> | <u>Type of Existing Lamp Being<br/>and Installation Replaced with<br/>LED Luminaire</u>       | <u>Monthly Rate</u>       |                           |
|----------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------|---------------------------|
|                                        |                                                                                               | <u>Single<br/>Fixture</u> | <u>Double<br/>Fixture</u> |
| 55                                     | LED Luminaire to replace existing<br>100 W HPS                                                | \$13.10                   | ---                       |
| 96                                     | LED Luminaire to replace existing<br>250 W HPS or MH                                          | \$21.15                   | \$27.95                   |
| 164                                    | LED Luminaire to replace existing<br>400 W HPS – 32-foot lamp height<br>– 32 Foot Lamp Height | \$23.90                   | \$30.95                   |
| 164                                    | LED Luminaire to replace existing<br>400 W HPS – 50-foot lamp height                          | \$25.10                   | ---                       |

**Second Generation LED Luminaires**

| <u>Watts<br/>Per LED<br/>Luminaire</u> | <u>Type of Existing Lamp Being<br/>Replaced with LED Luminaire</u> | <u>Monthly Rate</u>       |                           |
|----------------------------------------|--------------------------------------------------------------------|---------------------------|---------------------------|
|                                        |                                                                    | <u>Single<br/>Fixture</u> | <u>Double<br/>Fixture</u> |
| 41.5                                   | 100 W HPS or MH                                                    | \$13.05                   | ---                       |
| 157                                    | 250 W HPS or MH                                                    | \$22.45                   | \$30.60                   |
| 238                                    | 400 W HPS – 32-foot lamp height<br>– 50 Foot Lamp Height           | \$25.70                   | \$34.65                   |
| 238                                    | 400 W HPS – 50-foot lamp height                                    | \$26.90                   | ---                       |

**MONTHLY LED RATES FOR QUALIFYING LIGHTS ORIGINALLY BILLED UNDER THE TSS-MBP RATE**

Monthly Rate Charged Prior To First Replacement of Midblock Pole by CPS Energy

| <u>Watts<br/>Per LED<br/>Luminaire</u> | <u>Type of Existing Lamp Being<br/>and Installation Replaced with<br/>LED Luminaire</u> | <u>Monthly Rate</u>       |                           |
|----------------------------------------|-----------------------------------------------------------------------------------------|---------------------------|---------------------------|
|                                        |                                                                                         | <u>Single<br/>Fixture</u> | <u>Double<br/>Fixture</u> |
| 164                                    | LED Luminaire to replace existing<br>400 W MH on Midblock Pole                          | \$16.10                   | \$23.90                   |

**MONTHLY LED RATES FOR QUALIFYING LIGHTS ORIGINALLY BILLED UNDER THE TSS-TSP RATE**

| <u>Watts<br/>Per LED<br/>Luminaire</u> | <u>Type of Existing Lamp Being<br/>and Installation Replaced with<br/>LED Luminaire</u> | <u>Monthly Rate</u>       |                           |                           |
|----------------------------------------|-----------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|
|                                        |                                                                                         | <u>Single<br/>Fixture</u> | <u>Double<br/>Fixture</u> | <u>Triple<br/>Fixture</u> |
| 96                                     | LED Luminaire to replace existing<br>250 W MH on Traffic Signal Pole                    | ---                       | \$18.65                   | \$24.25                   |
| 164                                    | LED Luminaire to replace existing<br>400 W MH on Traffic Signal Pole                    | \$15.45                   | ---                       | ---                       |

### Adjustments

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per ~~kWh~~kWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per ~~kWh~~kWh, which is computed based upon the current month's estimated ~~kWh~~kWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over- and under-recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the ~~kWh~~kWh generated during the preceding month and then dividing the result by the current month's estimated ~~kWh~~kWh sales; plus
- (c) An adjustment, if indicated by the current status of the over- and under-recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the ~~kWh~~kWh generated during the preceding month and then dividing the result by the current month's estimated ~~kWh~~kWh sales; plus
- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

### **LATE PAYMENT CHARGE**

The Monthly Bill will be charged if payment is made within the period indicated on the bill. Bills not paid within this period will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs. This provision is not applicable to streetlights installed within the City of San Antonio.

### **TERM OF SERVICE**

The Term of Service shall be in accordance with the contract or agreement between CPS Energy and the corresponding applicant.

### **RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service which are incorporated herein by this reference.

### **CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customers, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

# CPS Energy

## DECORATIVE STREETLIGHTING SERVICE

### ELECTRIC RATE

### SSD

#### APPLICATION

The Decorative Streetlight (Underground Distribution) rate applies to service supplied to decorative streetlight installations that

- illuminate dedicated public streets and highways within the area served by CPS Energy or are located within a CPS Energy service area that is a designated United States Government Military enclave where facilities have been privatized; and
- are owned, operated, and maintained totally and in full by CPS Energy; and
- applicant funded all material and installation costs of said streetlights at the time of installation. Installation may be performed, either wholly or partially, by CPS Energy or by applicant.

The Municipal Service rate is only available to the City of San Antonio and municipalities within the CPS Energy service area. Such municipal customers may fund the full installation of decorative streetlights and pay the standard decorative streetlight charges under this rate.

These rates are not applicable to illumination of state highways or All ~~NiteNight~~ Security ~~LiteLight~~ Service.

#### TYPE OF SERVICE

The types and conditions of service available under these rates are described in the individual contract or agreement between CPS Energy and the corresponding applicant.

#### MONTHLY BILL

#### DECORATIVE STREETLIGHTS (UNDERGROUND DISTRIBUTION)

| Nominal Lamp Size<br>In Lumens | Lamp Rating<br>In Watts | Type of Lamp                                | Monthly Rate   |                |
|--------------------------------|-------------------------|---------------------------------------------|----------------|----------------|
|                                |                         |                                             | Single Fixture | Double Fixture |
| 32,000                         | 400                     | Metal Halide – Flex                         | \$17.10        | \$27.10        |
| 14,000                         | 175                     | Metal Halide – Pendant                      | \$13.60        | ---            |
| 19,500                         | 250                     | Metal Halide – Acorn                        | \$16.45        | \$25.80        |
| <u>5,778</u>                   | <u>99</u>               | <u>Light-Emitting Diode (LED) – Pendant</u> | <u>\$11.10</u> | ---            |
| <u>13,315</u>                  | <u>136</u>              | <u>Light-Emitting Diode – Acorn</u>         | <u>\$19.00</u> | <u>\$31.65</u> |

#### MUNICIPAL SERVICE

| Nominal Lamp Size<br>In Lumens | Lamp Rating<br>In Watts | Type of Lamp                                | Monthly Rate   |                 |
|--------------------------------|-------------------------|---------------------------------------------|----------------|-----------------|
|                                |                         |                                             | Single Fixture | Double Fixture  |
| 32,000                         | 400                     | Metal Halide – Flex                         | \$57.05        | \$74.65         |
| 14,000                         | 175                     | Metal Halide – Pendant                      | \$44.40        | ---             |
| 19,500                         | 250                     | Metal Halide – Acorn                        | \$67.95        | \$101.15        |
| <u>5,778</u>                   | <u>99</u>               | <u>Light-Emitting Diode (LED) – Pendant</u> | <u>\$42.20</u> | ---             |
| <u>13,315</u>                  | <u>136</u>              | <u>Light-Emitting Diode – Acorn</u>         | <u>\$70.90</u> | <u>\$107.95</u> |

### Adjustments

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per KWHkWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per KWHkWh, which is computed based upon the current month's estimated KWHkWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the KWHkWh generated during the preceding month and then dividing the result by the current month's estimated KWHkWh sales; plus
- (c) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the KWHkWh generated during the preceding month and then dividing the result by the current month's estimated KWHkWh sales; plus
- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

### **LATE PAYMENT CHARGE**

Bills not paid within the period indicated on the bill will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs. This provision is not applicable to streetlights installed within the City of San Antonio.

### **TERM OF SERVICE**

The Term of Service shall be in accordance with the contract or agreement between CPS Energy and the corresponding applicant.

### **RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service, which are incorporated herein by reference as if set forth in full.

### **LUMINAIRE CHANGEOUTS**

—CPS Energy will consider Customer requests for the changeout of existing operational streetlights (luminaire, lamp, photocell) for another type of streetlight. Requests for changeout will be contingent upon overall CPS Energy work schedule and changeouts will be scheduled so as not to interfere with normal CPS Energy operations (lighting maintenance, new lighting installation, etc.). The Customer will be responsible for all applicable costs and charges associated with the requested streetlight changeout. CPS Energy reserves the right to reject or delay, for any reason, a request for a streetlight changeout.

### **CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customer, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

# CPS Energy

## STREETLIGHTING SERVICE STATE EXPRESSWAY LIGHTING

### ELECTRIC RATE

## SSE

#### APPLICATION

This rate is applicable to service for the operation and maintenance of lighting of dedicated highways, expressways, or thoroughfares where the installation is totally financed by the State of Texas.

#### TYPE OF SERVICE

The types and conditions of service available under this rate are described in the contract(s) or agreement(s) between CPS Energy, the State of Texas, the City of San Antonio, or other municipal or political subdivisions.

#### MONTHLY BILL

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp<br>and Installation  | Monthly Rate<br>Single<br>Fixture |
|-----------------------------------|----------------------------|-----------------------------------|-----------------------------------|
| 12,000                            | 250                        | Mercury Vapor                     | \$18.50                           |
| 21,000                            | 400                        | Mercury Vapor                     | \$22.60                           |
| 55,000                            | 1,000                      | Mercury Vapor                     | \$38.15                           |
| 5,800                             | 70                         | High Pressure Sodium              | \$15.00                           |
| 9,500                             | 100                        | High Pressure Sodium (Underpass)  | \$6.85                            |
| 16,000                            | 150                        | High Pressure Sodium              | \$16.25                           |
| 25,000                            | 250                        | High Pressure Sodium              | \$18.65                           |
| 47,000                            | 400                        | High Pressure Sodium              | \$23.45                           |
| 47,000                            | 400                        | High Pressure Sodium (Hi-Mast)    | \$29.60                           |
| 140,000                           | 1,000                      | High Pressure Sodium (Hi-Mast)    | \$45.10                           |
| <u>14,620</u>                     | <u>157</u>                 | <u>Light-Emitting Diode (LED)</u> | <u>\$19.15</u>                    |
| <u>22,703</u>                     | <u>238</u>                 | <u>Light-Emitting Diode</u>       | <u>\$24.15</u>                    |

#### Adjustments

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per kWhkWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- The current month's estimated unit fuel cost per kWhkWh, which is computed based upon the current month's estimated kWhkWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the kWhkWh generated during the preceding month and then dividing the result by the current month's estimated kWhkWh sales; plus
- An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the kWhkWh generated during the preceding month and then dividing the result by the current month's estimated kWhkWh sales; plus

- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

#### **LATE PAYMENT CHARGE**

The Monthly Bill will be charged if payment is made within the period indicated on the bill. Bills not paid within this period will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs. This provision is not applicable to streetlights installed within the City of San Antonio.

#### **TERM OF SERVICE**

The Term of Service shall be in accordance with the contract(s) or agreement(s) between CPS Energy and the State of Texas, the City of San Antonio, or other municipal or political subdivisions.

#### **RULES AND REGULATIONS**

Service is subject to CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service which are incorporated herein by this reference.

#### **CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customers, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

# CPS Energy

## STREETLIGHTING SERVICE PUBLIC STREETLIGHTING

### ELECTRIC RATE

## SSP

#### APPLICATION

This rate is applicable to service supplied for the illumination of dedicated public streets and highways within the area served by CPS Energy where CPS Energy owns, installs, operates, and maintains the entire installation or to streetlights installed within the City of San Antonio for which the City of San Antonio provides no funds for the installation costs of said streetlights except as incorporated in the monthly rate.

This rate is not applicable to illumination of state highways, or All ~~NiteNight~~ Security ~~LiteLight~~ Service.

#### TYPE OF SERVICE

The types and conditions of service available under this rate are described in the individual contract or agreement between CPS Energy and the corresponding applicant.

#### MONTHLY BILL

##### STREETLIGHTS (OVERHEAD DISTRIBUTION)

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp                      | Monthly Rate      |                   |
|-----------------------------------|----------------------------|-----------------------------------|-------------------|-------------------|
|                                   |                            |                                   | Single<br>Fixture | Double<br>Fixture |
| 7,000                             | 175                        | Mercury Vapor                     | \$10.15           | ---               |
| 21,000                            | 400                        | Mercury Vapor                     | \$17.45           | \$29.60           |
| 55,000                            | 1,000                      | Mercury Vapor                     | \$32.00           | ---               |
| 9,500                             | 100                        | High Pressure Sodium              | \$8.75            | ---               |
| 25,000                            | 250                        | High Pressure Sodium              | \$14.25           | \$23.05           |
| 47,000                            | 400                        | High Pressure Sodium              | \$19.10           | ---               |
| 19,500                            | 250                        | Metal Halide                      | \$14.65           | \$23.30           |
| <u>3,600</u>                      | <u>41.5</u>                | <u>Light-Emitting Diode (LED)</u> | <u>\$8.30</u>     | ---               |
| <u>14,620</u>                     | <u>157</u>                 | <u>Light-Emitting Diode</u>       | <u>\$14.75</u>    | <u>\$24.90</u>    |
| <u>22,703</u>                     | <u>238</u>                 | <u>Light-Emitting Diode</u>       | <u>\$19.80</u>    | ---               |

##### STREETLIGHTS (UNDERGROUND DISTRIBUTION)

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp<br>and Installation                  | Monthly Rate      |                   |
|-----------------------------------|----------------------------|---------------------------------------------------|-------------------|-------------------|
|                                   |                            |                                                   | Single<br>Fixture | Double<br>Fixture |
| 7,000                             | 175                        | Mercury Vapor on a Wood Pole                      | \$14.00           | ---               |
| 7,000                             | 175                        | Mercury Vapor on a Metal Pole                     | \$18.60           | ---               |
| 21,000                            | 400                        | Mercury Vapor                                     | \$26.20           | \$41.55           |
| 55,000                            | 1,000                      | Mercury Vapor                                     | \$41.80           | ---               |
| 9,500                             | 100                        | High Pressure Sodium                              | \$15.00           | ---               |
| 25,000                            | 250                        | High Pressure Sodium                              | \$24.95           | \$35.45           |
| 25,000                            | 250                        | High Pressure Sodium – <u>Decorative</u>          | <u>\$28.95</u>    | <u>\$44.95</u>    |
|                                   |                            | <u>–Decorative</u>                                | <u>\$28.95</u>    | <u>\$44.95</u>    |
| 47,000                            | 400                        | High Pressure Sodium – <u>32-foot lamp height</u> | <u>\$30.10</u>    | <u>\$43.40</u>    |
|                                   |                            | <u>–32 Foot Lamp Height</u>                       | <u>\$30.10</u>    | <u>\$43.40</u>    |
| 47,000                            | 400                        | High Pressure Sodium – <u>50-foot lamp height</u> | <u>\$31.30</u>    | <u>\$56.70</u>    |
|                                   |                            | <u>–50 Foot Lamp Height</u>                       | <u>\$31.30</u>    | <u>\$56.70</u>    |
| 19,500                            | 250                        | Metal Halide                                      | \$27.95           | \$37.45           |
| 19,500                            | 250                        | Metal Halide – Decorative                         | \$32.25           | \$44.30           |



|               |             |                                                   |                |                |
|---------------|-------------|---------------------------------------------------|----------------|----------------|
| <u>3,600</u>  | <u>41.5</u> | <u>Light-Emitting Diode (LED)</u>                 | <u>\$14.55</u> | <u>---</u>     |
| <u>14,620</u> | <u>157</u>  | <u>Light-Emitting Diode</u>                       | <u>\$25.45</u> | <u>\$37.30</u> |
| <u>22,703</u> | <u>238</u>  | <u>Light-Emitting Diode – 32-foot lamp height</u> | <u>\$30.80</u> | <u>\$45.65</u> |
| <u>22,703</u> | <u>238</u>  | <u>Light-Emitting Diode – 50-foot lamp height</u> | <u>\$32.00</u> | <u>\$58.95</u> |

**STREETLIGHTS (UNDERPASSES)**

| Nominal Lamp Size In Lumens | Lamp Rating In Watts | Type of Lamp                      | Monthly Rate Single Fixture |
|-----------------------------|----------------------|-----------------------------------|-----------------------------|
| 7,000                       | 175                  | Mercury Vapor                     | \$12.25                     |
| 12,000                      | 250                  | Mercury Vapor                     | \$16.00                     |
| 9,500                       | 100                  | High Pressure Sodium              | \$11.70                     |
| 25,000                      | 250                  | High Pressure Sodium              | \$17.00                     |
| <u>15,146</u>               | <u>162.7</u>         | <u>Light-Emitting Diode (LED)</u> | <u>\$18.00</u>              |

**Adjustments**

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per kWhkWh sold. The unit fuel cost factor for the current month is computed as the sum of:

- (a) The current month's estimated unit fuel cost per kWhkWh, which is computed based upon the current month's estimated kWhkWh generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- (b) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the kWhkWh generated during the preceding month and then dividing the result by the current month's estimated kWhkWh sales; plus
- (c) An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the kWhkWh generated during the preceding month and then dividing the result by the current month's estimated kWhkWh sales; plus
- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

**LATE PAYMENT CHARGE**

The Monthly Bill will be charged if payment is made within the period indicated on the bill. Bills not paid within this period will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs. This provision is not applicable to streetlights installed within the City of San Antonio.

**TERM OF SERVICE**

The Term of Service shall be in accordance with the contract or agreement between CPS Energy and the corresponding applicant.

## **RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service which are incorporated herein by this reference.

## **LUMINAIRE CHANGEOUTS**

CPS Energy will consider Customer requests for the changeout of existing operational streetlights (luminaire, lamp, photocell) for another type of streetlight. Requests for changeout will be contingent upon overall CPS Energy work schedule and changeouts will be scheduled so as not to interfere with normal CPS Energy operations (lighting maintenance, new lighting installation, etc.). The Customer will be responsible for all applicable costs and charges associated with the requested streetlight changeout. CPS Energy reserves the right to reject or delay, for any reason, a request for a streetlight changeout.

## **CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customers, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

DRAFT

# CPS Energy

## PUBLIC STREETLIGHTING SERVICE

### ELECTRIC RATE

## SSP - Unincorporated

#### APPLICATION

This rate applies to service supplied to streetlights that illuminate dedicated public streets and highways within unincorporated areas in the CPS Energy service area, or streetlights that are located within a CPS Energy service area that is a designated United States Government Military enclave where facilities have been privatized; and for which the applicant funds all material and installation costs of said streetlights at the time of installation. Installation may be performed, either wholly or partially, by CPS Energy or by applicant, but all installations are owned, operated, and maintained totally and in full by CPS Energy. Acceptance of an application for service under this rate will be contingent upon applicant securing necessary prior approval from the governmental authority having jurisdiction.

This rate is not applicable to illumination of state highways or All ~~NiteNight~~ Security ~~LiteLight~~ Service.

#### TYPE OF SERVICE

The types and conditions of service available under this rate are described in the individual contract or agreement between CPS Energy and the corresponding applicant.

#### MONTHLY BILL

##### STANDARD STREETLIGHTS (OVERHEAD OR UNDERGROUND DISTRIBUTION)

| Nominal<br>Lamp Size<br>In Lumens | Lamp<br>Rating<br>In Watts | Type of Lamp and Installation     | Monthly Rate      |                   |
|-----------------------------------|----------------------------|-----------------------------------|-------------------|-------------------|
|                                   |                            |                                   | Single<br>Fixture | Double<br>Fixture |
| 9,500                             | 100                        | High Pressure Sodium              | \$10.00           | ---               |
| 27,000                            | 250                        | High Pressure Sodium              | \$12.75           | \$18.45           |
| 47,000                            | 400                        | High Pressure Sodium              | \$16.70           | \$26.35           |
| 27,000                            | 250                        | High Pressure Sodium – Shoe Box   | \$13.00           | \$19.10           |
| 19,500                            | 250                        | Metal Halide – Shoe Box           | \$13.20           | \$19.45           |
| <u>3,600</u>                      | <u>41.5</u>                | <u>Light-Emitting Diode (LED)</u> | <u>\$9.50</u>     | <u>---</u>        |
| <u>14,620</u>                     | <u>157</u>                 | <u>Light-Emitting Diode</u>       | <u>\$13.20</u>    | <u>\$20.20</u>    |
| <u>22,703</u>                     | <u>238</u>                 | <u>Light-Emitting Diode</u>       | <u>\$17.35</u>    | <u>\$28.50</u>    |

#### Adjustments

Plus or minus an amount which reflects the difference in the unit fuel cost factor for the current month above or below a basic cost of \$0.01416 per ~~kWh~~ sold. The unit fuel cost factor for the current month is computed as the sum of:

- The current month's estimated unit fuel cost per ~~kWh~~, which is computed based upon the current month's estimated ~~kWh~~ generation mix, unit fuel cost by fuel type, any known changes in fuel cost, sales to other than long-term customers, purchases and line losses; plus
- An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated unit fuel cost and the current computation for this value. This adjustment is computed by multiplying the difference between the preceding month's estimated unit fuel cost (corrected for any fuel supplier surcharge) and the current computation for this value times the ~~kWh~~ generated during the preceding month and then dividing the result by the current month's estimated ~~kWh~~ sales; plus
- An adjustment, if indicated by the current status of the over and under recovery of fuel costs for the recovery year in progress, to correct for the difference between the preceding month's estimated value for the second preceding month's unit fuel cost and actual unit fuel cost for that month. This adjustment is computed by multiplying the difference between the preceding month's estimated

value for the second preceding month's unit fuel cost and the actual unit fuel cost for that month (corrected for any fuel supplier surcharge) times the  $\frac{\text{kWh}}{\text{kWh}}$  generated during the preceding month and then dividing the result by the current month's estimated  $\frac{\text{kWh}}{\text{kWh}}$  sales; plus

- (d) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors during the months preceding, including, and/or following January each year, depending on the dollar amount of adjustment necessary to balance the annual cumulative actual fuel cost with the annual cumulative fuel cost recovery through these rates; plus
- (e) An adjustment to reflect offsetting credits to or additions to fuel costs resulting from judicial orders or settlements of legal proceedings affecting fuel costs or components thereof, including taxes or transportation costs, or to reflect accounting and billing record corrections or other out-of-period adjustments to fuel costs.
- (f) An adjustment, as necessary, which may be derived and applied to the unit fuel cost factors for recovery of dollars spent for the verifiable kW reductions that are above the level reflected in base rates for energy efficiency and conservation programs. Recovery of such costs would be allowed once an independent third party reviews and confirms the incremental kW reductions.

Plus or minus the proportionate part of the increase or decrease in taxes, required payments to governmental entities or for governmental or municipal purposes which may be hereafter assessed, imposed, or otherwise required and which are payable out of or are based upon revenues of the electric system.

#### **LATE PAYMENT CHARGE**

Bills not paid within the pay period indicated on the bill will be charged an additional 2 percent times the Monthly Bill excluding the adjustment for fuel costs.

#### **TERM OF SERVICE**

The Term of Service shall be in accordance with the contract or agreement between CPS Energy and the corresponding applicant.

#### **RULES AND REGULATIONS**

Service is subject to the CPS Energy Rules and Regulations Applying to Retail Electric and Gas Service, which are incorporated herein by reference as if set forth in full.

#### **LUMINAIRE CHANGEOUTS**

Customer requests for the changeout of existing operational streetlights (luminaire, lamp, photocell) for another type of streetlight will be contingent upon overall CPS Energy work schedule, and changeouts will be scheduled so as not to interfere with normal CPS Energy operations. Customer will be responsible for all applicable costs and charges associated with the requested streetlight changeout. CPS Energy reserves the right to reject or delay, for any reason, a request for a streetlight changeout.

#### **CURTAILMENT**

CPS Energy shall have the right at any and all times to immediately adjust in whole or in part, the supply of electricity to Customer, in order to adjust to fuel supplies for generation of electricity or to adjust to other factors affecting delivery capability.

Item # 24

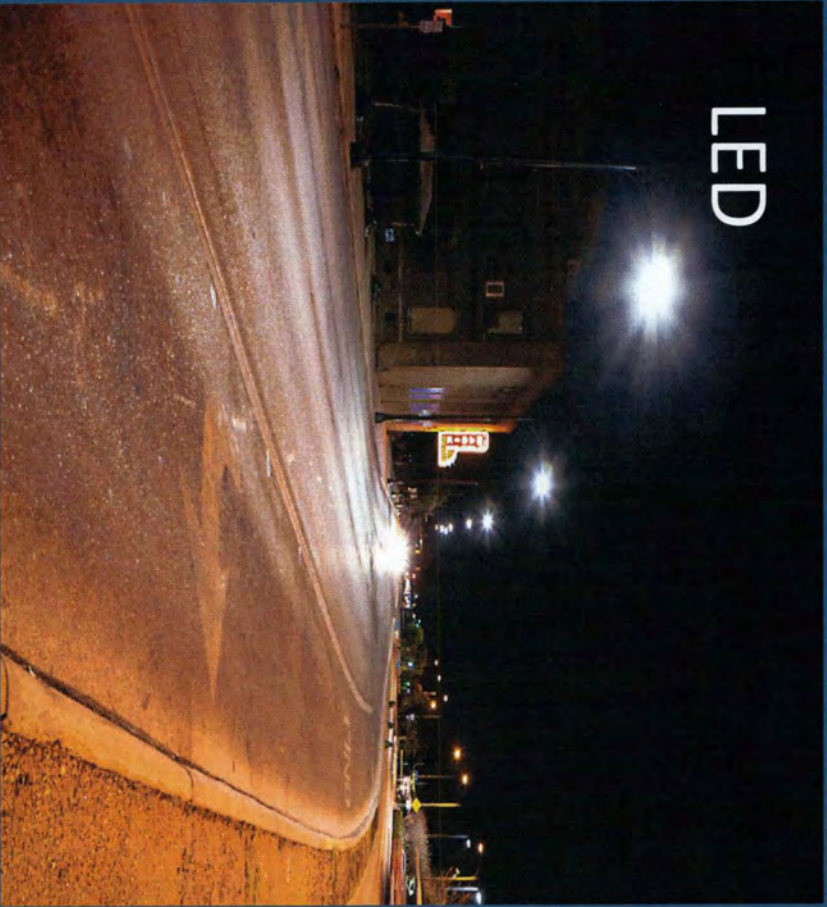
# City Council A Session

City Wide  
Streetlight Program

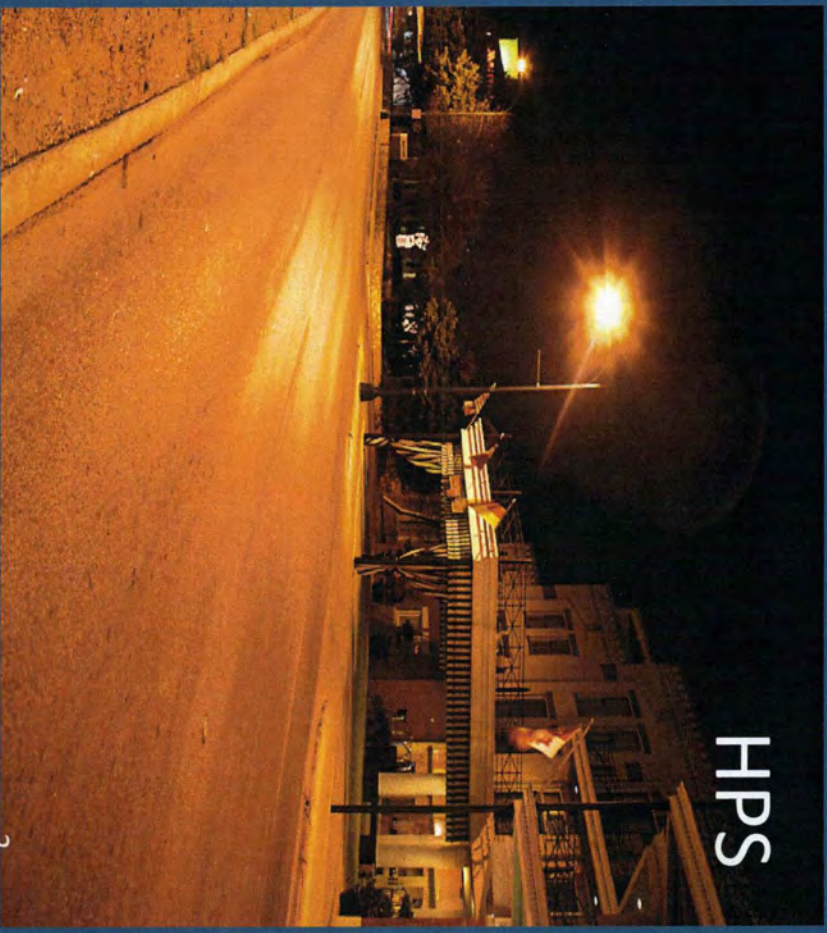
Ben Gorzell,  
Chief Financial Officer  
June 2, 2016

# LED vs. HPS

LED

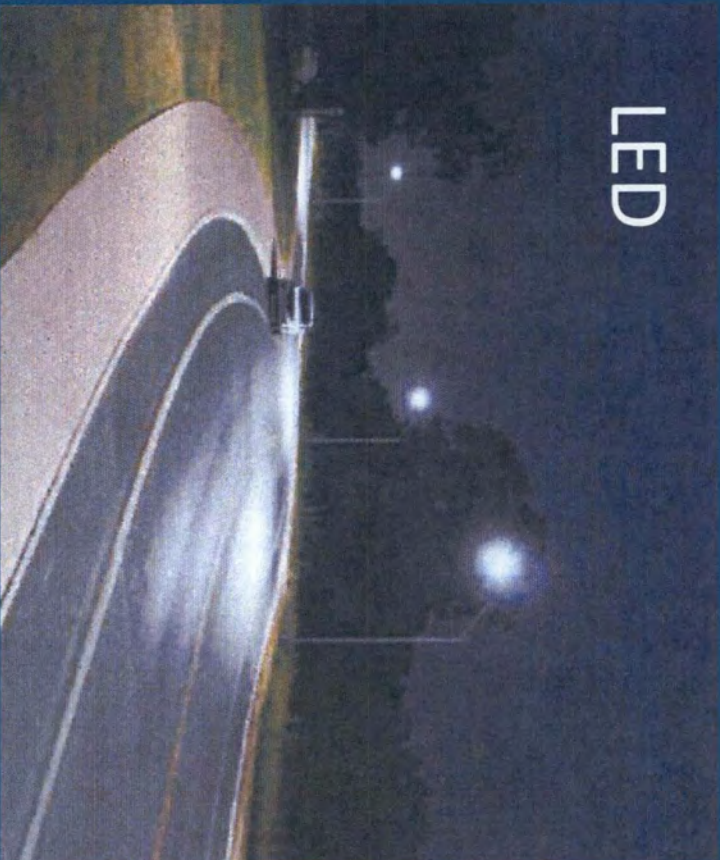


HPS

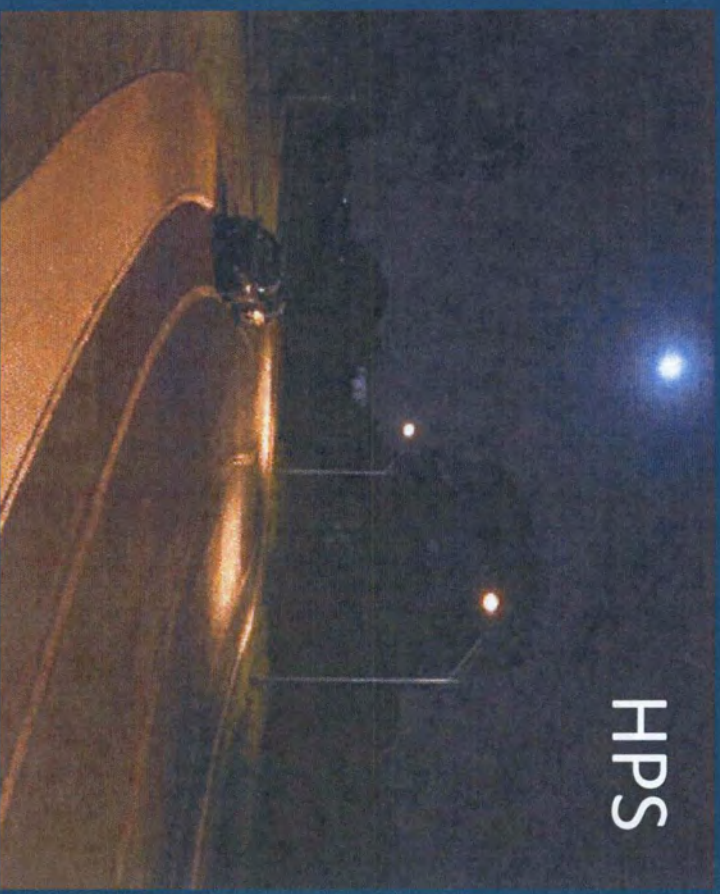


# LED vs. HPS

LED



HPS



# Benefits of LED



Reduced  
Energy  
Usage



Reduced  
Maintenance &  
Replacement Costs



Reduced  
Fuel Costs



# City Streetlight Inventory Retrofit Plan

72,500 Street Lights City Wide



23,500

Major Street  
Retrofit

October 2014



1,500

Downtown  
Retrofit

October 2016



30,000

Residential  
Retrofit

March 2018



17,500 Remaining

9,947 Expressway  
6,800 Standard  
300 Decorative  
292 Mission Trails  
161 Other

LED Retrofit Rate Approved by  
City Council in 2012

Proposed LED  
Rate Request

# Proposed Ordinance

LED Rates for 5 New Streetlight Rate Classes &  
Updated Prices on Existing LED Retrofit Streetlight Tariff

New &  
Updated  
Rates

LED Conversion

Projects  
That  
Benefit

Residential LED  
Streetlight  
Retrofit Project

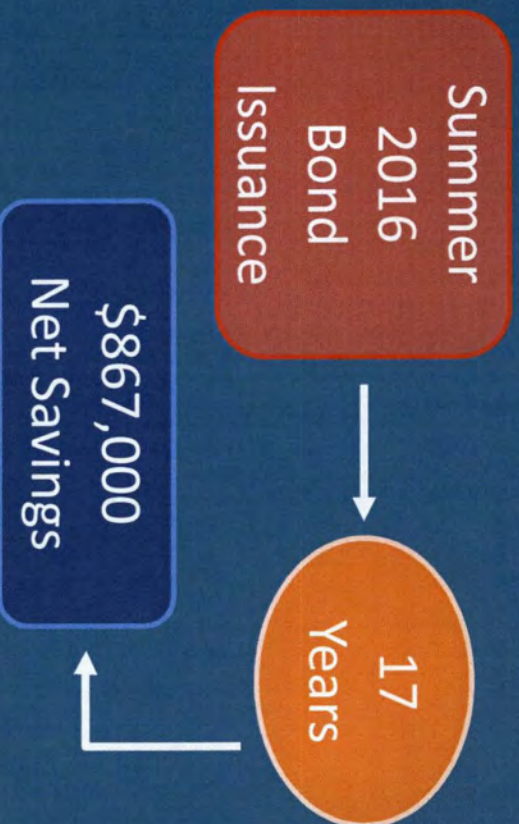


New LED  
Streetlight  
Installation

D5 Streetlight  
Improvement  
Project

# Streetlight Funding

Residential Improvements



District 5 Additional  
Streetlight Improvements

\$2 Million



# LED Technology Considerations



**GREENSTAR**

Potential for Smart Technology Adders



Real Time  
Outage  
Monitoring



Dimming  
Capability



Consumption  
Monitoring

# Recommendation/Timeline

Recommend Approval of Proposed New LED Streetlight Rates and Updates to the Existing LED Retrofit Rates.





# City Council A Session

## City Wide Streetlight Program

Ben Gorzell,  
Chief Financial Officer  
June 2, 2016