

## SMUD Charges for Operation & Maintenance and Non-Standard Equipment on Street and Outdoor Lighting Service Rates

SMUD's monthly bills for street and outdoor night lighting services include separate charges for 1) The energy used by the light fixture and 2) Any services provided by SMUD for installing equipment and ongoing maintenance.

**Energy Charges:** The charge for the energy use can be found in the SMUD rate schedules SLS and NLGT as a monthly cost multiplier to the lamp wattage. This charge can only be revised through a rate action approved by the SMUD Board of Directors.

**Maintenance Charges:** The following tables present the additional monthly charges for SMUD services to install, maintain and replace standard lamps and fixtures, and for the cost of providing additional or alternate non-standard installations.

Table 1 presents the monthly maintenance and replacement charges for currently approved lamps with standard fixture installations. The costs vary by lamp type, lamp wattage, and the ownership status of the pole and fixture under the following rate options:

*Customer-Owned, SMUD-Maintained (Rate Code SL\_CODM)* where the customer owns the street lighting equipment and desires SMUD to provide for the lamp servicing and maintenance, including the lamps, refractors and ballasts. This rate is closed to new customers and installations.

*SMUD-Owned, SMUD-Maintained (Rate Code SL\_DOM)* where the customer wishes SMUD to own, install, operate and maintain the entire street lighting system.

*Outdoor Lighting Service (Rate Code NLGT)* where SMUD installs and maintains its own fixtures on existing SMUD-owned wood poles to provide night lighting on private property at the customer's request.

**Cost Updates:** Fee updates will seek to ensure operations and maintenance fees align with actual SMUD expenses. Table 1 and Table 2 may be reviewed annually and updated for the addition of any new SMUD-approved lamps and fixtures and for any substantive changes.

**Table 1**  
**Lighting Fixture Maintenance Charges**  
For Standard Installation

Lamp Type	Lighting Fixture Ownership	SMUD Rate Code <sup>1</sup>	Rated Watts <sup>2</sup>	Cost per Lamp per Month			
				2023 <sup>5</sup>	2024 <sup>5</sup>	2025 <sup>5</sup>	2026 <sup>5</sup>
Mercury Vapor <sup>3</sup>	Customer	SL_CODM	205	\$1.40	\$3.61	\$5.83	\$8.04
	SMUD	SL_DOM	205	\$7.87	\$9.85	\$11.83	\$13.81
			455	\$12.09	\$12.68	\$13.27	\$13.86
		NLGT	205	\$8.32	\$10.15	\$11.98	\$13.81
			455	\$11.32	\$12.17	\$13.01	\$13.86
Sodium Vapor	Customer	SL_CODM	117	\$2.97	\$4.74	\$6.50	\$8.27
			228	\$2.93	\$4.71	\$6.49	\$8.27
	SMUD	SL_DOM	117	\$9.97	\$11.49	\$13.01	\$14.53
			228	\$17.48	\$16.50	\$15.51	\$14.53
		NLGT	117	\$10.42	\$12.55	\$14.69	\$16.82
			228	\$16.71	\$16.75	\$16.79	\$16.83
LED_Cobra <sup>1,4</sup>	Customer	SL_CODM	38	-	-	\$3.47	\$4.01
			73			\$3.87	\$4.49
	SMUD	SL_DOM	38	\$9.23	\$9.84	\$10.46	\$11.07
			73	\$9.77	\$10.49	\$11.22	\$11.94
LED_PT <sup>1,4</sup>	Customer	SL_CODM	38	-	-	\$4.81	\$5.83
			71			\$5.00	\$6.05
	SMUD	SL_DOM	38	\$10.86	\$12.03	\$13.19	\$14.36
			71	\$11.27	\$12.43	\$13.59	\$14.75
LED_NL <sup>4</sup>	SMUD	NLGT	40	\$9.58	\$10.63	\$11.67	\$12.72
			60	\$8.76	\$9.81	\$10.87	\$11.92

**Notes:**

1. Rate and Lamp Type Codes:
  - SL\_CODM = Street Lights, Customer-Owned, SMUD-Maintained
  - SL\_DOM = Street Lights, SMUD-Owned and Maintained
  - NLGT = Night lighting
  - LED = Light Emitting Diode
  - Cobra = Cobra Head Lamp
  - PT = Post Top Lamp
2. Connected load wattage based on manufacturer's rating, including auxiliary equipment to operate the lamp.
3. Mercury lamps are among the least efficient lighting sources and the most expensive to operate. SMUD does not support future installation of these lamps. During future updates, these lamp costs will rise faster than other lamp types to more closely reflect their actual costs.
4. The rated wattage of LED lamps may vary due to the technology improving to create more energy efficient lights. Currently SMUD offers a sodium vapor 100W equivalent and a sodium vapor 200W equivalent for LED lamps. For example, the SL\_DOM has a 38W LED (100W equivalent) option and a 73W LED (200W equivalent) option for SL\_DOM cobra head lamps.
5. Prices listed will become effective January 1<sup>st</sup> of the year listed.

**Non-Standard Equipment:** SMUD standard design for lighting installations includes luminaires with arms of six feet or less, mounted on existing wood poles and powered by secondary service voltage.

Table 2 presents the additional billing charges for customers who require non-standard fixture installations, including longer luminaire arms, alternate pole types, primary service voltage, added transformers and longer line extensions.

**Table 2**  
**Additional or Alternate Equipment Charges**  
**For Non-Standard Installations**

Additional Equipment <sup>1</sup>	Installed Cost / month				Unit	Standard Installation
	2023 <sup>2</sup>	2024 <sup>2</sup>	2025 <sup>2</sup>	2026 <sup>2</sup>		
12-foot luminaire arm and brackets	\$0.66	\$0.64	\$0.62	\$0.60	per pole	Up to six feet
Glare shield	\$0.84	\$0.78	\$0.72	\$0.66	per luminaire	None
Additional wood pole	\$2.15	\$4.69	\$7.24	\$9.78	per pole	Existing Wood pole
Alternate fiberglass, concrete, steel or laminate pole	\$5.75	\$6.61	\$7.46	\$8.32	per 20-25 ft pole	
	\$12.35	\$12.34	\$12.34	\$12.33	per 30-35 ft pole	
Pole on primary voltage service	\$35.45	\$35.45	\$35.45	\$35.45	per pole	Secondary voltage
Transformer	\$19.49	\$25.23	\$30.96	\$36.70	per transformer	None
Line extension on secondary service	\$16.46	\$18.17	\$19.89	\$21.60	per span	First 250 feet

**Notes:**

1. No additional charges will be applied for facilities installed on or prior to February 1, 1950.
2. Prices listed will become effective January 1st of the year listed.