



**RATE SCHEDULE E-45
CLASSIFIED SERVICE
DUSK TO DAWN LIGHTING SERVICE**

AVAILABILITY

This rate schedule is applicable to Customers for Dusk to Dawn lighting for service to be rendered after December 1, 2021.

DESCRIPTION

The E-45 rate is available to Customers with Dusk to Dawn lights. These lights are on the Customer’s property or a private street and the Customer is charged a monthly fee for the light. This rate schedule is applicable to outdoor lighting which operates only from dusk to dawn and where service can be supplied from the existing secondary facilities of the Company.

TIME PERIOD

Dusk: Time between sunset and full night when photocontrol senses the lack of sufficient sunlight and turns on the lights.

Dawn: The time between full night and sunrise when a photocontrol senses sufficient sunlight to turn off the lights.

CHARGES

The monthly bill will consist of the fixture and energy charges, plus adjustments:

I. FIXTURES (Includes Mounting Arm, if applicable)

Fixture Equipment Class	Fixture Cost Range (per unit)	Company Owned Monthly Rate	Customer Owned Monthly Rate
A	\$ 1 - \$ 430	\$ 6.54	\$ 0.13
B	\$ 431 - \$ 520	\$ 7.97	\$ 0.15
C	\$ 521 - \$ 640	\$ 9.56	\$ 0.17
D	\$ 641 - \$ 820	\$ 11.43	\$ 0.22
E	\$ 821 - \$ 910	\$ 14.46	\$ 0.24
F	\$ 911 - \$ 1,010	\$ 16.10	\$ 0.26
G	\$ 1,011 - \$ 1,110	\$ 17.60	\$ 0.27
H	\$ 1,111 - \$ 1,250	\$ 19.95	\$ 0.30
I	\$ 1,251 - \$ 1,520	\$ 22.20	\$ 0.35
J	\$ 1,521 - \$ 1,670	\$ 27.06	\$ 0.39
K	\$ 1,671 - \$ 1,850	\$ 30.08	\$ 0.43

Note: Equipment cost greater than \$ 1,850 shall be Customer Owned.



II. ENERGY (Includes Generation, T&D, RCS & SBC)

Monthly energy charges for new lighting fixtures will be determined by the Company using the following method:

kWh = Fixture Wattage x 344 Usage Hours

Generation = kWh per month x \$ 0.07575

T&D, RCS, System Benefits = kWh per month x \$ 0.03068

NOTES:

1. Company Owned fixtures are those fixtures that the Company installs, owns, maintains, and operates.
2. Customer Owned fixtures are those fixtures where the Customer owns and maintains the lighting fixtures, and the Company approves the installation and operates the fixtures.
3. APS has adopted LED lighting technology and LED lights do not include replaceable lamps (High Pressure Sodium Lights "HPS" were discontinued by most manufacturers).
4. Listed kWh reflects the assigned monthly energy usage for each type of fixture and are used to determine any applicable transmission, system benefit, distribution, energy, and adjustment charges.
5. kWh is determined by the company based on the rated wattage of the equipment and an established average hourly usage per month.



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III. POLES

			CHARGES		
			Height	Company Owned	
A. Anchor Base Mounted	Round Steel	1 Simplex Adapter	12 ft.	\$ 14.69	
			22 ft.	\$ 16.53	
			25 ft.	\$ 17.89	
			30 ft.	\$ 20.55	
			32 ft.	\$ 21.59	
	Round Steel	2 Simplex Adapters	12 ft.	\$ 15.66	
			22 ft.	\$ 18.00	
			25 ft.	\$ 18.77	
			30 ft.	\$ 21.82	
			32 ft.	\$ 23.27	
	Square Steel	5"	13 ft.	\$ 16.84	
			15 ft.	\$ 15.04	
			23 ft.	\$ 17.85	
			25 ft.	\$ 19.62	
			28 ft.	\$ 21.78	
		Concrete		12 ft.	\$ 50.19
		Fiberglass		12 ft.	\$ 42.50
		Decorative Transit	4"	16 ft.	\$ 41.44
	Decorative Transit	6"	30 ft.	\$ 80.01	
	Hinged	Square	15 ft.	\$ 15.93	
		Round	19 ft.	\$ 14.40	
B. Anchor Base Mounted (Pedestal)	Round Steel	1 Simplex Adapter	12 ft.	\$ 14.13	
			22 ft.	\$ 15.98	
			25 ft.	\$ 17.32	
			30 ft.	\$ 20.00	
			32 ft.	\$ 21.02	
	Round Steel	2 Simplex Adapters	12 ft.	\$ 15.09	
			22 ft.	\$ 16.86	
			25 ft.	\$ 18.20	
			30 ft.	\$ 21.26	
			32 ft.	\$ 22.70	
			3 Bolt	32 ft.	\$ 26.09
	Square Steel	5"	13 ft.	\$ 16.29	
			15 ft.	\$ 16.66	
			23 ft.	\$ 17.29	
			25 ft.	\$ 19.07	
			28 ft.	\$ 21.19	
				32 ft.	\$ 22.00



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III. POLES (cont.)

		CHARGES		
		Height	Company Owned	
C. Direct Bury	Round Steel	19 ft.	\$ 22.23	
		30 ft.	\$ 17.36	
		38 ft.	\$ 21.18	
		Self-Support	40 ft.	\$ 26.09
		Stepped	25 ft.	\$ 60.01
			32 ft.	\$ 63.20
	Square Steel	4"	49 ft.	\$ 78.45
			34 ft.	\$ 19.15
		5"	20 ft.	\$ 18.19
			30 ft.	\$ 18.96
		8"	38 ft.	\$ 20.57
			28 ft.	\$ 34.33
		32 ft.	\$ 35.89	
	Decorative Transit	41 ft. 6 in.	\$ 24.71	
	Decorative Transit	47 ft.	\$ 30.79	
	Steel Distribution Pole (for lighting)	35 ft.	\$ 28.42	
D. Post Top	Decorative Transit Anchor	16 ft.	\$ 42.33	
	Gray Steel/Fiberglass	23 ft.	\$ 14.68	
	Black Steel	23 ft.	\$ 16.18	
E. Wood	Wood Poles	30 ft.	\$ 10.80	
		35 ft.	\$ 10.80	
		40 ft.	\$ 15.38	

NOTES:

1. All distribution lines required to serve dusk to dawn facilities are owned by the Company.
2. Monthly charges for all new Company Owned poles include up to 100 feet of overhead secondary wire, or up to 100 feet of underground secondary line if Customer provides earthwork and conduit (excluding the overhead to underground transition). Any additional wire required (over and above the first 100 feet provided) to install fixtures is subject to the additional monthly wire charges specified in Section V below.



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3. When adding lighting fixtures to an existing Company Owned or Customer Owned pole, any and all additional distribution wire required is subject to the additional monthly wire charges specified in Section V below.

IV. ANCHOR BASE

		CHARGES
		Company Owned
		Height
A. Flush		4 ft.
		6 ft.
B. Pedestal		8 ft.
	For 32' Round Steel Pole only	4 ft. 6"

V. CHARGES FOR OPTIONAL OR ADDITIONAL EQUIPMENT

		CHARGE
		Company Owned
1.	Each 100 feet of overhead secondary wire, or each 100 feet of underground secondary wire, if Customer provides earthwork and conduit.	\$ 4.22

VI. DETERMINATION OF CHARGES FOR NEW EQUIPMENT

Monthly charges for new lighting fixtures, poles and other equipment will be determined by the Company using the installed equipment multiplied by a monthly fixed charge rate specified in Section I or Section II above.

Any maintenance costs not designated within the E-45 Rate Schedule will be outlined in a maintenance agreement executed between the Company and the Customer.

TRIP CHARGE

A \$ 150.00 trip charge per light will be charged when a Customer requests a disconnect and/or reconnect of service in order to accommodate the maintenance activities of the Customer or its designee(s) on their dusk to dawn equipment.



ADJUSTMENTS

The bill will include the following adjustments:

1. The Renewable Energy Adjustment Charge, Adjustment Schedule REAC-1.
2. The Power Supply Adjustment charges, Adjustment Schedule PSA-1.
3. The Transmission Cost Adjustment charge, Adjustment Schedule TCA-1.
4. The Demand Side Management Adjustment Charge, Adjustment Schedule DSMAC-1.
5. The Tax Expense Adjustor Mechanism charge, Adjustment Schedule TEAM.
6. The Court Resolution Surcharge, Adjustment Schedule CRS-1.
7. The System Reliability Benefit Adjustment Mechanism charge, Adjustment Schedule SRB-1.
8. Direct Access Customers returning to Standard Offer service may be subject to a Returning Customer Direct Access Charge, Adjustment Schedule RCDAC-1.
9. Any applicable taxes and governmental fees that are assessed on APS's revenues, prices, sales volume, or generation volume.

SERVICE DETAILS

1. The Customer is not authorized to make connections to the lighting circuits or to make attachments without prior notification to the Company. The Company may recalculate the rate or change the rate eligibility in such instances.
2. Should a Customer request relocation of a Dusk to Dawn lighting installation, the costs of such relocation will be paid by the Customer.
3. The Customer will be responsible for notifying the Company when the dusk to dawn facilities are not operating as intended. The Company will use reasonable efforts to complete normal maintenance (replacement of photocontrols or fixtures) within ten (10) working days from notification by Customer. If the maintenance requires cable replacement or repairs, the Company will use reasonable efforts to complete said repairs within twenty (20) working days.



4. The Customer's bill will not be reduced due to photocontrol or cable repair or replacement outages.
5. The Customer may cancel a lighting service agreement by payment of the bill including the applicable tax adjustment multiplied by the number of remaining months of the initial agreement, or the calculated installation and removal costs for the extension, whichever is lower.
6. Lighting equipment, which is not specified in this rate schedule, will be billed at the rates corresponding to the most similar equipment, as determined by the Company.
7. Lighting Equipment and services with an initial Company cost exceeding \$25,000 will require a financial liability agreement between the Company and the Customer.
8. APS provides electric service under the Company's Service Schedules. These schedules provide details about how the Company serves its Customers, and they have provisions and charges that may affect the Customer's bill. In addition, service may be subject to special terms and conditions as provided for in a Customer contract or service agreement.

NON-STANDARD FACILITIES – CUSTOMER OWNED

When the Customer requests any non-standard Dusk to Dawn lighting facilities (non-standard being defined as any equipment not listed in the Company's Transmission and Distribution Construction Standards book), the Customer will own, operate, and maintain all components to the system excluding the distribution facilities installed by the Company to serve the lighting system. Monthly bills rendered for non-standard facilities will consist of the following rates, plus any adjustments incorporated in this schedule. KWh will be determined by the Company, based on the rated wattage of the equipment and an estimated average hourly usage per month.

A.	Service Charge	\$ 4.05	per installed fixture per month
B.	Energy Charge	\$ 0.07845	per kWh per month

CONTRACT PERIOD

All Dusk to Dawn lighting installations will require a written agreement for service for a minimum of ten (10) years from the date of initial delivery of service. It shall continue in effect thereafter, unless terminated by either party on thirty (30) days' written notice.