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**RATE DS-5 – LIGHTING SERVICE**

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**AVAILABILITY**

Lighting Service under this rate is available to any Customer, city, village or town as well as unincorporated communities and subdivisions that are represented by elected public officials or responsible business or citizens' organizations where service is used to light outdoor areas, public thoroughfares such as roads, streets, walk-ways or alleys. The fixtures shall be located so as to provide the maximum possible amount of lighting to the Customer or public thoroughfare, as applicable.

Lighting Service is only available where: (1) lighting is controlled by a photo-cell; (2) the period of lighting is continuous from dusk to dawn; (3) Lighting Service is located within the territory served by Company under this Schedule; (4) Lighting Service is located in an area where the Company has vehicle access to facilities; and (5) Customer agrees to take Lighting Service for a Primary Term as specified below.

Customer may rent lighting fixtures from the Company whereby Company shall install, own and maintain the fixtures for Customer's use at the applicable Monthly Fixture Charge or Customer may install, own and maintain their own fixtures.

**\*AVAILABLE COMPANY OWNED LIGHTING FIXTURES**

Area and Directional LED lighting fixtures shall be the standard fixtures available for both new and replacement Area and Directional fixture installations. Decorative Metal Halide and Sodium Vapor lighting fixtures, as referenced in the Grandfathering Provisions section below, are the standard fixtures available for replacement fixture installations until the current inventory of such fixtures is depleted. Decorative LED lighting fixtures shall be the standard fixtures available for both new and replacement Decorative fixture installations after the inventory of Metal Halide and Sodium Vapor lighting fixtures is depleted. It is anticipated that the current inventory of Decorative Metal Halide and Sodium Vapor lighting fixtures shall be depleted by February 29, 2020.

Watts	Area/ Directional/ Decorative	Light Source
30 – 50	Area	LED
90 - 140	Area	LED
150 – 200	Area	LED
90 - 140	Directional	LED
150 – 200	Directional	LED
260 - 310	Directional	LED
45 - 65	Decorative	LED

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10 Executive Drive, Collinsville, IL 62234

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**MONTHLY CHARGES**

- \* Company-Owned Lighting Fixtures shall be unmetered. For Customers with Company-Owned Lighting Fixtures or grandfathered unmetered Customer-Owned Lighting Fixtures, the kWh consumption of each fixture shall be determined from the manufacturer's rated wattage multiplied by number of hours of operation each month plus the applicable ballast/driver energy losses, as applicable. For Customers with Company-Owned Lighting Fixtures, the computed kWh consumption shall be used to charge for power and energy (if applicable) and transmission services (if applicable). Such Customer shall be charged separately for item A1, C, and D as indicated below, on a per fixture basis.
  
- \* For grandfathered unmetered Customer-Owned Lighting Fixtures, the kWh consumption shall be used to charge for distribution delivery, power and energy and transmission services. Such Customer, City, etc. electing to utilize Company-Owned Lighting Fixtures shall be charged separately for item B, C, and D as indicated below, on a per fixture basis.

Customer-Owned Lighting Fixtures shall be metered. A Customer, City, etc. electing to utilize Customer-Owned Lighting Fixtures shall be charged separately for item B, C, and D as indicated below on a per fixture basis in addition to a Customer Charge, and Meter Charge as applicable.

The estimated monthly charges for Sections A through D for the various available lighting fixtures as well as a total estimated monthly cost for Company-Owned Lighting Fixtures with Company supplied power and energy shall be available at the Company's web site [www.ameren.com](http://www.ameren.com). The charges shall be on a per fixture basis.

A. Fixture Charges:

- \* 1. Company-Owned Lighting Fixtures:

Fixture Charges for Area and Directional Lighting include the fixture, distribution system cost recovery, and standard facilities necessary to install and maintain the fixture on an existing distribution type wood pole or standard owned and maintained by Company, or a non-Company utility pole deemed acceptable by the Company, where service can be supplied from an existing overhead secondary circuit on the pole. If a Customer requests service where a distribution type wood pole or standard is not available, or where underground service is requested, installation of required facilities may be provided pursuant to the Excess Facilities Charge provisions noted below.

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- \* Monthly Fixture Charges for all fixtures in service will be based on the Equivalent LED fixture associated with the specific fixture in service as shown in the Grandfathering Provisions section below.
  - a. Area Lighting charges are shown in the Delivery Charges Informational Sheet supplemental to the Rate MAP-P tariff.
  - \* b. Directional Lighting charges are shown in the Delivery Charges Informational Sheet supplemental to the Rate MAP-P tariff except for the LED - X1 fixture. The charge shown for Directional LED - 40 fixtures in the Delivery Charges Informational Sheet supplemental to the Rate MAP-P tariff including Rider ATRB Tax Benefits - Effective January 2019 Billing Period ("ATRB – 2019") shall be utilized as the charge for LED – X1 fixtures through the December 2019 Billing Period. Thereafter, the charge shown for Directional LED - 40 fixtures in the Delivery Charges Informational Sheet supplemental to the Rate MAP-P tariff - Effective January 2020 Billing Period, or subsequent Informational Sheet filings that may be in effect, shall be utilized as the charge for LED – X1 fixtures.
  - \* c. Decorative Lighting charges are shown in the Delivery Charges Informational Sheet supplemental to the Rate MAP-P tariff except for the Decorative LED - 10 fixture. The charge shown for the Decorative Sodium Vapor 100 Nominal Watts fixture, or the Metal Halide 150 Nominal Watts fixture, as applicable, in the ATRB - 2019, shall be utilized as the charge for Decorative LED - 10 fixtures through the December 2019 Billing Period, based on the type of fixture (Sodium Vapor or Metal Halide) utilized to provide service prior to replacement with a LED fixture. Thereafter, the charge shown for Decorative LED - 10 fixtures in the Delivery Charges Informational Sheet supplemental to the Rate MAP-P tariff - Effective January 2020 Billing Period, or subsequent Informational Sheet filings that may be in effect, shall be utilized as the charge for Decorative LED - 10 fixtures, based on the type of fixture (Sodium Vapor or Metal Halide) utilized to provide service prior to replacement with a LED fixture.

Fixture Charges for Decorative Lighting include the standard ornamental luminaire, distribution system cost recovery, and fiberglass post. The fixture will be served from an underground circuit, the cost of which will be recovered under the provisions of Excess Facilities Charges noted below.

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2. Customer-Owned Lighting Fixtures:

In instances where Customer furnishes, installs, owns and maintains photo-cell controlled lighting fixtures that are not connected to existing metered service, Lighting Service will be metered at secondary voltage and the Customer Charge and Meter Charge shown in the Delivery Charges Informational Sheet supplemental to the Rate MAP-P tariff shall apply, as applicable.

The Company may, at its discretion, provide maintenance on Customer-owned street lighting facilities on a contractual basis.

\* B. Distribution Delivery Charge:

Applicable to Customer-Owned Lighting Fixtures and grandfathered unmetered Customer-Owned Lighting Fixtures, on a per kWh delivered basis as shown in the Delivery Charges Informational Sheet supplemental to the Rate MAP-P tariff.

C. Power and Energy Charges:

Customer has the option to purchase power and energy from the Company or a RES for Lighting Service. If Customer elects to take power and energy from the Company, electric energy required to operate fixtures shall be furnished under BGS Service Classification BGS-5 of Rider BGS.

D. Transmission Charges:

1. For Customers taking power and energy service from the Company:  
Customer will be responsible for all applicable charges in Rider TS, Transmission Service.
2. For Customers taking power and energy service from an entity other than Company:  
RES will be responsible for all applicable charges for Transmission Services for its power and energy Customers pursuant to Transmission Provider's FERC-approved tariffs related to Transmission Service.

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**EXCESS FACILITIES CHARGE**

- \* The Company standard offering for an Area or Directional light installation includes one standard wood pole, bracket (30", 6', or 15', as applicable) and up to 75' of secondary conductor. Customers that request that Company supply additional or non-standard facilities, including but not limited to poles, standards, transformers, conductor or fixtures, for service under this rate, shall be required to pay Excess Facilities Charges pursuant to Rider EFC - Excess Facilities Charge tariff, in addition to the Fixture Charges set forth above. All such facilities and fixtures shall be continuously owned and maintained by Company. All charges payable to Company shall be non-refundable and due in advance of construction.

**GRANDFATHERING PROVISIONS**

A. Excess Facilities

Customers that requested Company to install, operate and/or maintain any additional or non-standard facilities prior to January 2, 2007, for a monthly charge of 1.5% of the estimated cost of such facilities in Rate Zones I and III, or 1.454% of the estimated cost of such facilities in Rate Zone II, shall continue to pay the agreed to monthly charge. Customer will have the option of replacing the existing 1.5% monthly charge, or 1.454% monthly charge, as applicable, with a one time payment equal to the monthly charge divided by 0.007895 for Rate Zones I and III, or 0.007653 for Rate Zone II.

Rate Zone I and II Customers that requested Company to install, operate and/or maintain any additional or non-standard facilities prior to January 2, 2007, for monthly fixed charges shall continue to pay the agreed to monthly charges including but not limited to the following:

Rate Zone I:

<u>Type of Facility</u>	<u>Charges per Month</u>
25-40 foot wood pole	\$6.26 per pole
Ornamental concrete pole	\$15.20 per pole
Standard 2-conductor wire	\$1.89 per span
Underground circuit, in and under dirt	5.34 ¢ per foot
Underground circuit, all other	9.12 ¢ per foot

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Rate Zone II:

<u>Type of Facility</u>	<u>Charges per Month</u>
35 foot wood pole	\$1.25 per pole
40 foot wood pole	\$1.50 per pole
Secondary Cable	\$0.006 per foot
Standard Guy and Anchor	\$1.03 each

Rate Zone III Customers served from facilities other than a wood pole (not including decorative lighting service) prior to January 2, 2007, shall pay the following monthly charges:

<u>Type of Facility</u>	<u>Charges per Month</u>
concrete pole	\$6.94 per pole
fiberglass pole	\$6.94 per pole
metal pole	\$6.94 per pole

New Customers must pay for additional facilities as stated above in Excess Facilities Charge.

**B. Lighting Fixtures not Available to New Installations**

- \* Customers receiving lighting service utilizing Sodium Vapor, Metal Halide, Mercury Vapor, Incandescent, or High Pressure Sodium fixtures may be allowed to continue receiving such lighting service until the fixture requires maintenance or replacement. When maintenance or replacement is required, such fixtures will be replaced with LED fixtures as shown below.

The Company, at its sole discretion, may replace additional lights that do not require maintenance, to LED, as circumstances may warrant depending on resource availability.

- \* Monthly Fixture Charges for all grandfathered fixtures in service will be based on the Equivalent LED fixture associated with the specific fixture in service as shown below. The other monthly consumption charges, if applicable, shall be based on the computed kWh consumption associated with the currently installed fixture.

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The following designations shall be utilized to identify the specific LED fixture installed by the Company:

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Watts	Area/ Directional/Decorative	Designation
30 – 50	Area	LED -10
90 - 140	Area	LED -25
150 – 200	Area	LED -40
90 - 140	Directional	LED -25
150 – 200	Directional	LED -40
260 - 310	Directional	LED – X1
45 - 65	Decorative	LED - 10

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Rate Zone	High Pressure Sodium Fixtures		Equivalent LED Fixtures
	Watts	Lumens	Designation
II	84		LED -10
II	182		LED -10
II	1,175		LED -X1

Rate Zone	Incandescent Fixtures		Equivalent LED Fixtures
	Watts	Lumens	Designation
II	92		LED -10
III	103		LED -10
II	133		LED -10
II, III	189		LED -10
III	202		LED -10
II, III	295		LED -10
III	327		LED -10
II, III	405		LED -10
III	448		LED -10
III	620		LED -10
III	690		LED -10
III		1,000	LED -10
III		2,500	LED -10
III		4,000	LED -10
III		6,000	LED -10
III		10,000	LED -10

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<u>Rate Zone</u>	<u>Mercury Vapor Fixtures</u>		<u>Sodium Vapor Decorative Fixtures</u>	<u>Equivalent LED Fixtures</u>
	<u>Watts</u>	<u>Lumens</u>	<u>Watts</u>	<u>Designation</u>
I	100			LED -10
II	111			LED -10
I, III	175			LED -10
I	175 Decorative		100 Decorative	LED -10
II	195			LED -10
III	250			LED -10
II	283			LED -10
I		3,300		LED -10
I		6,800		LED -10
I		6,800 Decorative	100 Decorative	LED -10
I, III	400			LED -25
I	400 Directional			LED -25
I		20,000		LED -25
I		20,000 Directional		LED -25
II	432			LED -25
III	700			LED -40
II	742			LED -40
III	1,000			LED -40
I	1,000 Directional			LED -40
II	1,060			LED -40
I		54,000		LED -40
I		54,000 Directional		LED -40

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<u>Rate Zone</u>	<u>Metal Halide Fixtures</u>		<u>Equivalent LED Fixtures</u>
	<u>Watts</u>	<u>Lumens</u>	<u>Designation</u>
I, II, III	250		LED -25
I, II, III	250 Directional		LED -25
I, II, III	400		LED -40
I, II, III	400 Directional		LED -40
I, III	1,000		LED -X1
I		100,000 Directional	LED -X1



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	Metal Halide Decorative Fixtures	Metal Halide Decorative Fixtures	Equivalent LED Fixtures
<u>Rate Zone</u>	<u>Watts</u>	<u>Watts</u>	<u>Designation</u>
I, II, III	175	150	LED - 10

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	Sodium Vapor Fixtures	Equivalent LED Fixtures
<u>Rate Zone</u>	<u>Watts</u>	<u>Designation</u>
I, II, III	100	LED -10
III	150	LED -10
I, II, III	250	LED -25
I, II, III	250 Directional	LED -25
I, II, III	400	LED -40
I, II, III	400 Directional	LED -40
II, III	100 Decorative	LED - 10

**C. Unmetered Service for Customer-Owned Lighting Fixtures**

Unmetered service for Customer-Owned Lighting Fixtures is not available to new Customers after January 2, 2007. Customers with existing lighting fixtures with unmetered service shall be allowed to continue such service until fixtures are replaced.

Notwithstanding the above, the Company, at its sole discretion, may allow the continuation of unmetered service to municipally-owned fixtures when the municipality replaces less efficient fixtures with more efficient fixtures in support of community environmental efforts.

The charges for such unmetered service shall be the applicable charges referenced in the Monthly Charges section above. Such charges include the Customer Charge referenced in the Customer-Owned Lighting Fixtures section under Fixture Charge, the Power and Energy Charges, the Distribution Delivery Charge and the Transmission Service Charge. The Meter Charge referenced in the Customer-Owned Lighting Fixtures section under Fixture Charge, shall not be charged until facilities are replaced and a meter is installed.

\*Asterisk denotes change

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**MINIMUM BILL**

All components of the Monthly Charges section above, as applicable, plus any fees and charges applicable under this Schedule.

**TERMS OF PAYMENT**

Customer's bills for service under this tariff shall be rendered and payments due in accordance with the Payment of Bills provision of the Customer Terms and Conditions tariff.

**TERMS AND CONDITIONS**

- \* For billing, contract, and franchise purposes, any reference to Street Lighting Service or Protective Lighting Service shall be considered Lighting Service as detailed in this tariff.

Service hereunder is subject to the Customer Terms and Conditions, Standards and Qualifications for Electric Service, Tax Additions, Local Government Fees and Adjustments and Supplemental Customer Charge tariffs of this Schedule, as well as any other fees and charges applicable under this Schedule and the following further conditions:

Service under this Rate shall be subject to cancellation by Company in case of excessive maintenance or replacement due to vandalism or other cause.

Except for Customer-Owned Facilities, Company shall furnish and install on Customer's premises an automatically controlled lighting fixture equipped with the type of fixture and wattage rating as selected by Customer and the Company. Such facilities shall be operated and maintained by Company.

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The Customer is responsible for all damages to, or loss of, the Company's property located upon his premises unless occasioned by the Company's negligence or by any cause beyond the control of the Customer.

A Customer that makes seasonal use of Lighting Service shall be responsible for additional costs pursuant to the Seasonal Service Disconnects section of the Customer Terms and Conditions tariff.

**Primary Term**

A Customer that receives Lighting Service using Company-Owned Lighting Fixtures shall be required to receive Lighting Service for a Primary Term. The Primary Term of Lighting Service shall be two years.

If a Customer requests that service be terminated prior to the end of the Primary Term, Customer shall be charged the minimum bill amount for each month remaining in the Primary Term.

Customer may request that service hereunder be terminated upon 30 days prior notice any time after the end of the Primary Term.

**Fixture, Lamp and Globe Replacement**

- \* When maintenance is required on grandfathered lighting fixtures, such fixtures will be replaced with LED fixtures. Replacement of fixtures, globes or lamps, as applicable, shall be completed within ten business days after receipt by Company of notice of such defect. If service is not restored within ten business days after such notification, the Company shall, except in cases described in the succeeding paragraph, make a pro rata abatement of the charges for the full period of interruption.

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In the event of a major interruption of Company's service resulting from storm, weather, or any disaster, Company's obligations for prompt service under this rate shall no longer be binding upon Company and Company shall, in such event, be obligated only for such reasonably prompt service and maintenance of lighting equipment as the circumstances will then permit.

**Conversion or Modification of Lamps**

Where Customer requests a conversion or modification of the size or type of fixture currently installed, and Company would not otherwise be converting such lights, Company will make the requested changes provided, however, that Customer pays in advance to the Company \$250.00 per fixture for both the removal cost and loss of the remaining life of such fixtures and, additionally, agrees to a new Primary Term for such fixtures.

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**RATE DS-5 – LIGHTING SERVICE**

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**For Future Use**

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