



2302 Great Northern Drive
P O Box 2747
Fargo, ND 58108-2747
(701) 241-8632
dave.sederquist@xcelenergy.com

June 22, 2020

--Via Electronic Filing and U.S. Mail--

Steven M. Kahl, Executive Secretary
North Dakota Public Service Commission
State Capitol Building, Dept. 408
600 East Boulevard
Bismarck, ND 58505-0480

RE: COMPLIANCE FILING - STREET LIGHT TARIFF REVISIONS
CASE NO. PU-20-093

Dear Mr. Kahl:

On March 9, 2020, Northern States Power Company, doing business as Xcel Energy, filed its Proposed Revisions to North Dakota Lighting Service Tariffs. On June 10, 2020, the North Dakota Public Service Commission issued an ORDER ON LIGHT EMITTING DIODE STREET LIGHTING TARIFF AND RATES approving Northern States Power Company's proposed lighting tariff changes. Enclosed herewith are the final compliance tariffs reflecting the Commission's Order.

Tariff

Our compliance tariffs, as shown in Attachment A, contains the following:

North Dakota Electric Rate Book – NDPSC No. 2

- Table of Contents, Sheet No. 1-1, revision 2
- Table of Contents, Sheet No. 1-2, revision 7
- Rate Schedules Table of Contents, Sheet No. 5-TOC-1, revision 5
- Protective Lighting Service (Rate Code D11), Sheet No 5-13, revision 8
- Protective Lighting Service (Rate Code D11), Sheet No. 5-14, revision 3
- Street Lighting System Service (Rate Code D30), Sheet No. 5-59, revision 9

- Street Lighting Service – Unmetered (Closed) (Rate Code D31, D32), Sheet No. 5-60, revision 7
- Street Lighting Service – Unmetered (Closed) (Rate Code D31, D32), Sheet No. 5-61, revision 5
- Street Lighting Service (Purchased Equipment - Closed) (Rate Code D32), Sheet No. 5-62, revision 8
- Street Lighting Energy Service – Metered (Rate Code D33), Sheet No. 5-63, revision 7
- Rules for Application of Street Lighting Rates, Sheet Nos. 5-64, 5-65, and 5-66, revision 4
- General Rules and Regulations Table of Contents, Sheet No. 6-TOC-2, revision 3
- General Rules and Regulations, Sheet No. 6-29, Revision 2

The tariffs will be effective July 1, 2020. If the Commission or staff has any questions, please contact me.

Sincerely,



DAVID H. SEDERQUIST
SR. CONSULTANT, REGULATION/FINANCE

cc: Pat Fahn
Enclosures

NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

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NORTH DAKOTA ELECTRIC RATE BOOK - NDPSO NO. 2

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NORTH DAKOTA ELECTRIC RATE BOOK – NDPSC NO. 2

**RATE SCHEDULES
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NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

**PROTECTIVE LIGHTING SERVICE
RATE CODE D11**

Section No. 5
8th Revised Sheet No. 13

AVAILABILITY

Available to any customer for illumination of areas of private property. Types of lighting include Mercury Vapor (MV), High Pressure Sodium (HPS) and Light Emitting Diode (LED). Company will provide all electric energy and own, operate, and maintain the protective lighting system including the fixture, lamp, ballast, photocell, mounting brackets, and all necessary wiring.

RATE

Wattage and Type Monthly Charge per Fixture

Area Lighting

100W HPS (1)	\$6.70
175W MV (1)	\$6.70
250W HPS (1)	\$11.63
400W MV (1)	\$11.63
30-45W LED	\$5.58
110-165W LED	\$9.92

Directional Lighting

250W HPS (1)	\$12.89
400W MV (1)	\$14.80
400W HPS (1)	\$15.82
110-165W LED	\$12.62
170-250W LED	\$14.72

(1) Available to existing installations only.

FUEL COST

Bills subject to the charges provided for in the Fuel Cost Rider.

OTHER RIDERS

Bills are subject to the charges provided for in the Transmission Cost Recovery Rider and the Renewable Energy Rider.

SURCHARGE

In certain communities, bills are subject to a surcharge provided for in a Surcharge Rider.

LATE PAYMENT CHARGE

A 1% late payment charge will be added to the unpaid balance on date due.

(Continued on Sheet No. 5-14)

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PROTECTIVE LIGHTING SERVICE (Continued)
RATE CODE D11

Section No. 5
3rd Revised Sheet No. 14

SPECIAL TERMS AND CONDITIONS

1. Service is available subject to the provisions for Protective Lighting Service in the General Rules and Regulations.
2. The operating schedule is controlled by a photocell furnished by the Company to energize lighting from approximately one-half hour after sunset until one-half hour before sunrise.
3. If protective lighting service is interrupted and illumination is not resumed within 2 business days from the time the Company receives notice from the customer, 1/30 of the applicable monthly charges for each night of service outage will be credited to the customer after notice is received.
4. The Company may convert high pressure sodium or mercury vapor area lighting to LED area lighting when providing required maintenance or repair service.
5. The Company reserves the right to discontinue service if lighting equipment is abused.

TERM OF AGREEMENT

The initial protective lighting agreement will be for a term of three years; if it is not then terminated with at least 30 days' written notice by either party, the agreement will continue until so terminated.

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NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

**STREET LIGHTING SYSTEM SERVICE
RATE CODE D30**

Section No. 5
9th Revised Sheet No. 59

AVAILABILITY

Available for the year-round illumination of public roadways with standard street lighting facilities and equipment furnished by the Company. Underground service is limited to areas served by a Company-owned underground electric distribution system. The Company will provide all electric energy and install, own, operate, and maintain the street lighting system. Available types of lighting include High Pressure Sodium (HPS) and Light Emitting Diode (LED).

RATE

<u>Wattage and Type</u>	<u>Monthly Charge Per Fixture</u>		
	<u>Overhead</u>	<u>Underground</u>	<u>Decorative</u>
100W HPS	\$10.80	\$20.83	\$33.26
150W HPS	\$11.89	\$21.98	\$34.40
250W HPS	\$15.02		\$36.94
400W HPS	\$18.01		
30-40W LED	\$10.99	\$21.02	
50-75W LED	\$11.98	\$22.07	
110-165W LED	\$15.66		
200-250W LED	\$19.22		

FUEL COST

Bills subject to the charges provided for in the Fuel Cost Rider.

OTHER RIDERS

Bills are subject to the charges provided for in the Transmission Cost Recovery Rider and the Renewable Energy Rider.

LATE PAYMENT CHARGE

A 1% late payment charge will be added to the unpaid balance on date due.

OTHER PROVISIONS

This schedule is also subject to provisions contained in Rules for Application of Street Lighting Rates.

NORTH DAKOTA ELECTRIC RATE BOOK - NDPSO NO. 2

**STREET LIGHTING SERVICE - UNMETERED
 (CLOSED)
 RATE CODES D31, D32**

Section No. 5
 7th Revised Sheet No. 60

AVAILABILITY

Available for year-round illumination of public roadways by Company approved street lighting systems owned by customer. The Company will provide all electric energy necessary to operate the lights. Street lighting systems must include standards with a maximum height of 50 feet, fixtures, photocells, and conductors necessary for connection to the Company's distribution facilities. Service is limited to existing lighting systems being served under this schedule.

The Company will provide maintenance service for High Pressure Sodium (HPS), Mercury Vapor (MV), and Incandescent (INCD) types of lighting. Maintenance service is not provided for Light Emitting Diode (LED) lighting.

RATE

<u>Wattage and Type (D31)</u>	<u>Monthly Charge Per Fixture</u>
< 30W LED	\$1.01
30-45W LED	\$1.21
50-75W LED	\$1.57
110-165W LED	\$2.85
200-250W LED	\$4.12
70W HPS	\$2.93
100W HPS	\$3.44
150W HPS	\$4.21
200W HPS	\$5.14
250W HPS	\$6.13
310W HPS	\$7.41
400W HPS	\$8.60
1,000W HPS	\$17.76
175W MV	\$4.66
250W MV	\$5.82
400W MV	\$8.29
 <u>Lumens and Type (1 Lamp per Fixture) (D32)</u>	
1,000 L INCD	\$2.74
4,000 L INCD	\$5.12

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Minneapolis, Minnesota 55401

NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

**STREET LIGHTING SERVICE - UNMETERED
(CLOSED) (Continued)
RATE CODES D31, D32**

Section No. 5
5th Revised Sheet No. 61

FUEL COST

Bills subject to the charges provided for in the Fuel Cost Rider.

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OTHER RIDERS

Bills are subject to the charges provided for in the Transmission Cost Recovery Rider and the Renewable Energy Rider.

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LATE PAYMENT CHARGE

A 1% late payment charge will be added to the unpaid balance on date due.

OTHER PROVISIONS

This schedule is also subject to provisions contained in Rules for Application of Street Lighting Rates.

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Minneapolis, Minnesota 55401

NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

**STREET LIGHTING SERVICE
(PURCHASED EQUIPMENT) (CLOSED)
RATE CODE D32**

Section No. 5
8th Revised Sheet No. 62

CANCELED

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Minneapolis, Minnesota 55401

NORTH DAKOTA ELECTRIC RATE BOOK - NDPSO NO. 2

**STREET LIGHTING ENERGY SERVICE – METERED
RATE CODE D33**

Section No. 5
7th Revised Sheet No. 63

AVAILABILITY

Available for year-round illumination of public roadways by street lighting systems owned and maintained by customer. A customer-owned lighting system must include all necessary underground cables extending between standards and to the Company's meter at a central distribution point of connection designated by Company. The Company will provide all electric energy necessary according to the operating schedule in the Rules for Application of Street Lighting Rates.

RATE

Customer Charge per Meter per Month	\$5.25
Energy Charge per kWh	4.078¢

FUEL COST

Bills subject to the charges provided for in the Fuel Cost Rider.

OTHER RIDERS

Bills are subject to the charges provided for in the Transmission Cost Recovery Rider and the Renewable Energy Rider.

LATE PAYMENT CHARGE

A 1% late payment charge will be added to the unpaid balance on date due.

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NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

**RULES FOR APPLICATION OF
STREET LIGHTING RATES**

Section No. 5
4th Revised Sheet No. 64

1. **Energy Service Metering Requirement**

Street Lighting Energy Service – Metered is the required rate schedule for new customer-owned lighting systems. The Street Lighting Service – Unmetered rate schedule will continue to be available for existing and Company-approved extensions of customer-owned lighting systems. The Company will evaluate a conversion to metering for sections of unmetered lighting systems included in areas of distribution system reconstruction or relocation.

2. **Operating Schedule**

All street lighting rate schedules require a photocell controlled operating schedule that energizes lighting from approximately one-half hour after sunset until one-half hour before sunrise.

3. **Billing Adjustment for Outages**

If electric energy under any unmetered service is interrupted and illumination is not resumed within 2 business days from the time the Company receives notice from the customer, 1/30th of the applicable monthly metered energy and fuel cost charges for the affected street lights for each night of service outage will be credited to the customer after notice is received. The Company will apply outage credits to all affected customers one time annually in the month of February of each year, together with an itemized list of the street lights associated with the credits.

4. **Maintenance Service – Street Lighting Service – Unmetered**

Company-provided maintenance service for non-LED lighting systems includes materials and labor for both: 1) the replacement of lamps, ballasts, and photocells, and 2) the cleaning and replacement of glassware. Customer is responsible for required lighting fixture replacements.

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**RULES FOR APPLICATION OF
STREET LIGHTING RATES (Continued)**

Section No. 5
4th Revised Sheet No. 65

5. Special Services – Street Lighting System Service

a. Temporary Disconnection of Service (in which facilities remain in place)

When requested by the customer, the Company will temporarily disconnect service to individual street lights provided the customer pays a monthly facilities charge equal to the regular monthly rate less the product of the average monthly kWh for the light and the energy charge from the Street Lighting Energy Service – Metered rate schedule. The customer must pay a charge of \$25 to disconnect or reconnect each lighting unit.

b. Removal of Street Lighting Facilities

When requested by the customer, the Company will remove all, or a portion of, its street lighting system and cease billing. If the number of lights requested to be removed in any twelve-month period exceeds five percent of the lighting system, the customer will pay estimated costs for the removal and undepreciated value of the facilities, less any salvage value.

6. Special Services – Street Lighting Service – Unmetered

a. Daily Operating Schedule Option

Reduced hours of operation from the standard Daily Operating Schedule is available under the applicable commercial and industrial rate, subject to the following provisions:

- 1) The customer must install a meter socket at the service point.
- 2) The customer will provide all lighting maintenance and identify lighting units with Company approved markings.

b. Disconnection of Service

During the time period between disconnection and reconnection of street lights, the Company will cease billing provided the disconnection is made on the line side of the lighting unit ballast. If otherwise disconnected, the customer will pay a charge to compensate for the ballast core loss. Upon a request by the customer, the Company will disconnect or reconnect street lights at a charge of \$25 per lighting unit. The customer must identify all disconnected street lights with Company-approved markings.

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NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

**RULES FOR APPLICATION OF
STREET LIGHTING RATES (Continued)**

Section No. 5
4th Revised Sheet No. 66

CANCELED

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GENERAL RULES AND REGULATIONS
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5.3 SPECIAL FACILITIES (Continued)

The customer will execute an agreement or service form pertaining to the installation, operation and maintenance of the facilities. Payments required will be made on a nonrefundable basis and may be required in advance of construction unless other arrangements are agreed to in writing by the Company. The facilities installed by the Company shall be the property of the Company. Any payment by a customer will not entitle the customer to any ownership interest or rights therein.

Payment for special facilities may be required by either of the following methods, or a combination of these methods, as prescribed by the Company:

- A. A single charge for the costs incurred or to be incurred by the Company due to such a special installation, or
- B. A monthly charge of one-twelfth of the Company's annual fixed cost, plus cost of maintenance to provide such a special installation. The monthly charge will be discontinued if the special requested facilities are removed or if the customer eventually qualifies for the originally requested special facilities.

5.4 PROTECTIVE LIGHTING SERVICE

When requested by a customer, the Company will provide area and directional protective lighting service to that customer, except a municipality or other governmental body if the service would be used for street lighting purposes. The Company will own, operate and maintain the protective lighting including the fixture, lamp, ballast, photocell, mounting brackets, and all necessary wiring. The Company will furnish all electric energy required for the lighting service at the monthly rate per fixture provided in the Company's rate schedule for Protective Lighting Service.

The Company will install a protective lighting fixture on an existing utility-owned pole upon which the Company's 120 volt or 277 volt lines are attached without an additional charge. Additional poles, overhead lines and underground service are available upon payment of a one-time charge. Optional monthly payments are available for requests for poles and overhead lines. A removal charge will be made if the customer discontinues service in less than three years.

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