



MIDAMERICAN ENERGY COMPANY
P.O. Box 4350
Davenport, Iowa 52808-4350

SOUTH DAKOTA ELECTRIC TARIFF SCHEDULE NO. 2
SD P.U.C. Sec. No. 5
Original Sheet No. 44

SECTION 5 – RULES AND REGULATIONS (continued)
Applicable to All Rates and Riders

3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS

3.01 STANDARD SERVICE

General

A normal installation will be in accordance with the "Expansion of Electric Distribution System" subsection of this Section 5 and will be:

Type of Customer	Normal Installation
Residential	One (1) single-phase service per single family.
Commercial/Industrial	One (1) service per structure at one (1) standard voltage.
Multiple-unit Dwelling and Pre-manufactured Home Parks	One (1) service per clustered meter setting at one (1) standard voltage.

Any additional service provided to isolated and distinct Residential Customer facilities will be installed as Excess Facilities at Customer expense and will be separately metered and billed at the applicable tariff rate for the additional facility.

Type of Service

The type of service available depends on

- Location.
- Character of the Customer's load.
- Size of the Customer's load.

It is the Customer's responsibility to contact the Company prior to design of the Customer's electrical system to determine the type of service available at any specific location.

The Customer should be aware that not all voltages are available at all locations.



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3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.01 STANDARD SERVICE (continued)

Standard Types of Service

The standard types of service offered within the Company's service territory are listed below. All are 60 Hertz alternating current.

Voltage	Wire	Phase
120-volt	Two-wire	Single-phase
120/240 volt	Three-wire	Single-phase
120/208 volt	Three-wire	Single-phase
120/208 volt	Four-wire	Three-phase
120/240 volt*	Four-wire	Three-phase
277/480 volt	Four-wire	Three-phase

* Available only in overhead areas.

Service at other voltages may be available for approved loads in certain areas.

Detailed Description

For a detailed description of various typical service installations, refer to the Electric Service Manual, available on MidAmerican's website at www.midamericanenergy.com.



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SECTION 5 – RULES AND REGULATIONS (continued)
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3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.02 NON-STANDARD SERVICE

The Company will install facilities adequate to meet the Customer's anticipated load as a standard installation.

If the Customer desires facilities other than standard installation, the Customer must contact the Company to determine availability and possible charges.

3.03 FACILITIES PROVIDED BY THE COMPANY

The Company will furnish and install all equipment up to the Point of Attachment, including meters and metering equipment. The Customer may be charged for non-standard metering facilities. Depending on the nature of the Customer's load (e.g., high reactive load), the Company may require the Customer to furnish, install and maintain the appropriate correction equipment on the Customer's side of the Point of Attachment or reimburse the Company for such correction equipment.

All meters, electrical facilities, and other equipment furnished and installed by the Company on the Customer's Premises shall remain the property of the Company. This includes any poles, transformers, switchgear, handholes, pedestals, or other equipment required to serve Customers, regardless of any advance or contribution in aid of construction required.

Such property of the Company will be maintained, repaired and replaced by the Company; however, costs incurred by the Company may be assessed to the Customer in accordance with the "Expansion of Electric Distribution System" and "Existing System Modification" subsections of this Section 5.



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SECTION 5 – RULES AND REGULATIONS (continued)
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3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.04 CUSTOMER RESPONSIBILITIES

The Customer shall inform the Company as to the size and characteristics of the load that is to be initially and thereafter served, the location of the Premises, the date the Customer anticipates the need for said service and any special circumstances or conditions affecting the supply of electric service by the Company.

Protection of Facilities

The Customer must exercise reasonable care to protect Company property from loss or damage. The Customer shall be responsible for any damage, alteration or interference with Company metering or any other electric facilities on the Customer's Premises, by the Customer or any other party on such Premises, whether authorized or unauthorized by the Customer. No one other than an agent of the Company shall be permitted to operate, remove or make any alterations or changes to such property. The Customer is responsible for providing employees or duly authorized agents of the Company safe and convenient access to Company facilities on the Customer's Premises at all reasonable hours.

The Customer shall exercise due care to avoid unsafe or unsanitary conditions near the Company's meter(s) or other service facilities located on the Customer's Premises.

Pole Attachments

Nothing shall be attached to Company poles without a contractual agreement with the Company.



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SECTION 5 – RULES AND REGULATIONS (continued)
Applicable to All Rates and Riders

3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.04 CUSTOMER RESPONSIBILITIES (continued)

Performing Work

Any work on Company equipment or facilities shall only be performed by qualified Company employees or other Company-authorized personnel. Such work shall include but not be limited to connections of Customer-owned wires or cable to Company-owned transformers and switches.

Rejection or Termination of Service

The Company shall have the right to reject any application for service or to terminate service to any Customer whose Premises, operation, or electric utilization, in the judgment of the Company:

- Are dangerous to persons or are otherwise unsafe in the vicinity of the Company's meter or other facilities.
- Adversely affect service to other Customers.
- Do not comply with safety and operating standards.
- Make relocation of electric facilities or metering equipment necessary. The Company will relocate such facilities at the Customer's expense to an acceptable location on the Customer's Premises.

Notice of Changes Affecting Company Facilities

The Customer shall promptly notify and receive approval from the Company of any significant changes in operation or equipment at the Customer's Premises which might endanger or affect the proper functioning or require modification of the Company's metering or other electric facilities used in providing service to the Customer or cause a condition where such facilities would not comply with applicable laws, ordinances or codes.



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SECTION 5 – RULES AND REGULATIONS (continued)
Applicable to All Rates and Riders

3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.04 CUSTOMER RESPONSIBILITIES (continued)

Payment for Facilities

The Customer shall pay to the Company the cost of:

- Any equipment the Company deems necessary to protect Company facilities located on the Customer's Premises
- Any change or relocation of the Company's electric facilities on or adjacent to the Customer's Premises in order for the Company to comply with proper operational requirements, requirements of applicable laws, ordinances or codes, or Company standards and policies, when the need for such changes results from significant changes at the Customer's Premises. Requirements related to relocation of equipment resulting from Customer expansions can be found in the "Expansion of Electric Distribution System" or "Existing System Modifications" subsections of this Section 5.
- Moving or replacing electric facilities to accommodate a change in grade levels, buildings, structures, foundations, walls, or other changes that would affect the clearances and/or cover of electric distribution system extensions or services. The Customer shall notify the Company prior to any such change.
- Any damage to the Company's facilities caused by or as a result of the Customer's operations or the manner in which the Customer uses the Company's facilities.
- Any repairs, replacement, rerouting, relocation or re-engineering of any Company facilities necessitated by the Customer's request, or due to the Customer's negligence or the Customer's failure to properly comply with any obligations.

Failure of the Customer to pay for facilities installed by the Company shall be grounds for disconnection of electric service.



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SECTION 5 – RULES AND REGULATIONS (continued)

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3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.04 CUSTOMER RESPONSIBILITIES (continued)

One-call Notification

The Customer is responsible for locating and marking all Customer-owned facilities. The Company will not be responsible for damage to any facilities the Customer fails to accurately locate and mark.

The Customer is required by Chapter 49-7A of the South Dakota Codified Law to notify the one-call notification center prior to beginning any excavation. Locate requests are accepted 24/7. The free one-call service can be obtained by the Customer as follows:

Step	Action
1	At least forty-eight (48) hours (excluding Saturdays, Sundays and legal holidays) before digging begins, notify the one-call service at: <p style="text-align: center;">811 (in-state) or 1-800-781-7474 (out-of-state).</p>
2	Indicate where and when digging will occur.
3	Provide the name and phone number of the individual to be contacted by the Company.

Clearances

The Customer shall:

- Maintain, and shall not compromise, adequate clearances in proximity to Company facilities.
- Notify the Company of any alteration to Customer facilities that may result in changes in clearance or grade.



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3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.04 CUSTOMER RESPONSIBILITIES (continued)

Space to be Provided

The Customer shall provide unobstructed right-of-way and appropriate space for any:

- Company poles.
- Padmount transformers.
- Switchgear.
- Handholes.
- Pedestals.
- Meters.
- Other equipment required to serve Customers.

Company Access

The Customer shall provide and maintain safe and convenient access to Company facilities at all reasonable hours. Such access shall include providing the Company with:

- Unobstructed right-of-way for Company personnel and equipment or facilities over, across, under and upon property owned or controlled by the Customer as necessary to supplying service to Customers.
- The right to trim and remove trees and other vegetation as deemed necessary by the Company to provide reliable service.

SECTION 5 – RULES AND REGULATIONS (continued)Applicable to All Rates and Riders

3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)**3.04 CUSTOMER RESPONSIBILITIES (continued)**Customer-owned Equipment

The Customer is solely responsible for installation, maintenance and replacement of facilities for all Customer-owned equipment. Customer equipment shall not negatively impact other Customers in the area.

If the Customer has motors, computers, electronic or electrical equipment that may be damaged by irregularities or interruption of service, the Customer is responsible for the purchase and installation of suitable protective equipment. Protection should be in accordance with NEC or other guidelines for all types of motors and other equipment.

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The following are conditions under which motors and other equipment may require protection:

- Overload.
- Loss of voltage.
- High or low voltage.
- Loss of phase(s) (e.g., single phasing).
- Re-establishment of service after any of the foregoing phase reversal.
- Motors that cannot be subjected to full voltage on starting.
- Harmonics or wave form irregularities.

The Customer shall install all Customer-owned electrical equipment and protection devices:

- In accordance with the National Electrical Code, National Electrical Safety Code, applicable laws, rules, and regulations.
- Acceptable to and approved by the governmental inspection authority having jurisdiction in the territory in which the Customer's Premises is located.
- In accordance with the Company's standards.



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SECTION 5 – RULES AND REGULATIONS (continued)
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3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.05 METERING FACILITIES

One (1) metering point will be permitted for each building using electricity. Exceptions will be made with Company approval or where required by local ordinance.

All sales of electric service will be metered except where specifically exempted within a rate class or where, at the sole discretion of the Company, it is impractical or unsafe and the amount of service used may be reasonably computed without metering.

Master Metering

Master metering means a single meter used to determine the amount of electricity provided to a multiple-occupancy building or multiple-building complex. Master metering of multiple-occupancy buildings is prohibited, with the following exceptions:

- Residential multiple-occupancy buildings of two (2) units, one (1) of which is occupied by the owner of the building.
- Hospitals, nursing homes, dormitories, and other residential facilities of a strictly transient nature.
- Existing multiple-occupancy buildings where construction began before June 13, 1980 which currently receive master-metered electric service.
- Existing mobile home courts and trailer parks where construction began before June 13, 1980.
- Multiple-occupancy buildings with central heating or cooling systems. However, the Applicant shall notify the Commission so it may determine whether the Applicant's system falls within this exception or whether the Applicant is required to file an application for a variance with the Commission in accordance with § 20:10:26:05 of the South Dakota Administrative Rules.



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3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.05 METERING FACILITIES (continued)

Interval Metering

Interval meters are meters which provide measurement of electric consumption such that usage information is available for discrete increments (e.g., hourly, daily) throughout the metering period.

A Customer may request interval metering equipment from the Company, but such installation by the Company shall be at the Customer's expense. The Company will own, furnish, install, calibrate, test, maintain, and read meters used for billing and settlement purposes. The Customer is required to provide a communication line (telephone, cellular phone, or Internet TCP/IP) or other interfaces agreed to by the Company for automated transmission of interval data. Access shall be provided by the Customer to the Company for maintaining and operating such equipment. Charges associated with the incremental cost of requested interval metering, including any costs associated with meter reading, shall be consistent with the terms of the Company's Excess Facilities Rider.



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SECTION 5 – RULES AND REGULATIONS (continued)

Applicable to All Rates and Riders

3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.05 METERING FACILITIES (continued)

Meter Replacement

When the Customer has a significant decrease in load or has their service rate reassigned due to a decrease in load, and the Customer's existing meter is inadequate or incompatible with the new electric service rate, the Customer may be required to reimburse the Company for the cost of replacing the meter.

When the Customer has a significant increase in load and the Customer's existing meter is inadequate or incompatible with the requirements of measuring the increased load, the Company will replace the meter consistent with the terms in the "Existing System Modifications" subsection of this Section 5.

Company's Right to Remove Meter

The Company reserves the right to remove the electric meter and any and all of its other facilities installed on the Customer's Premises at any time when deemed necessary by the Company to protect such property from fraud, theft, damage, injury or destruction.

Additional Metering Information

Additional guidance on metering facilities can be found in the Electric Service Manual, available on MidAmerican's website at: www.midamericanenergy.com.



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3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.06 INSPECTIONS

Company Inspection

For protection of Company facilities and to safeguard service to others, the Company reserves the right to inspect the following at any time:

- Service entrance.
- Meter location.
- Customer's electric facilities.

Refusal of Service

The Company may refuse to connect service or may disconnect service if the Customer's facilities, in the Company's opinion, do not comply with safety and operating standards, including:

- The National Electrical Code ® (NEC®).¹
- The National Electrical Safety Code (NESC).
- Applicable local codes.

If inspection by a municipality or other governmental agency is required for service at a new location, the Company will not connect service until such inspection is completed. The Company is not responsible for payment of these inspection fees.

Company Liability

Any inspection by the Company shall not be construed to impose any liability upon the Company to the Customer or any other person by reason thereof. The Company shall not be liable or responsible for any loss, injury or damage which may result from the use of or defects in the Customer's wiring or equipment.

¹ National Electrical Code ® and NEC® are registered trademarks of the National Fire Protection Association, Inc., Quincy MA 02269.



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SECTION 5 – RULES AND REGULATIONS (continued)
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3.00 TECHNICAL AND OPERATIONAL REQUIREMENTS (continued)

3.07 PARALLEL GENERATION OPERATION

For the safety of Customer and Company personnel and equipment, the operation of Customer-owned generating equipment in parallel with the Company's system is prohibited without express written agreement between the Customer and the Company. See the "Electric Interconnection of Distributed Generation Facilities" subsection of this section 5 for more information.

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