SECTION 5

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. **Section No.** 5
4th Revised **Sheet No.** 1
Cancelling 2nd Revised **Sheet No.** 1

RULES GOVERNING DISCONTINUANCE OF SERVICE FOR NONPAYMENT OF BILLS Rate 101

All bills for service are due when rendered and will be considered delinquent if not paid by the due date shown on the bill. If any customer shall become delinquent in the payment of service bills, such service may be discontinued by the Company under the applicable rules. (T)

The Company may collect a fee of $12.00 before restoring electric service which has been disconnected for nonpayment of service bills or where a Service Extender has been installed in lieu of full disconnection. (I)

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. 3rd Revised Section No. 5
Cancelling 1st Revised Sheet No. 2
Sheet No. 2

RATE FOR RESIDENTIAL ELECTRIC SERVICE FOR PERMANENT EMPLOYEES OF MONTANA-DAKOTA UTILITIES CO., A DIVISION OF MDU RESOURCES GROUP, INC. AND WHOLLY-OWNED SUBSIDIARIES Rate 102 (T)

Available for: Residential use only in a single family unit serviced by Montana-Dakota Utilities Co. to a full time permanent employee who has been continuously employed by the Company at least six months and is the principal support of the household in which he resides, or is the spouse of the principal support.

Rate: The employee's bill shall be computed at the applicable rate, and the amount reduced by 33 1/3%.

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

MONTANA-DAKOTA UTILITIES CO.
400 NORTH FOURTH STREET
BISMARCK, NORTH DAKOTA 58501

SD P.U.C. Section No. 5
1st Revised Sheet No. 3
Cancelling Original Sheet No. 3

BILLING REGULATIONS FOR RURAL CUSTOMERS Rate 103S (Cancelled) (D)

C-A-N-C-E-L-L-E-D

(CUSTOMERS TRANSFERRED TO RATE 112 SHEET NO. 9 AND RESERVED FOR FUTURE USE) (D)

Date Filed: June 29, 1984

Effective Date: Services rendered on or aft November 15, 1984
Pursuant to Stipulation Docket #3488

Issued By: C. Wayne Fox, Assistant Vice President

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

MONTANA-DAKOTA UTILITIES CO.
400 NORTH FOURTH STREET
BISMARCK, NORTH DAKOTA 58501

SD P.U.C. Section No. 5
Sheet No. 4
Cancelling Sheet No.

(RESERVED FOR FUTURE USE)

Date Filed: June 29, 1984

Effective Date: Services rendered on or after November 15, 1984
Pursuant to Stipulation Docket #3488

Issued By: C. Wayne Fox, Assistant Vice President

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. Section No. 5
4th Revised Sheet No. 5
Cancelling 2nd Revised Sheet No. 5

(T)

CONSUMER DEPOSITS Rate 106

The Company will determine whether or not a deposit shall be required of an applicant for electric service in accordance with commission rules.

a. The amount of such deposit shall not exceed one-sixth of the estimated annual bill. If a customer has no deposit or one which is inadequate in comparison with his recent bills for service the Company may collect an additional amount in order to bring the total deposit up to the foregoing standard. Should a customer be unable to pay the full amount of the deposit, the company shall accept payment of the deposit in reasonable installments not to exceed four months.

b. The Company may accept in lieu of a cash deposit a contract signed by a guarantor, satisfactory to the Company, whereby the payment of a specified sum not to exceed the required cash deposit is guaranteed. The term of such contract shall automatically terminate after the customer has established credit that would result in return of a deposit or at the guarantor's request upon sixty days written notice to the Company. However, no agreement shall be terminated without the customer having made satisfactory settlement for any balance which the customer owes the Company. Upon termination of a guarantee contract a new contract or a cash deposit may be required by the Company.

c. The customer may in lieu of a deposit be placed on an early payment list whereby customer shall pay the service bill within a minimum of five working days. However for early payment, early disconnection shall be proper when a customer fails to pay the service bill within a minimum of five working days.

A deposit shall earn interest at the rate of 7% per year for such period as the customer receives service. Interest shall be credited to the customer's account annually during the month of December.

Deposits shall be refunded to customers at termination provided all billings for service have been paid. Deposits will be refunded to all active customers, after the deposit has been held for twelve months, provided satisfactory credit has been established.

(T)

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. 3rd Revised Section No. 5
Cancelling 1st Revised Sheet No. 6
Sheet No. 6

NOTICE TO DISCONTINUE ELECTRIC SERVICE Rate 107

Customers desiring to have their electric service discontinued shall notify the Company during regular business hours, one business day before service is to be disconnected. Such notice shall be by letter, personal call or telephone to the Company's local business office, in communities in which an office is maintained. In other communities such notice shall be given to the Company's representative who services the community or to the nearest business office. Saturdays, Sundays and legal holidays are not considered business days.

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. **Section No.** 5
3rd Revised **Sheet No.** 7
Cancelling 1st Revised **Sheet No.** 7

RECONNECTION FEE FOR SEASONAL OR TEMPORARY CUSTOMERS Rate 108

A fee of $18.00 will be collected for reconnecting electric service to any customer who has discontinued electric service at the same location during the preceding twelve month period. (I)

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. 1st Revised Section No. 5
Sheet No. 7.1
Cancelling _____ Sheet No. _____

LATE PAYMENT CHARGE Rate 109

(L)

Bills will be considered past due if not paid by the due date shown on the bill. An amount equal to 1% per month will be applied to any unpaid balance existing at the immediate subsequent billing date.

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. Section No. 5
5th Revised Sheet No. 8
Cancelling 3rd Revised Sheet No. 8

RULES FOR UNDERGROUND ELECTRIC RESIDENTIAL DISTRIBUTION Rate 111

The Company will make underground residential distribution facilities available to serve residential customers according to the following rules and regulations and subject to the rates filed with the South Dakota Public Utilities Commission:

1. Where the developer requests it, underground distribution and services will be provided in new subdivisions having 25 or more homes on contiguous lots available to the extension. The developer/owner(s) will furnish such easement rights as the Company may require for the installation, operation, and maintenance of the underground distribution, and will furnish a copy of a recorded plat or map showing the location of the area for which underground service is being requested. The service cable will be owned by the Company terminating at the meter socket located on the house, except the customer will furnish and install the conduit from the line side of the meter to a point a minimum of 12" below the ground. At the Company's option, it may extend its underground residential distribution in new areas to fewer than 25 customers.

2. When the property owner(s) requests it, underground residential distribution and services will be provided to replace existing overhead distribution to a group of owner(s) cooperating with one another, providing a minimum of 25 homes on contiguous lots are available to the conversion or extension thereof. The owner group shall, prior to the installation of the underground distribution system, secure such easement rights as the Company may require for the installation, operation, and maintenance of the underground distribution. The owner(s) will provide all necessary changes in the service entrances, including relocation, to convert to underground service at no cost to the Company. This will include the installation of the conduit from the line side of the meter socket to a point a minimum of 12" below the ground. The owner(s) will reimburse the Company for the cost of removal of the existing overhead distribution multiplied by the fractional life remaining, plus the total installed cost (including material), based on present day costs, of the facilities to be removed multiplied by the fractional life remaining, less the salvage value of all materials removed based on present day new values multiplied by the fractional life remaining.

(Continued)

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

(Continued)

RULES FOR UNDERGROUND ELECTRIC RESIDENTIAL DISTRIBUTION Rate 111

3. At the property owner's request, underground services from an existing overhead distribution system will be made available to residential customers. The customer will furnish and install the conduit from the line side of the meter socket to a point a minimum of 12" below the ground. When the owner(s) desires to convert from overhead to underground service, he must provide all necessary changes in his service entrance, including relocation. If an owner requests underground service from an existing overhead line and desires to own the underground service, he may do so and not be charged the Company's underground service charge.

4. These rules will apply to multiple occupancy dwellings of less than three units. If in an area served by overhead distribution the Company finds it expedient to serve an apartment building of three units or more by underground primary service, the occupants of the apartment building will not be charged the underground service charge. Occupants of two-unit apartment buildings will be charged for the underground service.

5. Residential underground distribution will be provided in new trailer courts or in existing trailer courts where the Company does not now own the distribution facilities if 25 or more trailer homes will be served therefrom. The Company's facilities will terminate at the line side of the meter pedestal or socket, which will be installed and owned by the customer. At the Company's option it may provide underground residential distribution to fewer than 25 customers in trailer courts.

6. In general, the underground residential distribution will be served from overhead distribution feeder lines.

7. Where abnormal conditions causing extraordinary costs on any part of the extension exist, a charge may be made equal to the additional cost incurred by reason of the abnormal conditions.

(Continued)

(Continued)

RULES FOR UNDERGROUND ELECTRIC RESIDENTIAL DISTRIBUTION Rate 111

8. The Company has on file with the South Dakota Public Utilities Commission rates for service provided by underground distribution, which include an additional monthly charge for underground electric residential service for 96 monthly billing periods. If the customer desires, he may make an advance payment of $144, instead of being billed for 96 months under the special terms for underground service.

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. Section No. 5
4th Revised Sheet No. 9
Cancelling 2nd Revised Sheet No. 9

ELECTRIC EXTENSION POLICY Rate 112

The policy of Montana-Dakota Utilities Co. for electric extensions to provide service to customers located within its service territory is as follows:

1. A permanent extension may be constructed without a contribution if the estimated project construction cost is equal to or less than two times the estimated annual revenue (2 to 1 ratio).

2. If the estimated project construction cost is greater than two times the estimated annual revenue, the extension will be made only with a contribution, which may be refundable.

   A. Contribution -

      1) When a contribution is required of any customer, with the exception of those customers defined in 2) below, the formula for determining the amount of the initial contribution shall be the estimated construction cost less two times the estimated annual revenues.

      2) The initial contribution for developers of subdivisions shall be the estimated construction cost.

      3) Payment of the initial contribution amount shall be made prior to construction.

      4) Upon completion of construction, the contribution amount shall be adjusted to reflect actual construction costs and an additional charge or refund levied accordingly.

      5) Company may waive all contributions if it determines that the initial contribution will be soon refunded because of additional customer connections.

(Continued)

(Continued)

ELECTRIC EXTENSION POLICY Rate 112

B. Refund -

1) If within a five-year period from the date initial service is established, one or more additional customers are added to the above referred to extension, Company shall recompute the contribution required by combining the estimated proposed construction cost for the new customer(s) with the construction cost to those customers already taking service. If, by so combining the construction costs, the contribution of those customers already taking service would be less, Company shall make a proportionate refund, without interest, to those customers taking service prior to commencement of service to said additional customer(s).

2) Refunds for developers of subdivisions shall be made for each lot connected based on the following calculation: Total refundable contribution divided by the number of lots that can be served from the extension equals refund per lot. In addition, the total revenue of the subdivision will be reviewed annually to determine if adequate revenues are being generated so that the contribution formula would indicate a zero contribution. When this revenue level is reached, a refund will be made to the developer equal to the remaining contribution amount still held by the Company.

3) No refund shall be made by Company to customer(s) or developer after a five-year period from which initial service is established, nor shall refunds be made in excess of the amount contributed.

4) No interest will be paid by Company to customer(s) on any amount customer(s) has paid to Company as a contribution in aid of construction.

(Continued)

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. 4th Revised Section No. 5
Cancelling 2nd Revised Sheet No. 9.2
Sheet No. 9.2

(Continued)

ELECTRIC EXTENSION POLICY Rate 112

3. Project construction cost shall include all cost of the electric extension and overhead cost less the cost of customers' transformer(s), service line, and meter. The service line is considered to be the low voltage conductors between the Company owned transformer or secondary system and the customer owned service entrance equipment.

4. Electric extension refers to any facilities which must be constructed to connect a new customer to the utility system or the addition of capacity to existing facilities.

5. Company will deliver electricity to customer at the rate approved by the South Dakota Public Utilities Commission.

6. Where a contribution in aid of construction is required to provide service, such extension is subject to prior execution by customer and Company of Company's standard agreement for extensions.

7. Where abnormal conditions exist, causing extraordinary costs on any part of the extension (e.g., railroad or river crossing, land clearing, special permits, etc.), a charge may be made equal to the additional cost incurred by reason of the abnormal conditions.

8. Temporary loads, such as gravel pit operations, carnivals, etc., shall follow the Company rules for temporary services.

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. Section No. 5
4th Revised Sheet No. 10
Cancelling 3rd Revised Sheet No. 10

METHOD OF COMPUTING INITIAL OR FINAL BILLS FOR ELECTRIC SERVICE FOR LESS THAN A FULL MONTHLY BILLING PERIOD Rate 113

Customers' meters are read as nearly as practicable at thirty-day intervals. When service is begun or terminated at any location between regular meter reading dates, bills will be prorated on a daily basis, whenever the billing period is less than 27 calendar days or more than 35 calendar days. The minimum monthly bill, base rate, kilowatt hour blocks and demand charge provisions in all rate schedules will be prorated. T T

Date Filed: July 11, 1986

Effective Date: Service Rendered on and after August 5th, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. Section No. 5
5th Revised Sheet No. 11
Cancelling 4th Revised Sheet No. 11

RULES FOR APPLICATION OF ELECTRIC SERVICE Rate 114

1. Residential Electric Service is available to any residential customer for domestic purposes or general farm use in which service is provided for the producing operations of a farm or ranch only. All normal sized equipment used for domestic lighting, heating, cooking and power may be supplied through one meter. (C)(C)

   a. Residential service is defined as service for domestic general household purposes in space occupied as living quarters, designed for occupancy by one family. Typical service would include the following: separately metered units, such as single private residences, single apartments, mobile homes and general farm use in which service is provided for the producing operations of a farm or ranch (this is not an all-inclusive list). In addition, auxiliary buildings on the same premise as the living quarters, used for residential purposes, may be served on the residential rate. (N)(N)

   b. Motors and other equipment which interfere with service to neighboring customers, all motors larger than 5 horsepower and temporary or seasonal loads totaling more than 25 kilowatts (Kw) will not be permitted on the Residential Electric Service Rate without prior Company approval. (L)(C)

   c. Only single phase service is available under the Residential Electric Service Rate. (T)(L)

2. General Farm Use is defined as use of service by a customer where the predominant use of the premise is for the production of crops for sale or where such crops are used to provide the predominant feed requirements for the raising of domestic or other animals for customer's or his employer's sole benefit when neither customer nor his employer hold themselves out as a retailer or processor of products not associated with the predominant use of such premise. General Farm Use shall not include commercial feed companies which operate hatcheries, broiler houses or cage laying operations in conjunction with their commercial feed business, livestock breeding operations whose purpose is retail sale, slaughter houses, dairy houses, feedlot operations or other commercial uses. (N)(N)

3. Three phase service for all types of nonresidential service and nongeneral farm use service shall be served under the appropriate General Electric Service Rate. (T)

(Continued)

Date Filed: October 16, 1987 Effective Date: Service rendered on and after October 28, 1987

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs & General Services

(Continued)

RULES FOR APPLICATION OF ELECTRIC SERVICE Rate 114

4. General Electric Service is defined as service provided to non-residential services, such as a business enterprise in space occupied and operated for nonresidential purposes. Typical service would include stores, offices, shops, restaurants, sorority and fraternity houses, boarding houses, hotels, service garages, wholesale houses, filling stations, barber shops, beauty parlors, apartment houses with master metering exemptions, common areas of shopping malls or apartments (such as halls or basements), churches, elevators, schools and facilities located away from the home site (this is not an all-inclusive list). (N)

5. If separate metering is not practical for a premise that is using electricity for both residential purposes and for conducting business (or for nonresidential purposes), the customer will be billed under the predominate use policy. Under this policy, the customer's combined service is billed under the rate (Residential or General) applicable to the type of service which constitutes 50% or more of his total connected load.

6. Other classes of service furnished by the Company shall be defined in applicable rate schedules or in rules and regulations pertaining thereto. Service to customers for which no specific rate schedule is applicable shall be billed on the appropriate General Electric Service Rate. (N)

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

MONTANA-DAKOTA UTILITIES CO.
400 NORTH FOURTH STREET
BISMARCK, NORTH DAKOTA 58501

SD P.U.C. _____ Section No. 5
Sheet No. 12
Cancelling _____ Sheet No. _____

(RESERVED FOR FUTURE USE)

Date Filed: June 29, 1984

Effective Date: Services rendered on or afte
November 15, 1984
Pursuant to Stipulation Docket #3488

Issued By: C. Wayne Fox, Assistant Vice President

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. Section No. 5
3rd Revised Sheet No. 13
Cancelling 1st Revised Sheet No. 13

TAX CLAUSE Rate 130

In addition to the charges provided for in the electric tariffs of the Company there shall be charged pro rata amounts which on an annual basis shall be sufficient to yield to the Company the full amount of any excise taxes, whether they be denominated as license taxes, occupation taxes, business taxes, privilege taxes, or otherwise, levied against or imposed upon the Company by any municipality or other political subdivision for the privilege of conducting its utility operations therein.

The charges to be added to the customers' service bills under this clause shall be limited to the customers within the corporate limits of the municipality or other political subdivision imposing the tax.

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc.
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. Section No. 5
7th Revised Sheet No. 14
Cancelling 6th Revised Sheet No. 14

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

RECEIVED
JUL 21 1986
SOUTH DAKOTA PUBLIC
UTILITIES COMMISSION

MONTANA-DAKOTA UTILITIES CO.

ELECTRIC SERVICE RULES and REGULATIONS

as filed with the
Regulatory Commissions
of
Montana, North Dakota,
South Dakota and Wyoming

(Revised June, 1986)

(Continued)

Date Filed: June 20, 1986 Effective Date: For service rendered on and after July 8, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

TABLE OF CONTENTS

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

TABLE OF CONTENTS (Cont.)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

TABLE OF CONTENTS (Cont.)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

TABLE OF CONTENTS (Cont.)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

Section 100 - GENERAL

101. Company and Customer

These rules are issued on behalf of Montana-Dakota Utilities Co., hereinafter referred to as the "Company." The term "Customer" includes both a present consumer and an applicant for the Company's service.

102. Purpose

102.1 The purpose of these rules is to acquaint architects, engineers, contractors, electrical dealers, wiremen and others with the Company's requirements pertaining to the installation of services, meters, wiring, motors and other appliances to be supplied with electric service from the electric distribution system of the Company.

102.2 The practices outlined herein are dictated by many years of operating experience and, with reasonable interpretation and special inquiry in unusual cases, they are considered a trustworthy guide. These rules will be subject to revision and addition from time to time in keeping with new developments and accepted good practice.

103. Electrical Codes and Ordinances

The Electric Service Rules and Regulations contained herein are supplementary to and do not intentionally conflict with nor supersede the National Electrical Code, nor such state and municipal laws and ordinances that may be in effect in the areas in which the Company furnishes electric service, except that where the requirements of these Electric Service Rules and Regulations exceed those of such codes, laws, and ordinances, these Electric Service Rules and Regulations shall apply.

104. Wiring Adequacy

The Company recommends the services of a reliable and experienced electrical contractor be obtained for any new wiring or alteration of existing wiring. The familiarity of the contractor with national and local wiring codes, and his knowledge of the Customer's present and future needs, should result in a safe and satisfactory installation.

NOTE: Wiring codes provide minimum requirements for safety. Installation of wiring capacity greater than minimum code requirements is recommended to bring to the Customer all the benefits of electric service and to protect building investment by minimizing obsolescence resulting from an inadequate wiring system.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

105. Application for Service

Application for original or additional service may be made at the Company's offices by mail, by telephone or by personal call. The following is required:

Customer's name
Exact address of premises
Type of service required
Date service is required
Character of the load
(Note any special requirements)
Customer's deposit (when required)

The above shall be supplied to the Company as far as possible in advance of the Customer's requirements for service.

106. Inspection of Wiring

Where permits and inspections covering Customer's wiring and installation are required by local ordinance, it is mandatory that such requirements be fulfilled before the Company will make connections to the Customer's installation. In locations where such inspections are not required by law or ordinance, an affidavit by the wiring contractor stating that the wiring has been done in compliance with the National Electrical Code will be acceptable.

107. Permits, Certificates, Affidavits

It is the responsibility of the Customer to obtain all necessary permits, certificates of inspection or affidavits as required in Paragraph 106 and to notify the Company promptly of any proposed alterations or additions to Customer's load. Failure to comply with these requirements may result in delayed connection, interruption of service or damage to apparatus.

108. Connections

Service connections will be made and a meter or meters will be installed by the Company following Customer's compliance with Paragraphs 105, 106, and 107 above, and payment of the prescribed Customer's deposit. (Refer to Paragraph 402.)

109. Consultation with the Company

109.1 The location, size and character of the Customer's load and the current, voltage, frequency, phases, etc. which the Company has available at the Customer's location will determine the type of service supplied to the Customer.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

109.2 Architects, engineers, contractors, electric dealers, wiremen and others must confer with local representatives of the Company to determine the type of service that will be available before designing or preparing specifications for new electrical installations or alterations to existing installations.

109.3 Consultation with the Company before purchase and installation of apparatus may save the Customer unnecessary expense by avoiding purchase of equipment that is incompatible with the service available from the Company's facilities.

109.4 In all cases involving large installations and other cases where any doubt exists, full information as to the type of service available should be obtained from the Company.

110. Unauthorized Use of Service

The Company supplies electric service in the state of South Dakota, which has laws prohibiting the unauthorized use of electric energy.

Violators are subject to prosecution.

111. Unauthorized Attachments to Poles

111.1 The unauthorized attachment of any flags, banners, signs, clotheslines, antennas, etc. to Company poles is prohibited. The use of poles for placards or other advertising matter is forbidden. The Company will remove such unauthorized attachments without notice and may prosecute any such trespassers.

111.2 Customers are cautioned to locate antennas so that they are beyond falling distance from the Company's lines, either transmission or distribution. In many of the communities in which the Company operates, this provision is covered by local ordinance.

111.3 Antennas and lead-ins shall be located a safe distance from and shall never cross over or under the Company's lines or contact the Company's poles.

111.4 The Company disclaims all responsibility where such equipment contacts the Company's lines, poles or equipment.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

112. Access to Customer's Premises

The Company's authorized agents and employees shall have access, at all reasonable hours, to the premises of the Customer for the purpose of reading, inspecting, testing, adjusting and otherwise caring for, replacing or removing meters or other Company property which may be on the Customer's premises.

113. Protection of Customer's Equipment

It is the primary goal of the Company to furnish satisfactory electric service consistent with fair and reasonable rates. However, as the Company's electric system is unusually widespread and has many interconnections with sources of power other than its own generating stations, it is subject to exposure by storms and other factors not under its control. Although the Company employs the latest developments in equipment and methods of operation for the purpose of maintaining adequate service, it cannot guarantee service to be free from interruptions, variation in voltage and frequency, single phase energization of three phase lines, reversal of phase rotation or other abnormal conditions, and it cannot assume liability for damage to Customer's equipment resulting therefrom. Therefore it is the obligation of the Customer to provide such protective devices as may be necessary to safeguard his equipment and installation. (Refer to Paragraph 711.)

114. Regulatory Commission Authority

The Regulatory Commissions of Montana, North Dakota, South Dakota and Wyoming, with which these Rules and Regulations have been filed, prescribe standards for electric service to which the Company is subject. The Rules and Regulations set forth herein are supplementary to and do not intentionally conflict with the Commissions' standards for electric service, the National Electrical Code, state codes or local laws or ordinances.

Section 200 - USE OF ELECTRIC SERVICE

201. Rate Schedules

201.1 Electric service will be billed under the rate schedule that applies to the class of service used.

201.2 Rate schedules applicable to various classes of service may be obtained from the Company upon request. Only single phase service will be supplied under a residential rate schedule. Temporary use, seasonal use and standby service may be subject to special rate provisions and charges. Information is available at the offices of the Company.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

202. Resale of Energy

The Company will not supply energy for resale except as expressly covered by special contract or where such provision is a part of the rate schedule.

203. Temporary Service

Temporary service is any service for construction work, carnivals, gravel pits, occasional lighting, etc., which is not expected to continue in use for a period long enough to justify the construction cost necessary for extending service. When temporary service is desired the Customer shall, in addition to paying the scheduled rates, make deposit in advance in the amount of the Company's estimated cost of installing and furnishing such temporary service facilities together with the cost of disconnecting and removing same and the estimated billing to the Customer for electric service. Final billing will reflect credit for the salvage value of materials used in providing the temporary service. Any deficiency in such advance payment shall be paid by the Customer upon presentation of bill. Any amount deposited in excess of final billing by the Company will be refunded to the Customer.

204. Standby Service

Where electric service is supplied as standby to a Customer's generating facilities or vice versa, the Customer shall provide and install at his expense a suitable double-throw switch or other device which will completely isolate the Customer's power facilities from the Company's system. The service entrance shall be installed so that the phase conductors will be totally isolated from the Customer's wiring before the standby unit is put into operation.

205. Parallel Service

Parallel operation of the Customer's generating equipment with the Company's system shall be permitted to the extent provided in other approved rates.

206. Transformer Installations on Customer's Premises

206.1 The Company may supply transformers to be installed in the Customer's building or on the Customer's premises when requested by the Customer and in accordance with the following paragraphs.

206.2 The Customer shall agree to indemnify and save the Company harmless from any loss, damage, expense or liability, incurred or arising from, or out of the installation, operation, maintenance, repair or removal of its transformers, cables, conductors, apparatus and all other Company property, material or equipment placed on the Customer's premises or in the Customer's building.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

206.3 Power or distribution transformers with primary voltage of 2400 volts or higher will not be installed in Customer's building unless a vault suitable for the purpose is provided by the Customer. Transformer vault construction must comply with the requirements of the latest edition of the National Electrical Code and current supplements thereto.

206.4 The Company will furnish, own and maintain conventional oil filled transformers at no cost to the Customer. However, where dry type transformers, transformers containing a nonflammable insulating coolant or oil filled transformers of special voltage or design are required they shall be owned, installed and maintained by the Customer at his expense.

206.5 Padmounted transformers may be installed on Customer's premises. The Customer shall furnish a suitable concrete pad, conduit, ground rod and service conductors as noted in Figure 8. Where the Customer has more than four parallel conductors, a cable junction enclosure and conduit to the transformer location may be required. The Customer shall consult with the Company to determine when a cable junction enclosure is required.

206.6 Where the transformer is installed adjacent to an asphalt or concrete driveway, parking lot, or walkway, the Customer shall provide conduit from the transformer location to a point beyond the driveway, parking lot, or walkway to accommodate the Company's primary voltage cable. The Customer shall consult with the Company to determine the proper size conduit.

206.7 Refer to Figure 8 for additional information on transformer location.

Section 300 - ELECTRIC SERVICE AVAILABLE

301. Frequency

All service supplied by the Company is alternating current at a nominal frequency of 60 Hertz.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

302. Secondary Voltages (See also Section 400.)

302.1 In general, the following classes of service are normally supplied:

Phase	Wires	Nominal Voltage	Nominal Service
1	3	120/240	Single Phase Lighting & Power
3	4 Delta	120/240	Combined Light & Power
3	4	208 Grd Y/120	Combined Light & Power
3	4	480 Grd Y/277	Combined Light & Power
3	4 Delta	240/480	Combined Light & Power
3	3 Delta	480	Combined Light & Power

302.2 Service at other voltages may be made available for approved loads upon special application to the Company. Supplying such service may require special construction and equipment by the Customer and the Company. The details of such construction and equipment are subject to negotiation between the Company and the Customer before service is supplied.

302.3 As the voltage and number of phases which will be supplied depend upon the character of the load, its size, and location, it is necessary that the Customer consult with the Company regarding the type of service which will be furnished before proceeding with the purchase of equipment or the installation of wiring. (Refer to Paragraph 109.)

302.4 The Customer's wiring for single phase installations shall be such that the difference in loads on each side of the supply neutral shall not exceed 10% of the total load.

302.5 For three phase grounded wye installations, the load shall be balanced so that the difference in loads on the separate phases shall not exceed 10% of the total load.

303. Primary Voltages (See also Section 500.)

Service may be made available at primary voltage of 2400 volts or higher. Since the available primary voltage is not the same in all communities, or localities within the communities, the Customer must consult the Company when such service may be required.

Section 400 - SECONDARY VOLTAGE SERVICE
(Under 600 Volts)

401. Secondary Voltage Service Connections

The location of the service connection is subject to approval by the Company. It is essential, in order to avoid errors, that the architect, contractor, wireman or others consult with the Company to determine the

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

preferred location. The Company will cooperate with the Customer to the fullest extent practicable in determining such location. Once established, any change by the Customer may result in billing to the Customer for any additional work or materials required by the Company.

402. Service Connections and Disconnections

All connections or disconnections of overhead or underground services, regardless of the voltage, will be made by the Company at the point where the Company's facilities join those of the Customer. No Customer or agent of the Customer will be authorized to make such connections or disconnections. (Refer to Paragraphs 105, 106, 107 and 108.)

403. Number of Service Drops

In general, one service drop will be installed for each customer location. Exceptions will be made in special cases where it is mutually advantageous to the Customer and the Company.

404. Services in Raceways

Where services are installed in raceways, the installations must comply with the requirements of the latest edition of the National Electrical Code.

405. Service Entrance Requirements

405.1 The Company recommends that the service entrance for single family residences be not less than three conductor No. 2 AWG Copper (100 ampere switch) or its equivalent. The service entrance should be as much larger as is required to permit a load addition of 100%. All service entrance conductors shall be of the stranded type. Bare neutral shall not be installed in conduit due to the possibility of radio interference. The Company should always be consulted regarding services to multiple dwellings, commercial or industrial buildings. A special note should be made that no more than six service switches may operate on one service entrance without a switch ahead of the meters.

405.2 Ample length of service entrance conductor shall be left protruding from the service head and at padmount equipment facilities to allow for proper connection to the service drop for overhead installations and to padmount equipment terminals.

405.3 When entrances are parallel in two or more conduits, all phases shall be run in each conduit and all wires shall be of the same length.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

405.4 The service entrance conductors between the Company's service attachment and the meter device shall be in accordance with provisions of the National Electrical Code, state code and local ordinances. The conductors shall be run continuously without a splice from the wire attachment to the meter device and from the meter device to the service switch.

406. Identification of Conductors

406.1 For purposes of identification, the neutral wire of each single phase entrance shall be clearly marked at the service outlet as well as at the meter location.

406.2 Where 4-wire, three phase service entrances are installed, the neutral conductor and the "wild" phase conductor (nominal 208 volts to ground) shall each be clearly marked at the service outlet, at the meter and at service equipment.

407. Conductor Switching and Fusing

All ungrounded conductors shall be properly insulated, and protected by circuit breakers or switches and fuses.

408. Neutral Grounding

The neutral conductor of the Customer's wiring shall be grounded in accordance with provisions of the National Electrical Code, state code and local ordinances.

409. Overhead Service Drops

409.1 The service entrance shall be located so the overhead service drop from the Company's line will allow conductors to maintain a clearance of not less than three feet from windows, doors, porches, fire escapes or similar locations. Conductors running above the top level of a window are considered out of reach from that window.

409.2 In cases where the contours of the building are such that proper clearances cannot be maintained by attaching the service drop directly to the building, the Customer shall install and maintain a supporting structure of sufficient mechanical strength to support the wires and of sufficient height to provide the necessary clearances.

409.3 On buildings constructed of wood, the service entrance shall be run to a point where the service attachment can be made to a studding. If this is not possible, a firm means for mounting the service attachment shall be provided.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

409.4 On buildings constructed of materials other than wood, the Customer shall install the necessary facilities for mounting the service drop attachment. The Company will supply the attachment for the Customer to install at the time the building is being constructed.

409.5 The service entrance head must be located above the point of attachment of the service drop to the building. The point of attachment shall be established so that the drip loop is not less than 10 feet above finished grade and shall be at a height to permit the minimum clearance requirements listed in Paragraph 409.7 (Refer to Figure 2.)

409.6 The service entrance head shall be installed to permit the service drop wires to be attached to the building at a location to maintain clearance over railroads, highways, streets, driveways, roofs, communication or signal wires, and away from windows, awnings and other obstructions on the building.

409.7 Service drop conductors shall not be readily accessible and when not in excess of 600 volts, shall conform to the following general requirements. Refer to the National Electrical Safety Code for possible exceptions.

Clearance over roof - Conductors shall have a clearance of not less than 8 feet from the highest point of roofs over which they pass with the following exceptions:

a. Where the voltage between conductors does not exceed 300 volts and the roof is not readily accessible the clearance may be not less than 3 feet. A roof is considered readily accessible if the means of access is through a doorway, ramp, stairway, or permanently mounted ladder.

b. Service drop conductors of 300 volts or less which do not pass over other than a maximum of 4 feet of the overhang portion of the roof for the purpose of terminating at a (through-the-roof) service raceway or approved support may be maintained at a minimum of 18 inches from any portion of the roof over which they pass.

Clearance from ground - Service drop conductors shall have the following minimum clearance from ground:

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

15 feet - above spaces or ways accessible to pedestrians only. This clearance may be reduced to the following values:
(a) 12 feet for service conductors less than 300 volts to ground
(b) 10 feet for drip loops of triplex (or quadruplex) service conductors less than 150 volts to ground and the portion of the associated service drop span located within 15 feet of the service entrance to buildings.

15 feet - over residential driveways and commercial areas not subject to truck traffic. This clearance may be reduced to 12 feet for:
(a) triplex (or quadruplex) conductors less than 750 volts to ground
(b) open supply line conductors less than 300 volts to ground.

18 feet - over commercial areas, parking lots, agricultural or other areas subject to truck traffic.

18 feet - over public streets, alleys, roads and driveways on other than residential property.

18 feet - over swimming pools, or within 10 feet, measured horizontally, of the pool edge. In addition, there must be 14 feet clearance measured in any direction from every point on a diving platform or tower. Both requirements apply to triplex (or quadruplex) less than 750 volts to ground.

NOTE: These clearances comply with the 1984 Edition of the National Electrical Safety Code. Refer to the latest edition of this publication for current clearance requirements.

409.8 A farm yard service pole shall be installed on farm installations by the Company for the Customer's convenience in installing service to each of several buildings on the farm. The Customer shall be responsible for installation of all materials. Transformer poles shall not be used for service poles.

410. Secondary Voltage Underground Service

410.1 Where the Customer desires an underground service, he must furnish and install conduit from the line side of the meter socket to a point a minimum of 12 inches below grade. (Refer to Figure 1.) Customer shall also provide necessary conduit for services under any asphalt or concrete driveway, walkway, or parking lot. Where a Customer plans to convert from an overhead to an underground service, he must provide all necessary changes to his service entrance, including relocation, and be responsible for

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

permits and extraordinary charges such as concrete or asphalt work, landscaping damage, unforeseen underground obstructions, frozen ground, etc. To avoid extraordinary charges the Customer may provide the trench.

410.2 If an owner requests underground service from an existing overhead line and desires to own the underground service, he may do so and not be charged the Company's underground service charge. (Refer to Figures 1 and 3.)

411. Mobile Home Service

The Company will connect from and after April 7, 1983 its service conductors to a Company approved but Customer owned metering pedestal or meter socket and meter mounting device. The Customer, as the term is used in this section, is considered to be the mobile home court owner for installations in approved mobile home courts and the mobile home owner for installations on a private lot.

Section 500 - PRIMARY VOLTAGE SERVICE
(2400 Volts or More)

501. General

The Company offers electric service at primary voltages of 2400 volts or higher. A Customer desiring to take service at primary voltage shall furnish and own the conductors from the point of delivery and shall consult the Company to assist in determining the size, type and arrangement of service entrance equipment and conductor specifications required for the Customer's particular needs. It is recommended that the Customer consult the Company concerning advantages of certain filed rates which allow a discount when the Customer owns the conductor, transformers and other equipment on the Customer's side of the primary metering point.

502. Service Entrance Equipment

The service entrance equipment shall perform the following functions:

a. Isolate the load from the supply circuit by visible means.
b. Automatically break the circuit in the event of overload.
c. Permit manual opening of the circuit at full load.

503. Overcurrent Protection

Overcurrent protective devices may be as follows:

a. Fuses
b. Automatic trip circuit breakers

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

The automatic overcurrent protective device must have an interrupting rating, at circuit voltage, equal or exceeding the maximum short circuit current available at the location where service is taken. The Company should be consulted as to the proper specifications for such equipment since maximum short circuit currents are subject to change through upgrading of the Company's distribution system.

504. Isolating Switches

The isolating switch shall provide visible evidence that the circuit to which it is applied is open or disconnected. It shall be so located in the circuit that it disconnects all service equipment from the source of supply. Where automatic circuit breakers are used as circuit protective equipment they shall be accompanied by isolating switches located in the supply side of the circuit.

505. Load Break Switches

Isolating switches (Paragraph 504) are not considered to possess load-break capability. They shall be accompanied by a switch capable of interrupting the full load on the circuit.

506. Disconnecting Means

506.1 If a Customer's service consists of only one circuit only one set of devices is required as itemized in Paragraph 502, above.

506.2 If the Customer's service consists of more than one but less than seven circuits, one set of devices is required for each circuit as itemized in Paragraph 502, above. A master isolating switch shall be installed at the source side and ahead of all circuits and their devices. In no case will more than six circuits be supplied from a single installation.

507. Load Balance

Loads on the three phases shall be balanced as closely as possible. The maximum unbalance permitted between individual phase loads is 10% of the total three phase load.

Section 600 - METERING

601. General

The Company will install the necessary meters to measure the electrical energy delivered under each account for a particular class of service.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

602. Meter Installations

602.1 The Company will furnish all meters required for billing purposes. It shall be the Customer's responsibility to furnish, install and maintain the meter mounting device. Company approved specifications for electric meter sockets and metering transformer enclosures are listed below:

Self-Contained Meter Sockets - Single Phase, Three Phase and Multiple Position Type

1. U.L. approved
2. 100 ampere minimum for overhead service installations
3. 150 ampere minimum for underground service installations
4. Connections to be stud type
5. Recommend fittings to be compression type
6. Recommend ringless
7. Equipped with a fifth terminal where network metering is required
8. Recommend a manual lever by-pass feature where power cannot be interrupted because of computers, alarm systems, etc.
9. Automatic by-pass feature is not acceptable

Current Transformer Rated Meter Socket, Single Phase

1. U.L. approved
2. Minimum size must provide space for test switch installation
3. Recommend ringless
4. Recommend one piece cover
5. Socket must have six terminals
6. Automatic by-pass feature is not acceptable
7. Consult with Company prior to purchasing any instrument rated socket

Current Transformer Rated Meter Socket, Three Phase

1. U.L. approved
2. Minimum size must provide space for test switch installation
3. Recommend ringless
4. Recommend one piece cover
5. For three phase, three wire, the socket must be equipped with 8 terminals, all others must be equipped with 13 terminals
6. Automatic by-pass feature is not acceptable
7. Consult with Company prior to purchasing any instrument rated socket

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

Current and Voltage Transformer Enclosure (Secondary Service)

1. Recommend a durable, weather-resistant finish and weather-proof seal
2. Must be provided with hinge-type cover and provisions to attach locking or sealing device
3. Minimum size 10" x 24" x 30" with suitable mounting brackets for current and voltage transformers.
4. Consult with Company prior to purchasing any metering transformer enclosure.

602.2 Socket type meters with capacities up to 200 amperes and under 300 volts for single or two-family residences, farms and small commercial establishments shall, where possible, be placed out-of-doors.

602.3 On large capacity installations over 200 amperes and under 600 volts, the Company will furnish and install the current transformers when required. Where practical, such installations shall be arranged for outdoor metering. (Refer to Figure 4.)

602.4 Where it is determined that a secondary metering transformer enclosure is required, the Customer shall furnish and install a sealable steel enclosure. Such enclosures shall contain only the service entrance conductors and metering transformers. Customer's distribution circuits shall not be taken through the metering transformer enclosure. The metering transformers shall be installed on the line side of the Customer's disconnecting device. Suitable lugs, connectors, etc. for connecting metering transformers to service mains shall be provided by the Customer. The Company will furnish and own the current transformers and voltage transformers where required. (Refer to Figure 5.)

The Company shall always be consulted as to whether a metering transformer enclosure will be used, and for minimum steel enclosure sizing.

602.5 For larger installations having switchboards, the metering transformers may be mounted in the switchboard bus, provided they are accessible for changing and testing.

602.6 Meters and test switches may be mounted on a suitable panel adjacent to the metering transformer enclosure.

603. Meter-Switch-Fuse Wiring Sequence

For all secondary voltage metering installations the meter, entrance switch and main line fuse or breaker shall be installed in the order named with respect to power flow. When more than six meters are served by one

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

entrance a Customer owned main service switch shall be installed on the source side of the meters. (Refer to Figure 6.) Also, a Customer owned main service switch shall be installed on the source side of all 480 volt, self-contained meters.

604. Meter Locations

604.1 Each meter shall be located in compliance with the National Electrical Code and local ordinances in a place of convenient access and where it will not create a hazard. The location shall be agreed upon by the Customer's representative and the Company. (Refer to Figure 1.)

604.2 Meters shall be located so that there is not less than 3 feet of unobstructed space in front of the meter and so that the center line of the meter is not less than 4 feet nor more than 5 feet above the floor, ground, or permanent platform from which the reading will be taken.

605. Outdoor Metering

Outdoor meters shall be permanently mounted on secure structures such as houses, buildings, poles, etc. in easily accessible locations and where they do not create a hazard. All required conduit will be provided by customer. (Refer to Figures 1 and 4.)

606. Indoor Metering

606.1 Indoor meters for multiple dwellings, large office buildings, etc. shall be grouped and located as near the service entrance location as practicable. (Refer to Figure 6.)

606.2 Meter panels shall be furnished and installed by the Customer in a clean, dry location free from vibration.

607. Wiring Diagrams

Typical wiring diagrams for various types of self-contained meters are shown on Figure 7. These are subject to change from time to time with advancement in the art of metering. Refer to Figure 7 for proper location of "wild" phase for three phase, four wire delta installations.

608. Labeling

Where two or more meter mounting devices are installed at one location, each shall be labeled so that it may be identified as to the Customer served. Electrical contractors are requested and cautioned to check and identify wiring circuits carefully to avoid metering errors due to incorrect circuitry.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

609. Seals

609.1 All meters and all points of access to Customer wiring on the source side of the meter will be sealed by the Company. All cabinets and switch boxes, either inside or outside of the building, which contain unmetered wires shall have provision made for sealing before service will be supplied. (Refer to Paragraph 602.4.)

609.2 The breaking of Company seals and/or tampering with meters and unmetered wiring by unauthorized persons is prohibited by law. (Refer to Paragraph 110.)

Section 700 - UTILIZATION EQUIPMENT

701. Interfering Loads

Whenever a Customer's utilization equipment has characteristics which cause undue interference with the Company's service to other Customers, the Customer shall provide, at his expense, the necessary equipment to prevent or eliminate such interference. The Company may install and maintain at the Customer's expense the necessary equipment to eliminate such interference if it deems it advisable. When a Customer's equipment or method of operation causes such interference and the Customer does not correct the condition after being so requested by the Company, the Company reserves the right to discontinue the electric service, following written notification of its intent to do so; and service will not be re-established until the conditions complained of have been corrected.

702. Power Factor

Whenever the Customer's utilization equipment is of such characteristics as to produce a low power factor, the Company reserves the right to require the Customer to raise such power factor, at the Customer's expense, or to pay additional charges as provided in certain of the Company's rates on file with the State Public Service or Utilities Commission of the state wherein the Customer is located.

703. Water Heaters

Water heaters shall be equipped with thermostatically controlled non-inductive heating elements designed for 240 volt single phase service.

704. Motion Picture Apparatus

Motion picture apparatus, photo lamps and rectifiers requiring more than 15 amperes shall be suitable only for 208 or 240 volts supply.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

705. X-Ray Equipment

X-ray equipment requiring more than 15 amperes shall be connected for 208 or 240 volts supply. At the option of the Company, such equipment may be separately metered and/or supplied from separate transformers.

706. Electric Welders

Electric welding apparatus shall require special arrangements with the Company to determine its ability to serve before installation is made. (Refer to Paragraph 702.)

707. Electric Motors

707.1 Motors have standard voltage ratings of 115/230 volts for single phase and 220/440 volts for three phase. Motors are designed to operate at their rated voltage, plus or minus 10%; thus a 220 volt three phase motor will operate satisfactorily at 208 volts or 240 volts.

707.2 All three phase motors connected to the Company's lines should be equipped with low-voltage and single phase protection to insure that such motors will be disconnected from the line or the starting equipment returned to the "off" position in case of failure of normal voltage supply.

707.3 Reverse phase relays are recommended for equipment such as elevator motors, cranes, etc. to protect the installation in case of phase reversal. The Company makes every effort to prevent change in phase rotation of its three phase system, but it cannot guarantee against such occurrence.

707.4 Single phase, infrequently started motors may be operated at 120 volts provided the locked rotor current of such motors does not exceed 45 amperes. Frequently started motors may be operated at 120 volts provided the locked rotor current of such motors does not exceed 25 amperes.

Motors up to and including 7 1/2 h.p. may be operated at 208 or 240 volts except that when the nameplate rating is higher than 5 h.p., compensating starting equipment may be required to limit the starting current. Such cases shall be referred to the Company for approval. (In locations where three phase service is not available, single phase motors larger than 7 1/2 h.p. may be operated with approval of the Company.)

707.5 In general, three phase motors up to and including 10 h.p. nameplate rating, operating at 208, 240, or 480 volts, may be equipped for across line starting. Motors larger than 10 h.p. may use across line starting in some instances, depending on frequency of starting, motor location, etc. Such cases shall be referred to the Company for approval. Reduced voltage starting equipment, when required, shall be furnished by the Customer.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

For motors above 50 h.p., the Company shall be consulted for determination of permissible locked rotor current.

When a single piece of motor driven apparatus has more than one motor starting simultaneously, the sum of the maximum starting currents of those motors starting simultaneously and also the sum of their horsepower rating shall be furnished to the Company to determine when reduced voltage starting may be required.

707.6 Locked rotor currents are obtainable from motor manufacturers. Where frequent starting of motors may interfere with service to other customers supplied from the same secondary or primary lines, the Company reserves the right to limit locked rotor currents.

708. Flashing Display Signs

The Company reserves the right to refuse service for "flashing" display signs or display lighting where such service would interfere with voltage regulation of the secondary system.

709. Fluorescent and Gaseous Tube Lighting

High power factor ballasts or transformers must be used for fluorescent, mercury vapor, neon or other gaseous tube lighting equipment. It is required that such equipment operate at a power factor of not less than 90% lagging.

710. Electric Heat Equipment

A Customer planning to install resistance type heating, heat pump, electric furnace, electrode boiler, etc. shall consult with the Company, preferably before purchasing the equipment, so that operational modes of this equipment are determined to be acceptable for connection to the Company's distribution system. It is important that consultation is obtained prior to installation of this equipment so the Company can provide adequate equipment and conductor capacity to efficiently serve the Customer's requirements. Consultation shall be required only for permanently installed electric heat equipment and where it is the Customer's primary heat source.

711. Computers and Electronic Equipment

Computers and other sensitive electronic equipment which require high grade, uninterrupted power may, on occasion, experience problems when connected directly to the Company's distribution system. The customer should check with an electric dealer, wireman, contractor, engineer, or architect to ascertain the need for lightning arresters, surge suppressors,

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

isolation transformers, standby or uninterruptible power supplies. (Refer to Paragraph 113.)

712. Carrier Equipment

The Customer shall not impose, or cause to be imposed, any electric signal of any frequency or magnitude upon the Company's distribution system.

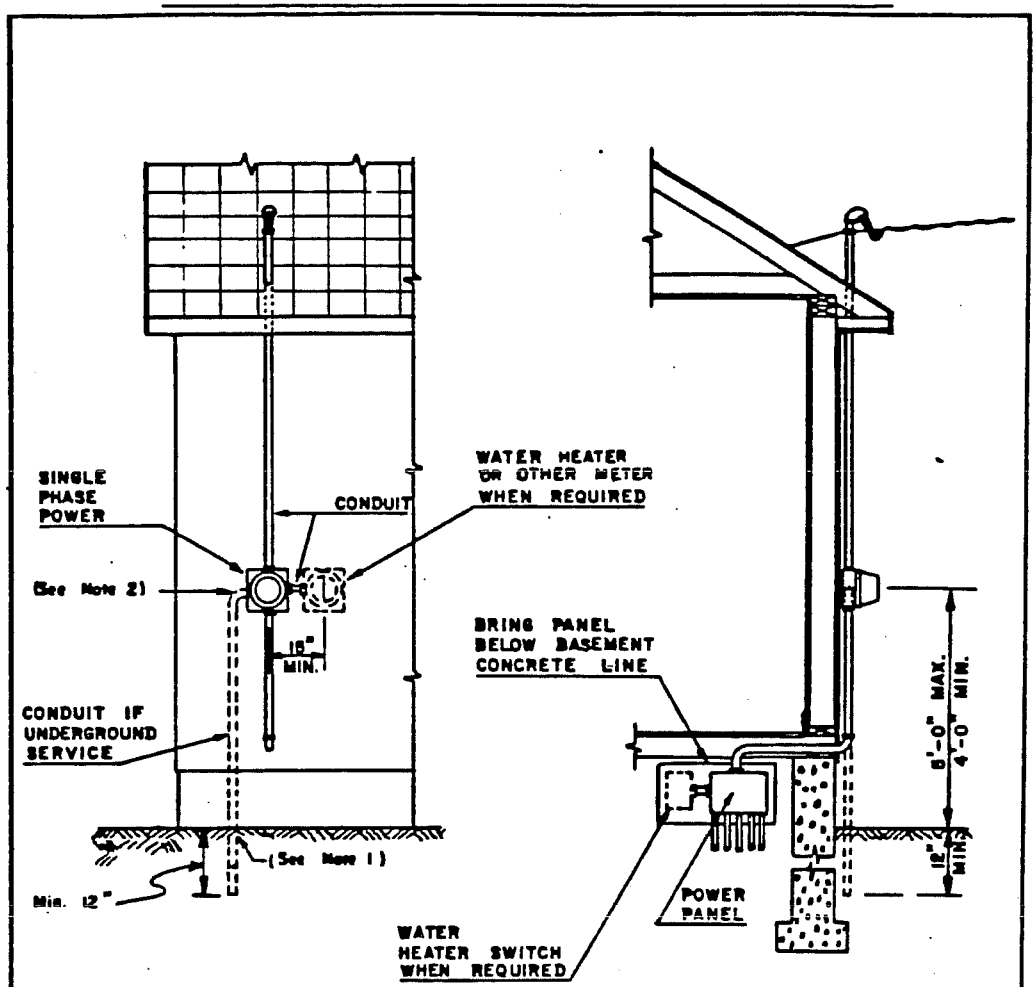
713. Lighting Service to Athletic Fields

All new installations shall be served at primary voltage. Loads greater than 50 Kw shall be served three phase. The customer shall furnish, install, and maintain the entire installation, including distribution transformers and a load break switch suitable for operation from the ground. Metering will be accomplished by an elapsed time meter, furnished by the Company, connected at an appropriate location on the customer's 120/240 volt distribution system. The Company's General Service Rate applies with the exception that there will be no demand charge or discount for primary service.

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110



NOTE 1

Leave space around conduit when pouring concrete for sidewalk, patio, etc., because of possible settling.

NOTE 2

Service should terminate on exterior of building.

ALL EQUIPMENT CUSTOMER OWNED EXCEPT METER(s) AND SERVICE CONDUCTORS. CUSTOMER MAY ELECT TO OWN UNDERGROUND SERVICE CONDUCTORS.

TYPICAL SOCKET TYPE METER INSTALLATION WITH ASSOCIATED EQUIPMENT

MONTANA-DAKOTA UTILITIES CO.

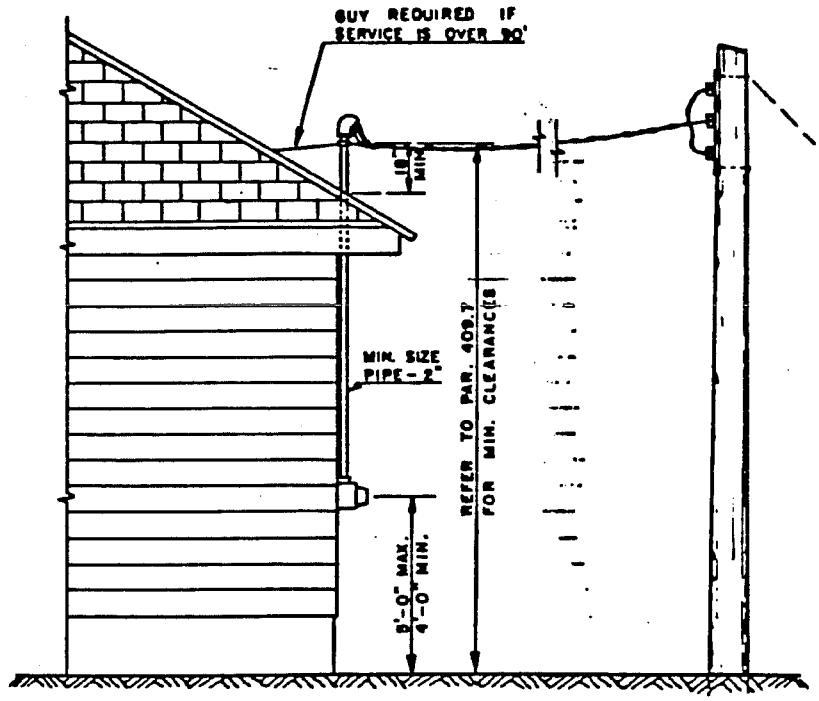
DRAWN BY	DATE	APPROVED	DATE	SCALE	DWG. No.	FILE No.
E. S.	8-1-77			NONE		

Rev. 5-86 Cor

FIGURE 1

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110



TYPICAL SERVICE ATTACHMENT						
MONTANA-DAKOTA UTILITIES CO.						
DRAWN BY	DATE	APPROVED	DATE	SCALE	DWG. No.	FILE No.
E. S.	8-2-77		8-3-78	NONE		

Rev. 5-86 Cor

FIGURE 2

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

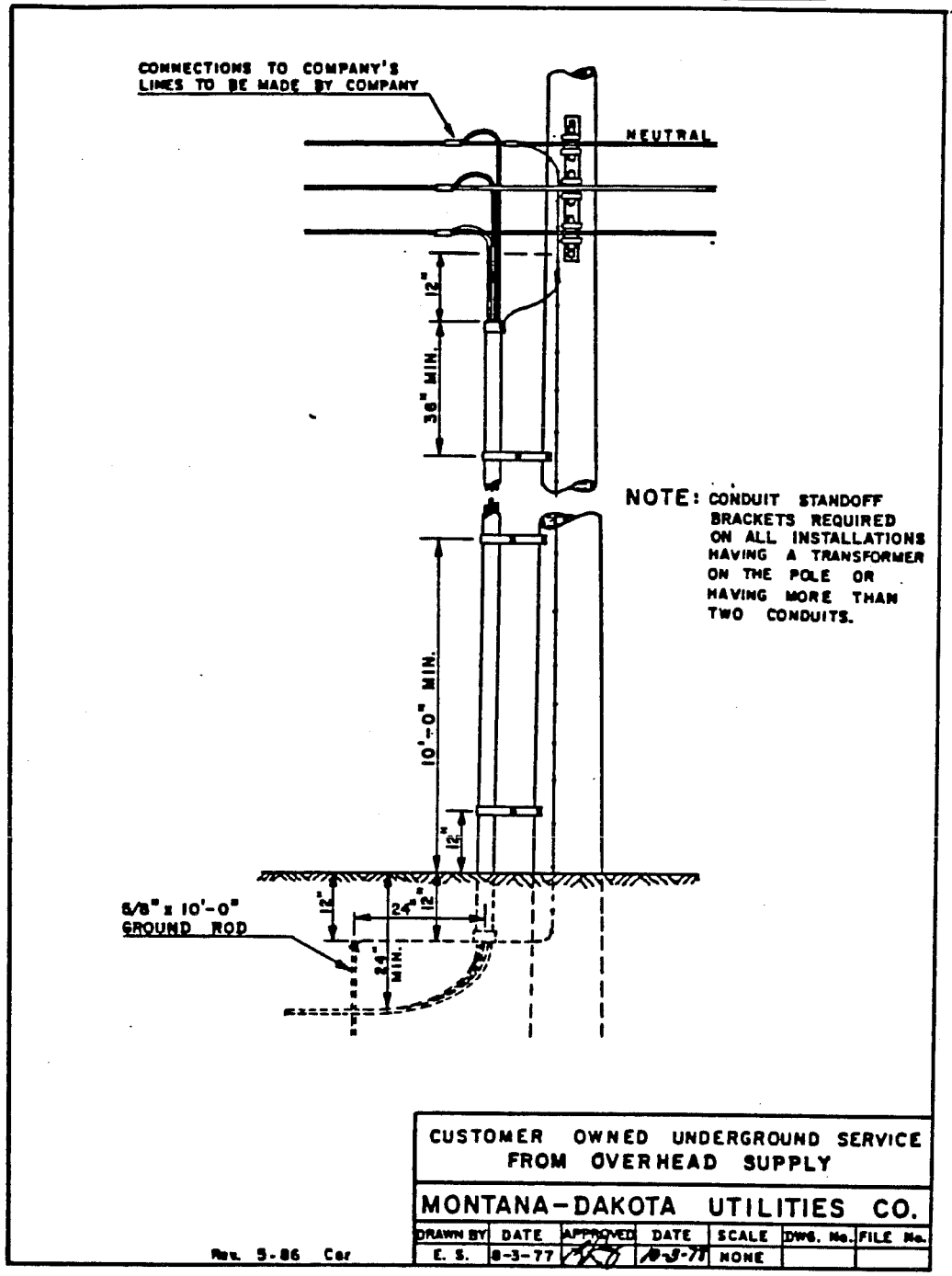


FIGURE 3

(Continued)

Date Filed: June 20, 1986

Effective Date: For services rendered on and after July 8, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

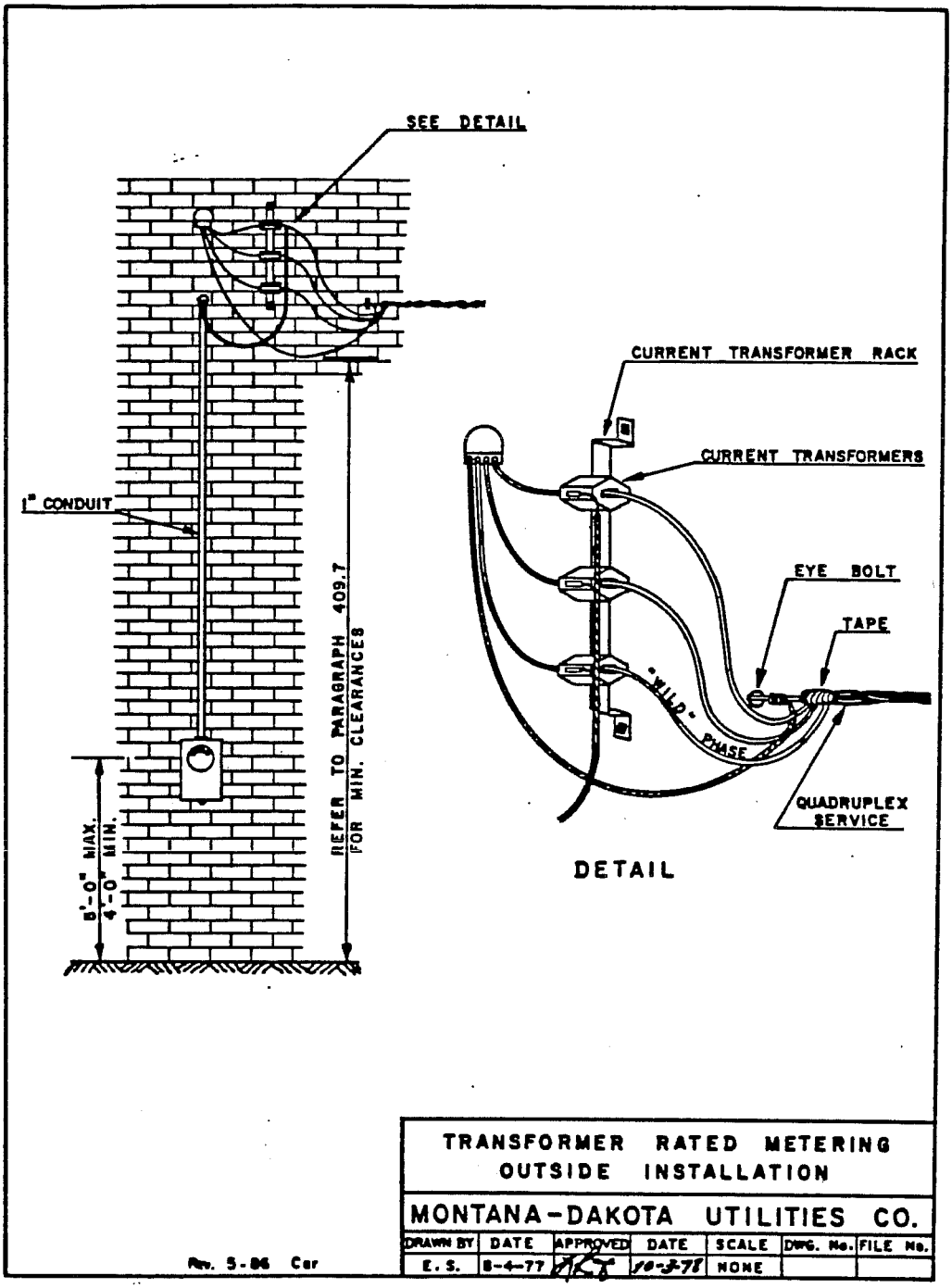


FIGURE 4

(Continued)

Date Filed: June 20, 1986

Effective Date: For services rendered on and after July 8, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

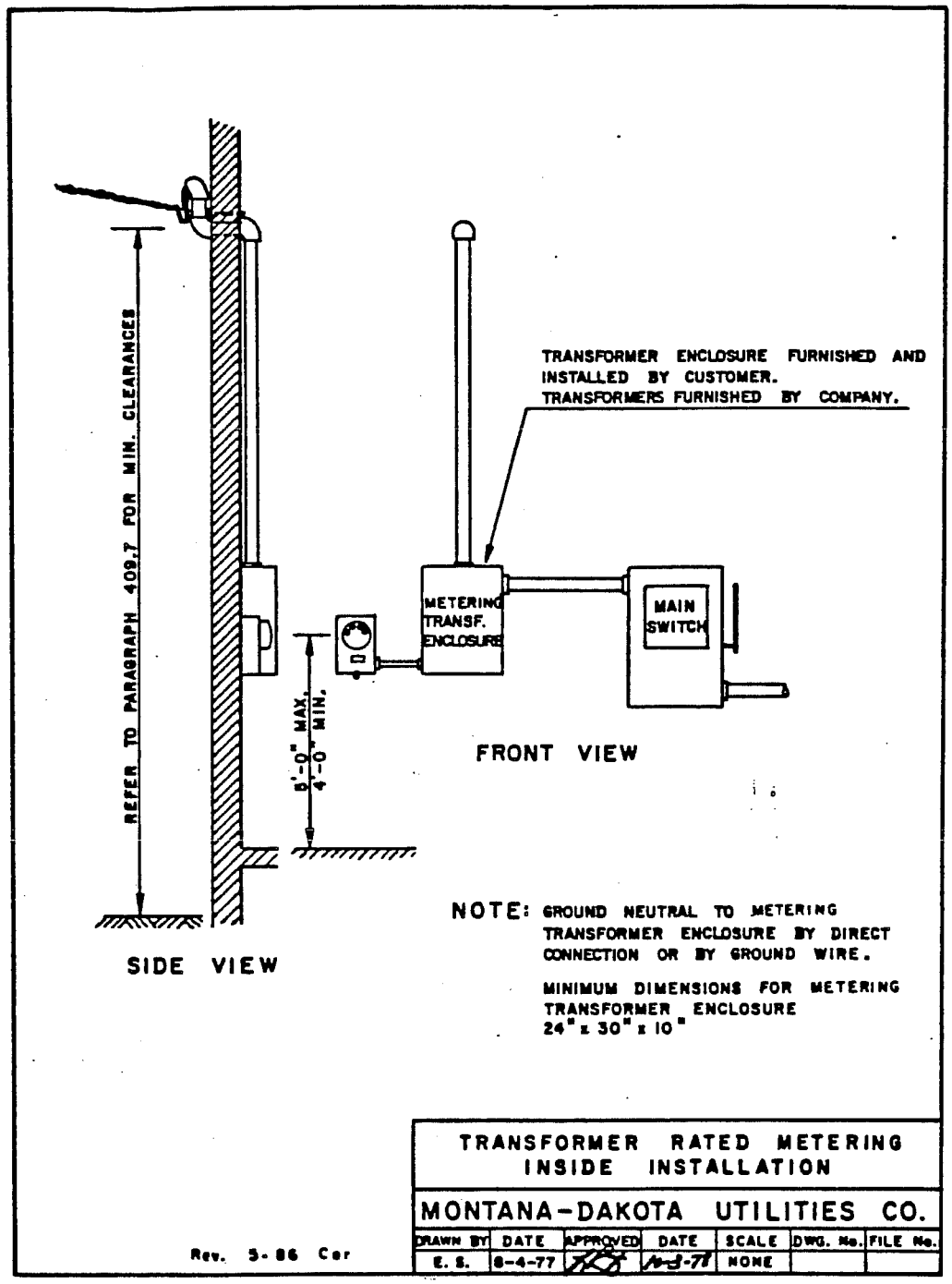


FIGURE 5

(Continued)

Date Filed: June 20, 1986

Effective Date: For services rendered on and after July 8, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

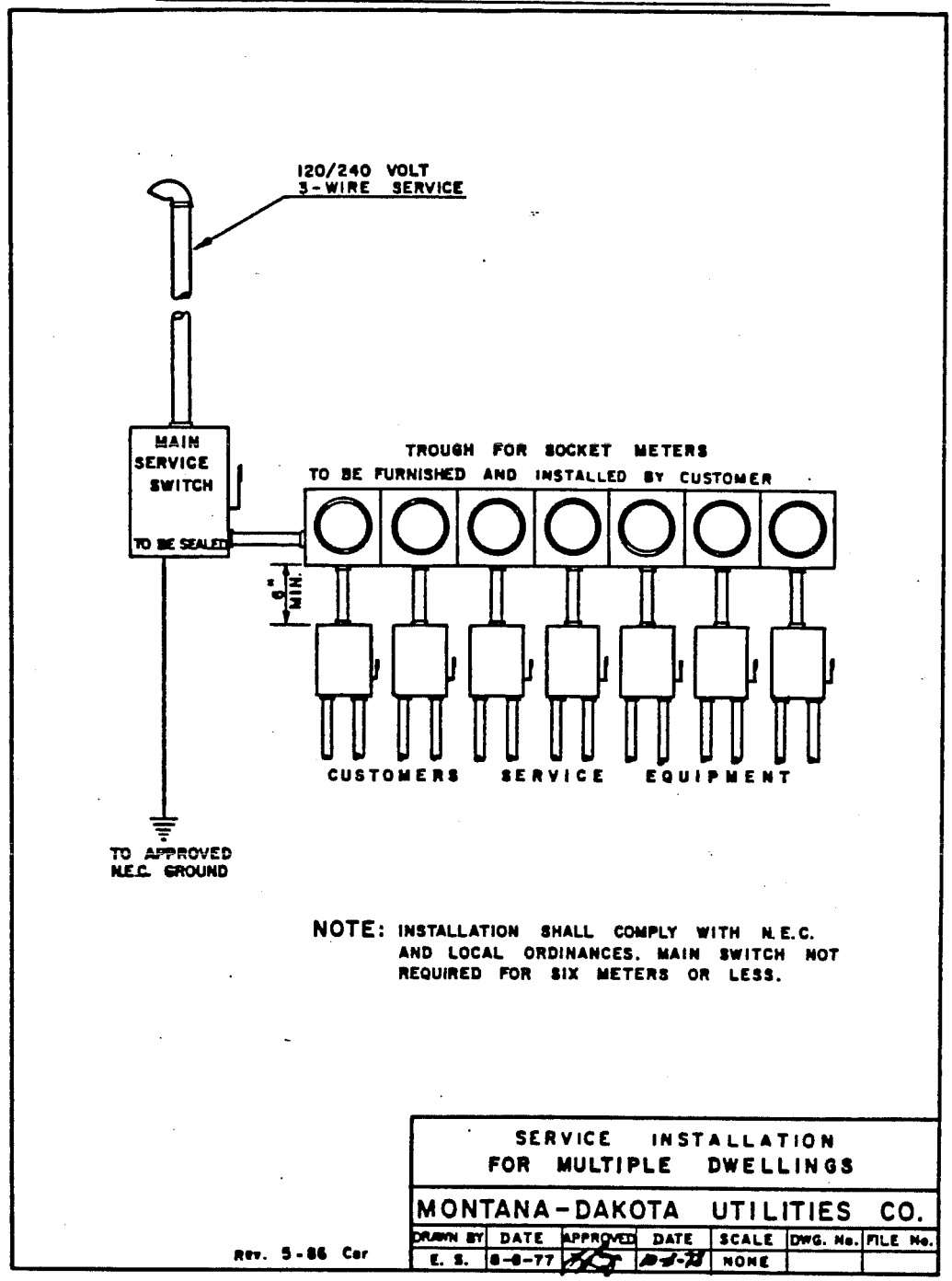


FIGURE 6 (Continued)

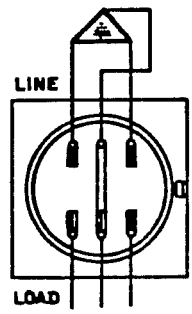
Date Filed: June 20, 1986

Effective Date: For services rendered on and after July 8, 1986

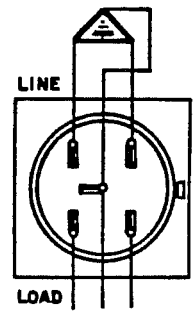
Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110

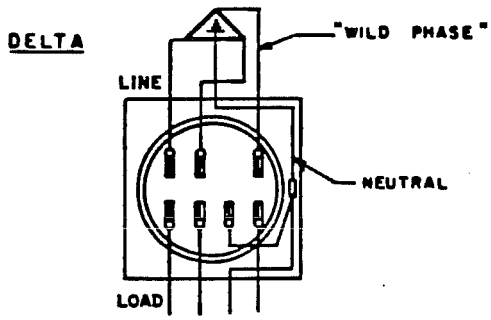


TERMINAL 5 BOTTOM

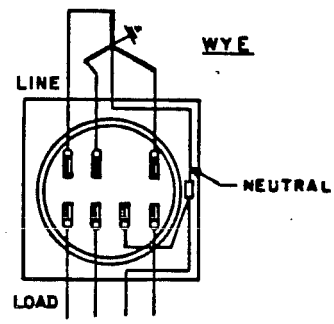


TERMINAL 5 SIDE

3-WIRE 3-PHASE DELTA 240 V.



4-WIRE 3-PHASE 120/240 V. DELTA



4-WIRE 3-PHASE 120/208 V. WYE

4-WIRE 3-PHASE DELTA AND WYE

POLYPHASE SELF CONTAINED METER CONNECTIONS						
MONTANA-DAKOTA UTILITIES CO.						
DRAWN BY	DATE	APPROVED	DATE	SCALE	DWG. No.	FILE No.
E. S.	8-8-77	[illegible]	10-5-78	NONE		

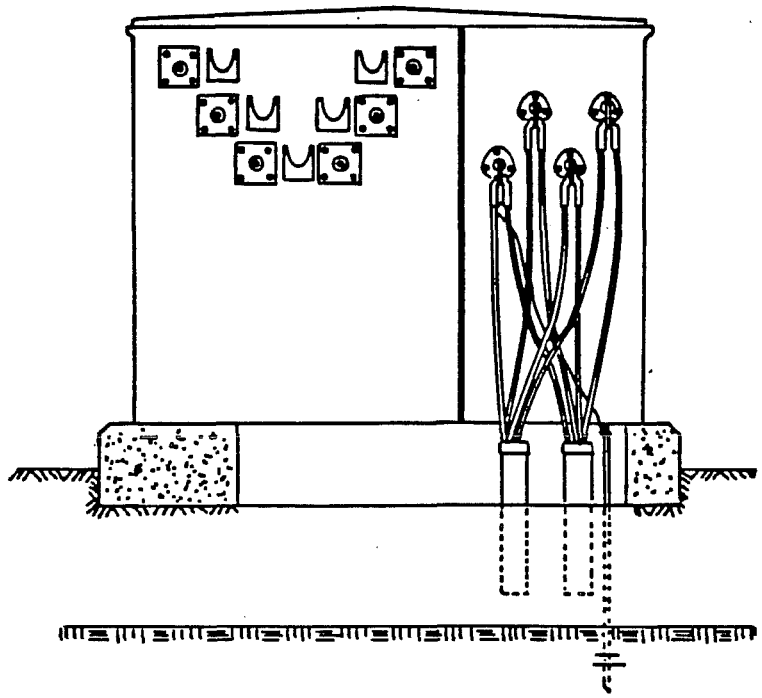
Rev. 5-86 Cer

FIGURE 7

(Continued)

(Continued)

ELECTRIC SERVICE RULES AND REGULATIONS Rate 110



NOTES

CONSULT WITH COMPANY FOR ACTUAL EQUIPMENT PAD DIMENSIONS.

TRANSFORMER PAD, SERVICE CABLE, CONDUIT AND GROUND ROD FOR SERVICE CABLE GROUNDING ARE FURNISHED BY CUSTOMER.

ALLOW SUFFICIENT SLACK IN SERVICE ENTRANCE CONDUCTOR TO ALLOW FOR PROPER CONNECTION TO EQUIPMENT TERMINALS.

SERVICE CONNECTORS TO BE FURNISHED BY COMPANY.

CONNECTION TO COMPANY'S EQUIPMENT TERMINALS TO BE MADE BY COMPANY.

WHEN MORE THAN FOUR CONDUCTORS ARE INSTALLED FOR EACH PHASE, CONSULT COMPANY FOR TRANSITION CABINET REQUIREMENTS.

Redrawn 5-86 Car

TRANSFORMER LOCATION

1. MINIMUM SEPARATION OF FIVE FEET MUST BE MAINTAINED BETWEEN OIL-FILLED PADMOUNT TRANSFORMERS AND NONCOMBUSTIBLE OR COMBUSTIBLE STRUCTURES.
2. ALL OIL-FILLED PADMOUNT TRANSFORMERS MUST BE INSTALLED SO ANY FLOW OF OIL RESULTING FROM A FAILURE OF THE TRANSFORMER WILL FLOW AWAY FROM ANY STRUCTURE.
3. A TRANSFORMER SHOULD BE LOCATED AWAY FROM TRAFFIC AREAS OR PROTECTED WITH A SUITABLE BARRIER SUCH AS CONCRETE FILLED PIPE PROVIDED BY THE CUSTOMER.
4. WHEN LOCATING PAD, CONSIDER OVERHEAD CLEARANCE FOR POSSIBLE TRANSFORMER REPLACEMENT.

TYPICAL PADMOUNT EQUIPMENT INSTALLATION

MONTANA-DAKOTA UTILITIES CO.

DRAWN BY	DATE	APPROVED	DATE	SCALE	DWG. NO.	FILE NO.
Car	5-86			NONE		

FIGURE 8

Date Filed: June 20, 1986

Effective Date: For services rendered on and after July 8, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

*Revised 1/83

411. Mobile Home Service

The Company will furnish and install a metering pedestal or meter socket complete with fuses or breakers and appropriate plug-in receptacle or device for direct wiring.

411. Mobile Home Service

*The Company will connect its service conductors to a Company approved but customer owned metering pedestal or meter socket.**

Section 500 — SECONDARY METERING

501. General

The Company will install only one meter to measure the electrical energy delivered under each account for a particular class of service.

502. Meter Installations

502.1 The Company will furnish all meters required for billing purposes. It shall be the Customer's responsibility to furnish, install and maintain the meter mounting device. Company approved specifications for electric meter sockets and instrument transformer enclosures are ·d below:

Self-Contained Meter Sockets—Single Phase, Three Phase and Multiple Position Type

1. U.L. approved
2. 100 ampere minimum
3. Connections to be stud type
4. Recommend fittings to be compression type

RULES AND POLICIES FOR IMPLEMENTING
MASTER METERING RESTRICTIONS Rate 133

Section 1. Definitions

(a) "Multiple occupancy building" shall mean any building which contains more than one residential or commercial unit.

(b) "New multiple occupancy building" shall mean any building for which the physical labor involved in the erection of such building started on or after June 13, 1980.

(c) "Existing multiple occupancy building" shall mean any building for which the physical labor involved in the erection of such building started before June 13, 1980.

(d) "Mobile home court" or "trailer park" shall mean any such mobile home courts or trailer parks in which residence is predominantly either permanent or long term, and shall not include mobile home courts or trailer parks in which residency is highly transient, such as campgrounds for recreational vehicles or trailers used for recreation or vacations.

(e) "New mobile homes courts or trailer parks" shall mean such courts or parks, for which the physical labor involved in the construction commenced on or after June 13, 1980.

(f) "Existing mobile home courts or trailer parks" shall mean such courts or parks, for which the physical labor involved in the construction commenced before June 13, 1980.

(g) "Master metered service" shall mean electric service provided to more than one residential or commercial unit through a single meter.

(h) "Individually metered service" shall mean electric service provided to one residential or commercial unit through a single meter which serves that unit only and no other unit.

(i) "Company" shall mean Montana-Dakota Utilities Co.

(Continued)

(Continued)

RULES AND POLICIES FOR IMPLEMENTING
MASTER METERING RESTRICTIONS Rate 133

Section 2. Applicability

Electric service to new multiple occupancy buildings and mobile home courts or trailer parks shall be provided as individually metered service only unless specifically exempted by one or more of the provisions contained in Section 3 below.

Section 3. Exceptions

(a) Residential multiple occupancy buildings consisting of no more than two units, one of which is owner occupied, may be served by one master meter.

(b) The following multiple occupancy buildings or facilities may be served by master meter:

(i) hospitals
(ii) nursing or convalescent homes
(iii) transient hotels or motels
(iv) dormitories
(v) campgrounds
(vi) residential facilities of a transient nature

(c) Existing multiple occupancy buildings (construction of which commenced before June 13, 1980) which are presently receiving master metered electric service may continue to be served on a master metered basis.

(d) Master metered electric service provided for central heating or cooling systems, central ventilating systems or for central hot water heating systems.

(e) Service to multiple occupancy buildings constructed, owned or operated with funds appropriated through the U.S. Department of Housing and Urban Development, or any other federal or state government agency, shall be served by individual meters. If such individual metering requirement is inconsistent with regulations promulgated by such department or agency, service on a master metered basis is allowed.

(Continued)

(Continued)

RULES AND POLICIES FOR IMPLEMENTING
MASTER METERING RESTRICTIONS Rate 133

Section 4. Remodeling and Renovation

Where there is an existing multiple occupancy building receiving master metered electric service which is substantially remodeled or renovated for continued use as a multiple occupancy building, for which the physical labor for remodeling or renovation is begun after June 13, 1980, electric service to the units after completion of the remodeling or renovation shall be on an individual metered basis, unless the owner of such building demonstrates to the South Dakota Public Utilities Commission that such conversion would be impractical, uneconomical or unfeasible and the owner of such building provides the Company with written evidence of the South Dakota Public Utilities Commission decision.

Section 5. Owner or Operator Charge for Electric Service

Electric service to an existing master metered multiple occupancy building, if not otherwise prohibited by this tariff, shall be provided only upon condition that charges for electricity made by the owner or operator to each tenant or occupant shall be equal to each tenant's or occupant's pro rata share of the total amount charged to the owner or operator by the Company in proportion to the ratio of the total square foot floor area of each tenant or occupant's unit to the total square foot floor area of the building.

Section 6. Variation

Any variation from the above rules will only be made after the owner or operator provides evidence of South Dakota Public Utilities Commission approval of such variation.

All other rules and regulations of MDU which govern electrical service in South Dakota and which do not conflict with the provisions of this rule shall apply to electric service provided to new and existing buildings which are subject to this rule. The customer is responsible for ascertaining and complying with all applicable rules and regulations of any governmental authority having jurisdiction over the subject matter of this rule.

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. 3rd Revised Section No. 5
Cancelling 1st Revised Sheet No. 16
Sheet No. 16

RULES COVERING UTILITY SERVICES PERFORMED AFTER NORMAL BUSINESS HOURS Rate 135

For service requested by customers after the Company's normal business hours and on Saturday, Sunday, or legal holidays, a charge will be made for labor at standard overtime service rates and material at retail prices.

Customers requesting service after the Company's normal business hours will be informed of the after hour service rate and encouraged to have the service performed during normal business hours.

Date Filed: May 16, 1986 Effective Date: June 1, 1986

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C. Original — Section No. 5
Sheet No. 17
Cancelling _____ Sheet No. _____

ELECTRIC METER TEST BY CUSTOMER REQUEST Rate 136

N

Any customer may request the Company to test its electric meter. The Company shall make the test as soon as possible after receipt of the request. If a request is made within one year after a previous request, the Company may require a deposit as follows:

Meter Rating	Deposit Amount
Residential	
All	$10.00
Non-Residential	
1-Phase	$10.00
1-Phase Demand and Self-Contained 3-Phase	$20.00
All Other Polyphase	$30.00

The deposit shall be refunded only if the meter is found to have an unacceptable error, as defined in the Commission's regulations.

N

Date Filed: May 27, 1987 Effective Date: June 15, 1987

Issued By: C. Wayne Fox, Vice President - Regulatory Affairs

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
400 North Fourth Street
Bismarck, ND 58501

STATE OF SOUTH DAKOTA
ELECTRIC RATE SCHEDULE

SD P.U.C Section 5
Original Sheet No. 18
Canceling

INTERCONNECTION RESUIREMENTS FOR SMALL GENERATOR FACILITIES Rate 137 (N)

Refer to ARSD Chapter 20:10:36 for rules governing the interconnection of small generator facilities

Date Filed: August 19, 2009 Effective Date: Service rendered on and after September 15, 2009

Issued By: Donald R. Ball, Vice President - Regulatory Affairs

EL07-030