
COMPANY RULES AND REGULATIONS (FOR ALL CUSTOMERS)
(Continued from Sheet No. C-24.00)

C4. EMERGENCY ELECTRICAL PROCEDURES

C4.1. General

- A. Emergency electrical procedures may be necessary if there is a shortage in the electrical energy supply to meet the demands of customers in the electrical service area. It is recognized that such deficiencies can be short-term (a few hours) or long-term (more than a few hours) in duration; and, in view of the difference in nature between short and long-term deficiencies, different and appropriate procedures shall be adopted for each.
- B. Essential health and safety customers given special consideration in these procedures shall, insofar as the situation permits, include the following types of customers and such other customers or types of customers which the Commission may subsequently identify:
- (1) “Governmental Detention Institutions,” which will be limited to those facilities used for the detention of persons.
 - (2) “Fire Stations”, which will be limited to attended, publicly-owned facilities housing mobile fire fighting apparatus.
 - (3) “Hospitals,” which will be limited to institutions providing medical care to patients and where surgical procedures are performed.
 - (4) Life support equipment such as a kidney machine or respirator, used to sustain the life of a person.
 - (5) “Water Pumping Plants”, which will be limited to publicly-owned facilities essential to the supply of potable water to a community.
 - (6) “Sewage Plants,” which will be limited to publicly-owned facilities essential to the collection, treatment or disposal of a community’s sewage.
 - (7) Radio and television stations utilized for the transmittal of emergency messages and public information broadcasts related to these procedures.
- C. Although these types of customers will be given special consideration from the manual load shedding provisions of this procedure, they are encouraged to install emergency generation equipment if continuity of service is essential. It is known that some of the township fire departments in the more rural parts of Michigan have portable generation equipment available. Maximum use should be made of these facilities. In the case of customers supplied from two utility sources, only one source will be given special consideration. Other customers who, in their opinion, have critical equipment or circumstances, should install emergency battery or portable generating equipment.
- D. The Commission will be promptly advised of the nature, time and duration of all implemented emergency conditions and procedures which affect normal service to customers. The Commission may order the implementation of addition procedures or the termination of the procedures previously employed when circumstances so require.
- E. As may be appropriate in accordance with the nature of the occurring or anticipated emergency, the Company will initiate the following procedures (C4.2 to C4.5).

(Continued on Sheet No. C-26.00)

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COMPANY RULES AND REGULATIONS (FOR ALL CUSTOMERS)
(Continued from Sheet No. C-25.00)

C4.2. Sudden or Unanticipated Short-Term Capacity Shortage

In the event of a sudden decline of the frequency on the system or a sudden breakup which isolates all or parts of the system or power pool from other electric systems with which it is interconnected and which results in the area so isolated being deficient in electric generation, with consequent rapid decline in frequency.

Every effort will be made to maintain at least partial service to the system by means of predetermined load shedding of selected transmission and/or distribution circuits. The Company will make every reasonable effort to provide continuous service to essential health and safety customers.

C4.3. Anticipated or Predictable Short-Term Power Supply Capacity Shortages

- A. In the event an emergency condition of short-term duration is anticipated or experienced which cannot be relieved by sources of power supply within or outside the system, the following steps will be taken at the appropriate time and in the order appropriate to the situation:
- (1) The internal demand of substations, offices and other premises owned by the Company will be reduced to the largest extent consistent with the maintenance of service.
 - (2) Service will be interrupted to loads rendered service under Company interruptible tariffs.
 - (3) Voltage will be reduced not more than six percent.
 - (4) Voluntary load reductions will be requested of large commercial and industrial customers by procedures established in their respective load management plans.
 - (5) Voluntary load reductions will be requested of all other customers through appropriate media appeals.
 - (6) Load shedding of firm customer loads will be initiated. Service so interrupted shall be of selected distribution circuits throughout the Company area. Such interruptions shall be consistent with the criteria established for essential health and safety customers and will, insofar as practicable, be alternated among circuits. Records will be maintained to insure that during subsequent capacity shortages, service interruptions may be rotated throughout the Company service area in an equitable manner.

C4.4. Long-Term Capacity or Fuel Shortage

- A. The following actions will be implemented until it is determined by the Company energy suppliers that any or all actions may be terminated. The public will be immediately advised through appropriate media sources of the implementation of these procedures. If an emergency situation of long-term duration arises out of a long-term capacity or fuel shortage in the area which cannot be relieved by sources of generation within or outside the system, the following actions will be taken in the order noted as required:
- (1) Curtail use during hours of maximum system demand of non-essential energy on premises controlled by the Company including parking and large area lighting and interior lighting, except lighting required for security and safety, and other uses of energy both during and outside normal business hours.

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COMPANY RULES AND REGULATIONS (FOR ALL CUSTOMERS)
(Continued from Sheet No. C-26.00)

C4.4. Long-Term Capacity or Fuel Shortage (Contd)

- (2) Initiate voluntary energy curtailment during hours of maximum system demand of all customers by requesting, through mass communication media, voluntary curtailment by all customers of a minimum of ten percent of their electric use. This use will include lighting, air conditioning, heating, manufacturing processes, cooking, refrigeration, clothes washing and drying, and any other loads that can be curtailed or deferred to off peak hours.
 - (3) Implement procedures for interruption of selected distribution circuits during the period of maximum system demand on a rotational basis in accordance with specified load reduction amounts minimizing interruption to facilities which are essential to the public health and safety. The length of an interruption of any selected circuit should not exceed two hours and the total interruption should not exceed four hours in any 24-hour period without prior notification to the commission.
- B. If the above actions are made necessary because of a long-term fuel shortage, they will be continued in the order taken to maintain as nearly as possible a 30-day fuel supply.

C4.5. Emergency Procedures of Wholesale Suppliers

Where appropriate, the emergency procedures will be the same as those placed in effect by the Company's wholesale for resale energy supplier.

C5. SUPPLEMENTAL RESIDENTIAL STANDARDS AND BILLING PRACTICES

A. Equal monthly billing or budget billing

The following supplements the provisions of R 460.118.

- (1) Residential customers, commercial customers for which the primary purpose of the service is to provide for residential living, and customers on the small commercial Cg1 rate, regardless of whether their primary purpose is for residential living, may upon request and subject to the approval of the Company, have bills rendered under a budget billing basis.
- (2) At the time a customer applies for such billing and also at the completion of each plan year, the Company shall review the customer's usage during the past twelve months and calculate an annual bill based upon the current rates. The total will be divided by twelve to determine the monthly current budget payment. If a full year of experience has not occurred, the Company shall make an estimate of the monthly budget amount. The budget billing service year begins at the point the customer first signs up for budget billing. The budget billing amount is reviewed after six months. Customers may select a periodic plan option or a continuous plan option for budget billing.
- (3) Monthly billings shall be in equal amount for the twelve months of the plan unless changes in usage by the customer require adjustment to the monthly amount. ***The customer will choose either the periodic plan option or the continuous plan option.***

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