

SECTION 23
RESIDENTIAL LOAD CYCLING PROGRAM

I. PROGRAM DESCRIPTION

- A. Central Maine Power Company (the Company) will conduct a Residential Load Cycling Program by which it will interrupt or cycle electric service to residential water heaters to reduce capacity needs.
- B. This Program is available in areas specifically identified by the Company to residential customers who receive year-round electric service from the Company on Rate Schedule A or R. Load interruption or cycling under this Program is not available to customers who receive service under Rate Schedule A-TOU, A-LM, or R-TOU.
- C. This program will not be available to new Participants after June 5, 1991.

II. PROGRAM PARTICIPATION REQUIREMENTS

- A. A qualified Program Participant (Participant) is a customer of the Company who agrees to allow the Company to interrupt electric service to his or her water heater(s) in accordance with the terms of this Program.
- B. A Participant must be:
 - 1. A year-round residential customer of the Company who takes service under Rate Schedule A or R and who owns the premises that receives electric service and is subject to interruption or cycling; or
 - 2. A year-round residential customer of the Company who takes service under Rate Schedule A or R, who is a tenant in a unit of a residential building, and who has written approval from the owner allowing installation of the load cycling equipment; or

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I. PROGRAM PURPOSE AND GOALS

- A. Central Maine Power Company (the "Company") will conduct a Residential Load Cycling Program (the "Program") in order to reduce system capacity requirements, lower Company operating costs and provide Rate A-TOU customers the opportunity to shift their water heater energy usage for established time periods. The Program will allow the Company to interrupt electric service to residential water heaters and may provide financial incentives to Rate A and R customers.
- B. The Program will consist of three subgroups: the cycling of qualified A-TOU customers; the cycling of a select group of Rate A and Rate R customers for test marketing purposes; and the cycling of select residential customers in select areas of the Company's service territory for target marketing purposes.
- C. This Program will continue service to participants of this Program and the Residential Time-of-Use Load Cycling Program ("Energy Watcher Program") who began participating on or before the effective date of the Second Revision to this Program.

II. ELIGIBLE PROGRAM PARTICIPANTS

- A. An eligible Program participant (Participant) is:
 - 1. A year-round A-TOU customer who either owns or rents a residence that receives electric service in a geographic area where the serving substation has been equipped for load cycling and who is not an Existing Participant of the Energy Watcher Program ("Rate A-TOU Participant");
 - 2. A Company selected year-round Rate A or Rate R customer who either owns or rents a residence that receives electric service in a geographic area where the serving substation has been equipped for load cycling ("Test Market Participant"); or

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3. A Company selected Rate A, R, A-TOU, R-TOU or A-LM customer who owns or rents a residence that receives electric service in a geographic area where the serving substation has been equipped for load cycling ("Target Market Participant"). Also included in this group are customers who have year-round residential use and who are classified as a General Service customer as detailed in Term and Condition 4.8 (the connected load of the non-residential use is estimated to exceed 5000 watts). Cycling of a Target Marketing Participant will be done in an attempt to meet transmission or distribution system needs.
- B. EXISTING PARTICIPANTS are Participants of this Program or the Energy Watcher Program who began participating on or before the effective date of the Second Revision to this Program.
- C. NEW PARTICIPANTS are Participants in the Program after the effective date of the Second Revision to this Program.

III. PARTICIPANT REQUIREMENTS

- A. A Participant must agree to allow the Company to interrupt electric service to his or her water heater(s) in accordance with the terms of this Program.
- B. A Participant must have installed and operate without any alternative water heating system an electric resistance water heater with 240 volt thermostatically controlled elements of no greater than 5500 watts capacity each. If no external, aftermarket insulating wrap is in place, or if Company personnel determine that the existing wrap is inadequate and/or improperly installed, the Company will offer the Participant a wrap to be installed at no cost in accordance with Section 21 of these Terms and Conditions. The tank must have a capacity of not less than 30 gallons.
- C. A Participant's water heater must be installed in accordance with all applicable electric codes or must be brought into compliance with such codes. The Company, at its option, may assist the Participant in bringing his or her water heater installation into compliance.

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- D. A Participant may not have installed any secondary water heater control devices (such as clock timers) nor may he or she install any such devices during the period of participation in this Program.
- E. A Participant must notify the Company if he or she changes the use of the water heater so that it no longer meets the requirements of Subsections B through D above.
- F. A Participant must agree to cooperate with the Company in gathering data to monitor the equipment cycled as a result of this Program. The cooperation may include: allowing access to the premises after installation of the control device, providing reasonable data relating to program evaluation, and allowing installation of such equipment as may be necessary to collect electric use data.
- G. The Participant may terminate his or her involvement in the Program at any time.
- H. If a Participant is a tenant, he or she must have the approval of the owner for the installation of load cycling equipment and must provide evidence of such approval to the Company if so requested.

IV. SERVICE OPTIONS

- A. The following Service Options are available under this Program:

- 1. EMERGENCY INTERRUPTION

Service to a Participant's water heater may be interrupted at any time during any month of the year if the Company determines that an unanticipated system emergency exists which would inhibit the Company's ability to provide safe, economic and reliable electric service to its customers. The override may not restore power to the water heater when an interruption is made under this provision.

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2. TIMER OPTION

a. The following timer schedules may be available to Rate A-TOU and Test Market Participants. These options will routinely cycle a participant's water heater on and off for established time periods. The participant may choose one of the offered Load Cycling Timer (LCT) options listed below and may switch between options no more than twice a year. The Company may close availability of selected timer options to participants at any time.

1. LCT 4: Water heater is **on** from 5:00 a.m. to 7:00 a.m. and 2:00 p.m. to 4:00 p.m. (daily). (4 hours on/20 hours off)
2. LCT 6: Water heater is **on** from 2:00 a.m. to 4:00 a.m., 1:00 p.m. to 3:00 p.m. and 9:00 p.m. to 11:00 p.m. (daily). (6 hours on/18 hours off)
3. LCT 8: Water heater is **on** from 5:00 a.m. to 8:00 a.m., 2:00 p.m. to 5:00 p.m. and 8:00 p.m. to 10:00 p.m. (non-holiday weekdays) (8 hours on/16 hours off)
4. LCT PS: Water heater is **off** during the On-Peak and Shoulder hours as defined in Rate A-TOU
5. LCT P: Water heater is **off** during the On-Peak hours as defined in Rate A-TOU

b. At CMP's option, a Target Market Participant may be offered one or more of the Timer Options listed in IV(A)(2)(a) above.

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2. TIMER OPTION (continued)
 - c. The Company may offer, to Participants who select this option, an override which will allow the Participant to restore power to the cycled water heater for at least one hour.
3. CYCLING SERVICE
 - a. A Test Market or Target Market Participant may be offered, at the Company's option, and may select to have electric service to his or her water heater interrupted only on non-holiday weekdays. No single interruption will exceed 4 hours. Each interruption will be followed by a period of continuous service which is at least as long as the interruption it follows.
 - b. The Company may offer an override switch to Participants who select this option. This switch will allow the Participant to restore power to the cycled water heater for at least one hour during the period when the Company is conducting an interruption.

V. PARTICIPANT INCENTIVES

- A. Incentives for Existing Participants of the Residential Load Cycling Program
 1. For each water heater subject to cycling, the existing Participant will receive a monthly billing credit of \$2.00 in any month in which the existing Participant's water heater is cycled by the Company.
 2. The total billing credit shall not cause the monthly bill to be less than the minimum charge of the rate under which the Participant receives service.
- B. Rate A-TOU Participants will receive no financial incentive.

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VI. INSTALLATION AND INSPECTION OF EQUIPMENT

- A. The Company shall install and maintain the necessary load cycling equipment at no direct charge to the Participant.
- B. The Company may inspect, test, and perform maintenance on the load cycling equipment during normal business hours upon reasonable notification to the Participant.
- C. The Company shall approve the location of the device.

VII. OTHER

- A. The Company will offer the Bundle Up services available in T&C 21 at no charge to the Participant.

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