

ARKANSAS PUBLIC SERVICE COMMISSION

Original Sheet No. P10.1 Schedule Sheet 1 of 7

Replacing: Sheet No.

Entergy Arkansas, LLC
Name of Company

Kind of Service: Electric Class of Service: All

Docket No.: 18-073-TF
Order No.: 2
Effective: 2/1/19

Part IV. Policy Schedule No. 10

Title: Contingency Emergency Power Conservation and Curtailment Plan (EPCP)

PSC File Mark Only

10.0. CONTINGENCY EMERGENCY POWER CONSERVATION AND CURTAILMENT PLAN

10.1. DEFINITIONS

As used herein, "Company" shall mean Entergy Arkansas, LLC, "Plan" or "Curtailment Plan" shall mean the following rules and regulations, and "Commission" shall mean the Arkansas Public Service Commission.

10.2. APPLICABILITY

The provisions of this Policy Schedule No. 10., shall apply at any time, and for such periods of time, when in the judgment of the Company, it is necessary to reduce the use of electricity due to projected emergencies or dynamic emergencies as described below.

10.2.1. PROJECTED EMERGENCY

A projected emergency is any situation for which, in the near future, the projected system demand exceeds available generating capacity and purchased power. Capacity may not be available because of extended outages caused by the time needed to repair a failure in existing equipment, because of delays in construction of new generating facilities, because of unanticipated excessive peak load demands, or because of shortages or interruptions of the supply of fuels for electric generation. The action to be taken for projected emergencies is described in § 10.4.

10.2.2. DYNAMIC EMERGENCY

A dynamic emergency is any situation of such a severe nature that the automatic system protective and control equipment, coupled with manual operator intervention, cannot supply the load demand with available capacity within the time necessary to maintain the integrity of the bulk power facilities. These emergencies are generally caused by major system disturbances. The action to be taken for dynamic emergencies is described in § 10.5.

10.2.3. IMPLEMENTATION

This Plan will be implemented only after all feasible alternatives for obtaining the necessary power and energy from outside sources have been exhausted.

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10.3. SCOPE

The action plan has been formulated to reduce load and energy consumption throughout the Company's service area on an equitable basis and to continue providing for human needs and essential public services. The Region Vice President shall be the Company officer responsible for the formulation and implementation of this Plan and shall serve as the Company's designated representative to coordinate with other responsible parties in authorizing the implementation of applicable provisions of the Plan.

10.4. ACTION TO BE TAKEN FOR PROJECTED EMERGENCIES

10.4.1. CURTAILMENT DUE TO FUEL SHORTAGE

Serious shortages of fuel could conceivably require a reduction in load and total energy generated. Burn days as defined by the formula,

$$\text{Burn Days} = \frac{\text{Usable inventory of fuel at plant site (bbls)} \times \text{no. of days in month (days)}}{\text{Anticipated burn in month (bbls)}}$$

will be used as points at which to review the necessity for implementation of proposed action steps. Whenever it is determined that a fuel shortage is imminent, the steps will be performed in the order listed or possibly simultaneously depending on the nature and extent of the projected condition.

<u>Step</u>	<u>Burn Days</u>	<u>Action</u>
1	-	An internal Company procedure will be implemented at any time there is a national energy crisis to manually reduce energy use at all Company offices and other facilities to the maximum extent possible.
2	45	<ol style="list-style-type: none">a. Request industrial and commercial customers to voluntarily curtail power not essential to production, processing, or commercial services.b. Make public requests through radio, television, and other news media to all customers to voluntarily reduce electrical energy use to the maximum extent possible.

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<u>Step</u>	<u>Burn Days</u>	<u>Action</u>
		c. Request other electric systems served at wholesale by the Company to begin immediate implementation of their own conservation and curtailment plans among their respective retail customers to the extent necessary to be equivalent to the steps taken under this Plan.
3	30	a. Reduce distribution system voltage levels as practicable up to five (5) percent, when it is expected to be effective for load reduction. b. Request emergency oil allocation. c. Request industrial and commercial customers to cut back or reschedule production, processing, or commercial services to substantially reduce power consumption to minimum requirements necessary under the existing circumstances. Such requests shall be on a proportional or other equitable basis taking into consideration the necessity of minimizing equipment or product damage.
4	25	Buy Emergency power.
5	20	Request emergency gas.
6	15	Open selected circuits for short periods of time. If further or continued reduction is necessary, circuits to be opened would be alternated or rotated on a scheduled short-term basis. The circuits selected for this program do not serve critical customers, such as hospitals, water systems, sewer systems, military reprisal facilities, life-sustaining equipment, and other loads vital to public needs. Other circuits excluded, <u>if possible</u> , include those serving emergency shelters, Civil Defense control centers, communication facilities, governmental services, and essential Company operations facilities. During the winter season, preference will be given where possible to providing electrical service to residential customers.

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10.4.2. CURTAILMENT DUE TO CAPACITY SHORTAGE

Serious shortages of generation capacity and/or loss of generation units or bulk transmission greater than the available supply from operating generating units and from purchased power through system interconnections.

The following curtailment steps will be implemented in the order listed and as necessary to reduce system loads within the capability of available generation and interconnected system purchases. Every reasonable effort will be made to assure that electrical service is not interrupted to critical customers and other loads vital to human and public needs.

- | <u>Step</u> | <u>Action</u> |
|-------------|--|
| 1 | An internal Company procedure will be implemented during any time there is an anticipated or imminent generation shortage on the Entergy System and/or system interconnections. This procedure will manually reduce electric power usage at all Company offices and other facilities to the maximum extent possible. |
| 2 | Request municipal electric systems and other systems served at wholesale to start and run all operable generation and to reduce as much electric power use as possible at their offices and other facilities. |
| 3 | Make public requests through radio, television, and other news media to all customers to voluntarily reduce electric power use to the maximum extent possible. |
| 4 | Request municipal systems and other systems served at wholesale to begin immediate implementation of their own conservation and curtailment plans among their respective retail customers to the extent necessary to be equivalent to the steps taken under this Plan. |
| 5 | Reduce distribution system voltage levels as practicable up to five (5) percent, when it is expected to be effective for load reduction. |
| 6 | Ask industrial and commercial customers to curtail power not essential to production, processing, or commercial services in accord with pre-established schedules. |
| 7 | Implement the emergency provision of Company rate schedules to switch off any controlled loads covered under Controlled Service Rates. |

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- | <u>Step</u> | <u>Action</u> |
|-------------|--|
| 8 | Ask industrial and commercial customers to cut back or reschedule production, processing, or commercial services to substantially reduce power consumption to minimum requirements necessary under the existing circumstances. Such requests shall be on a proportional or other equitable basis taking into consideration the necessity of minimizing equipment or product damage. |
| 9 | Open selected circuits for short periods of time. If further or continued reduction is necessary, circuits to be opened would be alternated or rotated on a scheduled short-term basis. The circuits selected for this program do not serve critical customers, such as hospitals, life-sustaining equipment, water systems, sewer systems, military reprisal facilities, and other loads vital to public needs. Other circuits excluded, <u>if possible</u> , include those serving emergency shelter, Civil Defense control centers, communication facilities, governmental services, and essential Company operations facilities. During the winter season, preference will be given where possible to providing electrical service to residential customers. |

10.5. Action To Be Taken For Dynamic Emergencies

In the event of sudden unanticipated forced outages of major generating units or failure of major transmission facilities, it may be necessary to curtail loads until there is adequate generation capacity available to maintain frequency at 60 hertz and supply all load variation requirements. Under these conditions the following steps will be taken by the Transmission Dispatch Center Dispatchers at Pine Bluff upon the request of the Entergy System Operator:

- 10.5.1. Implement emergency provisions of applicable contracts and Company rate schedules to switch off interruptible loads and controlled loads covered under Controlled Service Rates.
- 10.5.2. Reduce distribution system voltage levels as practicable up to five (5) percent, when such reductions are expected to be effective for load reduction.
- 10.5.3. The Company has selected certain distribution circuits which will be opened by Supervisory Control. Opening of these circuits will be initiated to prevent operation of the under frequency relays as described in § 10.5.4., below and to prevent damage to other generation and interconnected system facilities. The criteria for selection of these circuits are the same as stated in § 10.4.2., Step 9. The circuits and loads to be shed are based on increments of load which the System Operator might require to be shed in order to maintain integrity of the system. The Company's share is approximately 30 percent of the total load to be shed.

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10.5.4. The Company has also equipped certain distribution circuits with under frequency relays which will open selected circuits when the system frequency drops below a predetermined level. Criteria for selection of these circuits are the same as stated in § 10.4.2., Step 9.

In the event distribution circuits are interrupted by the methods detailed in 10.5.3., and 10.5.4., above and these interruptions are anticipated to last for a substantial period of time, the Company will proceed in an orderly fashion to implement the curtailment steps detailed in § 10.4.2., "Curtailment Due to Capacity Shortage," until sufficient load has been shed to allow restoration of service to the affected circuits.

10.6. Compliance by Customers

In the event any customer, as set forth in § 10.4., and 10.5., above, who has been requested to reduce or reschedule use of power and energy, fails to comply with a request of a Company representative to do so pursuant to this Plan, the Company shall have the right to totally discontinue service to said customer without further notice during the period this Plan is in effect. Such discontinuance shall not be deemed a violation of law or the Rules and Regulations of the Commission, and the Company shall not be liable for penalties or damages, direct or indirect, by reason thereof; provided, however, that upon taking such action, the Company shall forthwith notify the Commission of the identity and location of the customer and the circumstances leading to such discontinuance.

10.7. SUPERSEDES OTHER COMPANY POLICIES AND RATE SCHEDULES

The foregoing Contingency Emergency Power Conservation and Curtailment Plan shall apply during any and all times and periods when implementation thereof is necessary in the judgment of the Company. During such times and periods, the terms and provisions hereof shall supersede any and all terms and provisions of any other rule, regulation, rate schedule, or service agreement which may be in conflict herewith.

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10.8. TERM OF APPLICATION OF THIS CONTINGENCY EMERGENCY POWER CONSERVATION AND CURTAILMENT PLAN

The Company will take such reasonable and prudent actions as are available to it to eliminate or reduce the extent and term of the application of this Plan. Whenever the need for curtailment no longer exists, the Company will initiate restoration of service to all parts of the system as quickly as possible in an orderly fashion.

10.9. REPORT TO COMMISSION

As soon as practicable after implementation of all or any part of this Plan, the Company shall report to the Commission in writing the significant details thereof, the customer classifications affected, the duration or anticipated duration thereof, and the estimated units of power and energy conserved or curtailed and expected to be conserved or curtailed. The Company shall notify the Federal Energy Regulatory Commission pursuant to FPC Order No. 331-1.