

JACKSON ENERGY COOPERATIVE CORPORATION  
PLAN AND PROCEDURES

EMERGENCY ENERGY CURTAILMENT PLAN

**Purpose:** To provide a plan and procedure for curtailing electric energy consumption on the Jackson Energy Cooperative Corporation Electrical System in the event of a severe energy shortage.

The intention of this program is to achieve maximum energy curtailment with minimum hindrance. Therefore, the following priority levels have been established.

1. Essential Life, Health and Safety Uses: Appendix A
2. Residential Use
3. Commercial and Industrial Use
4. Nonessential Uses: Appendix B
5. Interruptible Loads
6. Direct Load Control



**Procedures** - In the event the cooperative receives notice of a severe energy shortage from the power supplier(s), the following steps will be implemented. These steps will be carried out to the extent not prohibited by contractual commitments or by the order of the regulatory authorities having jurisdiction.

Jackson Energy Cooperative Corporation will initiate the following actions as listed by priority.

1. Coordinate and monitor all Direct Load Control actions initiated by the power supplier(s).
2. Coordinate and monitor all interruptions of Interruptible Loads initiated by the power supplier(s).
3. Initiate the cooperative's Emergency Voltage Reduction Procedure upon notification from the power supplier(s). [Appendix C]
4. Initiate media appeal for Voluntary Load Reduction Procedure upon notification from the power supplier(s). [Appendix D]
5. Initiate the Mandatory Load Reduction Plan upon notification from the power supplier(s). [Appendix E]
6. Initiate the Under Frequency Load Shedding Plan. [Appendix F]

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SECTION 9 (1)  
By: Stephanie Dumb  
Executive Director

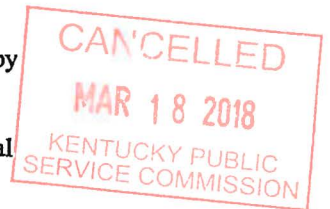
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PLAN AND PROCEDURES

APPENDIX A

Essential Life, Health and Safety Use's

Essential Life, Health and Safety Uses encumber such loads that require special consideration to ensure the Health and Safety of the public. The following identifies those types of uses as outlined in the Jackson Energy Cooperative Corporation "Priority List for Outages," such that the Commission may subsequently identify.

- A. Institutions such as Hospitals, Medical Clinics and Nursing Homes that provide medical care to patients.
- B. Life Support/Monitoring Equipment that is limited to equipment required by an individual to sustain life or health.
- C. Police Stations and Detention Institutions which shall be limited to essential uses required for police activities and detention of prisoner's.
- D. Fire Stations and EMS Facilities which will be limited to facilities housing life saving equipment and machinery.
- E. Communication Services which shall be limited to essential uses required for telephone, radio, early warning signal facilities and emergency service communication facilities.
- F. Transportation and Defense-related services which shall be limited to essential uses required for the operation of air, rail and mass transit systems, including those uses essential to the national defense and operation of state and local emergency service.



The above uses are organized and specifically identified by substation, feeder, and consumer on the "Priority List for Outages" and will be updated on an annual basis. Although these types of uses cover most common, Essential Life, Health and Safety Uses, the cooperative's management will ensure that special consideration is given to any establishment whose use deems essential to the preservation of Life, Health or Safety, when implementing the manual load-curtaiment procedure. In addition, all such consumers who in our opinion, have critical equipment, but fail to qualify under the above provisions, will be strongly encouraged to install emergency generation equipment.

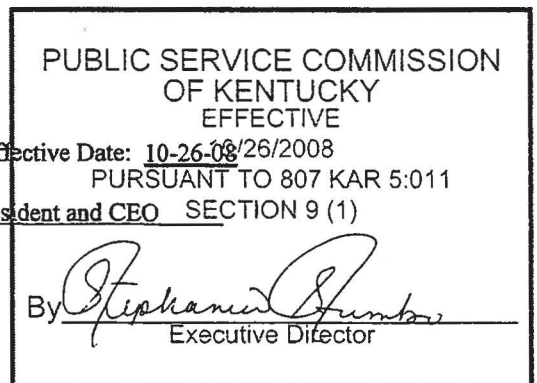
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**APPENDIX B**

**Nonessential Uses**

The following and similar types of electrical energy uses that the Commission may subsequently identify shall be considered nonessential for all consumers:

- A. Outdoor flood and advertising lighting, with the exception of lighting required to protect against Loss of Life and property.
- B. General lighting levels greater than required for minimum functional levels.
- C. General residential non-essential water heating and appliance use.
- D. Energy use above that required to maintain a temperature of not less than 76 degrees during operation of cooling equipment and a temperature of not more than 68 degrees during operation of heating equipment.
- E. Energy use not required for essential operation or safety within a facility.
- F. Energy use greater than that which the minimum is required for lighting, heating, or cooling of commercial or industrial facilities during non-business hours.

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APPENDIX C

Emergency Voltage Reduction Procedure

**Objective:**

To reduce selected voltage regulator set points so that system demand may be reduced during an electrical energy shortage without disrupting the continuity of service to consumers.

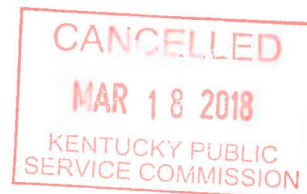
**Criteria:**

This procedure is implemented when requested by the power supplier(s) System Operator.

**Procedure:**

Upon notification from the power supplier(s) System Operator, Jackson Energy Cooperative Corporation dispatch personnel will immediately dispatch personnel to reduce regulator set points as outlined on the following sheet. All new set points will remain as set until the power supplier(s) System Operator warrants the condition final. After which, all voltage regulator settings are to be returned to initial set points.

Voltage Regulator set points shall be reviewed annually and updated as required. All set points are to be derived from system peak projections and arranged such that maximum load curtailment is achieved without violating minimum voltage requirements as prescribed by the Kentucky Public Service Commission.



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PLAN AND PROCEDURES

EMERGENCY VOLTAGE REDUCTION  
GUIDELINES

<u>Substation</u>	<u>Min Voltage Setting</u>	<u>% Voltage Reduction</u>	<u>kW Reduction</u>
Annville	122	1.61%	82
Beattyville	122	3.17%	283
Big Creek	122	3.17%	82
Booneville	122	3.17%	166
Brodhead	122	3.17%	251
Bush	122	3.17%	202
Campground	122	3.17%	354
Conway	122	3.17%	143
East Bernstadt	122	1.61%	141
Eberle	122	3.17%	151
Fall Rock	122	3.17%	203
Goose Rock	122	3.17%	198
Greenbriar	122	1.61%	134
Greenhall	122	3.17%	81
Hargett	122	3.17%	132
Keavy #1	122	3.17%	124
Keavy #2	122	3.17%	224
Laurel Industrial #1	122	3.17%	263
Laurel Industrial #2	122	3.17%	236
Maplesville	122	3.17%	176
Maretburg	122	3.17%	140
McKee	122	1.61%	89
Millers Creek	122	3.17%	121
Oneida	122	3.17%	101
Pine Grove #1	122	3.17%	163
Pine Grove #2	122	3.17%	148
Rice Station	122	3.17%	278
Sand Gap	122	3.17%	95
South Fork	122	3.17%	82
Three Links	122	3.17%	115
Tyner	122	3.17%	152
West London #1	122	3.17%	219
West London #2	122	3.17%	

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Total System Load  
Reduction

JEFF R. DEROUEN  
EXECUTIVE DIRECTOR

TARIFF BRANCH

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*Donald R. Shafer*

President and CEO

*Burt Kirtley*

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KENTUCKY PUBLIC SERVICE COMMISSION	
Total System Load Reduction	JEFF R. DEROUEN EXECUTIVE DIRECTOR
TARIFF BRANCH	
<i>Burt Kirtley</i>	
EFFECTIVE 2/27/2012	
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JACKSON ENERGY COOPERATIVE CORPORATION  
PLAN AND PROCEDURES



APPENDIX D

Voluntary Load Reduction Procedure

**Objective:**

To reduce demand on the cooperative system during an electrical energy shortage by appealing to consumers through media to curtail all non-essential energy use.

**Criteria:**

This procedure is to be implemented when requested by the power supplier(s) Marketing and Communications Division personnel.

**Procedure:**

Local radio stations are to be informed of the electrical energy shortage and asked to make the public service announcement recommended by the power supplier(s) personnel as follows:

**"Attention all Electric Users:**

Because of the extremely hot weather throughout the area, usage of electricity is nearing an all-time high in Kentucky. And because power is in short supply in many regions of the country, including Kentucky, the cost for electricity could be 50 times higher than normal if your electric cooperative has to buy power on the open market.

Jackson Energy Cooperative is requesting its members to raise air-conditioner thermostats and turn off all non-essential electrical appliances and lighting.

We need your help NOW until \_\_\_\_\_.

Thank you for your cooperation."

Notify the following industrial or large commercial consumers to request them to curtail their energy use as well:

<u>Company</u>	<u>Phone Number</u>
Renfro Valley	(606) 256-2664 or (606) 256-2638
Plasticware LLC	1-866-416-0676
Wal-Mart Distribution	(606) 877-4000 or (606) 877-4095
Manchester Federal Correctional Institute	(606) 598-1900 or (606) 599-4142
Laurel Grocery Co.	(606) 878-6601
ABC Automotive	(606) 878-2022

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Executive Director



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FOR ENTIRE SERVICE AREA  
 P.S.C. No. 5  
 2<sup>nd</sup> Revised Sheet No. 139  
 Canceling P.S.C. No. 5  
 1<sup>st</sup> Revised Sheet No. 139

**JACKSON ENERGY COOPERATIVE CORPORATION  
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**Cycle 3:**

<b>5%</b>	<b><u>Substation</u></b>	<b><u>Feeder Number and Description</u></b>	<b><u>MW Load Reduction</u></b>
	Brodhead	4 - Quail	3.62
	Bush	3 - Campground	3.32
	Brodhead	3 - Ottawa	2.31
	Bush	2 - Blackwater	2.95
	West London 1	5 - Parker	1.79
<b>Total MW reduction</b>			<b>13.99</b>

<b>10%</b>	<b><u>Substation</u></b>	<b><u>Feeder Number and Description</u></b>	<b><u>MW Load Reduction</u></b>
	Goose Rock	3 - Brightshade	2.3
	Goose Rock	4 - Schoolhouse	1.42
	Big Creek	3 - Flat Creek	2.12
	West London 1	1 - Jerry's Restaurant	1.92
	Rice Station	3 - Winston	5.73
<b>Total MW reduction</b>			<b>13.49</b>

<b>15%</b>	<b><u>Substation</u></b>	<b><u>Feeder Number and Description</u></b>	<b><u>MW Load Reduction</u></b>
	Rice Station	1 - Sand Hill	4.64
	Rice Station	2 - Station Camp	7.20
	Three Links	2 - Red Hill	1.86
<b>Total MW reduction</b>			<b>13.7</b>


<b>20%</b>	<b><u>Substation</u></b>	<b><u>Feeder Number and Description</u></b>	<b><u>MW Load Reduction</u></b>
	Maplesville	2 - Johnson Road	5.67
	McKee	2 - Gray Hawk	4.92
	Sand Gap	3 - Deer Stable	3.44
<b>Total MW reduction</b>			<b>14.03</b>

**Total Cycle 3 Load Reduction      55.21**

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 Donald R. Schaefer, President and CEO

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<b>JEFF R. DEROUEN          EXECUTIVE DIRECTOR</b>
TARIFF BRANCH 
EFFECTIVE <b>2/27/2012</b> <small>PURSUANT TO 807 KAR 5.011 SECTION 9 (1)</small>

FOR ENTIRE SERVICE AREA  
P.S.C. No. 5  
1<sup>ST</sup> Revised Sheet No. 139.1  
Canceling P.S.C. No. 5  
Original Sheet No. 139.1

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