FOR ENTIRE SERVICE AREA P.S.C. NO. 5 1<sup>st</sup> Revised Sheet No. 51 Cancelling P.S.C. NO. 5 Original Sheet No. 51

# JACKSON ENERGY COOPERATIVE CORPORATION SCHEDULE DSM - 1 DIRECT LOAD CONTROL PROGRAM - RESIDENTIAL

JUL 1 9 2013

KENTUCKY PUBLIC SERVICE COMMISSION

Availability

Available to the consumers for residential uses and will include the control of water heaters, air conditioners, heat pumps and pool pumps. Availability may be denied where, in the judgment of the Cooperative, installation of the load control equipment is impractical.

Purpose

The Direct Load Control Program will encourage the reduction in growth of peak demand, enabling East Kentucky Power Cooperative ("EKPC") to utilize its system more efficiently, manage market purchases and defer construction of new generation.

Eligibility

To qualify for this Program, the participant must have central air conditioning or heat pump units and/or 40 gallon (minimum) electric water heating units and/or pool pumps. The above appliances may be electrically cycled or interrupted in accordance with the rules of this Tariff. The participant may either own or rent the residence where the qualifying appliances are located. The residence may be either a single-family structure or a multi-family apartment facility. The participant is responsible for obtaining the permission of the owner of the rented residence to participate in the load control program. The Cooperative may require that a rental property agreement be executed between the Cooperative and the owner of the rented residence.

**Program Incentives** 

The Cooperative will provide an incentive to the participants in this program for the following appliances.

<u>Water Heaters.</u> The Cooperative will credit the residential power bill of the participant \$10.00 per water heater each year. The participant will receive this credit regardless of whether the water heater is actually controlled.

YOUTHER DAY ATTENDED OF AN ORDER OF	KENTUCKY PUBLIC SERVICE COMMISSION
ISSUED BY AUTHORITY OF AN ORDER OF COMMISSION OF KENTUCKY IN CASE NO.	DATES EFF R. DEROUEN
	DATE EXECUTIVE DIRECTOR
Date of Issue: January 4, 2012 Date Issued By: Jonel R. Lehn for President &	
V .	Bunt Kirtley
	EFFECTIVE
	2/8/2012
	PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 1<sup>st</sup> Revised Sheet No. 52 Cancelling P.S.C. NO. 5 Original Sheet No. 52

# JACKSON ENERGY COOPERATIVE CORPORATION SCHEDULE DSM - 1 DIRECT LOAD CONTROL PROGRAM - RESIDENTIAL

Air Conditioners and Heat Pumps. The Cooperative will credit the residential power bill of the participant \$20.00 per air conditioner (\$5 per summer months, June, July, August, and September).

<u>Pool Pumps.</u> The Cooperative will credit the residential power bill of the participant \$10.00 per pool pump per year. The participant will receive this credit regardless of whether the pool pump is actually controlled.

When the qualifying appliances are located in rental residences, program incentives will be paid to the participant, regardless of whether the participant owns or rents the residence where the qualifying appliances are located. Nothing contained in this Tariff will prohibit a further disposition of the program incentive between the participant and the owner of a rented residence.

# Time Period for Direct Load Control Program

<u>Water Heaters.</u> A load control switch will be placed on the water heater and may be electrically interrupted for a maximum time period of four hours.

The Cooperative will cycle the water heaters only during the hours listed below.

(T)

<u>Months</u> October through April

May through September

Hours Applicable for Demand Billing - EST

6:00 a.m. to 12:00 noon

4:00 p.m. to 10:00 p.m.

10:00 a.m. to 10:00 p.m.

JUL 1 9 2013

KENTUCKY PUBLIC SERVICE COMMISSION

ISSUED BY AUTHORITY OF AN ORDER OF COMMISSION OF KENTUCKY IN CASE NO.

Date of Issue: January 4, 2012 Date

Date Ef

RUBLIC SERVICE COMMISSION

DATEDIEFF R. DEROUEN
EXECUTIVE DIRECTOR
Date Effective: February 8, 2012

CEO

**EFFECTIVE** 

2/8/2012

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 1<sup>st</sup> Revised Sheet No. 53 Cancelling P.S.C. NO. 5 Original Sheet No. 53

# JACKSON ENERGY COOPERATIVE CORPORATION SCHEDULE DSM - 1 DIRECT LOAD CONTROL PROGRAM - RESIDENTIAL

Air-Conditioners and Heat Pumps

A load control device will be placed on each central air conditioning unit or heat pump that will allow the operating characteristics of the unit to be modified to reduce demand on the system. Communication to the load control device will be accomplished via the cooperative's AMI system.

(T).

(T)

The Cooperative will control the air conditioning units and heat pumps only during its summer on-peak billing hours listed below.

(T)

Months
May through September

Hours Applicable for Demand Billing – EST 10:00 a.m. to 10:00 p.m.

<u>Pool Pumps.</u> A load control switch will be placed on the pool pump and may be controlled for a four hour curtailment during on peak days May through September. In addition, there may be a 50 percent cycling for the ensuing 2 hour recovery period to prevent creating a new peak.

CANCELLED

JUL 1 9 2013

KENTUCKY PUBLIC SERVICE COMMISSION

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

ISSUED BY AUTHORITY OF AN ORDER OF COMMISSION OF KENTUCKY IN CASE NO.	THE PUBI <b>KENTSICKV</b> ICE
Date of Issue: January 4, 2012 Date I	Effective: February DEROUEN
Issued By: Orald Roberts President &	TARIFF BRANCH
	Bunt Kirtley
	2/8/201:2

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 1<sup>st</sup> Revised Sheet No. 54 Cancelling P.S.C. NO. 5 Original Sheet No. 54

# JACKSON ENERGY COOPERATIVE CORPORATION SCHEDULE DSM - 1 DIRECT LOAD CONTROL PROGRAM – RESIDENTIAL

# Terms and Conditions

- Prior to the installation of load control devices, the Cooperative may inspect
  the participant's electrical equipment to insure good repair and working
  condition, but the Cooperative shall not be responsible for the repair or
  maintenance of the electrical equipment.
- 2. EKPC, on behalf of the Cooperative, will install, own, and maintain the load management devices controlling the participant's air conditioner, heat pump or water heater. The participant must allow the Cooperative, or their representative, reasonable access to install, maintain, inspect, test, and remove load control devices. Inability of the Cooperative to gain access to the load management device to perform any of the above activities for a period exceeding 30 days may, at the Cooperative's option, result in discontinuance of credits under this tariff until such time as the Cooperative is able to gain the required access.
- Participants may join the program at any time during the year. Participants with water heaters and/or pool pumps will receive the first annual incentive within 12 months after the installation of the load control device. Participants with air conditioning or heat pump units who join during the months of June through September can select an incentive alternative as described in this Tariff. If the bill credit incentive is selected, bill credits will not begin until after the installation of the load control device and continue for the months remaining in the June to September time period for that year.

4. If a participant decides to withdraw from the program or change incentive alternatives, the Cooperative will endeavor to implement the change as soonANCELLED as possible.

5. If a participant decides to withdraw from the program, the participant may not UL 19 2013 apply to rejoin the program for a period of 6 months. Returning participants apply to rejoin the program for a period of 6 months. Returning participants of the ICE COMMISSION bill credit alternative, but may change alternatives later as described in this Tariff.

ISSUED BY AUTHORITY OF AN ORDER OF THE PRECURE COMMISSION

COMMISSION OF KENTUCKY IN CASE NO.

Date of Issue: January 4, 2012

President & CEO

EFFECTIVE

2/8/201;2

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 1<sup>st</sup> Revised Sheet No. 55 Cancelling P.S.C. NO. 5 Original Sheet No. 55

JUL 1 9 2013

# JACKSON ENERGY COOPERATIVE CORPORATION SCHEDULE DSM - 2 DIRECT LOAD CONTROL PROGRAM - COMMERCIAL

# Availability

Available to the consumers for commercial uses and will include the control of air conditioners and water heaters. Availability may be denied where, in the judgment of the Cooperative, installation of the load control equipment is impractical.

#### Purpose

The Direct Load Control Program will encourage the reduction in growth of peak demand, enabling East Kentucky Power Cooperative ("EKPC") to utilize its system more efficiently, manage market purchases and defer construction of new generation.

# **Eligibility**

To qualify for this Program, the participant must have a central air conditioning unit and/or 40 gallon (minimum) electric water heating unit. The above appliances may be electrically cycled or interrupted in accordance with the rules of this Tariff. The participant is responsible for obtaining the permission of the commercial property owner to participate in the load control program. The Cooperative may require that a rental property agreement be executed between the Cooperative and the owner of the rented commercial property.

**Program Incentives** 

The Cooperative will provide an incentive to the participants in this program for the OMMISSION following appliances.

Air Conditioners. The incentive will be based on the tonnage of the air conditioning unit. Units up to and including five tons will receive a monthly credit of \$5.00 per unit. Units over five tons will receive an additional monthly credit of \$1.00 per ton per unit. The Cooperative will credit the commercial power bill of the participant the applicable incentive credit during the months of June through September. The participant will receive the incentive regardless of whether the air conditioner is actually controlled during any prograce executive.

ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE COMMISSION

JEFF R. DEROUEN

EXECUTIVE DIRECTOR

THE PUBLIC SERVICE

DATED

TARIFF BRANCH

Date of Issue:

January 4, 2012

Date Effective:

President & CEO

EFFECTIVE

2/8/2012

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 1st Revised No. 56 Cancelling P.S.C. NO. 5 Original Sheet No. 56

# JACKSON ENERGY COOPERATIVE CORPORATION SCHEDULE DSM - 2 DIRECT LOAD CONTROL PROGRAM - COMMERCIAL

Water Heaters. The Cooperative will credit the commercial power bill of the participant \$10.00 per water heater each year. The participant will receive this credit regardless of whether the water heater is actually controlled.

# Time Period for Direct Load Control Program

# Air-Conditioners

A load control device will be placed on each central air conditioning unit that will allow the operating characteristics of the unit to be modified to reduce demand on the system. Communication to the load control device will be accomplished via the cooperative's AMI system.

The Cooperative will control the air conditioning units only during its summer on-peak (T) billing hours listed below.

Months May through September Hours Applicable for Demand Billing – EST 10:00 a.m. to 10:00 p.m.

Water Heaters. A load control switch will be placed on the water heater and may be electrically interrupted for a maximum time period of four hours.

The Cooperative will cycle the water heaters only during the hours listed below.

Hours Applicable for Demand Billing - ES 6:00 a.m. to 12:00 noon

THE

Months October through April

4:00 p.m. to 10:00 p.m. 10:00 a.m. to 10:00 p.m.

May through September

ISSUED BY AUTHORITY OF AN ORDER OF COMMISSION OF KENTUCKY IN CASE NO. Date Effective: Fe Date of Issue: January 4, 2012

TARIFF BRANCH DATED

President & CEO

2/8/2012

KENTUCKY PUBLIC SERVICE COMMISSION JEFF R. DEROUE N PARATIVESPERVICE

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 1<sup>st</sup> Revised Sheet No. 57 Cancelling P.S.C. NO. 5 Original Sheet No. 57

# JACKSON ENERGY COOPERATIVE CORPORATION SCHEDULE DSM - 2 DIRECT LOAD CONTROL PROGRAM – COMMERCIAL

# Terms and Conditions

1. Prior to the installation of load control devices, the Cooperative may inspect the participant's electrical equipment to insure good repair and working condition, but the Cooperative shall not be responsible for the repair or maintenance of the electrical equipment.

2. EKPC, on behalf of the Cooperative, will install, own, and maintain the load management devices controlling the participant's air conditioner or water heater. The participant must allow the Cooperative, or their representative, reasonable access to install, maintain, inspect, test, and remove load control devices. Inability of the Cooperative to gain access to the load management device to perform any of the above activities for a period exceeding 30 days may, at the Cooperative's option, result in discontinuance of credits under this tariff until such time as the Cooperative is able to gain the required access.

3. Participants may join the program at any time during the year. Participants with air conditioning who join during the months of June through September will receive bill credits beginning after the installation of the load control device and continuing for the months remaining in the June to September time period for that year. Participants with water heaters will receive the first annual incentive within 12 months after the installation of the load control device.

4. If a participant decides to withdraw from the program, the Cooperative will endeavor to implement the withdrawal as soon as possible. If a participant decides to withdraw from the program, the participant may not apply to rejoin the program for a period of 6 months.

CANCELLED

JUL 1 9 2013

KENTUCKY PUBLIC SERVICE COMMISSION

	SERVICE COMMISSION
• .	KENTUCKY PUBLIC SERVICE COMMISSION
ISSUED BY AUTHORITY OF AN ORDER OF	THE PARTITION OF THE PROPERTY OF
COMMISSION OF KENTUCKY IN CASE NO.	DATED TARIFF BRANCH .
	Effective: Fr 1
Issued By: North President &	CEO Bunt Kirtley
,	EFFECTIVE *
	2/8/2012
	PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Jackson Energy Cooperative Corporation

# COGENERATION AND SMALL POWER PRODUCTION POWER PURCHASE RATE SCHEDULE OVER 100 kW

# AVAILABILITY

Available only to qualified cogeneration or small power production facilities with a design capacity of over 100 kW which have executed a contract with Jackson Energy Cooperative Corporation and East Kentucky Power Cooperative, Inc. ("EKPC") for the purchase of electric power by EKPC.

# RATES

The rates set forth below shall be used as the basis for negotiating a final purchase rate with qualifying facilities pursuant to Section 7 of 807 KAR 5:054.

CANCELLED

1.013

1. Capacity

- a. \$84.47 per kW per year is applicable if cogenerator or small power producer is dispatched by EKPC.
- b. \$0.00964 per kWh is applicable if cogenerator or small power producer is not dispatched by EKPC. (1)
- 2. Energy A base payment per kWh is listed below for a time-differentiated basis or a non-time differentiated basis for the specified years.
  - a. Time Differentiated Rates:

		Winter		Sun	nmer	
Year	On-Pea	k Off-	-Peak	On-Peak	Off-Peak	
2012	\$0.0338	4 \$0.0	3183	\$0.03502	\$0.03029*	(1
2013	\$0.0370	4 \$0.0	3564	\$0.03791	\$0.03210	(I
2014	\$0.0409	0 \$0.0	3772	\$0.04121	\$0.03468	(1
2015	\$0.0436	0 \$0.0	3979	\$0.04446	\$0.03760	(1
2016	\$0.0458	4 \$0.0	)4075	\$0.04627	\$0.03668	Q
b. Non-Time Differentiated Rates:			KENTUCKY RVICE COMMISSION			
U. NOII-1	ime Differentiated	i Kaies.			F R. DEROUEN	
Year	2012	2013	<u>2014</u>	2015 <sub>T</sub> /	ARIER BRANG 2016	
Rate	\$0.03284	\$0.03588	\$0.03885	\$0.04154	7001270*	()
				Bu	nt Kirtley	

DATE OF ISSUE March 30, 2012

DATE EFFECTIVE June 1, 39122012

ISSUED BY TITLE President & CEO PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Issued by authority of an Order of the Public Service Commission of Kentucky in

Case No. 2008-00128 Dated August 20, 2008

Jackson Energy Cooperative Corporation

# COGENERATION AND SMALL POWER PRODUCTION POWER PURCHASE RATE SCHEDULE LESS THAN 100 kW

# AVAILABILITY

Available only to qualified cogeneration or small power production facilities with a design capacity of less than 100 kW which have executed a contract with Jackson Energy Cooperative Corporation and East Kentucky Power Cooperative, Inc. ("EKPC") for the purchase of electric CANCELLED power by EKPC.

# RATES

1. Capacity

- (I) a. \$84.47 per kW per year is applicable if cogenerator or small power producer is dispatched by EKPC.
- b. \$0.00964 per kWh is applicable if cogenerator or small power producer is not dispatched (I) by EKPC.
- 2. Energy A base payment per kWh is listed below for a time-differentiated basis or a nontime differentiated basis for the specified years.
  - a. Time Differentiated Rates:

	Wi	<u>nter</u>	Sun	nmer
Year	On-Peak	Off-Peak	On-Peak	Off-Peak
2012	\$0.03384	\$0.03183	\$0.03502	\$0.03029*
2013	\$0.03704	\$0.03564	\$0.03791	\$0.03210
2014	\$0.04090	\$0.03772	\$0.04121	\$0.03468
2015	\$0.04360	\$0.03979	\$0.04446	\$0.03760
2016	\$0.04584	\$0.04075	\$0.04627	\$0.03668

b. Non-T	ime Differentiated	Rates:		KENTUCKY PUBLIC SERVICE COMMISSION	
Year	2012	2013	2014	2015 F R. DERO 2016	
Rate	\$0.03284	\$0.03588	\$0.0388	\$0.64F\$4TIVE DIB694270*	(R) (
				-Bunt Kirtley-	
ATE OF ISS	UE <u>March 30, 2</u>	012	DATE EFFECT	TVE June 1, 2012 TIVE 6/1/2012	
SUED BY		TITL	F President & C	EOURSUANT TO 807 KAR 5:011 SECTION 9 (1)	

Issued by authority of an Order of the Public Service Commission of Kentucky in

Case No. 2008-00128 Dated August 20, 2008

P.S.C. No. 5 1<sup>st</sup> Revised Sheet No. 106 Canceling P.S.C. No. 5 Original Sheet No. 106

# RULES AND REGULATIONS

#### E. ELECTIRC BILLS

# 22. BILLING

Members will receive a statement for electric service once per billing period. The normal billing period is for approximately thirty (30) days. The statement will be for services rendered during the immediate past billing period.

All statements are due and payable upon receipt and shall be paid at the office of the Cooperative within (10) ten days from date of bill. Failure to receive billing statement will not release the member from payment obligation. Should the statement not be paid as above, the Cooperative may at any time thereafter, on a ten (10) days' notice to the member, discontinue service provided such service shall not be discontinued before twenty-seven (27) days after the mailing date of the original bill unless, prior to discontinuance, a residential customer presents to the utility a written certificate, signed by a physician, registered nurse, or public health officer, that such discontinuance will aggravate an existing illness or infirmity on the affected premises, in which case discontinuance may be effected not less than thirty (30) days from the date the utility notifies the customer, in writing, of state and federal programs which may be available to aid in payment of bills and the office to contact for such possible assistance.

#### 23. TAXES

The Cooperative shall add to the bills of all applicable consumers, the Kentucky Sales and Use Tax, any utility gross receipts license tax for schools or any other tax that may be imposed on the Cooperative that is measured or determined by sales or receipts.

#### 24. METER READING

The Automated Meter Infrastructure (AMI) system reads meters on a daily basis and updates in-home displays associated with Prepay metered accounts.

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#### UNPAID CHECKS FROM CONSUMERS

When the bank for any reason returns a check received in payment of a consumer's account unpaid, the Cooperative will notify such consumer by letter stating the amount of the check and the reason for its return and a charge of Eighteen Dollars (\$18.00) will be added to the member's account. Returned checks will be considered same as delinquent account, and if payment in full is not received for the check within ten (10) days after notice, service to such consumer will be discontinued provided such service shall not be discontinued before twenty-seven (27) days after the mailing date of the original bill which such returned check was intended to pay, as prescribed under that section of Rule 22 dealing with unpaid accounts.

Returned checks on Prepay accounts will be immediately debited back to the Customer's account along with the \$18.00 return check fee with corrected account balance adjusted and communicated to customer via the in-home display.

# 26. BILLING ADJUSTED TO STANDARD PERIODS

JEFF R. DEROUEN
In case of the first billing of a new account and the final billing of an account where the period experience by the billing is a fraction of a month, the demand charge and/or the energy used will be pregrated for proportional part of the billing period when computing such bills.

Date of Issue: 3-28-11
Issued By: Donald Charles President and CEO EFFECTIVE

5/1/20 1 1 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

KENTUCKY
PUBLIC SERVICE COMMISSION

MAR 0 9 2013

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P.S.C. No. 5 2<sup>nd</sup> Revised Sheet No. 117 Canceling P.S.C. No. 5 1<sup>st</sup> Revised Sheet No. 117

# **RULES AND REGULATIONS**

# SECONDARY UNDERGROUND DIFFERENTIAL COST 2010 Actual Work Completed

OVERHEAD		
COST	DISTANCE	
\$3,682.65	187	
\$770.20	50	
\$2,330.26	150	
\$859.82	132	
\$1,463.57	65	
\$1,466.95	134	
\$2,243.12	217	
\$1,912.88	62	
\$1,282.74	57	
\$1,233.62	84	Cost/ft
\$17,245.81	1,138	\$15.15
URD COST	DISTANCE	
\$868.82	100	
\$2,417.11	109	
\$3,317.50	182	CANCELLED
\$682.60	51	
\$854.23	110	MAY 2 0 2013
\$892.52	120	KENTUCKY PUBLIC SERVICE COMMISSION
\$1,072.58	35	SERVICE COMMISSION
\$1,304.64	115	
\$943.63	84	Cost/ft
\$12,353.63	906	\$13.64
	\$3,682.65 \$770.20 \$2,330.26 \$859.82 \$1,463.57 \$1,466.95 \$2,243.12 \$1,912.88 \$1,282.74 \$1,233.62 \$17,245.81 URD COST \$868.82 \$2,417.11 \$3,317.50 \$682.60 \$854.23 \$892.52 \$1,072.58 \$1,304.64 \$943.63	\$3,682.65 187 \$770.20 50 \$2,330.26 150 \$859.82 132 \$1,463.57 65 \$1,466.95 134 \$2,243.12 217 \$1,912.88 62 \$1,282.74 57 \$1,233.62 84 \$17,245.81 1,138  URD COST DISTANCE \$868.82 100 \$2,417.11 109 \$3,317.50 182 \$682.60 51 \$854.23 110 \$892.52 120 \$1,072.58 35 \$1,304.64 115 \$943.63 84

Underground Secondary Cost per Foot is \$1.51 Less Than Overhead Secondary Cost Per Foot.

	Therefore, there will be no ch	arge for installa	ation of
Underground		KENTUCKY PUBLIC SERVICE COMMISSION	
Secondary.	JEFF R. DEROUEN EXECUTIVE DIRECTOR		
Date of Issue: 0		Effective Date:	
Issued By:	Donald & Schaufer	President and C	EO Brent Kirtley
	0		EFFECTIVE
			5/1/2011 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

# **RULES AND REGULATIONS**

# PRIMARY UNDERGROUND DIFFERENTIAL COST 2010 Actual Work Completed

MONTH	OVERHEAD COST	DISTANCE	_
Feb-10	\$2,360.55	337	
Feb-10	\$11,304.38	295	
Mar-10	\$4,961.38	476	
Mar-10	\$5,221.23	250	
May-10	\$4,408.19	802	
May-10	\$9,886.65	768	
Jun-10	\$2,590.68	343	
Sep-10	\$4,098.22	268	
Sep-10	\$8,927.22	490	
Oct-10	\$7,861.53	465	
Dec-10	\$6,090.47	253	Cost/ft
TOTAL:	\$67,710.50	4,747	\$14.26
MONTH	URD COST	DISTANCE	_
Mar-10	\$3,578.60	277	
Mar-10	\$5,400.45	450	
Mar-10	\$5,839.47	201	
Jun-10	\$2,860.84	292	CANCELLED
Jun-10	\$1,984.17	109	
Jun-10	\$6,787.01	968	MAY 2 0 2013
Jun-10	\$12,256.83	790	KENTUCKY PUBLIC
Aug-10	\$17,634.73	1,047	SERVICE COMMISSION
Nov-10	\$5,340.42	232	Cost/ft
TOTAL:	\$61,682.52	4,366	\$14.13

Underground Primary Cost per Foot is \$0.13 Less Than Overhead Primary Cost Per Foot.

Therefore, there will be no charge for installation of Underground Primary.

Date of Issue: <u>03-28-11</u>	Effective Date: 05	KENTUCKY - 护护BLIC SERVICE COMMISSION	1
Issued By: Omal Ol Schaufu	President and CEO	JEFF R. DEROUEN EXECUTIVE DIRECTOR	
		TARIFF BRANCH	
	(	Bunt Kirtley	***************************************
		EFFECTIVE	
		5/1/2011	

For All Counties Served P.S.C. NO. 5 1<sup>st</sup> Revised Sheet No. 160 Cancelling P.S.C. No. 5 Original Sheet No. 160

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Jackson Energy Cooperative Corporation

# **Touchstone Energy Home Program**

#### **Purpose**

The Touchstone Energy Home Program ("Program") is a conservation program that encourages the sale of more energy-efficient homes. It is based on *Energy Star* standards for homes, a nationally recognized symbol of energy efficiency and quality developed and operated jointly by the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE).

# **Availability**

This program is available in all service territory served by Jackson Energy Cooperative Corporation.

# **Eligibility**

To qualify as a Touchstone Energy Home under this program, the participating home must be located in the service territory of Jackson Energy Cooperative Corporation and meet the *Energy Star* standards by including additional floor, wall and ceiling insulation, double pane windows and an electric heat pump.

#### Rebate

East Kentucky Power Corporation, Inc. ("EKPC") and Jackson Energy Cooperative Corporation will provide an incentive to retail customers to build or purchase a Touchstone Energy home. Jackson Energy Cooperative Corporation may elect to offer a rebate of up to \$250 for each participant. EKPC will match the rebate offer by the member system cooperative up to a maximum of \$250, resulting in a maximum rebate of \$500 for each participant. Rebates will be paid to each participant upon written certification that the newly constructed home has met the *Energy Star* standards.

# **Annual Reports**

Jackson Energy Cooperative Corporation, in coordination with East Kentucky Power Cooperative, Inc., will submit annual reports on the Program that contain the number of participants, the annual costs, including the costs of rebates, and the status of the rebate provision. Jackson Energy Cooperative Corporation, in coordination with EKPC, will file the first report by June 30, 2008, and annually thereafter. JAN 1 0 2013 Term The Touchstone Energy Home Program will remain in effect through 2012 NTIC lackson Energy be submitted to the Kentucky Public Service Commission for approval. JEFF R. DEROUEN EXECUTIVE DIRECTOR DATE OF ISSUE: January 24, 2012 DATE EFFECTIVE: March 1, 2012 ISSUED BY Onall Solve for TITLE President & CEO Issued by authority of an Order of the Public Service Commission of Kentu Case No. \_\_\_\_\_ Dated:

For All Counties Served P.S.C. NO. 5 1<sup>st</sup> Revised Sheet No. 161 Cancelling P.S.C. No. 5 Original Sheet No. 161

Jackson Energy Cooperative Corporation

#### **Touchstone Energy Manufactured Home Program**

# Purpose

The Touchstone Energy Manufactured Home Program is a conservation program that encourages the sale of more energy-efficient manufactured homes. It is based on the *Energy Star* standards for manufactured homes, a nationally recognized symbol of energy efficiency and quality developed and operated jointly by the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE).

### **Availability**

This program is available in all service territory served by Jackson Energy Cooperative Corporation (Jackson Energy).

### Eligibility

To qualify as a Touchstone Energy Manufactured Home under this program, the participating manufactured home must be located in the service territory of Jackson Energy and meet the Energy Star standards by including additional floor, wall and ceiling insulation, double pane windows and an electric LEI heat pump.

#### Rebate

Jackson Energy will provide an incentive to members who participate in this program by offering ICE COMMISSION a one-time rebate. Jackson Energy will rebate \$250 per certified manufactured home to the participating member. Rebates will be paid to the participant upon written certification that the participant has met the *Energy Star* standards for newly constructed manufactured homes.

For members who purchase a manufactured home which only includes a heat pump meeting Energy Star standards, Jackson Energy will rebate \$150. For members with inefficient electric heating systems, Jackson Energy will rebate \$150 for replacing their existing furnace with a heat pump that meets minimum Energy Star Standards.

### Annual Reports

Jackson Energy, in coordination with East Kentucky Power Cooperative, Inc. ("EKPC"), will submit annual reports on the Program that contain the number of participants from each Member System, the annual costs, including the costs of the rebates, and the status of the rebate provision. EKPC will file the first report by March 31, 2009, and annually thereafter.

<u>Term</u>	KENTUCKY PUBLIC SERVICE COMMISSION
The Touchstone Energy Manufactured Home Program will replace a should decide to continue the entire program	n beyond 2012; a revised fariff will be (1)
submitted to the Kentucky Public Service Commission for appro	
DATE OF ISSUE: January 24, 2012 DATE EFFECTIVE: Ma	arch 1, 2012 Bunt Kirtley
ISSUED BY Donald Colored TITLE President &	CEO EFFECTIVE * 3/1/2012
Issued by authority of an Order of the Public Service Compared No.  Dated:	

# **Button Up Weatherization Program**

#### Purpose

The button up weatherization program ("Program") is a program to encourage the members of Jackson Energy Cooperative Corporation ("Jackson Energy") to add insulation and/or energy efficient doors, windows, etc. to their existing homes. This program is a part of Jackson Energy's overall demand side management (DSM) effort. Adding insulation and using other weatherization techniques to reduce the heat and cooling losses of a home is economically beneficial for the member and is beneficial for the power supplier.

# Availability

This program is available in all service territory served by Jackson Energy Cooperative Corporation.

#### Eligibility

This program is designed primarily for single family stick built homes that use electricity as the primary fuel for whole house heating needs. However manufactured homes and multifamily housing may be eligible. The home is required to be a minimum of two years old.

#### Rebates

Jackson Energy will provide an incentive to members who participate in this program by offering a one time rebate equal to \$20 per 1,000 BTU reduction resulting from the addition of insulation and/or energy efficient doors, windows, etc. to their homes.

# Term

This program is contingent upon Jackson Energy's wholesale power supplier East Kentucky Power Cooperative being an active participant by supplying most if not all the funds used to pay the rebates.

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KENTUCKY PUBLIC SERVICE COMMISSION

	KENTUCKY PUBLIC SERVICE COMMISSION
	<b>JEFF R. DEROUEN</b> EXECUTIVE DIRECTOR
	TARIFF BRANCH
	Bunt Kirtley
DATE OF ISSUE: March 1, 2012 DATE EFFECTIVE: Feb	ruary 24, 2012 EFFECTIVE
ISSUED BY Donald Scharfer TITLE President	& CEO 2/24/2012  PURSUANT TO 807 KAR 5:011 SECTION 9 (1)
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Case No. 2011-00372 Dated: February	24, 2012 .

# Air Source Heat Pump Program

#### **Purpose**

The air source heat pump program ("Program") is a program to encourage the members of Jackson Energy Cooperative Corporation ("Jackson Energy") who are home owners, including manufactured homes, to make decisions to replace electric resistance heating equipment and to install a high efficiency air source heat pump.

# **Availability**

This program is available in all service territory served by Jackson Energy Cooperative Corporation.

#### **Eligibility**

This program is designed for single family homes that use electric resistance products as the primary heating source. The heating equipment must be a minimum of ten (10) years old. All accessible ducting is required to be sealed. The new heat pump in manufactured homes is required to be 13 SEER or higher, and in stick built homes 14 SEER or higher.

# Rebates

Jackson Energy will provide an incentive of \$500 to members who participate in this program.

# **Term**

This program is contingent upon Jackson Energy's wholesale power supplier East Kentucky Power Cooperative being an active participant by supplying most if not all the funds used to pay the rebates.

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KENTUCKY PUBLIC SERVICE COMMISSION

	KENTUCKY PUBLIC SERVICE COMMISSION
	JEFF R. DEROUEN EXECUTIVE DIRECTOR
	TARIFF BRANCH
	Bunt Kirtley
DATE OF ISSUE: March 1, 2012 DATE EFFEC	TIVE: February 24, 2012 EFFECTIVE
ISSUED BY Donald R Scharfu TITLE	President & CEO 2/24/2012  PURSUANT TO 807 KAR 5:011 SECTION 9 (1)
Issued by authority of an Order of the Public Se	ervice Commission of Kentucky in
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FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 170 Cancelling P.S.C. No. 4

#### JACKSON ENERGY COOPERATIVE CORPORATION

#### SCHEDULE NM - NET METERING

# AVAILABILITY OF NET METERING SERVICE

Net Metering is available to eligible member-generators in Jackson Energy Cooperative's service territory, upon request, and on a first-come, first-served basis up to a cumulative capacity of one percent (1%) of the Jackson Energy Cooperative's single hour peak load during the previous year. If the cumulative generating capacity of net metering systems reaches 1% of a supplier's single hour peak load during the previous year, upon Commission approval, Jackson Energy Cooperative's obligation to offer net metering to a new member-generator may be limited. An eligible member-generator shall mean a retail electric member of Jackson Energy Cooperative with a generating facility that:

- Generates electricity using solar energy, wind energy, biomass or biogas energy, or hydro energy;

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- 2) Has a rated capacity of not greater than thirty (30) kilowatts;
- 3) Is located on the member's premises;
- 4) Is owned and operated by the member;
- Is connected in parallel with Jackson Energy Cooperative's electric distribution system; and
- 6) Has the primary purpose of supplying all or part of the member's own electricity requirements.

At its sole discretion, Jackson Energy Cooperative may provide Net Metering to other membergenerators not meeting all the conditions listed above on a case-by-case basis.

# **METERING**

Jackson Energy Cooperative shall provide net metering services, without any cost to the Member for metering equipment, through a standard kilowatt-hour metering system capable of measuring the flow of electricity in two (2) directions. This provision does not relieve Member of his or her responsibility to pay metering costs embedded in the Jackson Energy Cooperative SE COMMISSION Commission-approved base rates. Net metered electricity shall be measured in section with standard metering practices established by Jackson Energy Cooperative using First Find VE

ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE COMPANSION OF

KENTUCKY IN CASE NO. 2008-00169 DATED January 3, 2009

Date of Issue: April 3, 2009

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ssued By: Donald Scharfu President & W Mach

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 171 Cancelling P.S.C. No. 4

#### JACKSON ENERGY COOPERATIVE CORPORATION

equipment capable of measuring and recording energy flows, on a kWh basis, from Jackson Energy Cooperative to the member-generator and from the member-generator to Jackson Energy Cooperative, with each directional energy flow recorded independently. If time-of-day or timeof-use metering is used, the electricity fed back to the electric grid by the member-generator shall be metered and accounted for at the specific time it is fed back to the electric grid in accordance with the time-of-day and time-of-use billing agreement currently in place.

Any additional meter, meters, or distribution upgrades needed to monitor the flow in each direction shall be installed at the Member's expense.

# **BILLING AND PAYMENT**

For charges collected on the basis of metered registration, Jackson Energy Cooperative shall, for each monthly billing period, determine the net meter registration of the member-generator by comparing the directional energy flow in each direction. If the net meter registration shows that the deliveries of energy in kWh from the member-generator to Jackson Energy Cooperative exceed the deliveries of energy in kWh from Jackson Energy Cooperative to the membergenerator, the net meter registration in kWh will be carried forward to the next monthly billing period as a Net Metering Credit, expressed in kWh. If the member-generators carried over a Net Metering Credit from one or more prior months, the net meter registration from the current month shall be added to the Net Metering Credit that exists from prior months.

If the net metering registration shows that deliveries of energy in kWh from Jackson Energy Cooperative to the member-generator exceed the deliveries of energy in kWh from the membergenerator to Jackson Energy Cooperative, the member-generator shall pay Jackson Energy Cooperative for the net amount of energy delivered by Jackson Energy Cooperative after application of any Net Metering Credit carried forward from previous months at the carried ED applicable to its type or class of electric service. SEP 0 4 2013

The member shall be responsible for payment of any applicable member charge or other UBLIC applicable charges.

SERVICE COMMISSION

At no time shall Jackson Energy Cooperative be required to	
cash. If a member-generator closes his account, no cash refur shall be paid.	PUBLIC SERVICE COMMISSION
Net Metering Credits are not transferable between members o	OF KENTUCKY
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0	* Executive Director

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 172 Cancelling P.S.C. No. 4

#### JACKSON ENERGY COOPERATIVE CORPORATION

# APPLICATION AND APPROVAL PROCESS

The Member shall submit an Application for Interconnection and Net Metering ("Application") and receive approval from Jackson Energy Cooperative prior to connecting the generator facility to Jackson Energy Cooperative's system.

Applications will be submitted by the Member and reviewed and processed by Jackson Energy Cooperative according to either Level 1 or Level 2 processes defined in this tariff.

Jackson Energy Cooperative may reject an Application for violations of any code, standard, or regulation related to reliability or safety; however, Jackson Energy Cooperative will work with the Member to resolve those issues to the extent practicable.

Members may contact Jackson Energy Cooperative to check on status of an Application or with questions prior to submitting an Application. Contact information is provided on the Application form and is listed on Jackson Energy Cooperative's website.

# LEVEL 1 AND LEVEL 2 DEFINITIONS

#### LEVEL 1

A Level 1 Application shall be used if the generating facility is inverter-based and is certified by a nationally recognized testing laboratory to meet the requirements of Underwriters Laboratories Standard 1741 "Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources" (UL 1741).

Jackson Energy Cooperative will approve the Level 1 Application if the generating facility, also meets all of the following conditions:

KENTUCKY PUBLIC SERVICE COMMISSION

1) For interconnection to a radial distribution circuit, the aggregated generation on the circuit, including the proposed generating facility, will not exceed 15% of the line section's most recent annual one hour peak load. A line section is the smallest part of the primary distribution system the generating facility could remain connected to after operation of any sectionalizing devices.

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ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE COMMUNICATION OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009 URSUANT TO 807 KAR 5:011

Date of Issue: April 3, 2009

President

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#### JACKSON ENERGY COOPERATIVE CORPORATION

- 2) If the proposed generating facility is to be interconnected on a single-phase shared secondary, the aggregate generation capacity, including the proposed generating facility, will not exceed the smaller of 20 kVA or the nameplate rating of the transformer.
- 3) If the proposed generating facility is single-phase and is to be interconnected on a center tap neutral of a 240 volt service, its addition shall not create an imbalance between the two sides of the 240 volt service of more than 20% of the nameplate rating of the service transformer.
- 4) If the generating facility is to be connected to three-phase, three wire primary Jackson Energy Cooperative distribution lines, the generator shall appear as a phase-to-phase connection at the primary Jackson Energy Cooperative distribution line.
- 5) If the generating facility is to be connected to three-phase, four wire primary Jackson Energy Cooperative distribution lines, the generator shall appear to the primary Jackson Energy Cooperative distribution line as an effectively grounded source.
- 6) The interconnection will not be on an area or spot network.
- 7) Jackson Energy Cooperative does not identify any violations of any applicable provisions of IEEE 1547, "Standard for Interconnecting Distributed Resources with Electric Power Systems."
- 8) No construction of facilities by Jackson Energy Cooperative on its own system will be required to accommodate the generating facility.

  SERVICE COMMISSION

If the generating facility does not meet all of the above listed criteria, Jackson Energy Cooperative, in its sole discretion, may either: 1) approve the generating facility under the Level 1 Application if Jackson Energy Cooperative determines that the generating facility can be safely and reliably connected to Jackson Energy Cooperative's system, or 2) deny the Application as submitted under the Level 1 Application.

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FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 174 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

Jackson Energy Cooperative shall notify the member within 20 business days whether the Application is approved or denied, based on the criteria provided in this section.

If the Application lacks complete information, Jackson Energy Cooperative shall notify the Member that additional information is required, including a list of such additional information. The time between notification and receipt of required additional information will add to the time to process the Application.

When approved, Jackson Energy Cooperative will indicate by signing the approval line on the Level 1 Application Form and returning it to the Member. The approval will be subject to successful completion of an initial installation inspection and witness test if required by Jackson Energy Cooperative. Jackson Energy Cooperative's approval section of the Application will indicate if an inspection and witness test are required. If so, the Member shall notify Jackson Energy Cooperative within 3 business days of completion of the generating facility installation and schedule an inspection and witness test with Jackson Energy Cooperative to occur within 10 business days of completion of the generator facility installation or as otherwise agreed to by Jackson Energy Cooperative and the Member. The Member may not operate the generating facility until successful completion of such inspection and witness test, unless Jackson Energy Cooperative expressly permits operational testing not to exceed two hours. If the installation fails the inspection or witness test due to non-compliance with any provision in the Application and Jackson Energy Cooperative approval, the Member shall not operate the generating facility until any and all non-compliance issues are corrected and re-inspected by Jackson Energy Cooperative.

If the Application is denied, Jackson Energy Cooperative will supply the Member with reasons for denial. The Member may resubmit under Level 2 if appropriate.

# LEVEL 2

A Level 2 Application is required under any of the following:

1) The generating facility is not inverter based;

2) The generating facility uses equipment that is not certified by a nationally recognized testing laboratory to meet the requirements of UL DE KENTUCKY

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#### JACKSON ENERGY COOPERATIVE CORPORATION

3) The generating facility does not meet one or more of the additional conditions under Level

Jackson Energy Cooperative will approve the Level 2 Application if the generating facility meets Jackson Energy Cooperative's technical interconnection requirements, which are based on IEEE 1547.

Jackson Energy Cooperative will process the Level 2 Application within 30 business days of receipt of a complete Application. Within that time Jackson Energy Cooperative will respond in one of the following ways:

- The Application is approved and Jackson Energy Cooperative will provide the Member with an Interconnection Agreement to sign.
- 2) If construction or other changes to Jackson Energy Cooperative's distribution system are required, the cost will be the responsibility of the Member. Jackson Energy Cooperative will give notice to the Member and offer to meet to discuss estimated costs and construction timeframe. Should the Member agree to pay for costs and proceed, Jackson Energy Cooperative will provide the Member with an Interconnection Agreement to sign within a reasonable time.
- The Application is denied. Jackson Energy Cooperative will supply the Member with reasons for denial and offer to meet to discuss possible changes that would result in Jackson Energy Cooperative approval. Member Amay ELLED resubmit Application with changes.

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If the Application lacks complete information, Jackson Energy Cooperative shall notify the KY PUBLIC Member that additional information is required, including a list of such additional information. The time between notification and receipt of required additional information will add to the 30-business-day target to process the Application.

The Interconnection Agreement will contain all the terms and conditions for interconnection consistent with those specified in this tariff, inspection and witness test requirements, description of and cost of construction or other changes to Lackson Energy MISSION Cooperative's distribution system required to accommodate the generating facilities which may include single three diagrams, relay settings, and a description of operation.

4/8/2009

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# JACKSON ENERGY COOPERATIVE CORPORATION

The Member may not operate the generating facility until an Interconnection Agreement is signed by the Member and Jackson Energy Cooperative and all necessary conditions stipulated in the agreement are met.

# APPLICATION, INSPECTION AND PROCESSING FEES

No application fees or other review, study, or inspection or witness test fees may be charged by Jackson Energy Cooperative for Level 1 Applications.

Jackson Energy Cooperative requires each Member to submit with each Level 2 Application a non-refundable application, inspection and processing fee of up to \$100 for Level 2 Applications. In the event Jackson Energy Cooperative determines an impact study is necessary with respect to a Level 2 Application, the Member shall be responsible for any reasonable costs up to \$1,000 for the initial impact study. Jackson Energy Cooperative shall provide documentation of the actual cost of the impact study. Any other studies requested by the Member shall be at the Member's sole expense.

# TERMS AND CONDITIONS FOR INTERCONNECTION

To interconnect to Jackson Energy Cooperative's distribution system, the Member's generating facility shall comply with the following terms and conditions:

Jackson Energy Cooperative shall provide the Member net metering services, without charge for standard metering equipment, through a standard kilowatt-hour metering system capable of measuring the flow of electricity in two (2) directions. If the Member requests any additional meter or meters or distribution upgrades are needed to monitor the flow in each direction sach CELLED installations shall be at the Member's expense.

The Member shall install, operate, and maintain, at Member's sole cost randucky PUBLIC expense, any control, protective, or other equipment on the Member's system required by Jackson Energy Cooperative's technical interconnection requirements based on IEEE 1547, the NEC, accredited testing laboratories such as Underwriters Laboratories, and the manufacturer's suggested practices such as Underwriters Laboratories, and the manufacturer's suggested practices of the safe, efficient and reliable operation of the generating facility in parallely of the safe, efficient and reliable operation of the generating facility in parallely of the safe, efficient and reliable operation of the generating facility in parallely of the safe, efficient and reliable operation of the generating facility in the safe of the

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President & C A 1/ O/

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#### JACKSON ENERGY COOPERATIVE CORPORATION

with Jackson Energy Cooperative's electric system. Member shall bear full responsibility for the installation, maintenance and safe operation of the generating facility. Upon reasonable request from Jackson Energy Cooperative, the Member shall demonstrate generating facility compliance.

- The generating facility shall comply with, and the Member shall represent and warrant its compliance with: (a) any applicable safety and power quality standards established by IEEE and accredited testing laboratories such as Underwriters Laboratories; (b) the NEC as may be revised from time to time; (c) Jackson Energy Cooperative's rules, regulations, and Service Regulations as contained in Jackson Energy Cooperative's Retail Electric Tariff as may be revised from time to time with the approval of the Kentucky Public Service Commission (Commission); (d) the rules and regulations of the Commission, as such rules and regulations may be revised from time to time by the Commission; and (e) all other applicable local, state, and federal codes and laws, as the same may be in effect from time to time. Where required by law, Member shall pass an electrical inspection of the generating facility by a local authority having jurisdiction over the installation.
- 4) Any changes or additions to Jackson Energy Cooperative's system required to accommodate the generating facility shall be considered excess facilities.

  Member shall agree to pay Jackson Energy Cooperative for actual Costs CELLED incurred for all such excess facilities prior to construction.

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- Member shall operate the generating facility in such a manner as not to CATISEUCKY PUBLIC undue fluctuations in voltage, intermittent load characteristics or otherwise interfere with the operation of Jackson Energy Cooperative's electric system. At all times when the generating facility is being operated in parallel with Jackson Energy Cooperative's electric system, Member shall operate the generating facility in such a manner that no adverse impacts will be produced thereby to the service quality rendered by Jackson Energy Cooperative to any of its other members or to any electric system interconnected with Jackson

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# JACKSON ENERGY COOPERATIVE CORPORATION

Energy Cooperative's electric system, Member shall agree that the interconnection and operation of the generating facility is secondary to, and shall not interfere with, Jackson Energy Cooperative's ability to meet its primary responsibility of furnishing reasonably adequate service to its members.

- 6) The Member shall be responsible for protecting, at Member's sole cost and expense, the generating facility from any condition or disturbance on Jackson Energy Cooperative's electric system, including, but not limited to, voltage sags or swells, system faults, outages, loss of a single phase of supply, equipment failures, and lightning or switching surges, except that Jackson Energy Cooperative shall be responsible for repair of damage caused to the generating facility resulting solely from the negligence or willful misconduct on the part of Jackson Energy Cooperative.
- 7) After initial installation, Jackson Energy Cooperative shall have the right to inspect and/or witness commissioning tests, as specified in the Level 1 or Level 2 Application and approval process. Following the initial testing and inspection of the generating facility and upon reasonable advance notice to the Member, Jackson Energy Cooperative shall have access at reasonable times to the generating facility to perform reasonable on-site inspections to verify that the installation, maintenance, and operation of the generating facility comply with the requirements of this tariff.
- For Level 1 and 2 generating facilities, an eligible Member shall furnish and No 8) install on the Member's side of the point of common coupling a safety disconnect switch which shall be capable of fully disconnecting the Members P energy generating equipment from Jackson Energy Cooperative's electrication service under the full rated conditions of the Member's generating facility ETheCE COMMISSION external disconnect switch (EDS) shall be located adjacent to Jackson Energy Cooperative's meters or the location of the EDS shall be noted by placing a sticker on the meter, and shall be of the visible break type in a metal enclosure which can be secured by a padlock. If the EDS is not located directly adjacent to the meter, the Member shall be responsible for ensuring that the location

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#### JACKSON ENERGY COOPERATIVE CORPORATION

the EDS is properly and legibly identified for so long as the generating facility is operational. The disconnect switch shall be accessible to Jackson Energy Cooperative personnel at all times. Jackson Energy Cooperative may waive the requirement for an EDS for a generating facility at its sole discretion, and on a case-by-case basis, upon review of the generating facility operating parameters and if permitted under Jackson Energy Cooperative's safety and operating protocols.

- 9) Jackson Energy Cooperative shall have the right and authority at Jackson Energy Cooperative's sole discretion to isolate the generating facility or require the Member to discontinue operation of the generating facility if Jackson Energy Cooperative believes that: (a) continued interconnection and parallel operation of the generating facility with Jackson Energy Cooperative's electric system may create or contribute to a system emergency on either Jackson Energy Cooperative's or the Member's electric system; (b) the generating facility is not in compliance with the requirements of this tariff, and the noncompliance adversely affects the safety, reliability, or power quality of Jackson Energy Cooperative's electric system; or (c) the generating facility interferes with the operation of Jackson Energy Cooperative's electric system. In non-emergency situations, Jackson Energy Cooperative shall give the Member notice of noncompliance including a description of the specific noncompliance condition and allow the Member a reasonable time to cure the noncompliance prior to isolating the generating facilities. In emergency situations, when Jackson Energy Cooperative is unable to immediately isolate or cause the Member to isolate only the generating facility, Jackson Energy Cooperative may isolate the Member's entire facility.
- The Member shall agree that, without the prior written permission from Jackson Energy Cooperative, no changes shall be made to the generating accommission facility as initially approved. Increases in generating facility capacity will require a new "Application for Interconnection and Net Metering" which will be evaluated on the same basis as any other new application. Repair and MISSION

OF KENTUCKY ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE CENTRY SION OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009. 4/8/2009

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President & CEO SECTION 9 (1)

Issued By: Donald R Scharfer

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KENTUCKY PUBLIC

replacement of existing generating facility components with like components that meet UL 1741 certification requirements for Level 1 facilities and not resulting in increases in generating facility capacity is allowed without approval.

11) To the extent permitted by law, the Member shall protect, indemnify, and hold harmless the Jackson Energy Cooperative and its directors, officers, employees, agents, representatives and contractors against and from all loss, claims, actions or suits, including costs and attorneys fees, for or on account of any injury or death of persons or damage to property caused by the Member or the Member's employees, agents, representatives and contractors in tampering with, repairing, maintaining, or operating the Member's generating facility or any related equipment or any facilities owned by Jackson Energy Cooperative except where such injury, death or damage was caused or contributed to by the fault or negligence of Jackson Energy Cooperative or its employees, agents, representatives, or contractors.

The liability of Jackson Energy Cooperative to the Member for injury to person and property shall be governed by the tariff(s) for the class of service under which the Member is taking service.

- 12) The Member shall maintain general liability insurance coverage (through a standard homeowner's, commercial, or other policy) for both Level 1 and Level 2 generating facilities. The Member shall, upon request, provide Jackson EllED Energy Cooperative with proof of such insurance at the time that application is made for net metering.
- 13) By entering into an Interconnection Agreement, or by inspection, if any vortegommission non-rejection, or by approval, or in any other way, Jackson Energy Cooperative does not give any warranty, express or implied, as to the adequacy, safety, compliance with applicable codes or requirements, or as to any other characteristics, of the generating facility equipment, controls, and protective relays and equipment.

PUBLIC SERVICE COMMISSION OF KENTUCKY
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Date Effective Section 9 (1)

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#### JACKSON ENERGY COOPERATIVE CORPORATION

- 14) A Member's generating facility is transferable to other persons or service locations only after notification to Jackson Energy Cooperative has been made and verification that the installation is in compliance with this tariff. Upon written notification that an approved generating facility is being transferred to another person, member, or location, Jackson Energy Cooperative will verify that the installation is in compliance with this tariff and provide written notification to the member(s) within 20 business days. If the installation is no longer in compliance with this tariff, Jackson Energy Cooperative will notify the Member in writing and list what must be done to place the facility in compliance.
- 15) The Member shall retain any and all Renewable Energy Credits (RECs) that may be generated by their generating facility.

# **EFFECTIVE TERM AND TERMINATION RIGHTS**

This Agreement becomes effective when executed by both parties and shall continue in effect until terminated. This Agreement may be terminated as follows: (a) Member may terminate this Agreement at any time by giving Jackson Energy Cooperative at least sixty (60) days' written notice; (b) Jackson Energy Cooperative may terminate upon failure by the Member to continue ongoing operation of the generating facility; (c) either party may terminate by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of the Agreement or the Rules or any rate schedule, tariff, regulation, contract, or policy of Jackson Energy Cooperative, so long as the notice specifies the basis for termination and there is opportunity to cure the default; (d) Jackson Energy Cooperative may terminate by giving the Member at least thirty (30) days notice in the event that there is a material change in an applicable law, regulation or statute affecting this Agreement or which renders the system out of compliance with the new law or statute.

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FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 182 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

# LEVEL 1

# Application for Interconnection and Net Metering

Use this application form only for a generating facility that is inverter based and certified by a nationally recognized testing laboratory to meet the requirements of UL1741.

Submit this Application to:

Jackson Energy Cooperative, 115 Jackson Energy Lane, McKee, KY 40447

If you have questions regarding this Application or its status, contact the Cooperative at:

Phone: 1-606-364-1000, Fax: 1-606-364-1015 Member Name: Account Number: Member Address: Member PhoneNo.: Member E-Mail Address: Project Contact Person: Phone No.: E-mail Address (Optional): Provide names and contact information for other contractors, installers, or engineering firms involved in the design and installation of the generating facilities: Wind Hydro Biogas Biomass Energy Source: Solar KENTUCKY PUBLIC SERVICE COMMISSION Inverter Manufacturer and Model #: Inverter Power Rating: \_\_\_\_\_ Inverter Voltage Rating: Power Rating of Energy Source (i.e., solar panels, wind turbine): Is Battery Storage Used: No Yes If Yes, Battery Power Rating SERVICE COMMISSION OF KENTUCKY EFFECTIVE ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE COMMISSION 11 OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009SECTION 9 (1) Date of Issue: April 3, 2009 2009 Presid

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# JACKSON ENERGY COOPERATIVE CORPORATION

Attach documentation showing that inverter is certified by a nationally recognized testing laboratory to meet the requirements of UL 1741.

Attach site drawing or sketch showing location of Cooperative's meter, energy source, Cooperative accessible disconnect switch and inverter.

Attach single line drawing showing all electrical equipment from the Cooperative's metering location to the energy source including switches, fuses, breakers, panels, transformers, inverters, energy source, wire size, equipment ratings, and transformer connections.

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PUBLIC SERVICE COMMISSION OF KENTUCKY ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE CO OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2000 KAR 5:011 Date of Issue: April 3, 2009

Issued By:

President

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 184 Cancelling P.S.C. No. 4

#### JACKSON ENERGY COOPERATIVE CORPORATION

#### TERMS AND CONDITIONS:

- 1) Jackson Energy Cooperative shall provide the Member net metering services, without charge for standard metering equipment, through a standard kilowatt-hour metering system capable of measuring the flow of electricity in two (2) directions. If the Member requests any additional meter or meters or distribution upgrades are needed to monitor the flow in each direction, such installations shall be at the Member's expense.
- 2) The Member shall install, operate, and maintain, at Member's sole cost and expense, any control, protective, or other equipment on the Member's system required by Jackson Energy Cooperative's technical interconnection requirements based on IEEE 1547, the NEC, accredited testing laboratories such as Underwriters Laboratories, and the manufacturer's suggested practices for safe, efficient and reliable operation of the generating facility in parallel with Jackson Energy Cooperative's electric system. The Member shall bear full responsibility for the installation, maintenance and safe operation of the generating facility. Upon reasonable request from Jackson Energy Cooperative, the Member shall demonstrate generating facility compliance.
- 3) The generating facility shall comply with, and the Member shall represent and warrant its compliance with: (a) any applicable safety and power quality standards established by SION IEEE and accredited testing laboratories such as Underwriters Laboratories; (b) the NEC as may be revised from time to time; (c) Jackson Energy Cooperative's rules, regulations, and Service Regulations as contained in Jackson Energy Cooperative's Retail Electric Tariff as may be revised from time to time with the approval of the Kentucky Public Service Commission (Commission); (d) the rules and regulations of the Commission, as such rules and regulations may be revised from time to time by the Commission; and (e) all other applicable local, state, and federal codes and laws, as the same may be in effect from time to time. Where required by law, Member shall pass an electrical inspection of the generating facility by a local authority having jurisdiction over the installation.

4) Any changes or additions to Jackson Energy Cooperative's system required to accommodate the generating facility shall be considered excess facilities. Member shall agree to pay Jackson Energy Cooperative for actual costs in current for letter such as SION facilities prior to construction. OF KENTUCKY **EFFECTIVE** 

ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE COMMESSION OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009 UANT TO 807 KAR 5:011 Date Fffactive. SECTION 9(1)

Date of Issue: April 3, 2009

Issued By:

President &

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 185 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

- 5) The Member shall operate the generating facility in such a manner as not to cause undue fluctuations in voltage, intermittent load characteristics or otherwise interfere with the operation of Jackson Energy Cooperative's electric system. At all times when the generating facility is being operated in parallel with Jackson Energy Cooperative's electric system, the Member shall operate the generating facility in such a manner that no adverse impacts will be produced thereby to the service quality rendered by Jackson Energy Cooperative to any of its other members or to any electric system interconnected with Jackson Energy Cooperative's electric system. The Member shall agree that the interconnection and operation of the generating facility is secondary to, and shall not interfere with, Jackson Energy Cooperative's ability to meet its primary responsibility of furnishing reasonably adequate service to its members.
- 6) The Member shall be responsible for protecting, at Member's sole cost and expense, the generating facility from any condition or disturbance on Jackson Energy Cooperative's electric system, including, but not limited to, voltage sags or swells, system faults, outages, loss of a single phase of supply, equipment failures, and lightning or switching surges, except that Jackson Energy Cooperative shall be responsible for repair of damage caused to the generating facility resulting solely from the negligence Or willful LED misconduct on the part of Jackson Energy Cooperative.
- 7) After initial installation, Jackson Energy Cooperative shall have the right toninspect public and/or witness commissioning tests, as specified in the Level 1 or Level CAPPICATION and approval process. Following the initial testing and inspection of the generating facility and upon reasonable advance notice to the Member, Jackson Energy Cooperative shall have access at reasonable times to the generating facility to perform reasonable onsite inspections to verify that the installation, maintenance, and operation of the generating facility comply with the requirements of this tariff.
- 8) For Level 1 and 2 generating facilities, an eligible Member shall furnish and install on the Member's side of the point of common coupling a safety disconnect switch which shall be capable of fully disconnecting the Member's energy generating equipment from Jackson Energy Cooperative's electric service under the full rated conditions of the Member's generating facility. The external disconnects witch (ED'S) shall be located

Manufacile and another facility. The automat discommend	
Member's generating facility. The external disconnect	Switch (ED'S) shall be located
	PUBLIC SERVICE COMMISSION OF KENTUCKY
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OF KENTUCKY IN CASE NO. 2008-00169 DATED Janu	
Date of Issue: April 3, 2009	ate Effective: April 8, 2009 AP 5:011
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	2 A Executive Director

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 186 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

adjacent to Jackson Energy Cooperative's meters or the location of the EDS shall be noted by placing a sticker on the meter, and shall be of the visible break type in a metal enclosure which can be secured by a padlock. If the EDS is not located directly adjacent to the meter, the Member shall be responsible for ensuring that the location of the EDS is properly and legibly identified for so long as the generating facility is operational. The disconnect switch shall be accessible to Jackson Energy Cooperative personnel at all times. Jackson Energy Cooperative may waive the requirement for an EDS for a generating facility at its sole discretion, and on a case-by-case basis, upon review of the generating facility operating parameters and if permitted under Jackson Energy Cooperative's safety and operating protocols.

- 9) Jackson Energy Cooperative shall have the right and authority at Jackson Energy Cooperative's sole discretion to isolate the generating facility or require the Member to discontinue operation of the generating facility if Jackson Energy Cooperative believes that: (a) continued interconnection and parallel operation of the generating facility with Jackson Energy Cooperative's electric system may create or contribute to a system emergency on either Jackson Energy Cooperative's or the Member's electric system; (b) the generating facility is not in compliance with the requirements of this tariff, and the noncompliance adversely affects the safety, reliability, or power quality of Jackson Energy Cooperative's electric system; or (c) the generating facility interferes with the operation of Jackson Energy Cooperative's electric system. In non-emergency situations, Jackson Energy Cooperative shall give the Member notice of noncompliance including a description of the specific noncompliance condition and allow the Member a reasonable time to cure the noncompliance prior to isolating the generating facilities. In emergency situations, when the Jackson Energy Cooperative is unable to immediately isolate or cause the Member to isolate only the generating facility, Jackson Energy Choperative ED may isolate the Member's entire facility. SEP 0 4 2013
- 10) The Member shall agree that, without the prior written permission from Jackson Brief BUBLIC Cooperative, no changes shall be made to the generating facility as initially approved.

  Increases in generating facility capacity will require a new "Application for Interconnection and Net Metering" which will be evaluated on the same basis as any other new application. Repair and replacement of existing generating facility components with like components that meet UL 1741 certification requirements for Unities ION and not resulting in increases in generating facility capacity is allowed without approval.

ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE COMMISSION
OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009 SECTION 3 (1)

Date of Issue: April 3, 2009
Issued By: Operald R Schauler

President & C 1

Executive Director

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 187 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

11) To the extent permitted by law, the Member shall protect, indemnify, and hold harmless Jackson Energy Cooperative and its directors, officers, employees, agents, representatives and contractors against and from all loss, claims, actions or suits, including costs and attorneys fees, for or on account of any injury or death of persons or damage to property caused by the Member or the Member's employees, agents, representatives and contractors in tampering with, repairing, maintaining, or operating the Member's generating facility or any related equipment or any facilities owned by Jackson Energy Cooperative except where such injury, death or damage was caused or contributed to by the fault or negligence of Jackson Energy Cooperative or its employees, agents, representatives, or contractors.

The liability of Jackson Energy Cooperative to the Member for injury to person and property shall be governed by the tariff(s) for the class of service under which the Member is taking service.

- 12) The Member shall maintain general liability insurance coverage (through a standard homeowner's, commercial, or other policy) for both Level 1 and Level 2 generating facilities. The Member shall, upon request, provide Jackson Energy Cooperative with proof of such insurance at the time that application is made for net metering.
- 13) By entering into an Interconnection Agreement, or by inspection, if any, or by nonrejection, or by approval, or in any other way, Jackson Energy Cooperative does not give any warranty, express or implied, as to the adequacy, safety, compliance with applicable codes or requirements, or as to any other characteristics, of the generating facility equipment, controls, and protective relays and equipment. SEP 0 4 2013
- 14) A Member's generating facility is transferable to other persons or service locations only MMISSION after notification to Jackson Energy Cooperative has been made and verification that the installation is in compliance with this tariff. Upon written notification that an approved generating facility is being transferred to another person, member, or location, Jackson Energy Cooperative will verify that the installation is in compliance with this tariff and provide written notification to the member(s) within 20 business days. If the installation is no longer in compliance with this tariff, Jackson Energy Cooperative will notify the Member in writing and list what must be done to place the facility in compliance MMISSION

OF KENTUCKY ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE COMPANION 4/8/2009 OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009 Date Effective! Date of Issue: April 3, 2009 President & CEO

Donald R So

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 188 Cancelling P.S.C. No. 4

#### JACKSON ENERGY COOPERATIVE CORPORATION

15) The Member shall retain any and all Renewable Energy Credits (RECs) that may be generated by their generating facility.

#### EFFECTIVE TERM AND TERMINATION RIGHTS

This Agreement becomes effective when executed by both parties and shall continue in effect until terminated. This Agreement may be terminated as follows: (a) The Member may terminate this Agreement at any time by giving Jackson Energy Cooperative at least sixty (60) days' written notice; (b) Jackson Energy Cooperative may terminate upon failure by the Member to continue ongoing operation of the generating facility; (c) either party may terminate by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of the Agreement or the Rules or any rate schedule, tariff, regulation, contract, or policy of Jackson Energy Cooperative, so long as the notice specifies the basis for termination and there is opportunity to cure the default; (d) Jackson Energy Cooperative may terminate by giving the Member at least thirty (30) days notice in the event that there is a material change in an applicable law, regulation or statute affecting this Agreement or which renders the system out of compliance with the new law or statute.

> CANCELLED SEP 0 4 2013 KENTUCKY PUBLIC SERVICE COMMISSION

PUBLIC SERVICE COMMISSION OF KENTUCKY

ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE CONTACTOR

OF KENTUCKY IN CASE NO. 2008-00169 DATED Jaruary 8, 2009

4/8/2009

Q897 KAR 5:011

Date of Issue: April 3, 2009

President & CEO

Date Effectiv

Issued By:

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 189 Cancelling P.S.C. No. 4

#### JACKSON ENERGY COOPERATIVE CORPORATION

I hereby certify that, to the best of my knowledge, all of the information provided in this Application is true, and I agree to abide by all the Terms and Conditions included in this Application for Interconnection and Net Metering and Jackson Energy Cooperative's Net Metering Tariff. Member Signature Date COOPERATIVE APPROVAL SECTION When signed below by a Cooperative representative, Application for Interconnection and Net Metering is approved subject to the provisions contained in this Application and as indicated below. Cooperative inspection and witness test: Required Waived If inspection and witness test is required, the Member shall notify the Cooperative within 3 business days of completion of the generating facility installation and schedule an inspection and witness test with the Cooperative to occur within 10 business days of completion of the generating facility installation or as otherwise agreed to by the Cooperative and the Member. Unless indicated below, the Member may not operate the generating facility until such inspection and witness test is successfully completed. Additionally, the Member may not operate the generating facility until all other terms and conditions in the Application have been met. Call Jackson Energy Cooperative at 1-606-364-1000 to schedule an inspection and witness test. Pre-Inspection operational testing not to exceed two hours: Allowed Not Allowed If inspection and witness test is waived, operation of the generating facility may begin when installation is complete, and all other terms and conditions in the Application have been met. CANCELLED Additions, Changes, or Clarifications to Application Information: SEP 0 4 2013 As specified here: KENTUCKY PUBLIC SERVICE COMMISSION Approved by: \_\_\_\_\_ Date: \_\_\_\_\_ PUBLIC SERVICE COMMISSION OF KENTUCKY **EFFECTIVE** 4/8/2009 ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE ANMISSION 5:011 SECTION 9 (1) OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009. Date of Issue: April 3, 2009

Issued By: Omald L Scharfu President & C Date 1

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 190 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

# LEVEL 2

# Application For Interconnection And Net Metering

Use this Application form when generating facility is not inverter-based or is not certified by a nationally recognized testing laboratory to meet the requirements of UL 1741 or does not meet any of the additional conditions under Level 1.

Submit this Application along with an application fee of \$100 to:

Jackson Energy Cooperative, 115 Jackson Energy Lane, McKee, KY 40447

Phone: 1-606-364-1000, Fax: 1-606-364-1015

If you have questions regarding this Application or its status, contact the Cooperative at:

Member Name: Account Number: Member Address: Project Contact Person: Phone No.: Email Address (Optional): Provide names and contact information for other contractors, installers, or engineering firms involved in the design and installation of the generating facilities: CANCELLED Total Generating Capacity of Generating Facility: SEP 0 4 2013 KENTUCKY PUBLIC Type of Generator: Inverter-Based Synchronous Induction SERVICE COMMISSION Hydro Power Source: Solar Wind Biogas **Biomass** Adequate documentation and information must be submitted WITH THE COMMISSION considered complete. Typically this should include the following: OF KENTUCKY **EFFECTIVE** ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE COMMISSION OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2008 SUANT TO 807 KAR 5:011 Date Effective SECTIONAND Date of Issue: April 3, 2009 President Issued By: Omald C

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 191 Cancelling P.S.C. No. 4

#### JACKSON ENERGY COOPERATIVE CORPORATION

- 1. Single-line diagram of the member's system showing all electrical equipment from the generator to the point of interconnection with the Cooperative's distribution system, including generators, transformers, switchgear, switches, breakers, fuses, voltage transformers, current transformers, wire sizes, equipment ratings, and transformer connections.
- 2. Control drawings for relays and breakers.
- 3. Site Plans showing the physical location of major equipment.
- 4. Relevant ratings of equipment. Transformer information should include capacity ratings, voltage ratings, winding arrangements, and impedance.
- 5. If protective relays are used, settings applicable to the interconnection protection. If programmable relays are used, a description of how the relay is programmed to operate as applicable to interconnection protection.
- 6. A description of how the generator system will be operated including all modes of operation.
- 7. For inverters, the manufacturer name, model number, and AC power rating. For certified inverters, attach documentation showing that inverter is certified by a nationally recognized testing laboratory to meet the requirements of UL1741.
- 8. For synchronous generators, manufacturer and model number, nameplate ratings, and impedance data (Xd, X'd, & X"d).
- For induction generators, manufacturer and model number, nameplate ratings, and locked rotor current.

Member Signature:	Date:	CANCELLED
Wieniber Signature.	Date.	SEP 0 4 2013
		KENTUCKY PUBLIC SERVICE COMMISSION

PUBLIC SERVICE COMMISSION
OF KENTUCKY

ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE COMMISSION
OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009.

Date of Issue: April 3, 2009
Date Effective: April 3, 2009
Date Effective: Section 9 (1)

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FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 192 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

# LEVEL 2 INTERCONNECTION AGREEMENT

THIS INTERCONNECTION AGREEMENT (Agreement) is made and entered into

this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, by and between \_\_\_\_

(Cooperative), and(Member). Cooperative and hereinafter sometimes referred to individually as "Party" or collectively as "Parties"	
notonicitor sometimos referred to individually as Tarty of concentrary as Tartes	•
WITNESSETH:	
WHEREAS, Member is installing, or has installed, generating equipment, protective relays and equipment (Generating Facility) used to interconnect and open with Cooperative's electric system, which Generating Facility is more fully described, attached hereto and incorporated herein by this Agreement, and as follows:	rate in parallel
Location:	
Generator Size and Type:	
NOW, THEREFORE, in consideration thereof, Member and Cooperative agree as	follows:
Cooperative agrees to allow the Member to interconnect and operate the Generative parallel with the Cooperative's electric system and the Member agrees to abide by Net Metering Tariff and all the Terms and Conditions listed in this Agreement additional conditions listed in Exhibit A.	Cooperative's including any LED SEP 0 4 2013
TERMS AND CONDITIONS:	KENTUCKY PUBLIC SERVICE COMMISSIO
1) Jackson Energy Cooperative shall provide the Member net metering service charge for standard metering equipment, through a standard kilowatt-best system capable of measuring the flow of electricity in two (2) directions. I requests any additional meter or meters or distribution upgrades are need the flow in each direction, such installations shall be at the Manuel Experience.  OF KEN	our metering If the Member ed to monitor COMMISSION TUCKY
OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009 Plate of Issue: April 3, 2009  Date of Issue: April 3, 2009	807 KAR 5:011
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FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 193 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

- 2) The Member shall install, operate, and maintain, at the Member's sole cost and expense, any control, protective, or other equipment on the Member's system required by Jackson Energy Cooperative's technical interconnection requirements based on IEEE 1547, the NEC, accredited testing laboratories such as Underwriters Laboratories, and the manufacturer's suggested practices for safe, efficient and reliable operation of the generating facility in parallel with Jackson Energy Cooperative's electric system. The Member shall bear full responsibility for the installation, maintenance and safe operation of the generating facility. Upon reasonable request from Jackson Energy Cooperative, the Member shall demonstrate generating facility compliance.
- 3) The generating facility shall comply with, and the Member shall represent and warrant its compliance with: (a) any applicable safety and power quality standards established by IEEE and accredited testing laboratories such as Underwriters Laboratories; (b) the NEC as may be revised from time to time; (c) Jackson Energy Cooperative's rules, regulations, and Service Regulations as contained in Jackson Energy Cooperative's Retail Electric Tariff as may be revised from time to time with the approval of the Kentucky Public Service Commission (Commission); (d) the rules and regulations of the Commission, as such rules and regulations may be revised from time to time by the Commission; and (e) all other applicable local, state, and federal codes and laws, as the same may be in effect from time to time. Where required by law, the Member shall pass an electrical inspection of the generating facility by a local authority having jurisdiction over the installation.
- 4) Any changes or additions to Jackson Energy Cooperative's system required to accommodate the generating facility shall be considered excess facilities. The Member shall agree to pay Jackson Energy Cooperative for actual costs incurred for all such ED excess facilities prior to construction.

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- fluctuations in voltage, intermittent load characteristics or otherwise intermittent load characteristics or otherwise

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OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009 SUANT TO 807 KAR 5:011
Date of Issue: April 3, 2009

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Issued By: Ornald & Adams. President & C 11 (1)

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FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 194 Cancelling P.S.C. No. 4

#### JACKSON ENERGY COOPERATIVE CORPORATION

with Jackson Energy Cooperative's electric system. The Member shall agree that the interconnection and operation of the generating facility is secondary to, and shall not interfere with, Jackson Energy Cooperative's ability to meet its primary responsibility of furnishing reasonably adequate service to its members.

- 6) The Member shall be responsible for protecting, at the Member's sole cost and expense, the generating facility from any condition or disturbance on Jackson Energy Cooperative's electric system, including, but not limited to, voltage sags or swells, system faults, outages, loss of a single phase of supply, equipment failures, and lightning or switching surges, except that Jackson Energy Cooperative shall be responsible for repair of damage caused to the generating facility resulting solely from the negligence or willful misconduct on the part of Jackson Energy Cooperative.
- 7) After initial installation, Jackson Energy Cooperative shall have the right to inspect and/or witness commissioning tests, as specified in the Level 1 or Level 2 Application and approval process. Following the initial testing and inspection of the generating facility and upon reasonable advance notice to the Member, Jackson Energy Cooperative shall have access at reasonable times to the generating facility to perform reasonable on site inspections to verify that the installation, maintenance, and operation of the generating facility comply with the requirements of this tariff.

  SEP 0 4 2013
- 8) For Level 1 and 2 generating facilities, an eligible Member shall furnish and install on the Member's side of the point of common coupling a safety disconnect switch which shall be capable of fully disconnecting the Member's energy generating equipment from Jackson Energy Cooperative's electric service under the full rated conditions of the Member's generating facility. The external disconnect switch (EDS) shall be located adjacent to Jackson Energy Cooperative's meters or the location of the EDS shall be noted by placing a sticker on the meter, and shall be of the visible break type in a metal enclosure which can be secured by a padlock. If the EDS is not located directly adjacent to the meter, the Member shall be responsible for ensuring that the location of the EDS is properly and legibly identified for so long as the generating facility is operational. The disconnect switch shall be accessible to Jackson Energy Cooperative personnel at all times. Jackson Energy Cooperative may waive the requirement for an EDS for a generating facility at its sole discretion, and on a case-by sage basis properly of the SSION.

OF KENTUCKY ISSUED BY AUTHORITY OF AN ORDER OF THE PUBLIC SERVICE CONTENTS OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009. 4/8/2009

Date of Issue: April 3, 2009

President & CEO

Date Effective

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ecutive Director

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 195 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

generating facility operating parameters and if permitted under Jackson Energy Cooperative's safety and operating protocols.

- 9) Jackson Energy Cooperative shall have the right and authority at Jackson Energy Cooperative's sole discretion to isolate the generating facility or require the Member to discontinue operation of the generating facility if Jackson Energy Cooperative believes that: (a) continued interconnection and parallel operation of the generating facility with Jackson Energy Cooperative's electric system may create or contribute to a system emergency on either Jackson Energy Cooperative's or the Member's electric system; (b) the generating facility is not in compliance with the requirements of this tariff, and the noncompliance adversely affects the safety, reliability, or power quality of Jackson Energy Cooperative's electric system; or (c) the generating facility interferes with the operation of Jackson Energy Cooperative's electric system. In non-emergency situations, Jackson Energy Cooperative shall give the Member notice of noncompliance including a description of the specific noncompliance condition and allow the Member a reasonable time to cure the noncompliance prior to isolating the generating facilities. In emergency situations, when Jackson Energy Cooperative is unable to immediately isolate or cause the Member to isolate only the generating facility, Jackson Energy Cooperative may CANCELLED isolate the Member's entire facility.
- 10) The Member shall agree that, without the prior written permission from Jackson Energy

  Cooperative, no changes shall be made to the generating facility as initially approved CCY PUBLIC
  Increases in generating facility capacity will require a new "Application for
  Interconnection and Net Metering" which will be evaluated on the same basis as any
  other new application. Repair and replacement of existing generating facility components
  with like components that meet UL 1741 certification requirements for Level 1 facilities
  and not resulting in increases in generating facility capacity is allowed without approval.

11) To the extent permitted by law, the Member shall protect, indemnify, and hold harmless Jackson Energy Cooperative and its directors, officers, employees, agents, representatives and contractors against and from all loss, claims, actions or suits, including costs and attorneys fees, for or on account of any injury or death of persons

PUBLIC SERVICE COMMISSION
OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009. EFFECTIVE
Date of Issue: April 3, 2009 Date Effective: April 8, 2009
Issued By: President & CEO PURSUANT TO 807 KAR 5:011
SECTION 9 (1)

By Executive Director

FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 196 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

or damage to property caused by the Member or the Member's employees, agents, representatives and contractors in tampering with, repairing, maintaining, or operating the Member's generating facility or any related equipment or any facilities owned by Jackson Energy Cooperative except where such injury, death or damage was caused or contributed to by the fault or negligence of the Jackson Energy Cooperative or its employees, agents, representatives, or contractors.

The liability of Jackson Energy Cooperative to the Member for injury to person and property shall be governed by the tariff(s) for the class of service under which the Member is taking service.

- 12) The Member shall maintain general liability insurance coverage (through a standard homeowner's, commercial, or other policy) for both Level 1 and Level 2 generating facilities. The Member shall, upon request, provide Jackson Energy Cooperative with proof of such insurance at the time that application is made for net metering.
- 13) By entering into an Interconnection Agreement, or by inspection, if any, or by non-rejection, or by approval, or in any other way, Jackson Energy Cooperative does not give any warranty, express or implied, as to the adequacy, safety, compliance with applicable codes or requirements, or as to any other characteristics, of the generating facility ELLED equipment, controls, and protective relays and equipment.
- 14) A Member's generating facility is transferable to other persons or service locations only after notification to the Jackson Energy Cooperative has been made and verification that on the installation is in compliance with this tariff. Upon written notification that an approved generating facility is being transferred to another person, member, or location, Jackson Energy Cooperative will verify that the installation is in compliance with this tariff and provide written notification to the member(s) within 20 business days. If the installation is no longer in compliance with this tariff, Jackson Energy Cooperative will notify the Member in writing and list what must be done to place the facility in compliance.

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OF KENTUCKY IN CASE NO. 2008-00169 DATED January 8, 2009. 4/8/2009	
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FOR ENTIRE SERVICE AREA P.S.C. NO. 5 Original Sheet No 197 Cancelling P.S.C. No. 4

# JACKSON ENERGY COOPERATIVE CORPORATION

#### EFFECTIVE TERM AND TERMINATION RIGHTS

This Agreement becomes effective when executed by both parties and shall continue in effect until terminated. This Agreement may be terminated as follows: (a) The Member may terminate this Agreement at any time by giving Jackson Energy Cooperative at least sixty (60) days' written notice; (b) Jackson Energy Cooperative may terminate upon failure by the Member to continue ongoing operation of the generating facility; (c) either party may terminate by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of the Agreement or the Rules or any rate schedule, tariff, regulation, contract, or policy of Jackson Energy Cooperative, so long as the notice specifies the basis for termination and there is opportunity to cure the default; (d) Jackson Energy Cooperative may terminate by giving the Member at least thirty (30) days notice in the event that there is a material change in an applicable law, regulation or statute affecting this Agreement or which renders the system out of compliance with the new law or statute.

IN WITNESS WHEREOF, the Parties have executed this Agreement, effective as of the date first above written.

A COURT CONTRACT	
MEMBER	SEP 0 4 2013
	KENTUCKY PUBLIC SERVICE COMMISSION
By:	
Printed Name	
Title:	
	JBLIC SERVICE COMMISSION OF KENTUCKY
8-00169 DATED January	
Date	EFFECTION 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Le President &	CEO SECTION 9 (1)
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	Printed Name  Title:  DRDER OF THE PUBLIC 18-00169 DATED January Date