

FEC -- Renewable Energy Member Packet

CHECKLIST

Name: _____ Account: _____

_____ Billing analysis reviewed with member/customer

_____ kW demand limit based on AMI 12 month average and kwh overproduction level

_____ Interconnection Application and Agreement -- Signed

- Site diagram submitted, reviewed and approved
- Interconnection point reviewed in field and approved

_____ Alternative Energy Purchase Program participation at minimum level **\$ 3.00**

_____ Service install and connection fee of **\$ 450** for metering of RE facility

_____ Incentive rate designation for billing _____ Date effective _____

_____ Certificate of Completion (needed for State of Iowa tax credit)

_____ State of Iowa Tax Credit Form filed

_____ Added value of solar modules to insurance policy

----- Office / Billing Reviewed -----

_____ Invoiced for service and connection fee

_____ Sent Rebate Check and State Tax Credit Form

_____ Verify \$ 3.00 Green Power charge on monthly billing

_____ Add Solar meter to monthly billing and set rate to _____

SEE ATTACHED AGREEMENT AND RATE FORMS

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Section 25. COGENERATION AND SMALL POWER PRODUCTION

25.1 Availability

This section shall apply to any qualifying alternate energy production facility within the Cooperative's assigned service area. An interconnection customer with electric generating equipment shall not connect it in parallel with the Cooperative's system without the prior consent of the Cooperative.

25.2 Definitions

"Avoided Costs" means the incremental costs to the Cooperative of electric energy or capacity or both which, but for the purchase from the qualifying facility, the Cooperative would generate itself or purchase from another source.

Unless otherwise defined herein, terms used shall have the same meaning as defined in 199 IAC 45.1.

25.3 Requirements for Interconnection

All facilities shall comply with all of the Cooperative's requirements of general rules for electric service as well as the specific provisions of this section.

25.3.1 Acceptable Standards

- A. The interconnection customer shall comply with acceptable standards for interconnection, safety, and operating reliability. Acceptable standards include the most current revisions of the following in order to be eligible for interconnection to the Cooperative's electric system:
 1. Standards for Interconnecting Distributed Resources with Electric Power Systems, ANSI/IEEE Standard 1547-2003
 2. Iowa Electrical Safety Code, as defined in 199 - Chapter 25.
 3. National Electrical Code, ANSI/NFPA 70-2008.
- B. The interconnection customer facility shall provide a switch with a visible break or opening. Both the operator of the qualifying facility and the Cooperative shall have access to the interconnection switch at all times.
- D. The interconnection customer will regularly inspect, maintain, and service the facility for safe and reliable operation.
- E. The interconnection customer shall indemnify and defend the Cooperative and its representatives against liability for any injuries or damages caused by the operation of the interconnection customer's equipment or by any failure of the interconnection customer to maintain such equipment in satisfactory or safe operating condition. The interconnection customer shall provide proof that they have a current homeowner insurance policy or other general liability policy.

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25.4 Prices

25.4.1 Prices for purchases by the member-consumer from the Cooperative

The member-consumer shall purchase electric power and energy from the Cooperative at the Cooperative's applicable price or rate, depending upon the member-consumer's operations and requirements.

25.4.2 Prices for purchases by the Cooperative from the interconnection customer

The Cooperative shall only provide and purchase energy under a Buy All - Sell All agreement for site based Alternate Energy Production Facilities owned by member-consumers.

Alternate energy production facilities with design capacity of 50 kW or less

Payment for purchases from the member-consumer shall be pursuant to tariff Section 28 Prices.

Alternate energy production facilities greater than 50 kW

Payment for purchases from qualifying Alternate Energy Production Facilities and with a design capacity above 50 kilowatts are available on a negotiated case-by-case basis with the Cooperative.

25.4.3 Renewable energy credits from the interconnection customer

Unless otherwise agreed to the Cooperative retains the right to all renewable energy credits from all Alternate Energy Production Facilities that are receiving any of the Cooperative's incentive rates. These credits shall be resold through the Cooperative's Alternate Energy Purchase Program.

A qualifying Alternate Energy Production Facilities that chooses to retain renewable energy credits shall be eligible to receive energy pricing equal to the Cooperative's avoided energy costs.

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APPLICATION FORM / INTERCONNECTION AGREEMENT

Customer Name: _____ Account No.: _____

Site Address: _____

Electrical Contractor: _____ Ph: _____

Description and metering point diagram: _____

Distributed Generation Facility Information

Generation Facility Nameplate Rating: _____(kW) _____(AC Volts)

Generation Type: Wind ____ Solar ____ Other _____

Expected Commissioning Test Date: _____

Identify type and location of disconnect switch: _____

Inverter Manufacturer: _____ Model: _____

Module Manufacturer: _____ Model: _____

Inverter is lab-certified as that term is defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation (199 IAC 45.1).

I hereby certify that: (1) I have read and understand the terms and conditions as outline in the Cooperatives tariff for cogeneration and small power production, and the Cooperatives **PRICE DESIGNATION for CONSUMER RENEWABLE ENERGY SALES** attached hereto by reference; (2) I hereby agree to comply with the attached terms and conditions; and (3) to the best of my knowledge, all of the information provided in this application request form is complete and true.

Applicant Signature: _____ Date: _____

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Acceptance for Interconnection Request (for cooperative use only)

Cooperative Signature: _____ Date: _____

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CERTIFICATE OF COMPLETION

To be completed and returned to the Cooperative when installation is complete and final electric inspector approval has been obtained

Customer Name : _____ Account No.: _____

Installed By: _____

Check if owner-installed

The interconnection member-consumer shall carry general liability insurance coverage, such as, but not limited to, standard homeowner's or business insurance. They are also advised to notify their insurance company of additional property value to cover potential property damage due to fire, wind, and hail.

Final Electric Inspection

The distributed generation facility is complete and has been approved by the local electric inspector having jurisdiction on: Date _____

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Acceptance and Final Approval for Interconnection (for cooperative use only)

The interconnection agreement is approved and the distributed generation facility is approved for interconnected operation upon the signing and return of this Certificate of Completion by Cooperative:

Witness Test? (Initial) Yes (____) No (____)

Cooperative Signature: _____ Date: _____

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PRICE DESIGNATION - J - CONSUMER RENEWABLE ENERGY SALES

Billing Rate Code: 2S6 (flat incentive input rate) – 2017

Availability:

Applicable to any qualified interconnected alternate energy production facility in the Cooperative's entire service area requiring 50 KVA or less of transformer capacity, subject to the established Rules and Regulations covering this type of service.

A separate utility meter at service meter grid-tie point is required for qualified alternate energy production facility.

Type of Service:

Single-Phase, 60 cycles, 120/240 volts.

Energy Credit: Monthly generated (G) KWH tracks monthly delivered (D) KWH in rate calculations.

monthly KWH	\$0.06	per KWH
KWH = IF G >= D THEN D ELSE G		

All other KWH	\$0.04	per KWH
KWH = IF G > D THEN (G - D) ELSE 0		

This rate shall be the minimum rate guaranteed for 5 years from the date of installation of qualified alternate energy production facility.

Electric Cost Adjustment: None

Tax: None

Renewable Energy: See Rider No. 3

Monthly Credits: The monthly credits are used to offset account charges and will carry forward monthly with any remaining account credit paid at calendar year end.

Minimum Monthly Charge: Minimum participation in the Alternate Energy Purchase Program is required to receive this rate.

Maximum System Size: RE System size shall be capped at the lesser of the following:

- Average peak demand over the previous 12 months and less than transformer/service capacity
- Estimated monthly KWH generated must be less than any monthly KWH usage in previous year

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29.1 ALTERNATE ENERGY PURCHASE PROGRAM

Statement of Purpose

Iowa Code §476.47 requires electric utilities to offer an alternate energy purchase program to customers beginning January 1, 2004. By Order issued August 29, 2003 in Docket No. RMU-03-8, the Iowa Utilities Board ("Board") adopted rules regarding said Alternate Energy Purchase Programs. Said rules require each electric utility, whether or not subject to rate regulation by the Board, to offer an alternate energy purchase program that allows customers to contribute voluntarily to the development of alternate energy in Iowa. An alternate energy purchase program is defined in the rules as a program that allows customers to contribute voluntarily to the development of alternate energy in Iowa. This Tariff offering is designed to comply with said rules and to permit the customers of Farmers Electric Cooperative to make contributions that will be utilized to assist in the development of alternate energy in Iowa.

Program Description

Farmers Electric Cooperative (FEC) will periodically notify all of its Customers of this Alternate Energy Purchase Program tariff. The following notice to each electric Customer will be made by bill insert:

"Any individual Customer of Farmers Electric Cooperative (FEC) may contribute an amount in increments of \$3.00 to promote our Green Power purchases. Customer contributions shall be included with monthly payments for electric service. A Customer shall designate their desire to participate on forms provided by FEC. FEC will utilize the contributed funds to purchase or generate Green Power, invest in Green Power projects, or contribute to the Iowa Energy Center or other Iowa organizations involved in Green Power development."

Customers who make Green Power contributions may not directly receive Green Power as part of their electric service from FEC, but will be supporting electricity generated from environmentally renewable fuel sources. Customers will be billed for total metered kWh deliveries under the normal applicable rate schedule.

Subject to operation or economic constraints, FEC may utilize contributions in total or in part to purchase or generate renewable energy.

Program Effective Date

This program shall become effective on January 1, 2009, and the January billing will include a form for customers to specify their intent to participate in the purchase of Green Power.

Eligibility

All customers in all customer classes shall be eligible to participate in this program.

Forms

The form on which Customers are to designate Green Power contributions is attached.