Dear Member:

Enclosed are the following materials concerning alternate energy generation:

- Alternative energy information sheet for member-consumers
- Application for operation of customer-owned generation
- Butler County REC’s tariff for cogeneration and small power production
- Application for participation in Butler County REC’s EnergyWise Renewables program
- Agreement for electric service and interconnection for small renewable facilities


If you have any questions, please contact me.

Yours truly,

Robert J. Bauman
CEO
ALTERNATIVE ENERGY INFORMATION
Facts for member-consumers of Butler County Rural Electric Cooperative (REC) prepared in cooperation with Corn Belt Power Cooperative and the Iowa Association of Electric Cooperatives.

You have requested information on interconnecting alternative generation to Butler County Rural Electric Cooperative’s (BCREC’s) (www.butlerrec.coop) system and the sale of any excess output to our power provider, Corn Belt Power Cooperative (Corn Belt) (www.cbpower.coop). Please note that we work closely with Corn Belt in order to meet necessary interconnection and power purchase requirements. We hope this information will be helpful as you make decisions on your alternative energy project.

Guiding principles

First and foremost, the cooperative will emphasize:
1. **Safety.** Taking all necessary precautions to ensure the safety of the cooperative’s employees.
2. **Reliability.** Performing necessary tasks to protect and maintain the reliability and integrity of the power grid.
3. **Cost Fairness.** Operating with fairness to other member-consumers of the cooperative from a cost causation point of view.

Member-consumer / cooperative responsibilities

First, you should know our obligation to interconnect and purchase power from your facility is dependent upon your facility being designated as a Qualifying Facility (QF). A QF is a defined term used to describe the type of facility that electric utilities must interconnect with and purchase power from pursuant to federal law. Please note that Federal Regulation 18 CFR 292.207(a)(ii) (www.gpoaccess.gov/cfr/index.html) requires you to self-certify your facility. Questions regarding self-certification and becoming a QF should be directed to the Federal Energy Regulatory Commission (FERC) (www.ferc.gov). Cooperative representatives are not involved in assisting members with filing documents with FERC or answering questions about the process of becoming a QF under FERC rules as defined in certain federal laws and regulations. Please note that under Federal Regulation 18 CFR 292.207(a)(ii) you must send a copy of your notice of self-certification, including FERC Form 556, to BCREC and the Iowa Utilities Board (IUB) (www.state.ia.us/iub).

Secondly, the QF is responsible to pay for all interconnection costs, as defined in the Federal regulations, necessary to attach the QF to BCREC’s existing delivery system. The QF may also be required to pay for any engineering studies that may be necessary to incorporate the QF into BCREC’s delivery system. Under federal and state regulations, interconnection costs include switching, metering, transmission, distribution, safety provisions and administrative costs incurred by the electric cooperative directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with a QF.

If your QF is large enough, it is likely that it will need to be interconnected directly to the electric transmission system of Corn Belt rather than the distribution system of BCREC. Any such interconnection will also necessitate design review by the Mid-Continent Area Power Pool (MAPP) (www.mapp.org) and may even necessitate the construction of a new substation. Prior to making any commitments on your proposed QF, we encourage you to investigate all interconnection requirements and costs, as they will undoubtedly impact the economic analysis relating to your proposed facility.
<table>
<thead>
<tr>
<th>Issue</th>
<th>Required</th>
<th>Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insurance</td>
<td>Yes</td>
<td>Member-consumer</td>
</tr>
<tr>
<td>Written Agreement</td>
<td>Yes</td>
<td>Cooperative &amp; Member-consumer</td>
</tr>
<tr>
<td>Interconnection</td>
<td>Yes</td>
<td>Cooperative &amp; Member-consumer</td>
</tr>
<tr>
<td>Interconnection Costs</td>
<td>Yes</td>
<td>Member-consumer</td>
</tr>
<tr>
<td>Inspection, Service, Maintenance</td>
<td>Yes</td>
<td>Member-consumer</td>
</tr>
<tr>
<td>Qualifying Facility (QF) Designation</td>
<td>Yes</td>
<td>Member-consumer</td>
</tr>
</tbody>
</table>

**Corn Belt Power and/or BCREC Purchases from the Member-Consumer**

Pursuant to the Joint Implementation Plan adopted by Corn Belt and its Member Cooperatives, Corn Belt will purchase power from any QF within the assigned service territory of BCREC. For those QFs with a design capacity of 100 kW or less, all available power will be purchased at the standard rates set forth in Corn Belt’s QF Rate Schedule. Corn Belt is only required to pay its avoided energy cost for this power. Presently, Corn Belt’s avoided energy cost is approximately 3.46 cents per kwh. Purchased power from a QF with a design capacity of greater than 100 kW will be determined on a case-by-case basis.

Some QFs may also be interested in obtaining payment for the capacity they provide to Corn Belt. In order to be eligible for any capacity payment, the QF must have its available capacity demonstrated and certified under relevant MAPP rules and regulations. If the capacity is accredited by MAPP, Corn Belt would be in a position to pay the appropriate capacity payment in addition to the avoided energy cost payment. Any cost associated with obtaining MAPP accreditation will be the responsibility of the QF. We recommend that you consult with your equipment manufacturer about MAPP certification.

**Information Required by Corn Belt Power and/or BCREC**

In order to evaluate what type of interconnection facilities will be required for your QF, BCREC requests that you provide us with information concerning your proposed facility. An application form is attached. Please complete with as much information as possible. Additional information may be requested, and depending on the size of the QF, a system impact study may also be required. Completion of the enclosed application will allow BCREC to better evaluate your needs and facilitate a safe, reliable and fair connection of your QF to our existing delivery system.

Additional information regarding alternative generation and interconnection may be obtained from any number of industry web sites and sources. However, keep in mind that what is mandated in one state may not be applicable in Iowa and what may be required of one type of utility may not be required of BCREC. This information is intended as a summary of BCREC’s alternative energy procedures and not a legal contract. I encourage you to contact me if you have additional questions.

**For more information contact:**

Robert Bauman, CEO
Butler County Rural Electric Cooperative (BCREC)
521 North Main, P.O. Box 98, Allison, IA 50602
Phone: (319) 267-2726 or toll free 1 (888) 267-2726
Fax: (319) 267-2566
E-mail: rjbauman@butlerrec.coop
Web: www.butlerrec.coop
BUTLER COUNTY RURAL ELECTRIC COOPERATIVE
Application for Operation of
Customer-Owned Generation

This application should be completed as soon as possible and returned to Butler County Rural Electric Cooperative in order to begin processing the request. Submission of this Application shall not constitute approval of your interconnection or constitute an agreement on the part of the Cooperative. A separate agreement will be required once the application has been approved.

INFORMATION: This application is used by the Cooperative to determine the required equipment configuration for the Customer interface. Every effort should be made to supply as much information as possible. It may be necessary for the Cooperative to share this information with its consultants and there should be no expectation of privacy or confidentiality concerning the information provided on this form. If this is a concern for the applicant, please contact the Cooperative in advance.

PART 1
OWNER/APPLICANT INFORMATION

Company/Owner: ________________________________________________________________
Mailing Address: ________________________________________________________________
City: __________________ County: __________ State: ________ Zip Code: ____________
Phone Number: ___________________________ Representative: _______________________

Generator 911 Address: ___________________________ Generator Map Location Number: _______________________

PROJECT DESIGN/ENGINEERING (ARCHITECT) (as applicable)

Company: ________________________________________________________________
Mailing Address: ________________________________________________________________
City: __________________ County: __________ State: ________ Zip Code: ____________
Phone Number: ___________________________ Representative: _______________________

ELECTRICAL CONTRACTOR (as applicable)

Company: ________________________________________________________________
Mailing Address: ________________________________________________________________
City: __________________ County: __________ State: ________ Zip Code: ____________
Phone Number: ___________________________ Representative: _______________________

TYPE OF GENERATOR (as applicable)

Photovoltaic ______________ Wind ______________ Microturbine ______________
Diesel Engine ______________ Gas Engine ______________ Turbine ______________

Other ______________________________________________________________________
ESTIMATED LOAD, GENERATOR RATING AND MODE OF OPERATION INFORMATION

The following information will be used to help properly design the Cooperative customer interconnection. This information is not intended as a commitment or contract for billing purposes.

Total Site Load _________ (kW)
Residential ___________________ Commercial ____________________ Industrial_____
Generator Rating _________ (kW) Annual Estimated Generation _______ (kWh)
Mode of Operation
Isolated _________________ Paralleling _________ Power Export ____________

DESCRIPTION OF PROPOSED INSTALLATION AND OPERATION

Give a general description of the proposed installation, including a detailed description of its planned location and when you plan to operate the generator.

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

PART 2

(Complete all applicable items. Copy this page as required for additional generators)

SYNCHRONOUS GENERATOR DATA
Unit Number: ___________ Total number of units with listed specifications on site: ___________
Manufacturer: ___________________ Date of manufacture: ___________________
Type: ___________________ Phases: Single Three R.P.M.: ___________________ Frequency (Hz):
Serial Number (each):
Rated Output (for one unit): _________________ Kilowatt ____________________ Kilovolt-Ampere
Rated Power Factor (%): _________ Rated Voltage (Volts): ___________________ Rated Amperes:
Field Volts: ___________________ Field Amps: ___________________ Motoring power (kW):
Synchronous Reactance (Xd): _________________ % on ___________________ KVA base
Transient Reactance (X’d): _________________ % on ___________________ KVA base
Subtransient Reactance (X”d): _________________ % on ___________________ KVA base
Negative Sequence Reactance (Xs): _________________ % on ___________________ KVA base
Zero Sequence Reactance (Xo): _________________ % on ___________________ KVA base
KV Base:__________________
Neutral Grounding Resistor (if applicable): ___________________

I^2t or K (heating time constant): ___________________
Additional information: ___________________________________________________
Transformer Neutral Grounding Resistor (if applicable): Transformer Reactance (X): Transformer Resistance (R):

Impedance: Tertiary Voltage: Low Voltage: High Voltage:

Reactive Power Required: Vars (no load), Vars (full load)

Rotating Inertia (H): Per Unit of KVA Base

\[ I_2^t \text{ or } K \text{ (Heating Time Constant):} \]

Additional information:

---

**INDUCTION GENERATOR DATA**

<table>
<thead>
<tr>
<th>Rotor Resistance (Rr):</th>
<th>ohms</th>
<th>Stator Resistance (Rs):</th>
<th>ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotor Reactance (Xr):</td>
<td>ohms</td>
<td>Stator Reactance (Xs):</td>
<td>ohms</td>
</tr>
<tr>
<td>Magnetizing Reactance (Xm):</td>
<td>ohms</td>
<td>Short Circuit Reactance (Xd&quot;)</td>
<td>ohms</td>
</tr>
<tr>
<td>Design letter:</td>
<td></td>
<td>Frame Size:</td>
<td></td>
</tr>
<tr>
<td>Exciting Current:</td>
<td></td>
<td>Temp Rise (deg C°):</td>
<td></td>
</tr>
</tbody>
</table>

Reactive Power Required: Vars (no load), Vars (full load)

\[ I_2^t \text{ or } K \text{ (Heating Time Constant):} \]

Additional information:

---

**PRIME MOVER (Complete all applicable items)**

<table>
<thead>
<tr>
<th>Unit Number:</th>
<th>Type:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serial Number:</td>
<td>Date of manufacturer:</td>
<td></td>
</tr>
<tr>
<td>H.P. Rated:</td>
<td>H.P. Max.:</td>
<td>Inertia Constant:</td>
</tr>
<tr>
<td>Energy Source (hydro, steam, wind, etc.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**GENERATOR TRANSFORMER (Complete all applicable items)**

TRANSFORMER (between generator and utility system)

<table>
<thead>
<tr>
<th>Single Phase</th>
<th>Three Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generator unit number:</td>
<td>Date of manufacturer:</td>
</tr>
<tr>
<td>Manufacturer:</td>
<td></td>
</tr>
<tr>
<td>Serial Number:</td>
<td></td>
</tr>
<tr>
<td>High Voltage:</td>
<td>KV, Connection: delta wye, Neutral solidly grounded?</td>
</tr>
<tr>
<td>Low Voltage:</td>
<td>KV, Connection: delta wye, Neutral solidly grounded?</td>
</tr>
<tr>
<td>Tert. Voltage:</td>
<td>KV, Connection: delta wye, Neutral solidly grounded?</td>
</tr>
<tr>
<td>Transformer:</td>
<td>% on KVA base.</td>
</tr>
<tr>
<td>Transfer Transformer Resistance (R):</td>
<td>% on KVA base.</td>
</tr>
<tr>
<td>Transformer Reactance (X):</td>
<td>% on KVA base.</td>
</tr>
<tr>
<td>Neutral Grounding Resistor (if applicable):</td>
<td></td>
</tr>
</tbody>
</table>

Transformer Fuse: Manufacture: Type: Size: Speed:

---

**INVERTER DATA (if applicable)**

<table>
<thead>
<tr>
<th>Manufacturer:</th>
<th>Model:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power Factor (%):</td>
<td>Rated Voltage (Volts):</td>
</tr>
<tr>
<td>Inverter Type (ferroresonant, step, pulse-width modulation, etc):</td>
<td></td>
</tr>
<tr>
<td>Type commutation:</td>
<td>forced line</td>
</tr>
<tr>
<td>Harmonic Distortion: Maximum Single Harmonic (%)</td>
<td></td>
</tr>
<tr>
<td>Maximum Total Harmonic (%)</td>
<td></td>
</tr>
<tr>
<td>Note: Attach all available calculations, test reports, and oscillographic prints showing inverter output voltage and current waveforms.</td>
<td></td>
</tr>
<tr>
<td>All equipment tested to UL1741:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

---
POWER CIRCUIT BREAKER (if applicable)

Manufacturer: ___________________________ Model: ___________________________

Rated Voltage (kilovolts): ___________________________ Rated ampacity (Amperes) ___________________________

Interrupting rating (Amperes): ___________________________ BIL Rating: ___________________________

Interrupting medium / insulating medium (ex. Vacuum, gas, oil) ___________________________

Control Voltage (Closing): ___________________________ (Volts) AC DC

Control Voltage (Tripping): ___________________________ (Volts) AC DC Battery Charged Capacitor

Close energy: Spring Motor Hydraulic Pneumatic Other: ___________________________

Trip energy: Spring Motor Hydraulic Pneumatic Other: ___________________________

Bushing Current Transformers: ___________________________ (Max. ratio) Relay Accuracy Class: ___________________________

Multi ratio? No Yes: (Available taps) ___________________________

Trip Speed _____ cycles

Protective Relay

Manufacturer: ______________ Type: ____________

Proposed Settings:

<table>
<thead>
<tr>
<th>Protective Function</th>
<th>Proposed setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Over Voltage</td>
<td></td>
</tr>
<tr>
<td>Under Voltage</td>
<td></td>
</tr>
<tr>
<td>Over Frequency</td>
<td></td>
</tr>
<tr>
<td>Under Frequency</td>
<td></td>
</tr>
<tr>
<td>Overcurrent</td>
<td></td>
</tr>
</tbody>
</table>

Voltage Transformer

Manufacturer: ______________ Type: ____________ Accuracy Class: ____________

Proposed Ratio: ____________

Openable, Lockable, Visible Disconnect Available to both Parties: (Required)

Manufacturer: ______________ Amp Rating: ____________ Rated Voltage: ____________

Rated BIL: ____________
ADDITIONAL INFORMATION

In addition to the items listed above, please attach a detailed one-line diagram of the proposed facility, all applicable elementary diagrams, major equipment, (generators, transformers, inverters, circuit breakers, protective relays, etc.) specifications, test reports, etc., and any other applicable drawings or documents necessary for the proper design of the interconnection. Also describe the project's planned operating mode (e.g., combined heat and power, peak shaving, etc.), and its address or grid coordinates.

END OF PART 2

SIGN OFF AREA

The customer agrees to provide the Cooperative with any additional information required to complete the interconnection. The customer shall operate his equipment within the guidelines set forth by the cooperative. The customer represents the information in this application is true and correct to the knowledge of the customer.

Applicant

Date

ELECTRIC COOPERATIVE CONTACT FOR APPLICATION SUBMISSION AND FOR MORE INFORMATION:

Cooperative contact: Mark Siefken
Title: Engineering Manager
Address: Butler County Rural Electric Cooperative
521 North Main, PO Box 98
Allison, IA 50602
Phone: 319-267-2726 or 888-267-2726
Fax: 319-267-2566
E-mail: sief@butlerrec.coop
Section 25  COGENERATION AND SMALL POWER PRODUCTION

Cooperative is a member of Corn Belt Power Cooperative ("Corn Belt") and obtains all of its wholesale power from Corn Belt. The Cooperative and Corn Belt have filed a Joint Implementation Plan with the Federal Energy Regulatory Commission ("FERC") that provides for coordinated implementation of the obligations of Corn Belt and Cooperative relative to qualifying facilities. Pursuant to said Plan, Cooperative agrees to provide to any qualifying facility in its service territory supplementary, backup, maintenance and interruptible power and Corn Belt agrees to purchase energy and capacity from said facility, all in accordance with the requirements of the Public Utilities Regulatory Policies Act ("PURPA"). Those provisions of this tariff relating to sales to the qualifying facility shall apply to Cooperative and those provisions regarding purchases from the qualifying facility shall apply to Corn Belt. Accordingly, any qualifying facility seeking services pursuant to this tariff should coordinate their efforts with both Corn Belt and Cooperative.

25.1  Availability

This section shall apply to any member-consumer within the Cooperative’s assigned service area with a qualifying facility who has obtained qualifying status under the rules of the Public Utility Regulatory Policies Act of 1978, a qualifying alternate energy production facility, or a qualifying small hydro facility. A member-consumer with electric generating equipment shall not connect it in parallel with the Cooperative or Corn Belt’s system without the prior written consent of the Cooperative or Corn Belt. Failure of the member-consumer to comply with the Cooperative or Corn Belt’s requirements for parallel generation shall be justification for discontinuance of such parallel operation in such a manner as to least inconvenience the member-consumer until such time as full compliance has been accomplished. Each of these types of facilities shall comply with all of the Cooperative or Corn Belt’s requirements of general rules for electric service as well as the specific provisions of this section.

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 or qualifying facilities, the Cooperative would generate itself or purchase from another source. The Cooperative purchases all of its power requirements from its wholesale power supplier, Corn Belt. Corn Belt shall therefore be responsible for calculating the Cooperative’s Avoided Costs.
“Qualifying Alternate Energy Production Facility” (QAEPF) means any of the following:

- An electric production facility which derives 75% or more of its energy input from solar energy, wind, waste management, resource recovery, refuse-derived fuel, agricultural crops or residues or wood burning;

- Land, systems, buildings or improvements located at the project site and necessary or convenient to the construction, completion or operation of the facility; or

- Transmission or distribution facilities necessary to conduct the energy produced by the facility to the purchasing utility.

A facility that is a qualifying facility under 18 CFR Part 292, Subpart B, is not precluded from being an alternate energy production facility.

“Qualifying Facility” (QF) means a cogeneration facility or a small power production facility that is a qualifying facility under 18 CFR Part 292, Subpart B.

“Qualifying Small Hydro Facility” (QSHF) means any of the following:

- A hydroelectric facility at a dam;

- Land, systems, buildings or improvements located at the project site and necessary or convenient to the construction, completion or operation of the facility; or

- Transmission or distribution facilities necessary to conduct the energy produced by the facility to the purchasing utility.

A facility that is a qualifying facility under 18 CFR Part 292, Subpart B, is not precluded from being a small hydro facility.

25.3 Requirements for Interconnection

All facilities shall meet certain requirements to be eligible for interconnection pursuant to the terms and conditions of this section.

Issued: June 1, 2005

Issued by: Duane Rieckenberg, President

Effective: Proposed Effective Date: August 1, 2005
25.3.1 Acceptable Standards

Permission to interconnect with the Cooperative or Corn Belt electric system is contingent upon the following conditions:

A. The member-consumer 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 or Corn Belt electric system:

1. General Requirements for Synchronous Machines, ANSI C50.10-1990. The standards set forth in ANSI C50.10 are modified as follows: Rule 8.1 “Maximum allowable deviation factor,” is modified to read: “The deviation factor of the open-circuit terminal voltage wave and the current wave at all loads shall not exceed 0.1. Deviation factor shall be as defined in ANSI C42.100-1972.”


5. Iowa Electrical Safety Code, as defined in 199—Chapter 25.


Issued: June 1, 2005

Issued by: Duane Rieckenberg, President

Effective: Proposed Effective Date: August 1, 2005
For those facilities of such design as to not be subject to the standards noted in “1,” “2,” “3,” and “4,” above, data on the manufacturer, type of device and output current wave form (at full load) and output voltage wave form (at no load and at full load) shall be submitted to the Cooperative or Corn Belt for review and approval prior to interconnection. A copy of the Cooperative’s decision (whether approving or disapproving), including the data specified above and the exact location of the facility, shall be provided to the member-consumer and IUB within a reasonable time following the date of the decision. The Cooperative’s decision, or its failure to decide within a reasonable time, may be appealed to the IUB. The appeal shall be treated as a contested case proceeding.

B. The member-consumer facility shall be equipped with automatic disconnection upon loss of electric voltage supplied by the Cooperative.

C. The member-consumer shall furnish and install an overcurrent device on the facility to automatically disconnect the facility at all currents that exceed the full-load current rating of the facility.

D. The member-consumer shall furnish the Cooperative or Corn Belt with sufficient data in order to verify that all conditions in Parts A, B and C above are met. Cooperative or Corn Belt approval is required before interconnection is permitted.

E. The interconnection shall be provided with a switch that provides a visible break or opening. The switch shall be capable of being padlocked in the open position. Both the operator of the qualifying facility (or qualifying alternate energy production facility, or qualifying small hydro facility) and the Cooperative or Corn Belt shall have access to the interconnection switch at all times.

F. Those facilities that produce a terminal voltage prior to the closure of the interconnection shall be provided with synchronism-check devices to prevent closure of the interconnection under conditions other than a reasonable degree of synchronization between the voltages on each side of the interconnection switch.

G. The member-consumer facility shall be subject to disconnection without notice by the Cooperative in the event the facility causes unacceptable safety, voltage or frequency conditions, service interruption or communications interference.

Issued: June 1, 2005
Issued by: Duane Rieckenberg, President

Effective: Proposed Effective Date: August 1, 2005
H. The member-consumer will regularly inspect, maintain and service the facility for safe and reliable operation and maintain a record or log, available for inspection by the Cooperative or Corn Belt, showing when the facility is shut down for repairs or maintenance, the maintenance or repair completed and when the facility is placed back in service. If requested by the Cooperative or Corn Belt, the member-consumer shall submit to the Cooperative or Corn Belt a maintenance schedule, prior to October 1, of each year, for the following calendar year.

I. The member-consumer shall agree to insure and indemnify the Cooperative and Corn Belt and their representatives against liability for any injuries or damages caused by the operation of the member-consumer's equipment or by any failure of the member-consumer to maintain such equipment in satisfactory or safe operating condition. The member-consumer will arrange for and maintain liability insurance with limits of not less than $1,000,000 or other proof of financial responsibility will be required by Cooperative and shall be approved by the Cooperative prior to interconnection. Failure to maintain required insurance or proof of financial responsibility shall be cause for disconnection. The Cooperative and Corn Belt shall be named as additional insureds.

J. The member-consumer shall reimburse the Cooperative or Corn Belt for costs incurred by the Cooperative or Corn Belt for all costs of connection, switching, metering, transmission, distribution, safety provisions and administrative costs incurred by the Cooperative or Corn Belt directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with a qualifying facility (or qualifying alternate energy production facilities or qualifying small hydro facilities), to the extent the costs are in excess of the corresponding costs which the Cooperative or Corn Belt would have incurred if it had not engaged in interconnected operations, but instead generated an equivalent amount of electric energy itself or purchased an equivalent amount of electric energy or capacity from other sources. Interconnection costs do not include any costs included in the calculation of avoided costs.

K. The member-consumer shall agree to discontinue sales to Corn Belt when, due to operational circumstances, purchases from the member-consumer will result in Corn Belt costs greater than those that Corn Belt would incur if it did not make such purchases, but instead generated an equivalent amount of energy, provided, however, that Corn Belt shall notify the member-consumer within a reasonable amount of time to allow the member-consumer to cease the delivery of energy.

Issued: June 1, 2005
Issued by: Duane Rieckenberg, President

Effective: Proposed Effective Date: August 1, 2005
L. A contract reflecting the conditions of this tariff shall be required between the Cooperative and the member-consumer.

M. The member-consumer shall permit Cooperative or Corn Belt representatives to enter upon member-consumer's property at any reasonable time for the purpose of inspecting or testing member-consumer's equipment, facilities or apparatus and the accuracy of the Cooperative or Corn Belt's metering equipment, but such inspections shall not relieve the member-consumer of the obligation to maintain the member-consumer's facilities in satisfactory operating conditions. The Cooperative or Corn Belt may charge the direct expense of such inspecting or testing of the member-consumer's equipment, facilities or apparatus to the member-consumer, unless the member-consumer can demonstrate the inspecting and testing was not necessary.

N. The member-consumer shall be responsible for the costs of installation and maintenance of power factor correction capacitors required to maintain the equivalent of an average power factor of 90% (lagging) at the interconnection.

O. The member-consumer’s electric generating equipment shall be designed, operated and maintained in such a manner that it does not adversely affect the Cooperative’s or Corn Belt’s voltage wave form.

25.4 Rates

25.4.1 Rates 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 rate, depending upon the member-consumer's operations and requirements. The Cooperative does not currently have a separate rate schedule for co-generators, but reserves the right to create a separate rate based upon the unique characteristics of such member-consumers.

Issued: June 1, 2005
Issued by: Duane Rieckenberg, President

Effective: Proposed Effective Date: August 1, 2005
25.4.2 Rates for Purchases by Corn Belt from Member-Consumer

**QFs with design capacity of 100 kW or less**
Payment for purchases from the member-consumer pursuant to this tariff provision shall be as follows:

The rate(s) for purchases from qualifying facility (as defined above) and with a design capacity of 100 kilowatts or less are available by contacting the Cooperative. These rates will be consistent with 18 CFR 292.304.

**QFs greater than 100 kW**
The rate(s) for purchases from qualifying facilities (as defined above) and with a design capacity above 100 kilowatts are available on a negotiated case-by-case basis with the Cooperative.

25.4.3 Wheeling Charges

Cooperative may provide a wheeling service to a facility interconnected to its electric delivery system. Any charges for the wheeling of power will be determined by the Cooperative and in accordance with any applicable regulations. In addition, Cooperative reserves the right to refuse to wheel power where its existing facilities do not have adequate capacity and the member-consumer refuses to pay the costs to upgrade those facilities. If a qualifying alternate energy production or small hydro facility agrees, the Cooperative that would otherwise be obligated to purchase electricity from such facility may transmit the electricity to any other electric utility. Any electric utility to which such electricity is transmitted shall purchase such electricity under this subpart as if the facility were supplying electricity directly to such electric utility. The rate for purchase by the electric utility to which such electricity is transmitted shall be adjusted downward according to the mutual agreement of the transmitting and receiving utilities, to reflect any wheeling line losses and shall not include any charges for transmission.
WIND GENERATOR APPLICATION FOR PARTICIPATION
IN BUTLER COUNTY REC'S ENERGYWISE RENEWABLES PROGRAM

Introductory Information:

Butler County REC has initiated the EnergyWise Renewables Program. The Program is designed to allow individuals and entities to voluntarily support local wind generators. In order to be eligible to participate in the program, a wind generator must have a design capacity of 100 kW or less and must be located in the electric service territory of Butler County REC. The wind generator must be a Qualifying Facility as defined under the Public Utility Regulatory Policies Act (PURPA) and must enter into a contract under the PURPA implementation plan of Butler County REC and its power supplier Corn Belt Power Cooperative. Under said plan, Corn Belt Power Cooperative purchases electric energy made available by the wind generator at a rate which is tied to Corn Belt Power Cooperative's avoided cost. The rate currently being paid is $.0346 per kWh. Under the EnergyWise Renewables Program, if funds are contributed and made available, eligible participants may receive an additional $.015 per kWh for the energy they sell to Corn Belt Power Cooperative. This additional payment will be made by Butler County REC on an as available basis. Participants will become eligible for payment once their PURPA contract is executed and their EnergyWise Renewables application is approved. Participants shall be paid in the order that they became eligible.

Application Information:

If you are interested in participating in this program as a generator and wish to apply to receive funds, please provide the following information. Your Application will be reviewed by Butler County REC and you will be notified if your facility qualifies for the Program. This Application cannot be substituted for any application or Agreement required by Butler County REC or Corn Belt Power Cooperative under their Joint PURPA Implementation Plan or any applicable tariff provision.

Applicant Name: ________________________________ Butler County REC Account # ______________________
Address: ____________________________________________________________________________________________
Telephone: __________________ Fax number: __________________ E-mail address: __________________

Location of Eligible Facility: ____________________________________________________________
Description of Facility: (give a general description of the proposed or installed facility and an estimate of when you intend to commence operation of the facility).
____________________________________________________________________________________________
____________________________________________________________________________________________
____________________________________________________________________________________________
Total Site Load ____________ (kW) Generator Rating ____________ (kW)
Annual Estimated Generation _____________ (kWh)

I hereby certify that the above information is true and correct, and I agree to comply with all terms and conditions of the EnergyWise Renewables Program, as may be implemented from time to time by Butler County REC. I certify that I have read and understand the additional terms and conditions contained on the reverse side of this Application, and the same are incorporated herein.

Applicant signature: __________________________ Date: ______________________

APPLICATION APPROVED BY BUTLER COUNTY REC

By: ____________________________ Date: ______________________
Title: ___________________________

{00004710.DOC}
ADDITIONAL TERMS AND CONDITIONS

1. Participant must be a member of Butler County REC and must abide by all relevant provisions of the Articles of Incorporation, Bylaws, Tariffs, laws, rules, and regulations.

2. Participant shall comply with all applicable federal, state, and local laws, rules, and regulations regarding the operation of Participant's facility.

3. Participant must be in compliance with all applicable PURPA regulations and comply with any terms and conditions imposed by Corn Belt Power Cooperative regarding the sale of energy to Corn Belt Power Cooperative.

4. All payments made under Butler County REC's EnergyWise Renewables Program are made from donations made to Butler County REC. Butler County REC does not guaranty any funds will be available under this program or that the program will continue indefinitely.

5. Payment to Participants will be made each month based upon the available funds, with participants being paid in the order their contract with Corn Belt Power Cooperative or Butler County REC was executed.

6. Payments under this Program will be made on a monthly basis, with each month's payment being based upon the sales made to Corn Belt Power Cooperative during the preceding month. Any amounts due to Participant will be credited unto the Participant’s electric bill. If a credit balance is accumulated, Butler County REC will issue a check at the time that the credit balance reaches $100.

7. Any default or violation of the contract with Corn Belt Power Cooperative or Butler County REC concerning the sale of excess energy from the Participant's facility shall disqualify the Participant from continuing to be eligible for participation in this Program.

8. Butler County REC reserves the right to terminate this program at any time. Upon termination of this program, any excess funds contributed by donors will be distributed to support renewable energy projects in Iowa.

9. Butler County REC does not warrant or guaranty that any funds will be available to Participant hereunder and disclaims any Liability for any and all damages, claims, or losses which may arise from the termination of this Program or the lack of contributions to the same.

10. Participant authorizes Butler County REC to obtain information from Corn Belt Power Cooperative concerning the sales made by Participant to Corn Belt Power Cooperative.

11. Butler County REC reserves the right to analyze and publish certain information concerning the EnergyWise Renewables including but not limited to the amount contributed per month, the amount distributed per month, the energy supplied per month, all information being in the aggregate and not per account.
AGREEMENT FOR ELECTRIC SERVICE AND INTERCONNECTION FOR SMALL RENEWABLE FACILITIES

THIS AGREEMENT, made and entered into this _______ day of ____________, 20, by and among Butler County Rural Electric Cooperative, an Iowa cooperative corporation with its principal place of business in Allison, Iowa ("Cooperative"), Corn Belt Power Cooperative, an Iowa G & T Cooperative with its principal place of business in Humboldt, Iowa ("Corn Belt"), and _________________________, individuals residing in ____________________, Iowa ("Member-Consumer");

WITNESSETH:

WHEREAS, Cooperative is a public utility under Chapter 478 of the Code of Iowa (2009) and provides electric utility service at retail to member-consumers in its assigned service area; and,

WHEREAS, Member-Consumer is a member of Cooperative and purchases electric power and energy from Cooperative; and,

WHEREAS, Cooperative is a member of Corn Belt and obtains all of its electric power and energy from Corn Belt pursuant to the terms and conditions of a wholesale power contract between Cooperative and Corn Belt; and,

WHEREAS, Member-Consumer owns and operates a small renewable electric generating facility (Facility) and desires to purchase from Cooperative emergency and backup electric utility service and to sell excess electric power and energy generated by its Facility, and to interconnect with the electric distribution system of Cooperative in order to do so; and,

WHEREAS, the Cooperative and Member-Consumer desire to set forth in this Agreement the terms and conditions pursuant to which said purchases, sales, and interconnection shall be made;

IT IS, THEREFORE, IN CONSIDERATION OF THE MUTUAL COVENANTS HEREINAFTER SET FORTH, AGREED BY AND AMONG THE PARTIES AS FOLLOWS:

A. Electric Service Provided to Member

1. Cooperative shall furnish, sell and deliver to Member-Consumer, and Member-Consumer shall purchase from Cooperative all of the electric power and energy which Member-Consumer may need at the location described in Exhibit "B," attached hereto and by this reference made a part hereof, subject to the remaining provisions of this Agreement.

2. Electrical service provided by Cooperative shall be alternating current, 60 cycles, at voltages consistent with the Tariff and Rate Schedule applicable to the Facility.

3. Member-Consumer shall not use the electric power and energy furnished pursuant to this Agreement as an auxiliary or supplement to any other source of electric power and energy, other than that generated by the Member-Consumer's Facility located on its premises, and shall not resell electric power and energy purchased hereunder.
4. Member-Consumer shall pay Cooperative for service at the rates and upon the terms and conditions set forth in the Cooperative’s applicable rate schedule, which schedule is attached hereto and by this reference made a part hereof, for the first six (6) months of the term of this Agreement. Thereafter, Cooperative may establish a qualifying facility backup rate based upon the unique characteristics of the Member-Consumer’s load profile, based on an analysis of metered data in a cost of service study, and said backup rate shall apply for the remainder of the term of this Agreement, except as adjusted pursuant to section a7 of this Agreement. Due to billing concerns subtractive electric service will not be allowed.

5. The initial billing period shall commence when Member-Consumer begins receiving electric power and energy from Cooperative, or thirty (30) days after the date Cooperative notifies Member-Consumer in writing that service is available, whichever shall first occur.

6. Bills for service hereunder shall be paid at Cooperative's office in Allison, Iowa. Such payment shall be due in accordance with the Tariff and Rate Schedule applicable to the Facility. In the event Member-Consumer fails to make payment of any bill when due, Cooperative may discontinue service to Member-Consumer in accordance with the Tariff and Rate Schedule applicable to the Facility. Discontinuance of service shall not relieve Member-Consumer of any of its obligations under this Agreement.

7. Cooperative may change the rate for service provided under this Agreement in the same manner it changes its rates to other Member-Consumers. In said event, Cooperative shall provide Member-Consumer with thirty (30) days' written notice of such rate change, which change shall become effective thirty (30) days following the giving of said notice.

8. Member-Consumer shall become and remain a member of Cooperative during the initial term of this Agreement and any extensions thereof, shall pay the Cooperative's membership fee (if any), and shall be subject to the terms and conditions of the Cooperative's Articles of Incorporation, Bylaws, rules, and regulations.

9. Cooperative shall use reasonable diligence to provide a constant and uninterrupted supply of electric power and energy. If the supply of electric power and energy shall fail or be interrupted, or become defective through act of God, governmental authority, action of the elements, public enemy, accident, strikes, labor disputes, required maintenance work, inability to secure right-of-way, or any other cause beyond the reasonable control of Cooperative, Cooperative shall not be liable therefore or for damages caused thereby.

B. Interconnection Requirements

1. All facilities shall meet certain requirements to be eligible for interconnection pursuant to the terms and conditions of this section. Permission to interconnect with Cooperative's electric system is contingent upon the following conditions:

   a. Member-Consumer 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:


2) IEEE Standard for Salient-Pole 50 Hz and 60Hz, Synchronous Generators and Generator/Motors for Hydraulic Turbine Applications rated 5 MVA and above, IEEE C50.12-2005.

3) IEEE Standard for Cylindrical-Rotor 50 Hz and 60Hz, Synchronous Generators Rated 10 MVA and above, IEEE C50.13-2005.

4) Iowa Electrical Safety Code, as defined in 199 IAC Chapter 25.


For those facilities which are of such design as to not be subject to the standards noted in “1,” “2,” “3,” and “4,” above, data on the manufacturer, type of device, and output current wave form (at full load) and output voltage wave form (at no load and at full load) shall be submitted to Cooperative for review and approval prior to interconnection.

b. Member-Consumer's facility shall be equipped with automatic disconnection upon loss of electric voltage supplied by Cooperative.

c. Member-Consumer shall furnish and install an overcurrent device on the facility to automatically disconnect the facility at all currents that exceed the full-load current rating of the facility.

Member-Consumer shall furnish Cooperative with sufficient data in order to verify that all conditions in Parts a, b, c and d above are met. Cooperative approval is required before interconnection is permitted.

2. In order to provide adequate safety to Cooperative's employees, Member-Consumer shall furnish and install an Underwriter's Laboratory (UL) listed manual disconnect switch between Member-Consumer's Facility and the Cooperative's system in order that the Facility may be positively disconnected from Cooperative's system. The location of the switch shall be determined and approved by Cooperative and shall be housed in an approved enclosure which shall be secured with a padlock or other locking device. Cooperative shall have access to the switch. Cooperative shall have the option of a
service transformer disconnect in lieu of the Member-Consumer furnished disconnect switch.

3. Those facilities that produce a terminal voltage prior to the closure of the interconnection shall be provided with synchronism-check devices to prevent closure of the interconnection under conditions other than a reasonable degree of synchronization between the voltages on each side of the interconnection switch.

4. Member-Consumer's facility shall be subject to disconnection without notice by Cooperative in the event the facility causes unacceptable safety, voltage, or frequency conditions, service interruption, or communications interference.

5. Member-Consumer will regularly inspect, maintain, and service the Facility for safe and reliable operation and maintain a record or log, available for inspection by Cooperative, showing when the Facility is shut down for repairs or maintenance, the maintenance or repair completed, and when the Facility is placed back in service. If requested by Cooperative, Member-Consumer shall submit to Cooperative a maintenance schedule, prior to October 1 of each year, for the following calendar year.

6. Member-Consumer shall insure and indemnify Cooperative and its representatives against liability for any injuries or damages caused by the operation of Member-Consumer's equipment or by any failure of Member-Consumer to maintain such equipment in satisfactory and safe operating condition. Member-Consumer will arrange for and maintain liability insurance in the amount of $1,000,000 or other proof of financial responsibility will be required by Cooperative and shall be approved by Cooperative prior to interconnection. Failure to maintain required insurance or proof of financial responsibility shall be cause for disconnection. Cooperative and shall be named as additional insureds.

7. Member-Consumer shall reimburse Cooperative for costs incurred by Cooperative for all costs of connection, switching, metering, transmission, distribution, safety provisions, engineering and administrative costs directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with the Facility to the extent the costs are in excess of the corresponding costs which Cooperative would have incurred if it had not engaged in interconnected operations, but instead generated an equivalent amount of electric energy itself or purchased an equivalent amount of electric energy or capacity from other sources.

8. Member-Consumer shall permit Cooperative representatives to enter upon Member-Consumer's property at any reasonable time for the purpose of inspecting or testing Member-Consumer's equipment, facilities or apparatus and the accuracy of Cooperative's metering equipment, but such inspections shall not relieve Member-Consumer of the obligation to maintain Member-Consumer's facilities in satisfactory operating condition. Cooperative may charge the direct expense of such inspecting or testing of Member-Consumer's equipment, facilities or apparatus to Member-Consumer, unless Member-
Consumer can demonstrate the inspecting and testing was not necessary.

9. Member-Consumer shall be responsible for the costs of installation and maintenance of power factor correction capacitors required to maintain the equivalent of an average power factor of 90% (lagging) at the interconnection.

10. Member-Consumer’s electric generating equipment shall be designed, operated and maintained in such a manner that it does not adversely affect Cooperative’s voltage wave form.

11. Cooperative will meter the Facility to obtain billing data and to fulfill its recording requirements. Member-Consumer shall pay all costs associated with the installation of metering equipment necessary to measure the sale of power and energy to Member-Consumer. Cooperative shall have the right to install such additional metering equipment as it deems necessary for the collection of data for research purposes, which metering will be furnished and paid for by the Cooperative. Meters shall be read by the Cooperative and the Facility meter at minimum shall meet the following requirements according to the Facility design capacity.

   a. Facility with design capacity less than 50 KW
      The meter’s software shall be MV90 compatible and the meter shall record excess energy from the Facility to the Cooperative.

   b. Facility with design capacity greater than 50 KW or greater
      The meter’s software shall be MV90 compatible and the meter shall record thirty-minute demand and record excess energy from the Facility to the Cooperative.

12. Cooperative reserves the right to require Member-Consumer to provide at its expense suitable apparatus for filtering to avoid interference with telephone, radio, television, or other electronic signal reception caused by electrical equipment and apparatus on Member-Consumer's premises. Failure of Member-Consumer to provide filtering when requested by the Cooperative shall be grounds for discontinuation of service.

13. Member-Consumer shall comply with all applicable laws, rules and regulations governing the operation of its Facility.

14. Operation of the Facility must not cause any reduction in the quality of service provided to other member-consumers or interfere with the operation of Cooperative's system. Member-Consumer shall take such corrective action as may be necessary in order to eliminate such condition, and shall reimburse Cooperative for any costs incurred by Cooperative in correcting or eliminating such conditions.

15. The electrical characteristics of the Facility shall conform with standards established by Cooperative, including, but not limited to, voltage, current, frequency, harmonics, and automatic synchronization.
16. Cooperative reserves the right to open the disconnect switch, thereby isolating Member-Consumer's Facility, without prior notice to Member-Consumer, for any of the following reasons:

   a. System emergency and/or maintenance operations which require such action.

   b. The existence of potentially hazardous conditions relating to the Facility.

   c. Interference with the quality of service provided to other Member-Consumers, and/or the operation of Cooperative’s system, caused by or resulting from the operation of the Facility.

C. **Purchases from Member**

   1. **Agreement to Purchase.** Corn Belt agrees to purchase from Member-Consumer such excess capacity as may be generated by Facility and which Member-Consumer desires to sell to Corn Belt. Cooperative is interconnected with Corn Belt and the purchase obligations of Corn Belt will be coordinated with Cooperative.

   2. **Rates.**

   **Facilities with design capacity of 150 kW or less**

   Payment for purchases from the member-consumer pursuant to this Agreement shall be as follows:

   The rate to be paid by Corn Belt for energy produced by a Facility with a design capacity of 150 kilowatts or less shall be the rate set forth in Corn Belt's Small Renewable Energy Purchase Rate (Exhibit A). The Member-Consumer shall, as the commencement of the term of this Agreement, elect to retain the environmental attributes of the net metering facility or assign the environmental attributes to Corn Belt. The election shall be indicated in Exhibit B and shall remain in effect for the term of this Agreement.
Facilities greater than 150 kW

The rate for purchases from a Facility with a design capacity above 150 kilowatts will be negotiated on a case-by-case basis with Corn Belt.

D. **Miscellaneous.**

1. This Agreement shall be subject to all federal and state laws and regulations relating to allocation of power.

2. This Agreement shall become effective and remain in effect for the specified commitment term stated in Exhibit B.

3. This Agreement shall supersede and replace any existing Agreement for Electric Service and Interconnection for Qualifying Co-Generation and/or Small Power Production Facilities (Superseded Agreement) by and among the Cooperative, Corn Belt, and Member-Consumer, and said Superseded Agreement shall be deemed terminated and of no further force or effect as of the effective date of this Agreement.

4. This Agreement shall be binding upon the parties, and upon their respective successors and assigns.

5. If required this agreement shall be subject to the approval of the Administrator of Rural Utilities Service (RUS).

**IN WITNESS WHEREOF,** the parties hereto have executed this Agreement on the day and year first above written.

__________________________________________ COOPERATIVE

By________________________________________

CORN BELT POWER COOPERATIVE

By________________________________________

MEMBER-CONSUMER

By________________________________________
EXHIBIT "A"
Corn Belt Power Cooperative Small Renewable Purchase Rate
(Effective January 1, 2010)

1. If Member-Consumer elects to "lock in" the renewable energy purchase rate for the Commitment Term, the rates shall be as shown in the following schedule.

<table>
<thead>
<tr>
<th>Year</th>
<th>Mills/kWh If Member-Consumer Assigns the Environmental Attributes to Corn Belt</th>
<th>Mills/kWh If Member-Consumer Retains the Environmental Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>43.00</td>
<td>39.00</td>
</tr>
<tr>
<td>2011</td>
<td>43.65</td>
<td>39.65</td>
</tr>
<tr>
<td>2012</td>
<td>44.30</td>
<td>40.30</td>
</tr>
<tr>
<td>2013</td>
<td>44.96</td>
<td>40.96</td>
</tr>
<tr>
<td>2014</td>
<td>45.63</td>
<td>41.63</td>
</tr>
</tbody>
</table>

2. If Member-Consumer elects to accept the renewable energy payment rate as it may change over the Commitment Term the rate for 2010 shall be 43.00 mills/kWh if Member-Consumer assigns the environmental attributes to Corn Belt and 39.00 mills/kWh if Member-Consumer retains the environmental attributes. Corn Belt shall, prior to January 1 of each year after 2010, establish and notify the Member-Consumer of the renewable energy payment rates that will be in effect for the following year.
EXHIBIT B

RENEWABLE ENERGY PURCHASE APPLICATION

Name of Distribution Cooperative and Owner of the Wind Energy Project:

__________________________________________________________________________

Total nameplate rating of wind facilities qualified under this rate at single site: ___ (kW)

Commitment Term: _______, 20____ through _______, 20____
Maximum Commitment Term is 5 years

Please select one of the following:

1. Does the Member-Consumer elect to lock in the Renewable Energy Payment Rate for the entire Commitment Term?: □ Yes

2. Does the Member-Consumer elect to accept the Renewable Energy Payment Rate as it may be changed by Corn Belt during the Commitment Term? □ Yes

Environmental Attributes: □ Retain □ Convey to Corn Belt

Location:  ________________________________________________________________

Type of Facility (describe in detail):  __________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________