

CITY OF ROCK FALLS

ORDINANCE NO. 2018-2360

**ORDINANCE AMENDING THE ROCK FALLS MUNICIPAL CODE, CHAPTER 32,
ARTICLE V, DIVISION 1, BY THE ADDITION OF A NEW SECTION 32-351
GOVERNING INTERCONNECTIVE SERVICES TO THE CITY OF ROCK FALLS
ELECTRIC DISTRIBUTION SYSTEM**

ADOPTED BY THE

CITY COUNCIL

OF THE

CITY OF ROCK FALLS

THIS 1st DAY OF May, 2018

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2nd day of May, 2018.

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GOVERNING INTERCONNECTIVE SERVICES TO THE CITY OF ROCK FALLS
ELECTRIC DISTRIBUTION SYSTEM**

WHEREAS, the City of Rock Falls has been experiencing an increasing number of residents requesting interconnective services to the electric distribution system of the City for the receipt of electricity generated by residents' on-site generating facilities; and

WHEREAS, the City recognizes and acknowledges that certain requirements and procedures should be in place for such services, in order to assure the efficacy and safety of such systems in operation, not only to the site itself, but to the City electric distribution system; and

WHEREAS, the City believes that the most equitable and efficient means to implement interconnective services is via a "buy-all, sell-all" arrangement, by which an electric customer purchases all electricity used on-site from the City of Rock Falls Electric Department, and the customer's on-site generating facility is separately metered in order that the City Electric Department can monitor the electricity generated by the on-site generating facility and provide appropriate credit in the manner set forth in this ordinance for such system; and

WHEREAS, the Mayor and the City Council find that such a "buy-all, sell-all" system is more equitable in that the cost of maintaining the City's electric system infrastructure is more equally shared by all customers of the system, whether or not such customers have on-site generating facilities; and

WHEREAS, because of increasing public interest in the installation and use of such on-site generating facilities, the Mayor and the City Council have determined to be in the best interests of the City and its residents to establish requirements and procedures for customers of the City electric distribution system to establish interconnective services with the City electric distribution system.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Rock Falls as follows:

SECTION 1: That Chapter 32, Article V, Division 1, as amended, be further amended by the addition of a new Section 32-351, to read as follows:

"Sec. 32-351 Interconnection with City electric distribution system.

(a) The City of Rock Falls Electric Department shall make available, upon request and application, interconnective services to any customer taking service or establishing service from the City electric distribution system meeting the requirements set forth below. For purposes of this section, "buy-all sell-all" means an interconnective system under which all electricity used by an electric customer is procured from the City electric distribution system at established rates,

and any on-site generating facility shall be separately metered and all electricity so generated is used on-site or delivered to the local distribution facility, with appropriate customer credit therefor. The applicable rate for such credit shall be the cost to the City at the IMEA rate for delivery either used on-site or delivered to the local distribution facility. Multi-unit residential and commercial customers qualify as a single customer for purposes of this section if all units are on the same account. The City Electric Department will not allocate renewable generation facilities to individual accounts in a multi-unit residential or commercial building. Before any project construction commences, the customer must complete an application form and receive approval from the Electric Director and Building Inspector. Before the project in-service date, the responsible contractor must complete and deliver the Certification of Completion to the Electric Director and Building Inspector.

(b) For purposes of this section, an "eligible on-site generating facility" is defined as a renewable generating facility, such as a photovoltaic facility and small wind turbines. Other forms of renewable generation shall be considered on a case-by-case basis. In all cases, facilities interconnected must be deemed to be renewable to qualify under this section.

(c) Requirements for interconnection to the City electric facility:

1. The electric generating facility must also conform to established City Electric Department Terms and Conditions for Interconnection, as may be added or amended from time to time.

2. Subject to the limitations set forth herein, the City Electric Department shall make interconnective service available upon request to any City Electric Department residential electric customer with a qualifying generating facility of 10 kW capacity or less. For commercial and industrial accounts, the limit is 20 kW capacity or less.

3. Any generating facility greater than the limits in subsection (c)(2), but less than 1 MW may be considered on a case by case basis. The decision with respect any such facility shall be made by the Electric Director after review by the Utility Committee.

4. Notwithstanding the provisions of subsection (c)(3), the City Electric Department reserves the authority to limit a customer's on-site installation to a size such that the electrical output will not, as a matter of routine operation, exceed the electric load of the site on which it is installed.

5. Total metered capacity interconnected to the City electric system shall not exceed 2% of the system's peak as measured by the prior calendar year. In the event that the system peak is reduced such that the existing capacity exceeds the 2% level, existing interconnection customers shall be permitted to continue under this section. However, no new interconnective service will be allowed until such time as the system peak grows to the level that metered capacity is again no greater than 2% of the system's peak.

6. In no case shall credits for excess energy be carried forward for a period greater than 12 consecutive monthly billing periods, ending on the last day of the customer's monthly Billing Period. In the event of termination of an account qualifying for interconnective service under this section, any outstanding credits shall be deemed surrendered without compensation of any form.

7. Any costs the City Electric Department incurs associated with the interconnective program, including but not limited to changes in metering, other physical facilities or billing-related costs, shall be borne by the participants in the interconnective program. The City will supply the meter for the on-site generating facility at no cost to the customer.

(d) A violation of this section shall be punishable as a Class A violation as provided in section 1-41 of this Code. In addition thereto, the City shall be entitled to seek injunctive relief to prevent or prohibit a violation of the provisions of this section by any person. For purposes of determining a monetary penalty, each day that a violation continues shall be deemed to be a separate violation of this section."

SECTION 2: In all other respects, Chapter 32, Article V, Division 1 shall remain in full force and effects.

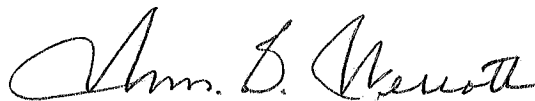
SECTION 3: The provisions and sections of this Ordinance shall be deemed to be severable, and the invalidity of any portion of this Ordinance shall not affect the validity of the remainder.

SECTION 4: All ordinances and parts of ordinances in conflict herewith are, to the extent of such conflict, hereby repealed.

SECTION 5: The City Clerk is hereby directed to publish this Ordinance in pamphlet form.

SECTION 6: This Ordinance shall be in full force and effect from and after its passage and approval, and publication as required by law.

Passed by the Mayor and the City Council of the City of Rock Falls, on the 1st day of May, 2018.

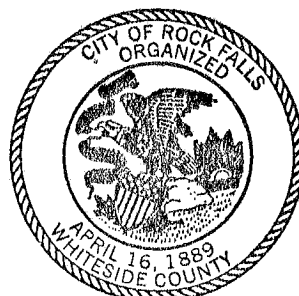


MAYOR

ATTEST:



City Clerk



Aldermen Voting Aye

Aldermen Voting Nay

Reitzel

Logan

Snow -----

Kuhlemier

Schuneman

Kleckler

Folsom

Sobottka

**City of Rock Falls Electric Department Standard Distributed Generation Interconnection
Interconnection Request Application Form and
Conditional Agreement to Interconnect
(Lab-Certified) Inverter-Based Distributed Generation Facilities 20 kW and Smaller**

Interconnection Applicant Contact Information

Customer Name: _____

Primary Contact: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ E-Mail Address: _____

Additional Contact Information (if different from primary contact)

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ E-Mail Address: _____

Equipment Contractor

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ E-Mail Address: _____

Electrical Contractor:

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ E-Mail Address: _____

Distributed Generation Facility ("Facility") Information

Facility Address: _____

City: _____ State: _____ Zip Code: _____

Utility serving Facility site: City of Rock Falls Electric Department

Account Number of Facility site: _____

Inverter Manufacturer: _____ Model: _____

Is the inverter lab-certified as that term is defined in the Illinois Distributed Generation Interconnection Standard? Yes No

(If yes, attach manufacturer's technical specifications and label information from a nationally recognized testing laboratory.)

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

Prime Mover: Photovoltaic Turbine

Energy Source: Solar Wind

In-Service Date: _____

(If the In-Service Date changes, the interconnection customer must inform the utility as soon as it is aware of the changed date.)

Insurance Disclosure

The attached terms and conditions contain provisions related to liability and indemnification, and should be carefully considered by the interconnection customer. The interconnection customer shall carry general liability insurance coverage, such as, but not limited to, homeowner's insurance. The interconnection customer shall name the City of Rock Falls as an additional insured on its homeowner's insurance policy, or similar policy covering general liability.

Customer Signature

I hereby certify that: (1) I have read and understand the terms and conditions which are 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: _____

Title: _____ Date: _____

.....
Conditional Agreement to Interconnect Distributed Generation Facility

By its signature below, the City of Rock Falls Electric Department has determined the interconnection request is complete. Interconnection of the distributed generation facility is conditionally approved contingent upon the attached terms and conditions of this Agreement, the return of the Certificate of Completion, duly executed verification of electrical inspection and successful witness test.

City of Rock Falls Electric Department Representative Signature: _____

Name: _____ Title: _____

Date: _____

Terms and Conditions for Interconnection

The City of Rock Falls shall make available, upon request, interconnection services to any customer that meets the required terms and conditions. Interconnection services in these terms and conditions refers to on-site generating facilities connected to the City of Rock Falls Electric Distribution System in a manner that will allow electricity generated by the on-site generating facility to be safely delivered onto the City of Rock Falls Electric Distribution System.

Terms and conditions for interconnecting to the City of Rock Falls Electric System are as follows:

- 1) **Construction of the Distributed Generation Facility.** The interconnection customer may proceed to construct (including operational testing not to exceed 2 hours) the distributed generation facility, once the conditional Agreement to interconnect a distributed generation facility has been signed on behalf of the City Electric Department.
- 2) **Final Interconnection and Operation.** The interconnection customer may operate the distributed generation facility and interconnect with the City's electric distribution system after all of the following have occurred:
 - a) **Electrical Inspection:** Upon completing construction, the interconnection customer shall cause the distributed generation facility to be inspected by the local electrical inspection authority, who shall establish that the distributed generation facility meets local code requirements.
 - b) **Certificate of Completion:** The interconnection customer shall provide the City Electric Department with a copy of the Certificate of Completion with all relevant and necessary information fully completed by the interconnection customer, as well as an inspection form from the local electrical inspection authority demonstrating that the distributed generation facility passed inspection.
 - c) The City Electric Department or Building Inspector, at his or her discretion, have completed its witness test as per the following:
 - i) Within 10 business days of the commissioning date, the City Electric Department or Building Inspector must, upon reasonable notice and at a mutually convenient time, conduct a witness test of the distributed generation facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with the applicable codes.
 - ii) If the City Electric Department does not perform the witness test within 10 business days after the commissioning date or such other time as is mutually agreed to by the Parties, the witness test is deemed waived unless the City Electric Department cannot do so for good cause. In these cases, upon request by the City Electric Department, the interconnection customer shall agree to another date for the test within 10 business days after the original scheduled date.
- 3) **Compliance.** The distributed generation facility shall be installed, operated and tested in accordance with the requirements of UL 1741 and The Institute of Electrical and Electronics Engineers, Inc. (IEEE), 3 Park Avenue New York, NY 10016-5997, Standard 1547 (2003) "Standard for Interconnecting Distributed Resources with Electric Power Systems." Photovoltaic installations must comply with Article 690, Solar Photovoltaic Systems, of the National Electric Code, as adopted by the City of Rock Falls. All interconnection related protective functions and

associated batteries shall be periodically tested at intervals specified by the manufacturer system integrator, or the authority that has jurisdiction over the distributed resources interconnection, or all tests shall be performed at a minimum of every three (3) years. Periodic test reports shall be maintained and submitted to the City of Rock Falls Electric Department.

- 4) **Access.** The City Electric Department shall have direct, unabated access to the meter base with a disconnect of the generation facility at all times. The meter base and disconnect switch shall be clearly labeled and installed within 2 feet of the customer's electric meter. The City Electric Department shall provide 5 business days notice to the customer prior to using its right of access except in emergencies.
- 5) **Metering.** The City will supply the meter for the on-site generating facility at no cost to the customer.
- 6) **Disconnection.** The City Electric Department may disconnect the distributed generation facility upon any of the following conditions, but shall reconnect the distributed generation facility once the condition is cured:
 - a) For scheduled outages, provided that the distributed generation facility is treated in the same manner as the City Electric Department's load customers;
 - b) For unscheduled outages or emergency conditions;
 - c) If the distributed generation facility does not operate in the manner consistent with this Agreement;
 - d) Improper installation or failure to pass the witness test;
 - e) If the distributed generation facility is creating a safety, reliability or a power quality problem; or
 - f) The interconnection equipment used by the distributed generation facility is de-listed by the Nationally Recognized Testing Laboratory that provided the listing at the time the interconnection was approved.
- 7) **Indemnification.** The interconnection customer shall indemnify, hold harmless and defend the City of Rock Falls, its Electric Department and their directors, officers, employees, and agents from all damages and expenses resulting from any third party claim arising out of or based upon the interconnection customer's (a) negligence or wilful misconduct or (b) breach of this Agreement.
- 8) **Insurance.** The interconnection customer shall provide the City Electric Department with proof that it has a current homeowner's insurance policy, or other general liability policy, and the interconnection customer shall name the City of Rock Falls as an additional insured on its homeowner's insurance policy, or similar policy covering general liability.
- 9) **Limitation of Liability.** Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.

- 10) **Termination.** This Agreement may be terminated under the following conditions:
- a) By interconnection customer - The interconnection customer may terminate this Agreement by providing written notice to the City Electric Department. If the interconnection customer ceases operation of the distributed generation facility, the interconnection customer must notify the City Electric Department.
 - b) By the City Electric Department - The City Electric Department may terminate this Agreement if the interconnection customer fails to remedy a violation of terms of this Agreement within 30 calendar days after notice, or such other date as may be mutually agreed to prior to the expiration of the 30 calendar day remedy period. Absent such agreement, the termination date may be no less than 30 calendar days after the interconnection customer receives notice of its violation from the City Electric Department.
- 11) **Modification of Distributed Generation Facility.** The interconnection customer must receive written authorization from the City Electric Department before making any changes to the distributed generation facility that could affect the City's distribution system. If the interconnection customer makes such modifications without the City Electric Department's prior written authorization, the City Electric Department shall have the right to disconnect the distributed generation facility.
- 12) **Permanent Disconnection.** In the event this Agreement is terminated, the City Electric Department shall have the right to disconnect its facilities or direct the interconnection customer to disconnect its distributed generation facility.
- 13) **Governing Law, Regulatory Authority, and Rules.** The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by the Codes and Regulations of the City of Rock Falls as well as the laws of the State of Illinois. Nothing in this Agreement is intended to affect any other agreement between the City and the interconnection customer.
- 14) **Survival Rights.** This Agreement shall remain in effect after termination to the extent necessary to allow or require either Party to fulfill rights or obligations that arose under the Agreement.
- 15) **Assignment/Transfer of Ownership of the Distributed Generation Facility.** This Agreement shall terminate upon the transfer of ownership of the distributed generation facility to a new owner unless the transferring owner assigns the Agreement to the new owner, the new owner agrees in writing to the terms of this Agreement, and the transferring owner so notifies the City Electric Department in writing prior to the transfer of ownership.
- 16) **Notice.** The Parties may mutually agree to provide notices, demands, comments, or requests by electronic means such as e-mail. Absent agreement to electronic communication, or unless otherwise provided in this Agreement, any written notice, demand, or request required or authorized in connection with this Agreement shall be deemed properly given if delivered in person, delivered by recognized national courier service, or sent by first class mail, postage prepaid, to the person specified below:

If to Interconnection Customer:

Use the contact information provided in the interconnection customer's application. The interconnection customer is responsible for notifying the City Electric Department of any change in the contact party information, including change of ownership.

If to utility:

Use the contact information provided below. The City Electric Department is responsible for notifying the interconnection customer of any change in the contact party information.

Name: _____ Title: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ E-Mail Address: _____

**City of Rock Falls Electric Department Standard Distributed Generation Interconnection
Interconnection Request Application Form and
Conditional Agreement to Interconnect
(Greater than 20 kW to 1MW)**

Interconnection Customer Contact Information

Customer Name: _____
Primary Contact: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Fax Number: _____ E-Mail Address: _____

Alternative Contact Information (if different from Primary Contact Information)

Name: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Fax Number: _____ E-Mail Address: _____

Facility Address (if different from above): _____
City: _____ State: _____ Zip Code: _____
Utility serving Facility site: City of Rock Falls Electric Department
Account Number of Facility site (existing utility customers): _____
Inverter Manufacturer: _____ Model: _____

Equipment Contractor

Name: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Fax Number: _____ E-Mail Address: _____

Electrical Contractor

Name: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Fax Number: _____ E-Mail Address: _____

Electric Service Information for Customer Facility Where Generator Will Be Interconnected

Capacity: _____ (Amps) Voltage: _____ (Volts)
Type of Service: Single Phase Three Phase
If 3 Phase Transformer, Indicate Type:
 Primary Winding Wye Delta
 Secondary Winding Wye Delta
Transformer Size: _____ Impedance: _____

Intent of Generation

Offset Load (Unit will operate in parallel, but will not export power to utility)
Net Meter (Unit will operate in parallel and will occasionally export power into the distribution system)

Generator & Prime Mover Information

ENERGY SOURCE (Wind and Solar):		
ENERGY CONVERTER TYPE (Wind Turbine, Photovoltaic Cell,):		
GENERATOR SIZE:	NUMBER OF UNITS:	TOTAL CAPACITY:
kW or kVA		kW or kVA
GENERATOR TYPE (Check one):		
Induction	Inverter	Synchronous Other

Distributed Generation Facility Information

In-Service Date: _____

List interconnection components/systems to be used in the distributed generation facility that are lab-certified.

Component/System	NRTL Providing Label & Listing
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

Please provide copies of manufacturer brochures or technical specifications.

Energy Production Equipment/Inverter Information:

Synchronous Induction Inverter Other _____

Rating: _____ kW Rating: _____ kVA

Rated Voltage: _____ Volts

Rated Current: _____ Amps

System Type Tested (Total System):
Yes No; attach product literature

Additional Information For Inverter-Based Facilities

Inverter Information:

Manufacturer: _____ Model: _____

Type: Forced Commutated Line Commutated

Rated Output: _____ Watts _____ Volts

Efficiency: _____ % Power Factor: _____ %

Inverter UL 1741 Listed: Yes No

DC Source / Prime Mover:

Rating: _____ kW Rating: _____ kVA

Rated Voltage: _____ Volts

Open Circuit Voltage (if applicable): _____ Volts

Rated Current: _____ Amps

Short Circuit Current (if applicable): _____ Amps

Other Facility Information:

One Line Diagram attached: Yes

Plot Plan attached: Yes

Insurance Disclosure

The attached terms and conditions contain provisions related to liability and indemnification, and should be carefully considered by the interconnection customer. The interconnection customer shall carry general liability insurance coverage, such as, but not limited to, homeowners insurance. The interconnection customer shall name the City of Rock Falls as an additional insured on its homeowners insurance policy or similar policy governing general liability.

Customer Signature

I hereby certify that all of the information provided in this Interconnection Request Application Form is true.

Applicant Signature: _____

Title: _____ Date: _____

Conditional Agreement to Interconnect Distributed Generation Facility

By its signature below, the City of Rock Falls Electric Department has determined the interconnection request is complete. Interconnection of the distributed generation facility is conditionally approved contingent upon the attached terms and conditions of this Agreement, the return of the attached Certificate of Completion, duly executed verification of electrical inspection and successful witness test.

City of Rock Falls Electric Department Representative Signature: _____

Name: _____ Title: _____

Date: _____

Certificate of Completion

To be completed and returned to the City of Rock Falls Electric Department Director when installation is complete and final electric inspector approval has been obtained*

Interconnection Customer Information

Customer Name: _____
Primary Contact: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Fax Number: _____ E-Mail Address: _____

Installer

Check if owner-installed

Name: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Telephone (Daytime): _____ (Evening): _____
Fax Number: _____ E-Mail Address: _____

Final Electric Inspection and Interconnection Customer Signature

The distributed generation facility is complete and has been approved by the local electric inspector having jurisdiction. A signed copy of the electric inspector's form indicating final approval is attached. The interconnection customer acknowledges that it shall not operate the distributed generation facility until receipt of the final acceptance and approval by the City Electric Department as provided below.

Signed: _____ Date: _____
(Signature of interconnection customer)

Printed Name: _____

Check if copy of signed electric inspection form is attached

Check if copy of as built documents is attached (projects larger than 10 kVA only)

Acceptance and Final Approval for Interconnection (for utility 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 the City Electric Department:

Date of successful Witness Test: _____ Passed: (Initial) _____

City of Rock Falls Electric Department Signature: _____

Printed Name: _____ Title: _____

Date: _____

* Prior to interconnected operation, the interconnection customer is required to complete this form and return it to the City Electric Department.