

ADGENDA FOR ZONING BOARD OF APPEALS

“””””” NOTE DATE “”””””

OCTOBER 22, 2019 AT VILLAGE HALL IN DURAND, IL  
AT 7:00 P.M.

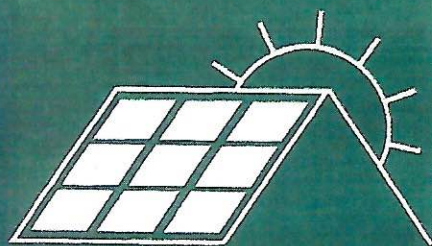
“””””””””” OPEN TO THE PUBLIC FOR QUESTION LIMITED TO 5 MINUTES “”””””””””

[1] PRESENTATION ABOUT SOLAR ENERGY BY JEFF FINN  
OF SMART ENERGY SOLUTIONS OF ELIZABETH, ILL

[2] OPEN MEETING FOR ZONING BOARD OF APPEALS FOR BUSINESS  
TO USE INFORMATION FROM SOLAR ENERGY SOLUTIONS.

JOHN SCOTT ZONING ADMINISTRATOR AND PLAT OFFER





SMART  
ENERGY  
SOLUTIONS

*Company.*  
*10-22-2019*

**JEFF FINN**

OWNER

jeff@energyanswers.net

815-858-5548

SMART ENERGY  
SOLUTIONS



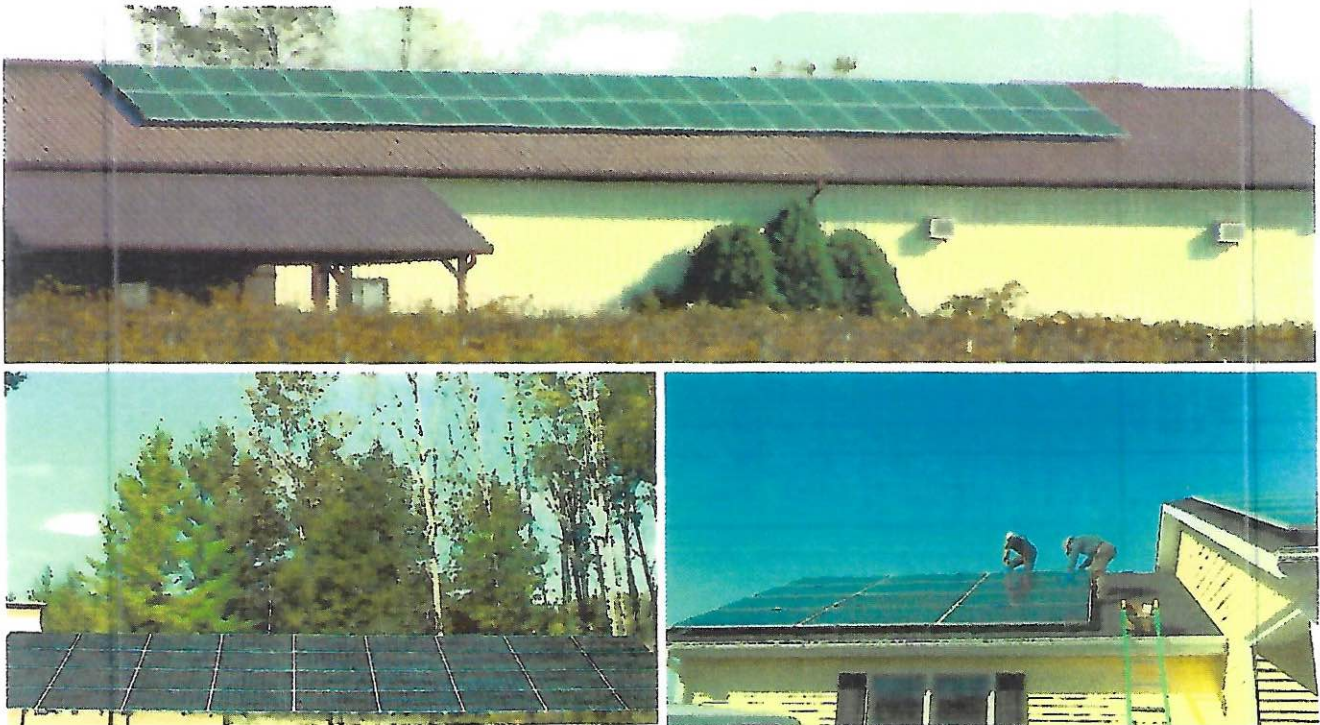
ENERGYANSWERS.NET

VILLAGE OF DURAND  
ZONING BOARD  
PRESENTATION



# ABOUT US

Our company was created to bring smart energy solutions at affordable prices to our clientele. We have 10 years of experience in the clean energy industry. We have a highly skilled work force that has a vast knowledge of the alternative energy field as well as years of experience in the construction industry.



Our project management process for your installation will ensure that you are consulted for all decisions and kept in the loop throughout the process. Project meetings are encouraged and owner input is greatly appreciated. Our job sites are well organized and cleaned at the end of each work day. A concerted effort is made to ensure that the installation does not interfere with your daily function and flow. We strive to provide products made in America!

# THE SMART ENERGY SOLUTIONS PROCESS



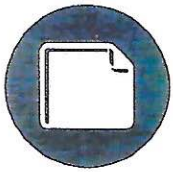
## **Initial Visit**

First, we set up a meeting to collect a few basic bits of information that will help us begin the process of a solar project. At this time, we also arrange to pick up a copy of your utility bill so we can use it later in the process.



## **Site Visit**

Next we schedule a visit to the proposed location for solar. We conduct a free shading study of the property. We also take measurements for roof and ground mounts. This is all done to assess how suitable the property is for a solar system.



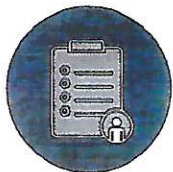
## **Bid**

So, here is where we put it all together. Our bid tool is very thorough and provides specs on your system, system cost, system cost offsets, cash flow analysis, payment options, testimonials, and the background of our company.



## **Contract**

Using the information from the bid we create a contract that is specific to your system. The contract specifies the system's components and how the system will be installed. We meet with the client and review the contract in detail and then both parties sign.



## **Building Department Permit Application**

In most cases a solar array will require a building permit to proceed. We will complete all required steps and apply for the building permit on our clients behalf. The expense of the permit is also taken care of by Smart Energy Solutions.



## **Interconnection Application**

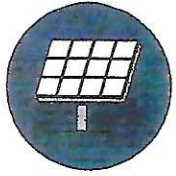
Most of the systems we install are "grid tied" systems. The utility company has guidelines that must be met for these systems to work safely and effectively. Smart Energy Solutions has a 100% interconnection rate and this process takes 2-6 weeks.





### **Solar Renewable Energy Credits Program**

For those states that participate in the SREC program, Smart Energy Solutions will complete the application for these funds. This is a complex process and we have a dedicated staff member that handles all these applications.



### **Installation**

We have an outstanding crew that takes great pride in the projects we build. We keep the job sites clean and have an open line of communication with our clients. We also follow up after a project's completion and continue to provide service as needed.



### **Inspection**

Our Electricians will review the final installation and provide a Certificate of Completion that will be filled with the parties involved in order to turn the system on. We complete this process for our clients and have a 100% connection rate.



### **Interconnection**

This is the exciting part of the process. The utility company will conduct a site inspection and their goal is to make sure that the connection to their system is right and that the solar array will operate in a safe manner with the utility company.



### **Tax Filing**

Smart Energy will assist our clients in filing the tax credit form which is a simple one-page document that is attached to the client's tax filing. We also recommend discussing your tax filing with whoever does your taxes.



### **Warranty Work**

We are a company that has been building solar projects for over a dozen years and we have ownership that has extensive experience in the field as an electrician. We are committed to the success of your system and we will provide warranty work as needed.

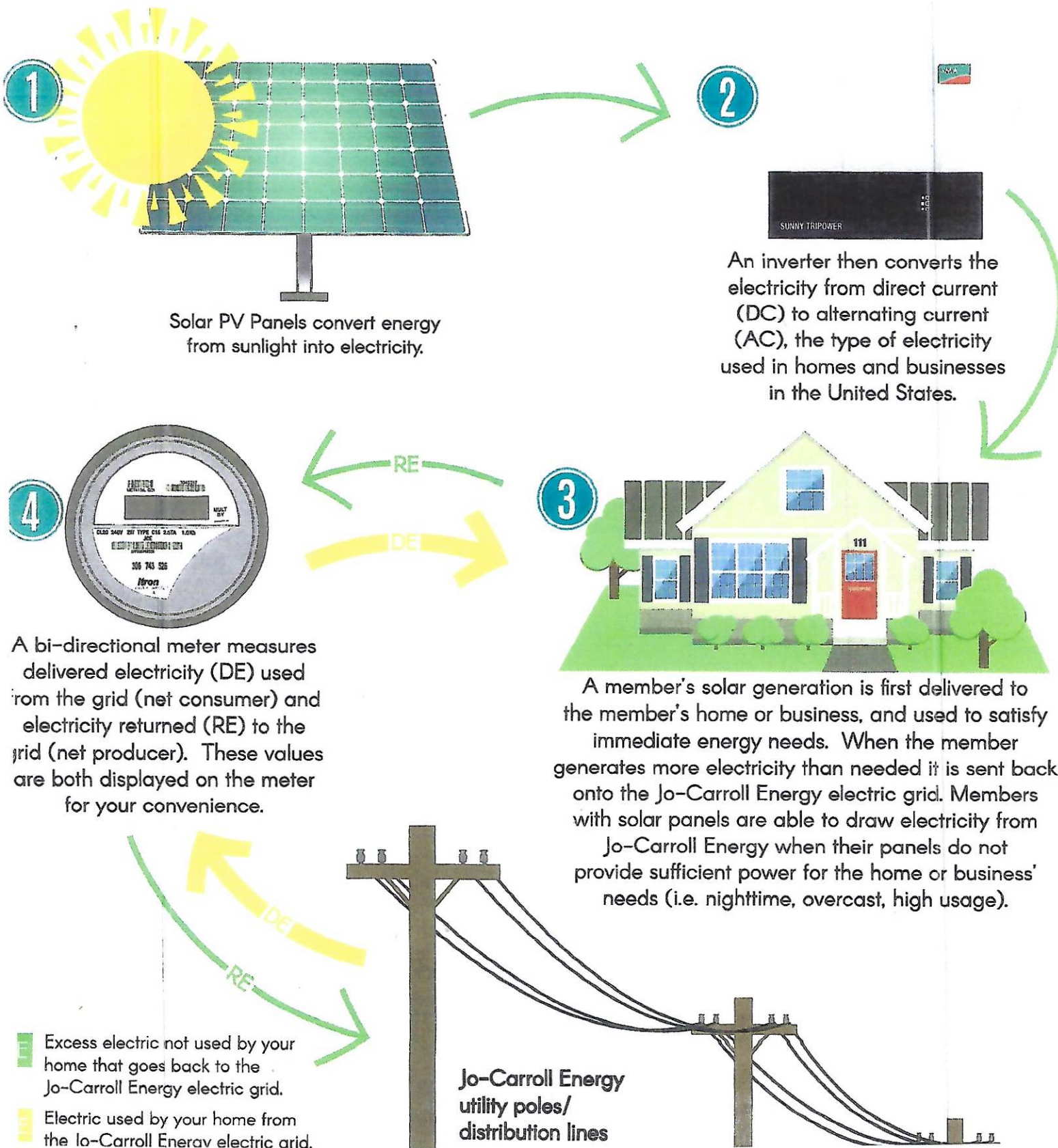


Jo-Carroll Energy

Your Touchstone Energy® Cooperative

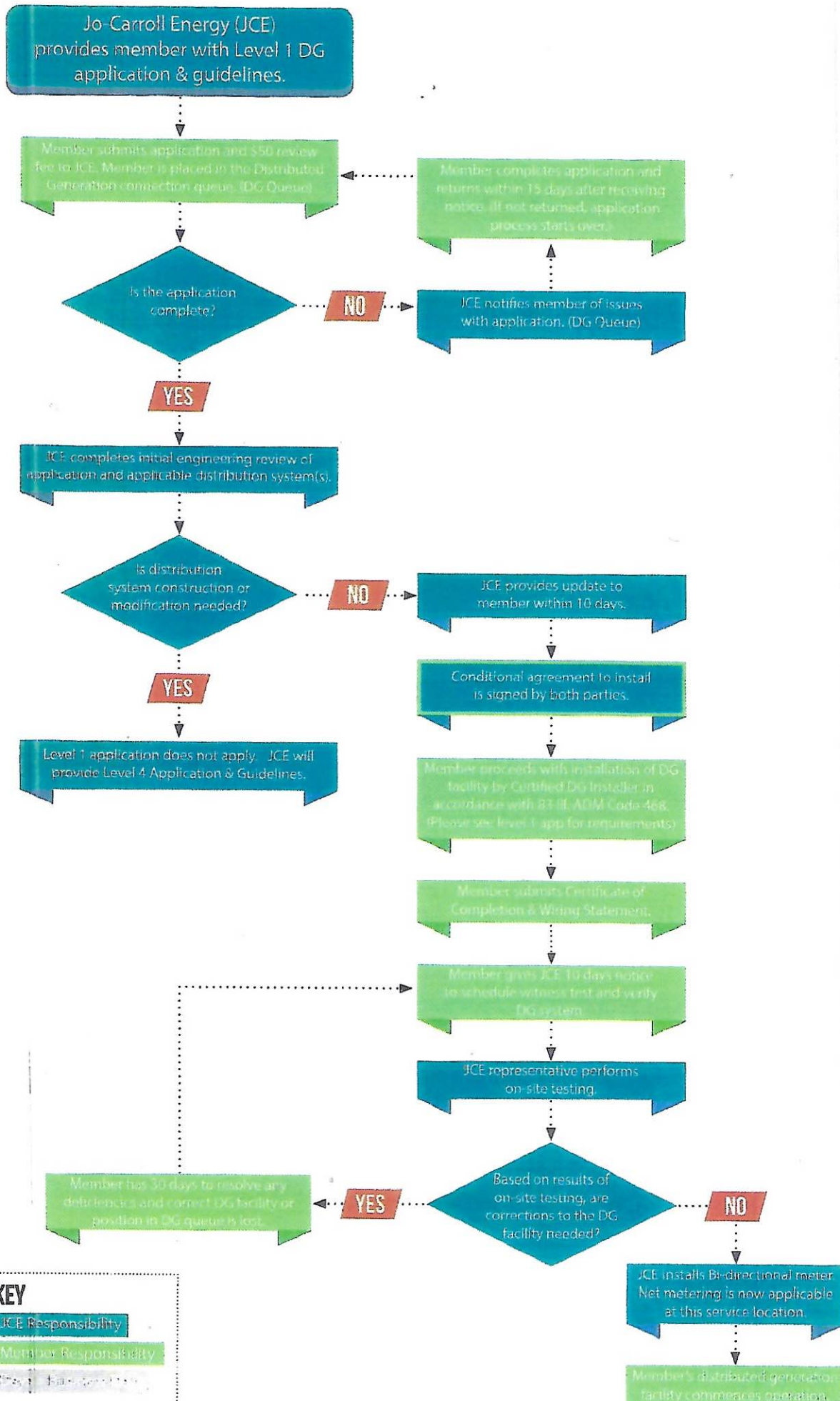
# DISTRIBUTED GENERATION NET METERING

Solar Photovoltaic Example





# LEVEL 1 ≤ 10 KVA (OR KW) AC



# Building Permit Application

Jo Daviess County

## Planning & Development

1 Commercial Drive Suite 1, Hanover, IL 61041  
Telephone: (815) 591-3810 Fax: (815) 591-2728  
Email: [buildingandzoning@jodaviess.org](mailto:buildingandzoning@jodaviess.org)

Date Received: \_\_\_\_\_ Plan Approval By \_\_\_\_\_ Permit #: \_\_\_\_\_  
Zoning: \_\_\_\_\_ Date Issued: \_\_\_\_\_  
Zoning Request #: \_\_\_\_\_ Site Approval By \_\_\_\_\_ Payment: \_\_\_\_\_  
Septic #: \_\_\_\_\_ Permit Fee: \$ \_\_\_\_\_

Owner Name(s): \_\_\_\_\_ Email: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Cell: \_\_\_\_\_

Site Address: \_\_\_\_\_ City: \_\_\_\_\_ Township: \_\_\_\_\_

PIN: 43- \_\_\_\_\_ Subdivision: \_\_\_\_\_ Lot: \_\_\_\_\_ Section: \_\_\_\_\_

Value of Project excluding land: \_\_\_\_\_

### Purpose of Permit:

- ☐ New Home
- ☐ Addition
- ☐ Remodel/Repair
- ☐ Deck
- ☐ Garage Attached
- ☐ Garage Detached
- ☐ Accessory Structure
- ☐ Commercial
- ☐ Agriculture (extra submittals required)
- ☐ Mobile Home
- ☐ Multifamily
- ☐ Other

### Foot Print/ Square Footage:

Accessory Building: \_\_\_\_\_  
Attached Garage: \_\_\_\_\_  
Detached Garage: \_\_\_\_\_  
Addition: \_\_\_\_\_  
Main Level: \_\_\_\_\_  
Finished Basement: \_\_\_\_\_  
Unfinished Basement: \_\_\_\_\_  
Finished Upper Level: \_\_\_\_\_  
Unfinished Upper Level: \_\_\_\_\_  
Deck(s): \_\_\_\_\_  
Front Stoop/Porch: \_\_\_\_\_  
Sunrooms: \_\_\_\_\_  
Number of Bedrooms: \_\_\_\_\_  
Number of Bathrooms: \_\_\_\_\_  
Other: \_\_\_\_\_

### SUBMIT THE FOLLOWING:

- Two (2) Complete Sets of Building Plans with typical wall section
- Two (2) Sets of Survey/Site Plan
- Copy of Septic Permit
- New Address Application, if applicable
- If Ag structure, Ag Exemption Statement & Affidavit.

### CONSTRUCTION SHALL NOT BEGIN UNTIL PERMIT HAS BEEN ISSUED.

Call 24 Hours in Advance to Schedule Inspections: 1-815-591-3810.

It is the responsibility of the owner/contractor to contact the P&D Dept. for any and all inspections.

### Four (4) Inspections Required:

1. Footings when ready to be poured.
2. Framing completed, prior to siding
3. Rough-in for Electrical, Plumbing and Mechanical. Before Insulation
4. Final, Prior to Occupancy.

### Contractor Info:

General Contractor: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Plumber: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Concrete: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Electrician: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

The undersigned hereby applies to the County of Jo Daviess for a permit to erect the structure or part thereof described herein and agrees to comply with all county ordinances related thereto. No error or omission in either the plans or application, approved by the building official, shall permit the applicant to do any construction other than as provided in said ordinances. I have read this application and understand it and declare that the statements are true and accurate to the best of my knowledge and belief.

Applicant Signature (Owner or Agent)

Date

**\*\*DO NOT OCCUPY BUILDING UNTIL FINAL OCCUPANCY CERTIFICATE HAS BEEN ISSUED\*\***

White: Building File

Canary: Supervisor of Assessments

Pink: Permittee



Section 318 – Appendix C – Level 1 Application and Contract

**Jo-Carroll Energy INC. (NFP) Standard Distributed Generation Interconnection  
Level 1  
Interconnection Request Application Form and  
Conditional Agreement to Interconnect  
(Lab-Certified Inverter-Based Distributed Generation Facilities 10 kVA and Smaller)**

AN APPLICATION FEE OF \$50.00 MUST BE SUBMITTED WITH THE APPLICATION.

**Interconnection Applicant Contact Information**

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

**Alternate Contact Information (if different from Applicant)**

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

**Equipment Contractor**

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Section 318 – Appendix C – Level 1 Application and Contract

**Electrical Contractor (if Different from Equipment Contractor):**

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

License number: \_\_\_\_\_

Active License? Yes ☐ No ☐

Certified Distributed Generation Installer Certificate Docket Number: \_\_\_\_\_

All interconnected Facilities must be either installed or inspected by a certified distributed generation installer in accordance with [83 Ill. Adm. Code 468]. For additional information see the hyperlink below.

<https://www.icc.illinois.gov/Electricity/authorities/DistributedGenerationCertification.aspx>

Is the Interconnection Member requesting Net Metering in accordance with the Cooperatives Net Metering Policies?

☐ ☐  
Yes No

**Distributed Generation Facility ("Facility") Information**

Facility Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

X Account Number of Facility site (existing Member) : \_\_\_\_\_

Inverter Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

Is the inverter lab-certified? 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 ☐ Reciprocating Engine ☐ Fuel Cell ☐  
Turbine ☐ Other \_\_\_\_\_  
Energy Source: Solar ☐ Wind ☐ Hydro ☐ Diesel ☐  
Natural Gas ☐ Fuel Oil ☐ Other \_\_\_\_\_



## Section 318 – Appendix C – Level 1 Application and Contract

Commissioning Date: \_\_\_\_\_  
(If the Commissioning Date changes, the interconnection Member must inform the Cooperative 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 Member. The interconnection Member shall carry general liability insurance coverage, such as, but not limited to, homeowner's insurance. Whenever possible, the interconnection Member shall name the Cooperative as an additional insured on its homeowner's insurance policy, or similar policy covering general liability.

### **Member 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.

1 X Member Signature: \_\_\_\_\_  
Title: \_\_\_\_\_ Date: \_\_\_\_\_

### **Conditional Agreement to Interconnect Distributed Generation Facility**

Receipt of the application fee is acknowledged and, by its signature below, the Cooperative 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.

Cooperative  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Name: \_\_\_\_\_ Title: \_\_\_\_\_