INSTRUCTIONS

SUBMIT THIS FORM DIRECTLY TO YOUR ELECTRIC COOPERATIVE

Notice: This form must be completed and submitted with fees established in Table III of the Interconnection Requirements of Wisconsin Electric Cooperatives (IRWEC), which are also shown below. Personal information collected will be used for administrative purposes only.

This application form is for interconnection to the electric distribution system of distributed energy resource (DER) systems sized up to 15 megawatts (MW) alternating current (AC) and associated equipment in compliance with the IRWEC.

If a DER Facility has an interconnection agreement but has simply changed ownership, do not fill out this form. Fill out "Change of Ownership Form for DER Systems."

| Cooperative DER Fee Schedule | | | | | | |
|------------------------------|-------------------------------|---------------------------|---------------------------|---------------------------|----------------------|--|
| Category | Export Capacity | Application Review Fee | Engineering Review Fee | Distribution System Study | Commissioning Fee | |
| 1 | 20 kW or less | \$300 | Cost based | Cost based | \$150 | |
| 2 | Greater than 20 kW to 200 kW | \$300 + \$10/kW | Cost based | Cost based | \$250 | |
| 3 | Greater than 200 kW to 1 | \$2,000 + \$2/kW | Cost based | Cost based | \$1,000 | |
| 4 | Greater than 1 MW to 15 MW | \$4,000 + \$0.50/kW | Cost based | Cost based | \$2,500 | |

An applicant seeking to interconnect a distributed energy resource facility to the distribution system of an electric cooperative shall maintain liability insurance equal to or greater than the amounts stipulated in the Table below, per occurrence.

| Minimum Liability Insurance Coverage | | | | | |
|--------------------------------------|------------------------------|---|--|--|--|
| Category | Generation Capacity | Minimum Liability Insurance Coverage | | | |
| 1 | 20 kW or less | \$300,000 | | | |
| 2 | Greater than 20 kW to 200 kW | \$1,000,000 | | | |
| 3 | Greater than 200 kW to 1 MW | \$2,000,000 | | | |
| 4 | Greater than 1 MW to 15 MW | Negotiated | | | |

Wisconsin Electric Cooperative DER Application Form

COLORED SECTIONS OF THIS FORM CORRESPOND WITH DIFFERENT SYSTEM TYPES: SOLAR WIND STORAGE GENERATORS - COMPLETE ALL NON-HIGHLIGHTED SECTIONS AND ANY HIGHLIGHTED SECTIONS THAT APPLY

1. APPLICANT CONTACT INFORMATION

| Street Address City State Zip Code Primary Phone Number Additional Emergency Phone Electric Service Account No. Meter Number Latitude – Longitude (Optional) County Does this application relate to a change or modification of an existing system? If there is already generation at the point of interconnection, this is a modification, and the total expectapacity kW in alternating current at this location (existing plus addition) shall be used within this application. Yes, this is a modification No, there is no generation currently at this point of interconnection. Residential Farm Commercial Industrial Other (list below) | | | | | | |
|--|--|-----------------|--|----------------------|------------------------------|----------------------|
| Street Address City State County Primary Phone Number Additional Emergency Phone Email Address 2. LOCATION OF THE DER SYSTEM Street Address City State Zip Code Primary Phone Number Additional Emergency Phone Electric Service Account No. Meter Number Latitude – Longitude (Optional) County Does this application relate to a change or modification of an existing system? If there is already generation at the point of interconnection, this is a modification, and the total expectapacity kW in alternating current at this location (existing plus addition) shall be used within this application. Yes, this is a modification No, there is no generation currently at this point of interconnection. Yes, this is a modification No, there is no generation currently at this point of interconnection. Residential Farm Commercial Industrial Other (list below) | Last Name | | First Name | | Middle Name | |
| Primary Phone Number Additional Emergency Phone Email Address 2. LOCATION OF THE DER SYSTEM Street Address City State Zip Code Primary Phone Number Additional Emergency Phone Electric Service Account No. Meter Number Latitude – Longitude (Optional) County Does this application relate to a change or modification of an existing system? If there is already generation at the point of interconnection, this is a modification, and the total expectapacity kW in alternating current at this location (existing plus addition) shall be used within this application. Yes, this is a modification No, there is no generation currently at this point of interconnectance. 3. MEMBER SERVICE TYPE Residential Farm Commercial Industrial Other (list below) | Company (If Applic | eable) | Representative (If Applicable) | | Title | |
| 2. LOCATION OF THE DER SYSTEM Street Address City State Zip Code Primary Phone Number Additional Emergency Phone Electric Service Account No. Meter Number Latitude – Longitude (Optional) County Does this application relate to a change or modification of an existing system? If there is already generation at the point of interconnection, this is a modification, and the total expectapacity kW in alternating current at this location (existing plus addition) shall be used within this application. Yes, this is a modification No, there is no generation currently at this point of interconnection. MEMBER SERVICE TYPE Residential Farm Commercial Industrial Other (list below) | Street Address | | City | State | County | |
| Street Address City State Zip Code Primary Phone Number Additional Emergency Phone Electric Service Account No. Meter Number Latitude – Longitude (Optional) County Does this application relate to a change or modification of an existing system? If there is already generation at the point of interconnection, this is a modification, and the total expectagacity kW in alternating current at this location (existing plus addition) shall be used within this application. Yes, this is a modification No, there is no generation currently at this point of interconnection. MEMBER SERVICE TYPE Residential Farm Commercial Industrial Other (list below) | Primary Phone Nur | nber | Additional Emergency Phone | | Email Addres | S |
| Primary Phone Number Additional Emergency Phone Electric Service Account No. Meter Number Latitude – Longitude (Optional) County Does this application relate to a change or modification of an existing system? If there is already generation at the point of interconnection, this is a modification, and the total expectapacity kW in alternating current at this location (existing plus addition) shall be used within this application. Yes, this is a modification No, there is no generation currently at this point of interconnection. Residential Farm Commercial Industrial Other (list below) | 2. LOCATION OF TH | IE DER SYSTEM | 1 | | | |
| Meter Number Latitude – Longitude (Optional) County Does this application relate to a change or modification of an existing system? If there is already generation at the point of interconnection, this is a modification, and the total expectapacity kW in alternating current at this location (existing plus addition) shall be used within this application. Yes, this is a modification No, there is no generation currently at this point of interconnecta. MEMBER SERVICE TYPE Residential Farm Commercial Industrial Other (list below) 4. APPLICANT'S OWNERSHIP INTEREST IN THE DER SYSTEM | Street Address City | | City | | State | Zip Code |
| Does this application relate to a change or modification of an existing system? If there is already generation at the point of interconnection, this is a modification, and the total expectance of the content of the connection o | Primary Phone Number | | Additional Emergency Phone | | Electric Service Account No. | |
| If there is already generation at the point of interconnection, this is a modification, and the total expectance capacity kW in alternating current at this location (existing plus addition) shall be used within this application. Yes, this is a modification No, there is no generation currently at this point of interconnects. **Residential Farm Commercial Industrial Other (list below) **APPLICANT'S OWNERSHIP INTEREST IN THE DER SYSTEM** | Meter Number | | Latitude – Longitude (Optional) | | County | |
| 3. MEMBER SERVICE TYPE Residential Farm Commercial Industrial Other (list below) 4. APPLICANT'S OWNERSHIP INTEREST IN THE DER SYSTEM | If there is already ge capacity kW in alter | neration at the | point of interconr | nection, this is a n | nodification, an | • |
| □ Residential □ Farm □ Commercial □ Industrial □ Other (list below) 4. APPLICANT'S OWNERSHIP INTEREST IN THE DER SYSTEM | \square Yes, this is a modification | | \square No, there is no generation currently at this point of interconnectio | | | t of interconnection |
| 4. APPLICANT'S OWNERSHIP INTEREST IN THE DER SYSTEM | 3. MEMBER SERVIC | E TYPE | | | | |
| | □Residential | □Farm | □Commercial | □Industrial | □Other (list b | elow) |
| □Owner □Co-Owner □Other (list below) | 4. APPLICANT'S OV | VNERSHIP INT | EREST IN THE DE | ER SYSTEM | | |
| | □Owner | □Co-Owner | □Other (l | ist below) | | |

Wisconsin Electric Cooperative DER Application Form 5. PRIMARY INTENTION OF DER SYSTEM \square Net Metering \square Certified Qualifying Facility under PURPA (Public Utility Regulatory Policies Act of 1978) ☐ Offset load, non-export of power ☐ Other (describe below) 6. TYPE OF INTERCONNECTION \square Parallel Operation (operation for more than 100 milliseconds while connected to distribution system) \square Momentary parallel operation (less than or equal to 100 millisecond connection) or isolated operation/open transition 7. ELECTRICITY USE, PRODUCTION, AND PURCHASES a. Anticipated annual electricity consumption of the facility or site: kWh/yr b. Anticipated annual electricity production of the generation system: kWh/yr c. Anticipated annual electricity purchases from the Cooperative (a – b) * Value will be negative if there are net sales to the Cooperative 8. PROJECT DESIGN AND ENGINEERING Company Representative Title **Email Address Phone Number** 9. INSTALLING CONTRACTOR INFORMATION (IF KNOWN) Electrical Contractor's License Number Company

Title

Phone Number

Representative

Email Address

Wisconsin Electric Cooperative DER Application Form 10. GENERATION TYPE ☐ Single Phase ☐Three-Phase If three-phase, specify configuration below: ☐ 3-wire delta \square 2-wire wye ☐4-wire grounded wye 11. IF PROTECTIVE EQUIPMENT IS SEPARATE FROM THE INVERTER, PROVIDE A PROTECTION AND CONTROL DIAGRAM ALONG WITH DATA SHEETS ON ALL RELATED EQUIPMENT IN ACCORDANCE WITH IRWEC. IF EQUIPMENT IS KNOWN, ATTACH MANUFACTURER SPECIFICATION DATA SHEETS 12. GENERATOR AND INVERTER INFORMATION - COMPLETE ONLY THE COLOR-CODED SECTIONS THAT APPLY 12.1 SOLAR GENERATOR AND INVERTER INFORMATION Watts Solar Panel Manufacturer Rated Power Per Panel kW Model Number Number of Panels System's Total AC Rating ☐ Fixed Mount ☐ Single-axis tracking □ Dual-axis tracking □ Other (describe below) Tilt Azimuth Inverter Manufacturer Inverter Model Number Power Factor Adjustment Range Inverter Maximum Nameplate AC Rating Volts **Total Number of Inverters** Certifications (e.g. UL) 12.1.A – INTERCONNECTION DISCONNECT SWITCH SHORT CIRCUIT CURRENT SPECIFICATIONS a. Total short circuit current contribution of the generating system (at point of interconnection) in amps:

Single Phase Three-Phase Symmetrical Asymmetrical

b. Load break capability rating of disconnection device in amps (must be equal to or greater than part a)

Single Phase Three-Phase Symmetrical Asymmetrical

Wisconsin Electric Cooperative DER Application Form 12.1.B – IF APPLICABLE – 2ND TYPE OF SOLAR INVERTER

| Inverter Manufacturer | Inverter Model Number | |
|--|--|-----------------|
| involtor riamatastaror | involtor i lodottivambol | |
| | min | max. |
| Inverter Maximum Nameplate AC Rating Volts | s Power Factor Adjustment Range | |
| | | |
| Total Number of Inverters | Certifications (e.g. UL) | |
| 120/ | 1378 | |
| System Total AC Rating* | kVA | |
| - System rotative riding | | |
| 12.1.C - INTERCONNECTION DISCONNECT SWI | ITCH SHORT CIRCUIT CURRENT SPECIF | ICATIONS |
| a. Total short circuit current contribution of the ge | enerating system (at point of interconnec | tion) in amps: |
| Single Phase Thre | ee-Phase Symmetrical | Asymmetrical |
| b. Load break capability rating of disconnection d | evice in amps (must be equal to or great | er than part a) |
| Single Phase Thre | ee-Phase Symmetrical | Asymmetrical |
| 12.2 WIND GENERATOR AND INVERTER INFORM | 1ATION | |
| | | |
| | | |
| Wind Turbine Manufacturer | | |
| | | |
| Model Number | Number of Turbines | |
| 0 | | |
| Generator Technology: ☐ Synchronous ☐ Power Electronic C | ☐ Induction ☐ Dually-Fed Induction ☐ Other (specify below) | |
| ower Etectronic e | Detroit (Speelly Below) | |
| | | |
| | | |
| Rated Power of Each Turbine | At Average Wind Speed | |
| Rated Power of Each furbline | At Average Wind Speed | |
| kW | mph | |
| Maximum Power of Each Turbine | At Maximum Wind Speed | |
| Inrush (Startup) Current – Induction Machines O | nly Amps | |

Wisconsin Electric Cooperative DER Application Form 12.2.A – IF APPLICABLE

| Inverter Manufacturer | Inverter Model Number | |
|--|--------------------------------|----------------------------|
| | min. | max. |
| Inverter Maximum Nameplate AC Rating Volts | Power Factor Adjustmen | t Range |
| | | |
| Total Number of Inverters | Certifications (e.g. UL) | |
| 1247 | | |
| Rated Power of Each Turbine | At Average Wind Speed | mph |
| nated Fower of Each Farbine | Activorage will opeca | |
| kW | | mph |
| Maximum Power of Each Turbine | At Maximum Wind Speed | |
| Inrush (Startup) Current – Induction Machines Only | | Amps |
| | | |
| 12.2.B – INTERCONNECTION DISCONNECT SWITCH | H SHORT CIRCUIT CURREN | IT SPECIFICATIONS |
| a. Total short circuit current contribution of the gener | rating system (at point of int | terconnection) in amps: |
| | | |
| Single Phase Three-P | hase Symmetrical | Asymmetrical |
| b. Load break capability rating of disconnection device | ce in amps (must be equal t | to or greater than part a) |
| Single Phase Three-P | hase Symmetrical | Asymmetrical |
| 12.3 ENERGY STORAGE SYSTEM INFORMATION (col | ntinued on next page) | |
| | 7 0 7 | |
| Energy Charage Cychara Manufachurar | | |
| Energy Storage System Manufacturer | | |
| Frank Otani da Oratana Maria I Nama and I Nama | North and Francis Observation | . Hadaa |
| Energy Storage System Model Name and/or No. | Number of Energy Storage | Units |
| kW (DC) | | kWh |
| Nameplate Rating (Per Unit) | Nameplate Capacity (Per | Unit) |
| Energy Storage Type: □Lithium-ion battery □F | low battery (specify below) | |
| | Other (specify below) | |
| | | |
| | | |

Wisconsin Electric Cooperative DER Application Form

12.3 ENERGY STORAGE SYSTEM INFORMATION (Continued)

| Control System Manufacturer Controller Model | | | odel | | |
|--|------------------|----------------|-------------------|----------|-------------|
| TOTAL ENERGY STORAGE SYSTEM R | ATINGS: | | | | |
| kW (DC) | kVA | kWh | | | |
| Total Nameplate Rating | | rgy Capacity | System Voltage | System I | requency |
| kW (DC) | kVA | | kW (DC) | | kVA |
| Maximum Charging Power | | Maxim | num Discharging F | Power | |
| kW (AC) | | kWh (| (AC) | | kW (AC) |
| ESS Maximum Continuous Output | | | | | _ |
| % | | | | | hours |
| Maximum Depth of Discharge | Maximum Dur | ation at Maxim | านm Discharge (C | Rate) | _ |
| Certifications (e.g. UL): | | | | | |
| Is a generation source included in t | | | | □Yes | □No |
| If yes, what type? | | | | | |
| 12.3.A – OPERATING MODES | | | | | |
| 12.3.A - OPERATING MODES | | | | | |
| Operating Modes Available | | | | | |
| Operating Modes Enabled | | | | | |
| Firmware Version | | | | | |
| | | | | | |
| Will the system export energy to the | grid? □Yes | □No | | | |
| Will the system charge from the grid | ? □Yes | □No | | | |
| If not, what generation source char | ges the energy s | torage system | ? | | |
| Location of transfer switch? | ☐Integrated with | inverter □ | External | | |

Wisconsin Electric Cooperative DER Application Form

12.3.B – INTERCONNECTION DISCONNECT SWITCH SHORT CIRCUIT CURRENT SPECIFICATIONS

| a. Total short circuit current contrib | oution of the generating sy | stem (at point o | f interconnection) in amps: |
|--|-------------------------------------|---------------------|--------------------------------|
| Single Phase | Three-Phase Sy | mmetrical _ | Asymmetrical |
| b. Load break capability rating of di | sconnection device in am | ps (must be equ | ual to or greater than part a) |
| Single Phase | Three-Phase Sy | mmetrical _ | Asymmetrical |
| 12.4 ENGINE/GENERATOR INFOR | MATION (Applies only if ut | tilizing closed-tra | ansition switch) |
| Engine/Generator Manufacturer | | | |
| Model Number | Numb | er of Units Instal | lled |
| Generation Type: ☐Synchronou | us □Induction □O | ther (provide att | achments to describe) |
| INTERFACE INFORMATION: GENER | RATOR SYNCHRONIZER | | |
| | | | kVA |
| Manufacturer | Switch | Rating | |
| Model No. | | | |
| ☐ Automatic Synchronizer | ☐ Manual Synchronizer | | |
| Fuel Source: □Diesel □Petro | oleum □Natural Gas | □Biogas | □Other (specify below) |
| GENERATOR MAXIMUM RATINGS | | | |
| kW kVA | Volts Amps | Hz | Power Factor % |
| Power Factor Adjustment Range | | min | max |
| Neutral Grounding System Used: | □Ungrounded □G □Grounding Impedance | rounded | Z |

| Wisconsin Electric Coop | perative DER Appli | cation Form | |
|----------------------------------|---------------------------|-----------------------------------|-------------------------|
| For Synchronous Generators | | For Induction Generators (k | VA Base) |
| Synchronous Resistance | (X _d %) | Locked Rotor Current | Amps |
| Transient Resistance | (X _d , %) | Stator Leakage Resistance | (R _s %) |
| Sub-transient Resistance | (X _d " %) | Rotor Resistance | (R _r %) |
| Zero Sequence Resistance | (X ₀ %) | Rotor Leakage Resistance | (R _l %) |
| Negative Sequence Resistan | ce (X ₁ %) | | |
| For induction machines, wha | at is the inrush (startup | o) current | Amps |
| If the generator is > 1 MW (Car | egory 4) provide the fo | ollowing: | |
| M1 | (momentum constan | t) Stator Reactance | (X _s %) |
| M2 | (momentum constan | t) Rotor Reactance | (X _r %) |
| Field Voltage | Volts | Magnetizing Reactance | e (X _m %) |
| Field Current | Amps | Short Circuit Reactanc | e (X _d %) |
| If the system includes more than | one type of engine/gene | erator, include additional copies | of this page as needed |
| 12.4.A – SYSTEM TOTALS | | | |
| | | | 5 |
| KVV KVA _ | Volts | Amps Hz | Power Factor % |
| Total inrush (startup) current | Amps | | |
| 12.3.B – INTERCONNECTION | I DISCONNECT SWITC | H SHORT CIRCUIT CURRENT | SPECIFICATIONS |
| a. Total short circuit current c | ontribution of the gene | erating system (at point of inte | rconnection) in amps: |
| Single Phase | Three-I | Phase Symmetrical | Asymmetrical |
| b. Load break capability rating | s of disconnection devi | ice in amps (must be equal to | or greater than part a) |
| Single Phase | Three-I | Phase Symmetrical | Asymmetrical |

14. REQUESTED IN-SERVICE DATE 15. COST OF SYSTEM **16. LIABILITY INSURANCE** Carrier Limits **Agent Name** Phone Number **Email Address** \square Self-Insured (e.g., if a local unit of government) Note: Minimum liability insurance coverages are given within Table I in the IRWEC document (also shown on page 1 of application) Note: Applicant must also provide Proof of Insurance as an Attachment 17. DESIGN REQUIREMENTS a. Has the proposed paralleling equipment (such □Yes □No as an inverter) been certified by a nationally recognized testing laboratory? (e.g. UL 1741)? b. If certified, list the applicable certifications (e.g. UL 1741) c. If not certified, does the proposed DER meet □Yes □No the requirements defined in the respective Cooperative's Technical Specifications Manual (TSM)?

Wisconsin Electric Cooperative DER Application Form

13. ESTIMATED CONSTRUCTION START DATE

18. REQUIRED ATTACHMENTS \Box Technology-based attachments and related manufacturer specification data sheets. \square One-line schematic diagram of the system that includes: a. Generator(s), inverter(s), battery(ies), if applicable, and their nameplate capacities. b.C onductor and conduit size, type, and length. c.P oint where the DER facility is electrically connected to the member's electrical system. d. Method of interconnection. e. Point of common coupling. f. Production meter, if required by the Cooperative. g. Lockable interconnection disconnect switch. h. RSD such as a BESS emergency shutdown switch. i. Method of grounding, including generator and transformer ground connections. j. Protection functions and systems. ☐ Site plan showing the location of major equipment, electrical service entrance, electric meter, interface equipment, interconnection disconnect switch, adjoining street name, and the street address of the DER facility. ☐ Proof of insurance per Section 16. \square Proof of equipment certification or other compliance with requirements described in Section 17. 18. APPLICANT AND DESIGNER/ENGINEER SIGNATURE To the best of my knowledge, all the information provided in this Application Form is complete and correct.

Date

Date

Wisconsin Electric Cooperative DER Application Form

Applicant Signature

Project Designer/Engineer Signature