

**ADMINISTRATIVE CODE**

**TITLE 83: PUBLIC UTILITIES  
CHAPTER I: ILLINOIS COMMERCE COMMISSION  
SUBCHAPTER c: ELECTRIC UTILITIES  
PART 467 ELECTRIC INTERCONNECTION OF LARGE DISTRIBUTED ENERGY  
RESOURCES FACILITIES  
SECTION 467.APPENDIX B APPLICATION**

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**Section 467.APPENDIX B Application**

**Large Interconnection Request Application Form  
(Greater than 10 MVA)**

**Applicant Contact Information**

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

Company: \_\_\_\_\_

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

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

Telephone (Primary): \_\_\_\_\_ (Alternate): \_\_\_\_\_

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

**Alternative or Designated Representative Contact Information**

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

Company: \_\_\_\_\_

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

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

Telephone(Primary): \_\_\_\_\_ (Alternate): \_\_\_\_\_

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

**Distributed Energy Resources Facility Information**

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

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

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

Electric Distribution Company (EDC) serving Facility site: \_\_\_\_\_

Electric Supplier (if different from EDC): \_\_\_\_\_

Account Number of Facility site (existing EDC customers): \_\_\_\_\_

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

**Equipment Contractor (if known):**

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

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

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

Telephone (Primary): \_\_\_\_\_ (Alternate): \_\_\_\_\_

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

**Electrical Contractor (if known):**

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

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

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

Telephone (Primary): \_\_\_\_\_ (Alternate): \_\_\_\_\_

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

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

**Existing Electric Service Information for Customer Facility Where Generator Will Be Interconnected**

Check here if there is no existing electric service at the site

Capacity: \_\_\_\_\_ (Amps)      Voltage: \_\_\_\_\_ (Volts)

Type of Service:    Single-Phase                      Three-Phase

(If customer-provided) Three-Phase Transformer, Indicate Type:

Primary Winding      Wye                      Delta

Secondary Winding    Wye                      Delta

Transformer Size: \_\_\_\_\_ Impedance: \_\_\_\_\_

Point of Interconnection – Brief Description and Address of the Distributed Energy Resources

Location: \_\_\_\_\_

**Intent of Generation (check all that apply):**

Offset Load (Unit will operate in parallel, but will not export power to EDC)

Back-up Generation (Units that temporarily operate in parallel with the electric distribution system for more than 100 milliseconds)

Qualified Facility ("QF") under PURPA

Other, please describe: \_\_\_\_\_

Note: Backup units that do not operate in parallel for more than 100 milliseconds do not need an interconnection agreement.

**Generator & Prime Mover Information**

ENERGY SOURCE (Hydro, Wind, Solar, Process Byproduct, Biomass, Oil, Natural Gas, Coal, etc.):		
ENERGY CONVERTER TYPE (Wind Turbine, Photovoltaic Cell, Fuel Cell, Steam Turbine, etc.):		
NAMEPLATE CAPACITY: kW or kVA	NUMBER OF UNITS:	TOTAL EXPORT CAPACITY: kW or kVA
GENERATOR TYPE (Check one): Induction      Inverter      Synchronous      Other		

**Distributed Energy Resources Facility Information**

**Estimated Commissioning Test Date:** \_\_\_\_\_

*Note: Provide the following information to the extent known. The EDC will contact you for additional information that may be needed after reviewing the application.*

**List interconnection components/systems to be used in the distributed energy resources facility.**

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

**For Synchronous Machines:**

Manufacturer (when available): \_\_\_\_\_  
Model No. (when available): \_\_\_\_\_ Version No. (when available): \_\_\_\_\_

Submit copies of the Saturation Curve and the Vee Curve

Salient                          Non-Salient  
Rated RPM: \_\_\_\_\_ Field Amperes: \_\_\_\_\_ at rated generator  
voltage and current and \_\_\_\_\_ % PF over-excited

Type of Exciter: \_\_\_\_\_

Output Power of Exciter: \_\_\_\_\_

Type of Voltage Regulator: \_\_\_\_\_ Locked Rotor

Synchronous Speed: \_\_\_\_\_ RPM

Winding Connection: \_\_\_\_\_ Min. Operating Freq: \_\_\_\_\_

Generator Connection:          Delta                  Wye                  Wye Grounded

Direct-axis Synchronous Reactance: (Xd) \_\_\_\_\_ ohms

Direct-axis Transient Reactance: (X'd) \_\_\_\_\_ ohms

Direct-axis Sub-transient Reactance: (X''d) \_\_\_\_\_ ohms

Negative Sequence Reactance: \_\_\_\_\_ ohms

Zero Sequence Reactance: \_\_\_\_\_ ohms

Neutral Impedance or Grounding Resister (if any): \_\_\_\_\_ ohms

**For Induction Machines:**

Manufacturer: \_\_\_\_\_

Model No.: \_\_\_\_\_ Version No.: \_\_\_\_\_

Locked Rotor Current: \_\_\_\_\_ Amps

Rotor Resistance (Rr): \_\_\_\_\_ ohms Exciting Current: \_\_\_\_\_ Amps

Rotor Reactance (Xr): \_\_\_\_\_ ohms Reactive Power Required: \_\_\_\_\_

Magnetizing Reactance (Xm): \_\_\_\_\_ ohms \_\_\_\_\_ VARs (No Load)

Stator Resistance (Rs): \_\_\_\_\_ ohms \_\_\_\_\_ VARs (Full Load)

Stator Reactance (Xs): \_\_\_\_\_ ohms

Short Circuit Reactance (X'd): \_\_\_\_\_ ohms

Phases:        Single    Three-Phase

Frame Size: \_\_\_\_\_ Design Letter: \_\_\_\_\_ Temp. Rise: \_\_\_\_\_ °C.

**Limited Export and Non-Export Controls Information**

Manufacturer: \_\_\_\_\_

Model Number: \_\_\_\_\_

Limited Export or Non-Export?      Limited Export      Non-Export

Control Type:	_____ Reverse Power Protection	_____ Minimum Power Protection
	_____ Relative Distributed Energy	_____ Configured Power Rating
	_____ Resource Rating	_____ Limited Export using
	_____ Limited Export Power Control	_____ mutually agreed-upon
	_____ Systems	_____ means
	_____ Directional Power Protection	

Export Capacity Value: \_\_\_\_\_

Control Power Setting: \_\_\_\_\_

Control Power Time Delay (if any): \_\_\_\_\_



**Other Facility Information:**

One Line Diagram attached: Yes

Plot Plan attached: Yes

**Battery Storage Facility Information (If Applicable)**

Do the batteries share an inverter with a renewable energy system?  Yes  No

Does the applicant intend to have the batteries charged by the distribution grid?  Yes  No  
System

Manufacturer: \_\_\_\_\_

Model: \_\_\_\_\_

Battery Type: \_\_\_\_\_

Battery Charge/Discharge Rating (kW AC): \_\_\_\_\_

Maximum Battery Charge/Discharge Rate (kW AC per second): \_\_\_\_\_

Battery Energy Capacity (kWh): \_\_\_\_\_

Power Factor Settings  
Range: \_\_\_\_\_

**Battery Storage Inverter Information**

Energy System

Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_ Type:  Forced  Commutated

Line  
Commutated  
Rated Output Watts: \_\_\_\_\_ Volts: \_\_\_\_\_ Efficiency: \_\_\_\_\_ % Power Factor: \_\_\_\_\_ %

Inverter IEEE 1547 / UL 1741 Listed:  Yes  No

Number of Inverters: \_\_\_\_\_ Total Capacity: \_\_\_\_\_ kW

DC Source / Prime Mover: \_\_\_\_\_ - Rating: \_\_\_\_\_ kW Rating: \_\_\_\_\_

kVA Rated Voltage: \_\_\_\_\_ Volts

Open Circuit Voltage (If Applicable): \_\_\_\_\_ Volts

Rated Current: \_\_\_\_\_ Amps

**Battery Operational Information**

Backup – allows for partial or whole home transition to off-grid during a grid outage.  Yes  No

Solar Self-Powered – the battery will charge from the renewable energy source during normal operation and discharge to serve loads behind your meter.  Yes  No

Solar Non-Export – limits the export of energy to the grid to zero for both the battery and inverter, even if the battery system is fully charged and there is excess renewable source energy.  Yes  No

Time-Based Control (sometimes called time-of-use or TOU mode) – the battery charges during off-peak hours and discharges to serve onsite loads during on-peak hours.  Yes  No

Describe any other intended operation of the battery: \_\_\_\_\_  
\_\_\_\_\_

Comments or additional information: \_\_\_\_\_  
\_\_\_\_\_

**Customer Signature**

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

Applicant Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

An application fee must be submitted before the application can be processed. The application fee is \$15,000 for all Large (>10 MVA) Distributed Energy Resources Facilities. Of the total application fee, \$5,000 is nonrefundable, while the EDC shall apply the remaining \$10,000 toward any subsequent studies related to this application.

**EDC Acknowledgement**

Receipt of the application and fee is acknowledged. This acknowledgement does not preclude the requirement to furnish additional information by the applicant if requested by the EDC when it is necessary for the EDC's review under these procedures. When this interconnection request is deemed complete by the EDC, the EDC shall notify the interconnection customer in writing.

EDC Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

(Source: Amended at 46 Ill. Reg. 9788, effective May 26, 2022)