

Wind Turbine Supplement

Wisconsin Standard Distributed Generation Application Form

APPLICANT NAME

LAST NAME

FIRST NAME

MIDDLE NAME

1. WIND GENERATOR AND INVERTER INFORMATION

* Attach Manufacturer specification data sheets (If necessary)

WIND TURBINE MANUFACTURER

MODEL NUMBER

NUMBER OF TURBINES

Generator Technology: Synchronous Induction Dually-Fed Induction Power Electronic Converter
 Other

_____ **kW** _____ **mph**
RATED POWER OF EACH TURBINE AT AVERAGE WIND SPEED

_____ **kW** _____ **mph**
MAXIMUM POWER OF EACH TURBINE AT MAXIMUM WIND SPEED

For induction machines, what is the inrush (startup) current _____ **Amps**

IF APPLICABLE

*Attach pages as needed to identify additional makes or models

INVERTER MANUFACTURER

INVERTER MODEL NUMBER

_____ **(kW)** _____ **(kVA)** _____ **(voltage)** _____ **min** _____ **max**
INVERTER MAXIMUM NAMEPLATE AC RATING POWER FACTOR ADJUSTMENT RANGE

TOTAL NUMBER OF INVERTERS

CERTIFICATIONS (e.g. UL)

_____ **kW** _____ **mph**
TOTAL RATED POWER OF THE SYSTEM AT AVERAGE WIND SPEED

_____ **kW** _____ **mph**
TOTAL MAXIMUM POWER OF THE SYSTEM AT MAXIMUM WIND SPEED

Total inrush (startup) current = _____ **Amps**

2. GENERATION TYPE

Single Phase Three-phase If three-phase, specify configuration: 3 wire delta 2 wire wye 4 wire grounded wye

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3. INTERCONNECTION DISCONNECT SWITCH SHORT CIRCUIT CURRENT SPECIFICATIONS

3a) Total short circuit current contribution of the generating system (at point of interconnection)

_____ Amps (single phase) _____ Amps (three-phase symmetrical) _____ Amps (asymmetrical)

3b) Load break capability rating of disconnection device (Must be greater than or equal to #3a above)

_____ Amps (single phase) _____ Amps (three-phase symmetrical) _____ Amps (asymmetrical)

4. WILL APPLICANT INSTALL A DEDICATED TRANSFORMER?

Yes No If yes, specify winding configuration: _____ [HV winding] _____ [LV winding]

If Yes, provide the following and attach manufacturer specification data sheets

kVA rating _____ kVA Primary Volts _____ V

Secondary Volts _____ V Impedance _____ %

If three-phase, specify connection configuration: 3 wire delta 2 wire wye 4 wire grounded wye

5. PROTECTIVE EQUIPMENT (THIS MAY BE DETERMINED BY THE ELECTRIC SERVICE PROVIDER). IF EQUIPMENT IS KNOWN, ATTACH MANUFACTURER SPECIFICATION DATA SHEETS.

6. WILL AN ENERGY STORAGE SYSTEM BE INSTALLED? (IF SO, FILL OUT ENERGY STORAGE SUPPLEMENT AND ATTACH SPECIFICATION SHEETS)

Yes No If Yes, is specification sheet attached?

7. ANY ADDITIONAL COMMENTS?
