Energy Storage Supplement
Wisconsin Standard Distributed Generation Application Form

APPLICANT NAME

LAST NAME _____ FIRST NAME _____ MIDDLE NAME _____

1. ENERGY STORAGE SYSTEM INFORMATION

ENERGY STORAGE SYSTEM MANUFACTURER _____

ENERGY STORAGE SYSTEM MODEL NAME AND/OR NUMBER _____ NUMBER OF ENERGY STORAGE UNITS _____

_____ **kW (DC)** NAMEPLATE RATING (PER UNIT) _____ **kWh** ENERGY CAPACITY (PER UNIT)

Energy Storage Type: ☐ Lithium-ion battery ☐ Flow battery (specify) _____

☐ Lead-acid battery ☐ Other _____

CONTROL SYSTEM MANUFACTURER _____ CONTROLLER MODEL _____

TOTAL ENERGY STORAGE SYSTEM RATINGS:

_____ **kW (DC)** TOTAL NAMEPLATE RATING _____ **kVA** _____ **kWh** TOTAL ENERGY CAPACITY _____ **V** SYSTEM VOLTAGE _____ **Hz** SYSTEM FREQUENCY

_____ **kW (DC)** MAXIMUM CHARGING POWER _____ **kVA** _____ **kW (DC)** MAXIMUM DISCHARGING POWER _____ **kVA**

_____ **kW (AC)** ESS MAXIMUM CONTINUOUS OUTPUT _____ **kWh (AC)** ESS MAXIMUM USABLE ENERGY _____ **kW (AC)** ESS PEAK OUTPUT

_____ **%** MAXIMUM DEPTH OF DISCHARGE _____ **hours** MAXIMUM DURATION AT MAXIMUM POWER (C RATE)

Certifications (e.g. UL) _____

Is a generation source included in the distributed generation facility at this point of interconnection? ☐ Yes ☐ No

If yes, what type? _____

2. 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 no, what generation source charges the energy storage system? _____

Point of energy storage system interconnection? ☐ DC coupled ☐ AC coupled

Location of transfer switch? ☐ Integrated with inverter ☐ External

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 YOU 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

Nameplate 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. IF PROTECTIVE EQUIPMENT IS SEPARATE FROM THE INVERTER, PROVIDE A PROTECTION AND CONTROL DIAGRAM ALONG WITH DATA SHEETS ON ALL RELATED EQUIPMENT (THIS MAY BE DETERMINED BY THE ELECTRIC SERVICE PROVIDER). IF EQUIPMENT IS KNOWN, ATTACH MANUFACTURER SPECIFICATION DATA SHEETS.

6. ANY ADDITIONAL COMMENTS?