# 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**

_____ **%** 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 _____

# Energy Storage Supplement
# Wisconsin Standard Distributed Generation Application Form

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 ☐ 3-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?