

**BOROUGH OF MADISON – ELECTRIC DEPARTMENT
INTERCONNECTION APPLICATION/AGREEMENT
FOR NET METERING SYSTEMS FOR INVERTER BASED WIND AND SOLAR
PHOTOVOLTAIC SYSTEMS (100 kW or SMALLER)**

A. Applicant Information

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Street Address (if different from above): _____

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Fax: _____

Email: _____

Electric Account No. (from Utility Bill): _____

Electric Utility/Supplier Name & Account No.
(if other than the Borough of Madison): _____

B. System Information

Inverter Manufacturer Name Plate AC Power Rating: _____ kW

System Type: [] Wind [] Solar/PV System Location: _____

Inverter Manufacturer: _____

Inverter Model No.: _____ Inverter Serial No.: _____

Inverter Location: [] Indoor [] Outdoor [] Self-Contained Location: _____

Energy Storage System: _____ kWh

Est. Gross Annual Energy Production: _____ kWh

Outdoor Manual AC Disconnect Switch – Location: _____

C. Installation Information/Hardware and Installation Compliance

Installation Contractor (Company Name): _____

Contractor's License No.: _____ Proposed Installation Date: _____

Mailing Address: _____ City: _____ State: _____ Zip: _____

Daytime Phone: _____ Fax: _____

Email: _____

The proposed System hardware and installation shall be in compliance with the New Jersey Uniform Technical and Procedural Interconnection Requirements for Net Metering Facilities for Inverter Based Wind and Photovoltaic Systems 100kw or Smaller, with *Underwriters Laboratories (UL) 1741, Standard for Static Inverters and Charge Controllers for Use in Photovoltaic Systems*. System shall be installed in compliance with *IEEE Standard 929-2000, Recommended Practices for Utility Interface of Photovoltaic Systems*. All System types shall be installed in compliance with applicable requirements of local electrical codes, Borough of Madison or ordinances, rules and regulations, and the *National Electrical Code® (NEC)* and shall use a non-islanding inverter as defined under *IEEE Standard 929-2000*.

If solar electric, the proposed System shall also be in compliance with *UL 1703, Standard for Safety: Flat-Plate Photovoltaic Modules and Panels*; and *IEEE 1262-1995, IEEE Recommended Practice for Qualification of Photovoltaic (PV) Modules*.

The System shall have an outdoor lockable, visible disconnect switch, accessible at all times to Borough of Madison personnel. If the System is designed to provide uninterruptible power to critical loads, either through energy storage, back-up generator, or the generation source, the System shall include a parallel locking scheme for this backup source. This function may be integral to the inverter manufacturer's packaged system.

Signed (Contractor): _____ Date: _____

Name (Print): _____

D. Additional Terms and Conditions

a.) Operation/Disconnection

If it appears to the Borough of Madison, at any time, in the reasonable exercise of its judgment, that operation of the System is adversely affecting or may adversely affect the Borough of Madison's electrical system, the Borough of Madison may immediately take any and all steps it reasonably believes necessary to mitigate or cure the conditions including, without limitation, disconnecting the System from the Borough of Madison's electrical system. Applicant/Customer shall at all times permit the Borough of Madison's employees and inspectors reasonable access to inspect, test, or examine the System or metering equipment after notice by the Borough of Madison. Applicant/Customer shall be liable for costs and expenses incurred by the Borough of Madison related to disconnection and reconnection of the System by the Borough of Madison when disconnection is permitted under this Paragraph D.

b.) Liability/Indemnity

Applicant/Customer hereby covenants and agrees to assume all risk and liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the System. Applicant/Customer hereby covenants and agrees to indemnify, protect, defend and save harmless, the Borough of Madison, its employees, agents, affiliates, and governing bodies from and against any and all claims and demands for damages to property and injury or death to persons which may arise out of, or be related to, or caused by, the operation of the System or its interconnection to the Borough of Madison electrical system, except if caused solely by the gross negligence or willful misconduct of the Borough of Madison as determined by a court of law.

E. Electrical Code Inspection

The System referenced above satisfies applicable electrical code requirements.

Inspector's Name (Print): _____

Signed (Inspector): _____

(In lieu of the signature of the inspector, a copy of the final inspection certificate may be attached.)

Date: _____

F. Customer Acknowledgement

The System has been installed to my satisfaction and I have been given System warranty information, and an operation manual. Also, I have been informed as to whether my Wind or Solar/PV System is eligible for net metering, and been provided a copy of the applicable Borough of Madison's net metering tariff and interconnection requirements. I have also been instructed in the operation of the System by the manufacturer and/or the installer of the System.

I agree to abide by the terms of the Application/Agreement and I agree to operate and maintain the System in accordance with manufacturer's recommended practices as well as the New Jersey Single, Uniform Interconnection Requirements. Further, I agree to notify the Borough of Madison thirty (30) days prior to modification or replacement of the System's components or design. Any such modification or replacement shall require submission of a new Application to the Borough of Madison.

I agree not to operate the System in parallel with the Borough of Madison until this Application/Agreement is accepted by the Borough of Madison.

I also agree to provide and install all warning labels as required by the Borough of Madison on or near the Utility Safety Disconnect and/or at my service meter location as described in Sections 3.5 and 3.6 of the New Jersey Uniform Interconnection Requirements.

Signed (Customer): _____

Date: _____

G. Utility Application Acceptance

The Borough of Madison does not, by acceptance of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury to persons. Further, this Application/Agreement does not constitute a dedication of the Customer's System to the Borough of Madison electrical system equipment or facilities.

This Application is accepted by the Borough of Madison on this _____ day of _____, 20____

Borough of Madison

By: _____

Name (Print): _____ Date: _____