

# **Monitoring Checklist for Wind Power**

## **SERC Grantee:**

Property address  
System description (turbine type, inverter type, general layout)  
System specifications  
Turbine location (lat/lon)  
Estimated Energy Production (with assumptions)  
Turbine installer  
Local inspector  
Inspection date  
Wind Speed and direction at time of inspection

### Inspection checklist:

Installation is of industry standard and workmanlike quality.  
Turbine is sited properly for optimal exposure to prevailing winds while maintaining proper property and other setback requirements.  
Installation is consistent with submitted site plan and electrical design  
Installation is consistent with manufacturers' instructions.  
City inspection(s) have been passed: Permit # \_\_\_\_\_ Date \_\_\_\_\_  
Yes No N/A Materials Note  
High quality fasteners are used.  
Structural members are made of approved materials.

### **Equipment and Installation Note**

All system components are new.  
Wind turbine model is commercially available, has a positive industry experience and has been on the market for at least 2 years with documented cases of meeting expected annual production in similar wind conditions  
The property and any building insulation disturbed due to system installation is restored to previous condition.  
Penetrations to building shell are sealed and fire resistance maintained.  
Components, including batteries, are located to allow appropriate access and are adequately protected.  
Inverters are installed in a protected environment (enclosure or inside) and any batteries are protected from extreme temperatures and are appropriately ventilated

### **Turbine Installation Notes**

Turbine installation location complies with local zoning and ordinances  
Turbine electrical installation meets all applicable local and national electrical codes

Turbine is mounted on a tall enough tower (at least 40' above surround objects) to have good exposure to prevailing winds.

Turbine foundation design is appropriate for soil conditions

Turbine tower is an engineered (stamped) design

Turbine electrical run (to interconnection point) is buried so as to meet or exceed applicable local electrical codes

Mounting equipment is installed according to manufacturer specification.

#### System Documentation Note

All major system components (including electrical cables) are labeled per program specifications.

System has all required warning labels.

Maintenance Instructions sheet is mounted near/on system in clear plastic sleeve and

includes:

Description and recommended frequency of homeowner maintenance.

Copy of system diagram showing major components.

Emergency and maintenance contact information.

Instructions for inspecting system after major weather events (wind storms, electrical storms, ice storms, etc.)

Customer Manual is provided and includes:

Operation & Maintenance Instructions

As-built Electrical Diagram

Mechanical Design

Contractor Warranty

Manufacturers' Warranties

Permit(s)

Parts and Source List

Data Sheets for all major components