

CONDITIONAL USE PERMIT: SMALL WIND ENERGY SYSTEMS

Checklist

The standards set forth in this checklist are to insure the safe installation and operation of a Small Wind Turbine generation of power according to the Jaffrey SWES ordinance and in conformance with RSA 674:63.

Date: _____

Building Permit No: _____

Applicant's Name: _____

Project Address: _____

Application deemed complete/reviewed by: _____

Note: Applications which are not complete will not be scheduled for public hearing.

Requests for waivers from these standards must be in writing and accompany the application.

GENERAL PLAT REQUIREMENTS

- _____ 1. Location of site, names and addresses of owners of record and all abutting landowners and uses of abutting land
- _____ 2. Name and address of surveyor, date of survey and North arrow
- _____ 3. Boundary lines of the area included in the site, bearings, dimensions and lot area
- _____ 4. Size, shape, height and location of all structures within and around site's boundaries. Location and height of treeline
- _____ 5. A vicinity sketch (1"=500') showing the location of the site in relation to existing public roads and any prominent natural features
- _____ 6. Zoning district and boundaries for the site and where applicable within 1000' of the site

Specific Site Data

- _____ 1. Location and size of tower foundation on the site. If guyed location of support points and description of method of attachment. Location shall be no less than 1.5 times tower height from boundaries and structures and no less than 200' from the street, and to be stamped by a licensed engineer.
- _____ 2. Height of structure measured to the tip of turbine blade in highest vertical position. Height of turbine blade from the ground in the lowest vertical position
- _____ 3. Noise level shall be measured from the property boundaries and not to exceed 55dbA. Where the ambient noise level is greater than 55dbA an increase of 2 dbA is permitted for the SWES. The date, location, number of readings and wind direction taken by a qualified professional shall be submitted.
- _____ 4. Shadow Flicker shall be mitigated through siting or other measures. Significant shadow flicker is defined as more than 30hours per year on abutting occupied structures. The applicant has the burden of proving that the shadow flicker will not have a significant impact on adjacent uses.
- _____ 5. Certification by a licensed electrician shall be required to insure shutdown of the system in the event of a utility power failure to prevent feedback if connected to the utility system
- _____ 6. Description of system installed to prevent uncontrolled operation or speed
- _____ 7. Description of method of limiting access to the tower