

CODE COMPLIANCE AND CERTIFICATION

Cary Weed

11/03/06

EXAMPLES FROM OTHER ORDINANCE(S)

White River

Application Requirements

- Compliance with the Township Building Code: A copy of the manufacturer's installation instructions and blueprints shall be provided to the Township. Included as part of or as an attachment to the installation instructions shall be standard drawings of the structural components of the WECS and support structures, including base and footings provided along with engineering data and calculations to demonstrate compliance with the structural design provisions of the Building Code as adopted by the Township. Drawings and engineering calculations shall be certified by a registered engineer licensed in the State of Michigan.
- Compliance with the Electrical Code: WECS and Testing Facility electrical equipment and connections shall be designed and installed in full compliance with the Electrical Code as adopted by the Township. A copy of manufacturer installation instructions and blueprints shall be provided to the Township.

Otsego

Regulations

t. Structural integrity of all components not under the jurisdiction of the Michigan Building Code shall be certified by a professional engineer licensed in the State of Michigan. Certification shall include; verification that ultimate strength exceeds that needed to withstand all factored loads and load combinations specified in SIE/ASCE 7-02 "Minimum Design Loads For Buildings And Other Structures". First Order Reliability Analysis shall demonstrate a reliability coefficient (Beta) of not less than 3.54 for any failure mode that could result in any portion of the WTG falling to the ground. In lieu of First Order Reliability Analysis, adequate structural reliability may be demonstrated via analysis methods specified in the Michigan Building Code.

Application Requirements

- b. A detailed analysis by a professional engineer, licensed in the State of Michigan, describing the specific WTG structure(s) or anemometer tower proposed and all phases for implementing the development in compliance with the standards set forth in Section 18.47.5.
- i. Written documentation that the applicant has notified the FAA, Gaylord Regional Airport and any other applicable state and federal regulatory agencies of the proposed WTG or anemometer tower.

State Guidelines

Regulations

Construction Codes, Towers, and Interconnection Standards: Utility Grid wind energy systems including towers shall comply with all applicable state construction and electrical codes and

local building permit requirements. Utility Grid wind energy systems including towers shall comply with Federal Aviation Administration requirements, the Michigan Airport Zoning Act (Public Act 23 of 1950, MCL 259.431 et seq.), the Michigan Tall Structures Act (Public Act 259 of 1959, MCL 259.481 et seq.), and local jurisdiction airport overlay zone regulations. The minimum FAA lighting standards shall not be exceeded. All tower lighting required by the FAA shall be shielded to the extent possible to reduce glare and visibility from the ground. The tower shaft shall not be illuminated unless required by the FAA. Utility Grid wind energy systems shall comply with applicable utility, Michigan Public Service Commission, and Federal Energy Regulatory Commission interconnection standards.

Application Requirements

Certifications: Certification that applicant has complied or will comply with all applicable state and federal laws and regulations, including copies of all such permits and approvals that have been obtained or applied for at time of the application.

PROPOSAL FOR CENTERVILLE

Regulations

Construction Codes, Towers and Interconnection Standards:

Wind energy systems together with all related components, including but not limited to transmission lines and transformers, shall comply with all federal, state and county requirements and standards, including applicable construction and electrical codes, local permit requirements, and applicable utility, Michigan Public Service Commission, and Federal Energy Regulatory Commission interconnection standards. Wind energy systems including towers shall comply with Federal Aviation Administration requirements, the Michigan Airport Zoning Act (Public Act 23 of 1950, MCL 259.431 et seq.), the Michigan Tall Structures Act (Public Act 259 of 1959, MCL 259.481 et seq.), and local jurisdiction airport overlay zone regulations.

Application Requirements

Certifications:

The applicant shall provide certification that the applicant has complied or will comply with all applicable county, state and federal laws and regulations. Certification shall include copies of all required permits and approvals, FAA notification, and permit applications pending approval.