

ELECTROMAGNETIC INTERFERENCE

Cary Weed

11/03/06

EXAMPLES FROM OTHER ORDINANCES

Shawano

5.11 Communications Interference: Any WECU shall be sited and operated so that they do not interfere with television, telephone (including cellular and digital), microwave, satellite (dish), navigational, or radio reception to neighboring areas. The applicant and/or operator of the facility shall be responsible for the full cost of any remediation necessary to provide equivalent alternate service or correct any problems; including relocation or removal of the facility, caused or exacerbated by the operation of such equipment and any and all related transmission lines, transformers, and other components related thereto. The owner/operator of the WECS shall respond within five business days to any request for a communications interference investigation by a property owner within the project boundary and a three-mile radius beyond the project boundary. Testing shall commence within ten working days of the request. Owner/operator is responsible for mitigating within ten working days from determination of interference cause attributed to the operation of the WECS

Otsego

o. The WTG or anemometer tower shall be constructed and operated so that it does not interfere with television, radio, cellular telephone or microwave reception in neighboring areas. If degradation of television, radio, cellular telephone or microwave reception occurs as the result of the WTG or anemometer tower, the developer shall pay to correct the television, radio, cellular telephone or microwave reception.

Montague

Electromagnetic Interference: Each Wind Turbine Generator and Testing Facilities shall be designed, constructed and operated so as not to cause any interference with television, microwave transmission and reception, navigational, or radio reception to neighboring areas. In the event that electromagnetic interference is experienced, the applicant shall provide alternate service to each individual resident of property owner affected within thirty (30) days. The replacement service shall be acceptable to the injured party. The replacement service shall be equal or superior to the previous service that was interrupted. Any additional cost of construction, equipment, maintenance or increased subscription charges shall continue to be paid permanently by the Wind Turbine Generator owners/operators until such time that the offending Wind Turbine Generator is removed.

Eveline

10. Interference with Residential Reception. Any wind turbine generators shall be constructed and operated so that they do not interfere with television, microwave, navigational or radio reception to neighboring areas.

White River

Electromagnetic Interference: Each WECS and Testing Facilities shall be designed, constructed and operated so as not to cause radio and television interference. In the event that electromagnetic interference is experienced, the applicant must provide alternate service to each individual resident or property owner affected.

Leelanau

H. Interference with Reception. Any wind turbine generators shall be constructed and operated so that they do not interfere with television, microwave, navigational or radio reception to neighboring areas.

State Guidelines

9. Electromagnetic Interference: No Utility Grid wind energy system shall be installed in any location where its proximity to existing fixed broadcast, retransmission, or reception antennae for radio, television, or wireless phone or other personal communication systems would produce electromagnetic interference with signal transmission or reception unless the applicant provides a replacement signal to the affected party that will restore reception to at least the level present before operation of the wind energy system. No Utility Grid wind energy system shall be installed in any location within the line of sight of an existing microwave communications link where operation of the wind energy system is likely to produce electromagnetic interference in the link's operation unless the interference is insignificant.

PROPOSAL FOR CENTERVILLE TOWNSHIP:

Regulation

Electromagnetic Interference:

- A wind energy system shall be located so that it is not within the line of sight of an existing microwave communications link where operation of the wind energy system is likely to produce electromagnetic interference in the link's operation unless the interference is insignificant. *(This is from State Guidelines.)*
- A wind energy system shall be located, constructed and operated so that the system together with all related components, including but not limited to transmission lines and transformers, does not produce electromagnetic interference with television, telephone (including cellular and land line), microwave, navigational, or radio signal transmission or reception to the neighboring area. The applicant and/or owner/operator of the facility shall be responsible for the full cost of remediation necessary to correct any problems caused or exacerbated by the operation of the wind energy system and related components. Complaints shall be reported to the Centerville Township Planning Commission by the affected party and shall be investigated and resolved within thirty (30) days in a manner that is acceptable to the affected resident. *(This draws from the State Guidelines as well as Montague and Shawano.)*