

**NEW SECTION 153.490  
WIND ENERGY SYSTEMS**

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**SECTION 153.490 PURPOSE**

The purpose of this Section is to protect the public health and safety of its citizens and to promote an orderly land use within the Village of Oak Harbor. All Wind Energy Systems shall be a “**conditionally permitted**” use in all Zoning Districts.

**SECTION 153.491 DEFINITIONS**

(a) A Wind Energy System includes any or all of the following components:

- (1) A turbine with propeller-style blades, or
- (2) A vertical rotor, or
- (3) Other means of capturing the energy in moving air
- (4) A tower or
- (5) A mounting structure
- (6) Associated electrical distribution circuitry;
- (7) A battery or
- (8) Other means of storing energy
- (9) Other means of transmitting energy
- (10) Mechanical control mechanism;
- (11) Electrical/electronic/computer control circuitry
- (12) A foundation

## (13) Enclosures

- (b) Total Height means the distance measured from the natural ground elevation (not mounded) to the highest point that any part of the Wind Energy System can reach. Total Height for roof mounted systems means the distance from the point of roof attachment to the highest point any part of the Wind Energy System can reach.
- (c) A Wind Energy System is a system designed to reduce the on-site consumption of Municipal Power, and having a faceplate power capacity of 100 kW or less, and shall conform to the National Electric Code. Under no circumstance shall non-commercial Wind Energy Systems provide power to off-site buildings, structures, uses or other electric power energy distribution systems (power grids) other than the Village Municipal Power System. No experimental, homebuilt, or prototype Wind Energy Systems shall be allowed without certification by a Professional Engineer licensed by the State of Ohio.
- (d) Wind Turbine Rotor means that portion of a wind turbine that includes the blades or scoops, hub and shaft.
- (e) Tower means an elevating structure intended to raise the rotor, turbine and accessory equipment above either the ground surface or the top of a building.
- (f) Commercial Wind Energy System means a system having more than one (1) wind turbine and primarily used for off-site sale of generated power, and having a faceplate capacity of 100 kW or less, and shall conform to the National Electrical Code. Under no circumstance shall Wind Energy Systems provide power to electric power energy distribution systems (power grids) other than the Village Municipal Power System. No experimental, homebuilt, or prototype Wind Energy Systems shall be allowed without certification by a Professional Engineer licensed by the State of Ohio.
- (g) Wind Turbine means a Wind Energy System that converts wind energy into electric energy by means of rotary motion driven by the passage of air through the Wind Energy System. Wind Energy Systems include those models designed to be mounted on rooftops of existing or new buildings, including residential applications.

**SECTION 153.492 APPLICABILITY**

- (a) This Section applies to all Wind Energy Systems as defined herein that are proposed to be constructed or located within the Village of Oak Harbor after the effective date of this Ordinance.
- (b) Any Wind Energy System constructed or located prior to the effective date of this Ordinance will not be required to meet the provisions of this section, provided

