

March 11, 2010

# SUGAR CITY

P.O. Box 56, 10 East Center, Sugar City ID 83448

Phone: (208) 356-7561 Fax: (208) 359-2654

## APPLICATION FOR WIND TURBINE

For placement, construction, or modification of wind turbine.

FILE #:	FEE:	CHECK #:	DATE:
CROSS REFERENCE FILES:		NAME OF ADMINISTRATOR RECEIVING APPLICATION:	

THIS BOX TO BE COMPLETED BY THE CITY WHEN APPLICATION IS SUBMITTED

CONTACT INFORMATION OF APPLICANT NAME	PHONE:
MAILING ADDRESS	FAX:
PROPERTY ADDRESS ON WHICH THE TURBINE IS TO BE PLACED	EMAIL:
INDICATE WHETHER ○ OWNER OF LAND ON WHICH THE WIND TURBINE IS TO BE PLACED ○ LESSEE OF LAND ON WHICH THE WIND TURBINE IS TO BE PLACED	

### ATTACHMENTS: (See Sugar City Code 8-5-3)

- |    | Yes                      | N/A (if not applicable, include explanation in remarks below)                      |
|----|--------------------------|--|
| 1. | <input type="checkbox"/> | <input type="checkbox"/> Insurance   |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> Engineered Drawings                                       |
| 3. | <input type="checkbox"/> | <input type="checkbox"/> Site Plan   |
| 4. | <input type="checkbox"/> | <input type="checkbox"/> Copy of Letter of Notification to Landowners*             |
| 5. | <input type="checkbox"/> | <input type="checkbox"/> List of Names and Addresses of Landowners to be notified* |
| 6. | <input type="checkbox"/> | <input type="checkbox"/> Special Use Permit  |
| 7. | <input type="checkbox"/> | <input type="checkbox"/> Application Fee _____                                     |
| 8. | Remarks:                 |  |

\*Required by the Special Use Permit

APPLICANT'S CHECK LIST (See Standards for Wind Turbines, 8-5-3)

- ☐ Towers
- ☐ Setback
- ☐ Sound Level
- ☐ Blade-ground Clearance
- ☐ Insurance
- ☐ Safety
- ☐ Power Lines
- ☐ Emergency Shutoff
- ☐ Engineered Drawings
- ☐ Site Plan
- ☐ Utility Notification
- ☐ Access Safety
- ☐ Electromagnetic Interference
- ☐ Neighborliness
- ☐ Advertising
- ☐ Color
- ☐ Lighting
- ☐ Special Use Permit
- ☐ Deposit
- ☐ Application

The applicant has read and understands Title 8 Chapter 5 (attached) of the Sugar City Code and accepts its conditions. The applicant certifies that information supplied in this application and its attachments is complete and accurate.

\_\_\_\_\_  
signature

\_\_\_\_\_  
date

APPROVALS:

Planning and Zoning \_\_\_\_\_  
Chairman

\_\_\_\_\_  
Date

City Engineer \_\_\_\_\_

\_\_\_\_\_  
Date

## CHAPTER 5

**WIND TURBINES**

## SECTION:

- 8-5-1: Purpose
- 8-5-2: Definitions
- 8-5-3: Standards For Wind Turbines
- 8-5-4: Application

8-5-1: **PURPOSE:** This chapter establishes the definitions and standards which allow wind turbines. The intent of this chapter is to regulate wind driven energy producing devices only. A wind turbine constitutes an auxiliary use in any zoning district (see land use schedule). (Ord. 285, 12-10-2009)

8-5-2: **DEFINITIONS:** As used in this chapter, the following terms shall have the meanings set forth below:

**BLADES:** The member of the rotor that converts wind energy into rotational energy.

**WIND TURBINE:** Any wind energy conversion system, sometimes known as a windmill. This includes horizontal and vertical axis windmills. (Ord. 285, 12-10-2009)

8-5-3: **STANDARDS FOR WIND TURBINES:**

- A. Towers: Towers shall be nonguyed monopoles.
- B. Setback: The minimum setback from property lines, inhabited structures, utility lines, and road rights of way shall not be less than the maximum height of any point of the wind turbine. Abutting property

owners may grant easements reducing this setback distance from their property lines.

- C. Sound Level: Sound at the property lines must not exceed forty five (45) decibels (dB) under normal operating conditions.
- D. Blade-Ground Clearance: At least twenty feet (20') must exist between the ground and any blade.
- E. Insurance: All applicants for wind turbines must show proof of applicable liability insurance before a permit is issued. No additional insurance shall be required.
- F. Safety: All wind turbines must have an automatic braking, governing, or feathering system to prevent uncontrolled rotation during high winds.
- G. Power Lines: All power transmission lines from the wind turbine shall be underground.
- H. Emergency Shutoff: Shutoff procedures shall be posted conspicuously and permanently within three feet (3') of the electrical panels.
- I. Minimum Parcel Size: No minimum parcel size is designated. Sound level and setback requirements govern the lot size for wind turbines.
- J. Engineered Drawings: Applications shall be accompanied by standard installation engineering drawings of the wind turbine, as supplied by the manufacturer and/or installer. All wind turbines must meet the local and the national electrical code and relevant building codes.
- K. Site Plan: Applications shall be accompanied by a site plan including boundaries, setbacks and other relevant information.
- L. Homemade Systems: Engineering analysis (see subsection J of this section) must be stamped by a registered professional engineer. This engineering analysis must demonstrate that the wind turbine has an adequate margin of safety and meets the relevant building codes.
- M. Utility Notification: No wind turbine shall be installed until evidence is presented that the utility company has been informed of the customer's intent to install an interconnected customer owned



generator. Off grid wind turbines shall be exempt from this requirement.

- N. Abandonment: If any wind turbine is out of operation for six (6) consecutive months, the city shall notify the owner by certified mail, to restore their system to operation or dismantle it within six (6) months of receiving the notice after which the city may have the wind turbine removed. The landowner is financially responsible if the owner/operator fails to reclaim the site as required, and any removal and reclamation costs incurred by the city will become a lien on the property.
- O. Access Safety: Any climbing apparatus within twelve feet (12') of the ground shall be removed to prevent unauthorized climbing.
- P. Electromagnetic Interference: No wind turbine shall be installed that will cause interference of an electromagnetic signal.
- Q. Advertising: No advertisement shall be allowed on or near any turbine equipment except the name of the manufacturer on a non-electric sign not exceeding six (6) square feet.
- R. Color: Wind turbines shall be a nonreflective, nonobtrusive color, such as gray or off white.
- S. Lighting: Except as required by the FAA, wind turbines shall not be artificially lighted. (Ord. 285, 12-10-2009)

8-5-4: **APPLICATION:** A special use permit is required. The application for a wind turbine will include all the requirements of this chapter. An application is considered complete when all required information is submitted and fees are receipted. (Ord. 285, 12-10-2009)