WIND Worksheet - for Homebuilder Projects

Builder: _____ Site Address: _____

DESCRIPTION

1. System type (check one) □ utility independent □ utility interactive (net metered)
2. Distance between turbine and home: _____ ft
3. Turbine manufacturer: _____
4. Model: _____
5. Rated output (W): _____ Watts @ _____ mph wind speed
6. Tower height: _____ft
7. Tower mounting □ pole or tower with guy wires □ free standing without guy wires

PERFORMANCE ESTIMATION

System performance must be determined by detailed analysis using estimated wind speeds at the site and manufacturer's energy production data. Attach documentation of analysis used. See description of required analysis method below.

8. Estimated annual wind energy production: _____ kWh

TAX CREDIT & VERIFICATION

9. Tax Credit Amount (line 8 x $2 per kWh, not to exceed $9,000) $ _____

Wind energy systems do not require verification by tax credit certified contractor, only compliance with local building codes.

Analysis method

Estimated annual energy production **must include the following 4 parts:**

1. Average annual wind speed for site at hub height. Wind information may be available from the Energy Trust of Oregon, turbine dealer, the Bonneville Power Administration, Oregon State University, various Web sites, your county office of the OSU Extension Service, power plant, airport, utility or your county or city planning department.
2. Local topography impact. Describe the terrain within ¼ mile radius of proposed wind system.
3. Turbine performance test data (spec sheets)
    a. Power generation across full wind speed operating range (power curve).
    b. Energy production as a function of average annual wind speed.
    c. Upper wind speed that system stops producing energy.
    d. Maximum or survival wind speed the turbine can withstand.
4. Energy analysis used to determine estimated annual energy production at the site.