

CASCADECOMMUNITY WINDCOMPANY

360-306-5331 • info@CascadeCommunityWind.com

1155 N State St. Suite 426 • Bellingham WA 98225

First Up! Knudson Home Turbine

Del Knudson is a realtor that believes wind energy is complementary to rural living. Del's home on 10 acres near Thorp Washington looks across the Yakima River and the Kittitas Valley Wind Farm under development. Del wants a turbine a little closer.

Del hopes this turbine will be inspiration to get other community wind projects in the area started. Del is selling his place and moving back to the family ranch a few miles away and thinks a wind turbine will make his property more attractive in the real estate market.

The turbine proposed for this project is a Vestas V20, 120kW turbine. It has a 60-foot diameter rotor, is on an 80-foot monopole tower and will produce enough power for about 45 energy efficient homes (around 220,000 kWh a year). The turbine cost \$380,000 to install.

Subscriptions for one percent of the output of this turbine cost \$3,800. CCWC estimates that each subscription over its 20-year life will create over \$4,700 in power bill savings, and renewable energy credits (RECs) offsetting 40,000 pounds of carbon, kWh electricity, or miles driven (that's 2000 per year). REC-only subscriptions are available for \$900 upfront or \$80 per year directly helping get this project in the ground.



The local economy will benefit from this project beyond just the power savings to subscribers. The benefits are the land lease payment to Del Knudson, local taxes, local maintenance work, profits to local turbine owners, payments to local lenders, and so on. There are also multiplier effects of this money circulating in the community.

CCWC calculated the local economic impact of this project using the guidelines found in the Washington State Wind Energy Guidebook. An Estimated \$84,000 per year will be added to the economy, 0.7 jobs, and \$7,500 in tax revenue every year for the next 20 years as a result of this turbine.

For Subscriptions, call 360 306 5331 or e-mail: info@cascadecommunitywind.com