

CASCADE COMMUNITY WIND COMPANY

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3 Bar G #3 Turbine

Three Bar G Ranch is a cattle operation on Thorp Prairie, some of the windiest land west of Ellensburg. Owners Frank and Robert Gregerich were interested in finding uses for the extensive acreage that preserve the open space and rural character in face of housing developments that threaten to fragment the prairie. A wind turbine seemed like a win-win option for them, the prairie, and the community.

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 55 energy efficient homes (around 250,000 kWh a year). The turbine is expected to cost \$440,000 to install.

Subscriptions for one percent of the output of this turbine cost \$4,400. CCWC estimates that each subscription over its 20-year life will create \$6,000 in power bill savings, and renewable energy credits (REC) offsetting 50,000 pounds of carbon, kWh electricity, or miles driven. REC-only subscriptions are available for \$1100 upfront or \$100/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 the Gregeriches, 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 method found in the Washington State Wind Energy Guidebook. An estimated \$92,000 will be added to the economy, .8 jobs, and \$8,300 in tax revenue every year for the next 20 years as a result of this turbine.

For Subscriptions, call 360 306 5331 or email: info@cascadecommunitywind.com