

Will Wind Power Work For You?

GVEC is vested in exploring the possibilities of renewable energy options for the South Texas area. As a result, GVEC has installed residential wind turbines at the following locations to research and study the impact of wind power:

- Seguin Office Complex
- Gonzales Office
- Schertz Office
- Texas Agricultural Education & Heritage Center (Big Red Barn in Seguin)

Members and the public can review the data GVEC is collecting and experience firsthand how the technology works. See GVEC staff for up-to-date information to determine the potential benefits wind power can bring you.

FOLLOW US ON



Gonzales

825 E. Sarah DeWitt Dr.

Cuero

909 E. Broadway

La Vernia

13849 U.S. Hwy 87 W.

Schertz

908 Curtiss Ave.

Seguin

927 N. Highway 46



GuadalupeValleyElectricCooperative, Inc.
800.223.GVEC (4832) | www.gvec.org

Wind Power

Turning Wind into Electricity



GuadalupeValleyElectricCooperative, Inc.



Interesting Facts About Wind Generation:

- The wind itself is a clean, sustainable, cost-efficient “fuel” source.
- Texas has become the nation’s leader in wind production.
- New technologies, tax incentives (where applicable) and GVEC rebate programs can significantly decrease the initial cost of installation.



Residential wind turbine at the Seguin Office Complex.

Q: What wind turbine model has been used in your wind study?

A: *Skystream 3.7[®] with a rated capacity of 2.4 kW*

Q: How tall is the pole?

A: *GVEC's study includes 33- and 45-foot poles. Different pole heights produce different results. Ideally, the lowest part of the rotor will be at least 20 feet higher than any obstacles surrounding the pole within 250 feet. At lower than suggested pole heights, the wind is often turbulent and the velocity is much slower due to ground drag, resulting in lower production.*

Q: Will this type of application fulfill the energy needs of my residential or commercial property?

A: *Although wind is clean and renewable, it is unpredictable, especially in our South Texas area. Therefore, wind is not a consistent, reliable power supply. A constant backup source of “firm” power is necessary.*

Q: When the electricity provided by GVEC is interrupted, will the wind turbine be able to provide electricity?

A: *No. For safety purposes, the turbines are equipped with a shut-off mechanism that stops the turbine from producing power during an outage. This is necessary to ensure that power isn't flowing onto lines when a lineman is working to restore power to GVEC, your home or business.*

Q: What is GVEC's Residential Renewable Generating Tariff?

A: *The tariff allows members to consume all of the power produced on location and then sell any excess power back to GVEC at the average wholesale power rate. This tariff provides members the benefit of offsetting their own usage at retail rates and, in turn, reap the benefits of being paid for any excess power that may have been produced.*

Financial Support for Renewable Energy:

GVEC supports our members' efforts toward leading a more energy conscious lifestyle. Take advantage of:

GVEC Rebate:

- \$1.00/Watt—up to \$6,000 (6kW)

Government Support:

Federal tax credits and, where applicable, government grants may also be available for energy efficient home improvements under the American Recovery and Reinvestment Act. Get more details at www.dsireusa.org.

For program details or to apply for your renewable rebate, visit **GVEC's Rebate Center** on www.gvec.org.

If you have additional questions, email rebates@gvec.org or call 1.800.223.GVEC (4832).

gvechome
Your kind of power.™

A wind turbine is a significant investment. Make your purchase from a partner you can trust for reliable information, installation, and service.

1.800.223.GVEC (4832)

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