Alaskan Wind Industries

Commercial and Residential Installations

Case Study – Lynch Project

Nikiski, Alaska. resident, Bill Lynch wanted to invest in renewable energy to help power his grid connected home. With net metering and fairly high energy costs Bill set out to make the idea come to fruition.

Bill, researched his winds for a long time and discovered an average wind speed of only 7.8mph annually. Although his site has a low average wind speed, the site also saw large wind storms in the winter with heavy gusts. With the right turbine, Bill knew he could harvest these winds, and generate an abundance of energy.

"Our wind is gusty more than steady. My neighbors have a Skystream and it shuts down all the time because of gusts. I also wanted something robust. " said Bill Lynch. Alaskan Wind Industries worked with Lynch to install a wind turbine that would keep producing in those high winds of over 70mph.

The local community has taken a large interest in the type of system installed at Bill's residence. As far as neighbors are concerned Bill says "They love it, no complaints and a huge amount of interest."

Bill Lynch was also able to take advantage of a 30% tax rebate for residential installations, and plans to receive a large return on his investment.

Overview:

Sector: Residential

Challenge: An investment was sought to combat current energy costs

Selection: Wind Turbine that would keep producing in high winds.

Benefits: In some months, energy produced is equal to energy consumed.

AKWI Producer: Bill Lynch

"Excellent! We've made 73KWH in 12 hours even with 1 power outage. We're peaking at 7.1KWH. Not bad for a turbine that is only rated at 6KWH." - Winter 2009

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