

Overview

WES Engineering Inc. was retained by local architect firm, BLDD, to assist them in selecting, bidding and interconnection of a wind turbine for the new Platinum LEED certified Center for Sustainability and Innovation at Richland College campus in Decatur, IL. This work included first a review of nearby wind data collected from a radio tower, review of best turbine choices for the site, and assistance to write the bid specification for the selected turbine. A Northwind 100kW wind turbine on tubular tower was chosen. This project is a “behind the meter” wind project with the power delivered to existing buildings on the campus. The project is sited to provide best location for wind energy with close proximity to the college building where it is interconnected, to minimize electric wire costs. The turbine is used by the college for educational purposes, as well as supplying the on site renewable energy for the platinum LEED building.



Tasks:

- Turbine Selection Report- including wind analysis and energy estimate
- Interconnect application and assistance to provide turbine electrical data
- Write Bid Specification for turbine supply, construction, erection, commissioning and training



Richland College Turbine- completed

