

KCC Wind Tower

Project Highlights and Results

- Provided design drawings and installation oversight of 50kW, 480V wind turbine that generates power for the college's campus
- Wind tower produces approximately \$14,000 in annual energy cost savings

Project Background

Owner:	Kankakee Community College (KCC)
Location:	Kankakee, IL
Team/Team Lead:	Steve Maze, Bhupendra Tailor, Don Bezek
Elara Role:	Electrical Design
Type:	Renewable Energy Generation
Construction Cost:	\$450,000

Project Overview

Building Type:	Higher Education
Building Attributes:	100 Foot Wind Tower
Initial Construction:	2011
MEPFPIT Systems:	Wind Energy

Innovation

- The 100-foot high wind tower is a visible icon on KCC's campus and is strategically located to produce the most wind energy feasible; up to 50 kilowatts of energy at 480V.
- The wind tower is connected to an electronic monitor located inside KCC's campus where students, faculty and visitors can view the total instantaneous energy being generated by the wind tower at any given time and compare that to the energy being utilized by the campus.

