

# MOAS Project: Wind Energy Demonstration

A large white wind turbine stands in a field with mountains in the background. The turbine is the central focus, with its three blades extending outwards. The background features a range of blue mountains under a cloudy sky. The foreground is a green field with a fence line.

## Members

Nicholas Bembridge

Victor Fontecchio

Bradley Kroger

Michael Sheehan

Suzanne Shepherd

# Overview

- Met with Sponsor
- Created Project Poster
- Met with seniors from the EE Dept
- Arrival of exhibit components



# Sponsor Meeting



- Discussed poster creation
- Set date for exhibit unveiling
- Planned next meeting to approve poster

# Exhibit Poster

- A poster will be created to indicate the anticipated arrival of our exhibit
- Entire energy display will be called *Synergy of Energy*
- Our exhibit was named *Wind Power*





# Meeting with EE Dept

- Start button was found to be insufficient
- Buffer will be used to increase motor output
- EE seniors will research kill switch design
- Analyzing initial circuit design in PSpice

# Arrival of Components



- Several components for the exhibit have arrived
  - Casing
  - Kill Switch
  - Wind Turbine Assembly Materials
  - Pulley System (except belts)
- Storing materials in cubical
- Other components are on order



# Future Work

A white wind turbine stands on a grassy hill. The background features a range of blue mountains under a cloudy sky. The foreground is a green field with a fence line.

- Begin construction of project
- Final testing of components
- Begin documentation and instructional material
- Await arrival of other exhibit components
- Send measurements to carpenter