

Abstract

Project Title: Generating Electricity from Wind Power

Project ID: 58

Introduction: I did this project for me to test how wind turbines generate electricity instead of using fossil fuels.

Problem Statement/Engineering Goal: This is important because it can bring electricity to remote areas in the world. I solved the problem by building a wind turbine that would light up an LED light. At first, it did not work because I was using an incandescent bulb.

Procedures: Once I switched to an LED bulb, my design was successful.

Results: Then I was able to test the number of blades and wind speed to see which one was the most successful. In the end 4 blades and the high fan speed gave the best results.

Conclusion: In the end, the engineering goal was met.