



**CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY**

Name(s) Sean T. Crowley	Project Number J0203
Project Title Recharging Batteries with a Windmill to Power an Electric Car	
Abstract Objectives/Goals My project was to determine if wind can be harnessed and then put into electric cars. Methods/Materials wood, plywood, threaded steel rod, volt meter, generator/motor, battery holder, copper wire, bicycle wheel, nuts and washers, screws, staples, plastic sheeting, plexi glass, toy car kit with electric motor, diode Cut wood into two S-like shapes. Screw wooden slats to both S-like shapes. Bolt sail onto threaded steel rod. Connect rod to axle of bicycle wheel. Bolt plexi glass disc onto threaded steel rod. Screw bicycle wheel onto plywood. Mount battery holder to plywood. Sauer battery holder wires, generator/motor, and diode. Create stand for volt meter and motor/generator. Results My results confirmed that my hypothesis was correct. The information from my project expands our knowledge in alternative energy because it gives us a new way to think and learn of how to use wind to power vehicles that do not run on fossil fuels. Conclusions/Discussion My project was able to collect natural wind energy that got harnessed and put into batteries that were installed into an electric car.	
Summary Statement Collecting natural wind energy that is then harnessed in batteries that are then installed into an electric car.	
Help Received Sister took pictures; Dad supervised use of power tools; Mother funded purchases of materials.	