



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Esteban Castaneda	Project Number S0204
Project Title It's Got the Power	
Abstract Objectives/Goals To see if solar, wind, and sound power are more efficient than gas power, as well as feasible and cost effective. Methods/Materials R/C cars were acquired, electric R/C car was modified with solar cell, fans, and microphone to produce energy. Test each car three times to see which is most efficient. Results Battery life doubled, 69% more distance from modified cars. Gas powered car is in between. Unmodified R/C car is least efficient. Conclusions/Discussion Modified car is more efficient and also runs longer due to modifications.	
Summary Statement Modifying an R/C car to run on alternative power sources to improve efficiency.	
Help Received	