

Rubric.

Criterion (Value 0-3)	Teacher	Student
1. Correctly distinguished between renewable and nonrenewable energy sources. This isn't a rubric—it is an answer key and scorecard		
2. Listed 3 suitable places for wind farms in the United States.		
3. Adequately described how wind is made.		
4. Effectively described how a wind turbine makes electricity.		
5. Correctly identified percentage of total electricity currently being generated by wind in the United States.		
6. Gave a reasonable estimate of the amount of electricity expected to be produced by wind in the U.S. in the next 20 years.		
7. Made an informed prediction on the impact a wind farm would have on the land it occupies.		
8. Made an informed prediction on the impact a wind farm would have on wildlife in the area.		
9. Accurately discussed pollution caused by wind farms.		
10. Made insightful observations concerning other positive and negative impacts of using wind farms.		
11. Correctly listed the criteria of the design (what were the objectives in creating the wind turbine model)		
12. Correctly listed the constraints of the design (what were the limits placed on the model)		
13. The sketch was clearly drawn and labeled.		
14. The sketch was correctly drawn and labeled.		
15. The function of each part of the model was correctly identified.		
16. The parts were correctly labeled as to input, output, process, and feedback. Where was this taught?		
17. The model was made of the proper materials.		
18. The model closely resembled the sketch.		
19. The model was able to produce an electric current.		
20. The student made insightful suggestions as to how to improve the model.		
21. The student's model produced the most current in the class.		
Total (possible 60 points, criteria # 21 is a 3 point bonus)		