



# STEM Careers

## Renewable Energy Engineer

**Job Description:** Design, develop, and evaluate renewable energy related projects such as those that use wind and solar energy.

### What do Renewable Energy Engineers do?

- Help farmers become energy independent by designing a solar photovoltaic system that will fit on a barn roof.
- Oversee the installation of home solar energy systems to make sure it is all done properly.
- Design wind farms.
- Analyze annual wind speed and direction data to determine the best location for a wind farm.
- Design geothermal wells and drilling programs.
- Develop and maintain mechanical technology at hydroelectric plants and oversee performance of the plant.

### Your Interests:

- Are you good at math?
- Is your work detailed?
- Are you interested in how things work?
- Do you like working with computers?

### Outlook: **Bright** and **Green**

Average Salary - \$43.06 hourly, \$89,560 annual

Projected Job Openings - 50,200 over the next 10 years

### Education/Program of Study:

- Bachelor's Degree in an engineering discipline
- Professional Engineer License

Sources:

O\*NET Online

[http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/Energy\\_windenergyengineer\\_c001.shtml?From=testb](http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/Energy_windenergyengineer_c001.shtml?From=testb)

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