Research Project: Energy Generation and Use

We get electrical energy from a variety of sources; some are more traditional, and others are still being developed. And, energy's role in society is always changing – the ways we use it, how much we use, and the social and environmental impacts of that energy use.

In groups of 3-4, research a form of energy generation or usage, or a device that uses energy in a novel way. You should cover the following points/issues, and maybe more depending on your topic:

- Explain how useful energy is generated; the mechanisms involved, using proper physics terminology
- Outline the costs: social, economic, moral, environmental, etc.
- Outline the benefits: social, economic, moral, environmental, etc.
- Highlight some recent developments in research or theory, and where in the world it is used

Non-renewable energy generation:	fossil fuels	nuclear fission	gas hydrates
Renewable energy generation:	solar energy biomass nuclear fusion	wind power geothermal incineration (somew	biodiesel/biofuels tidal/wave power hat renewable)
Energy devices:	compact fluorescent lig gas/electric hybrid aut		ric automobiles cells
If there is a topic you would like to invebeginning your research.	estigate but does not app	ear on this list, please	get teacher approval before
You may use books, magazines and new sources, and create a bibliography — A a starting-off point. (If you need a little your textbook.)	PA style is preferred for	references. You migh	t want to use your textbook as
Your work will be presented in two way	ys:		
 a 5-8-minute presentation to the show be creative!) a one-page (one-sided) handou just a page full of words, and ke but that's alright. 	t summarizing the main	points of your topic	make it poster-like instead of
Research day(s):			
Handout due date:			
Presentation days:			