**Power Generation presentation**

Do Internet research on a “Power Generation” topic that interests you. Prepare a PowerPoint presentation on your topic – with lots of pictures and diagrams – and be ready to present it at a future class. Upload your PowerPoint to Canvas (if you have problems doing that, you can email it to me).

Length of presentation: 5 minutes

Ideas:

* Explain how a gas-fired power plant works
* How do you control air pollution from a coal-fired power plant?
* Research and describe a really big solar power plant somewhere
* Research and describe a really big wind turbine power system somewhere
* Research and describe one of the big, new battery storage plants under construction (utility-scale battery storage plants). How does it work?
* How do the big Power-Tower solar plants work? The largest one is the Ivanpah facility….
* Research wave-power, or tidal-power
* Describe the Three-Gorges hydroelectric dam in China, or research the construction of Boulder Dam (Hoover Dam) in Nevada
* How do Ocean-based wind turbines keep from tipping over?
* How is a steam turbine constructed?
* What type of power plant propels a giant Super Tanker across the oceans?
* Describe the power plant on a nuclear submarine
* Research and describe fuel cells
* Research Thorium reactors. How do they work?
* Research Breeder reactors. Can they help us solve the “nuclear waste” problem?
* Research and explain how California plans to achieve 50% renewables by 2030
* Are there any major hydroelectric dam projects planned anywhere in the world? See if you can get some detailed information on one