**Power Generation class presentation**

Do Internet research on a “Power Generation” topic that interests you. Prepare a 10-12 slide PowerPoint presentation on your topic – with lots of pictures and diagrams – and be ready to present it at a future class (to be announced).

2020 CLASS: Email me your PowerPoint presentation by the due date. We will figure out a way to present them online.

Ideas for your presentation (there are dozens of potential topics)

* Explain how a gas-fired or coal-fired power plant works
* How do you control air pollution from a power plant?
* Research and describe the Country’s largest solar power plant
* Research and describe the Country’s largest wind turbine power system
* 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 “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