



Review of last lecture:

According to the EPA, the way we produce electricity is the number one cause of air pollution and global warming. In the US, about 60% of our electricity is produced by burning fossil fuels, with the following effects:

- Depletion of natural resources and destruction of natural habitat for ALL humans and animals.
- · Compromised public health for ALL humans and animals.
- Increased world conflict due to quests for more natural resources.
- · Smog, air pollution, acid rain.
- · Global warming.
- · Extraordinary use of water in the production process.

Another 22% of our electricity comes from nuclear energy, which leaves a bi-product that future generations will have to deal with and compromises our national security.

















- **5 percent**: Geothermal (36 100-MW plants)
- 1 percent: Tidal (2,600 1-MW tidal turbines)
- 0.5 percent: Wave energy (1,910 0.75-MW wave devices)



















































































































































































































