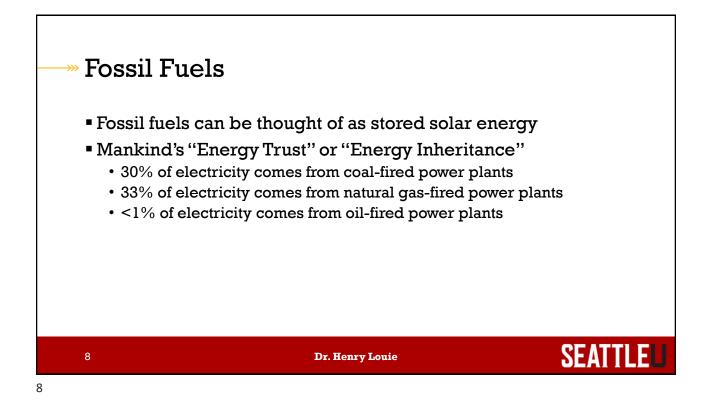
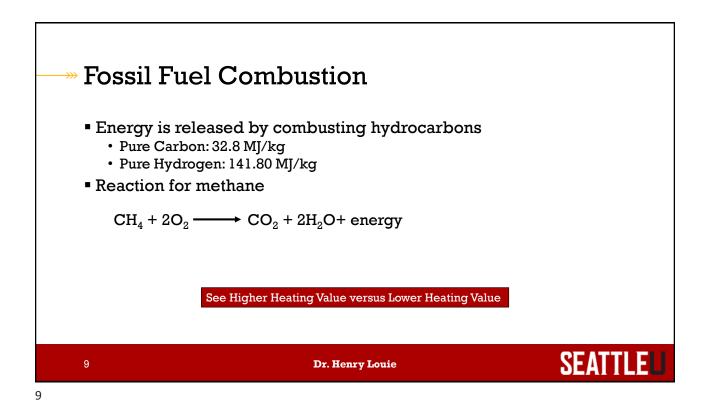
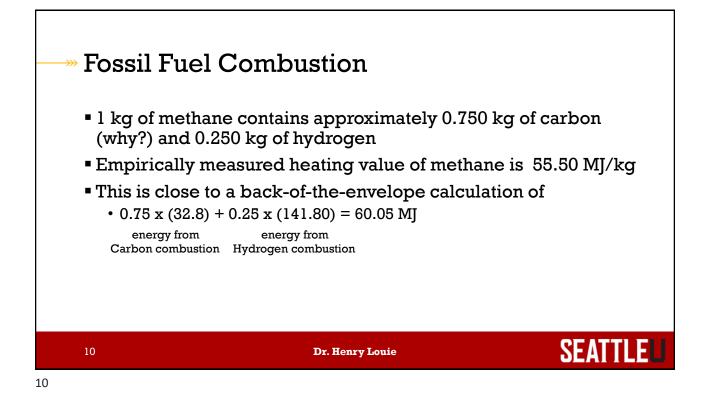
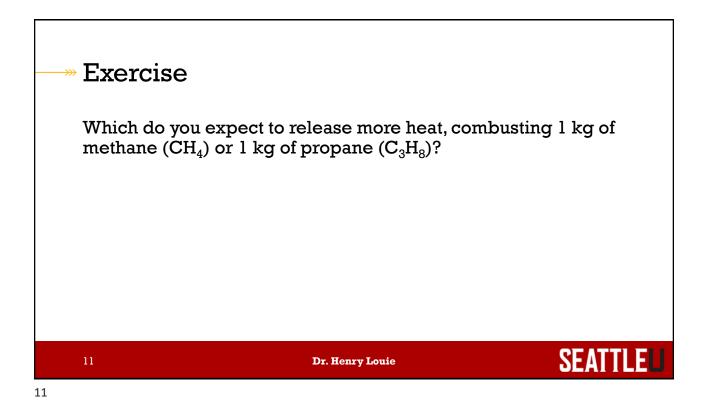


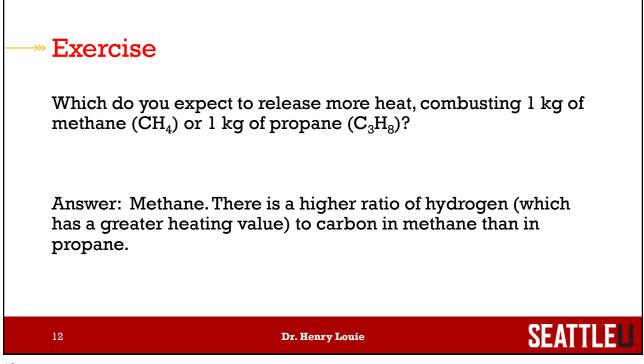
## *»* A Few Notes Since CO<sub>2</sub> is absorbed from the atmosphere during photosynthesis, plant matter act as carbon sinks Burning fossil fuels releases CO<sub>2</sub> that was previously in the atmosphere (it does not create carbon) Oxygen produced by approximately 1 tree offsets the oxygen used by each person

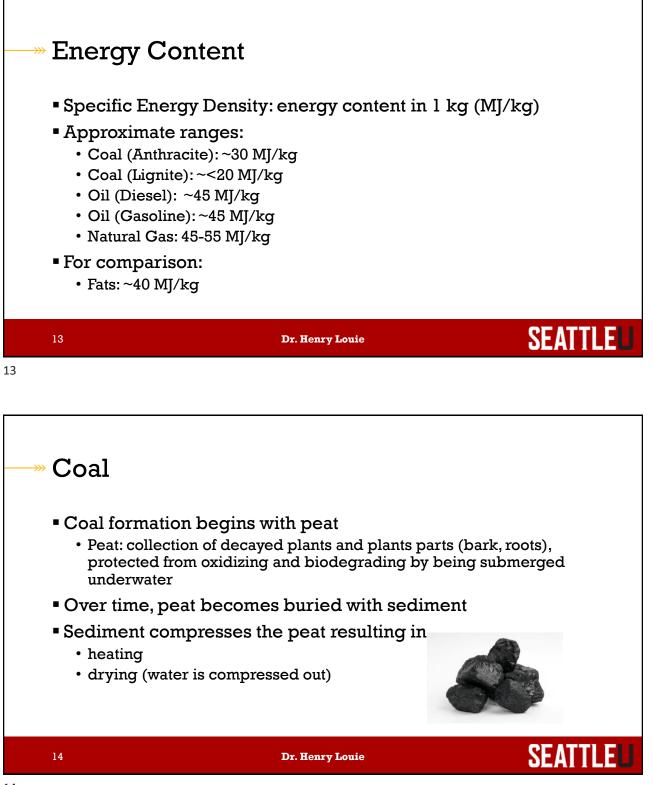


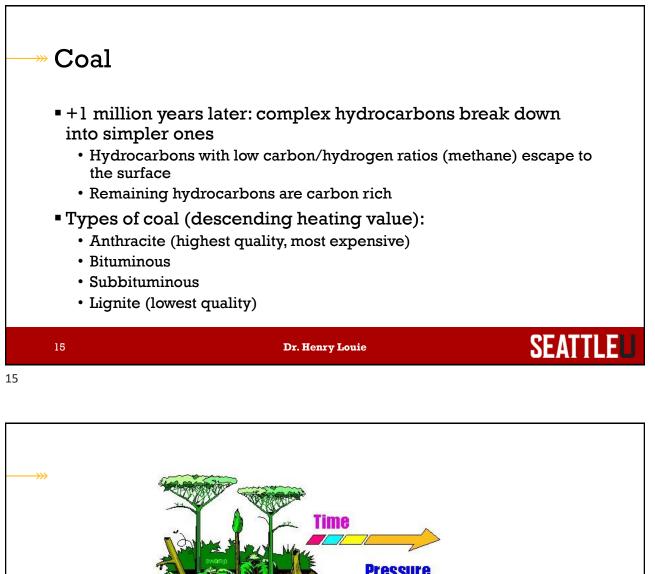


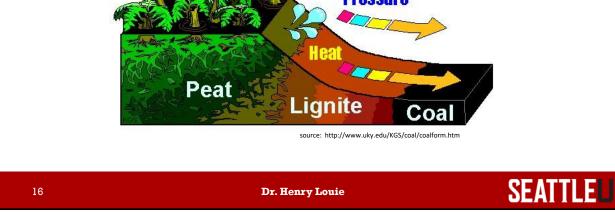


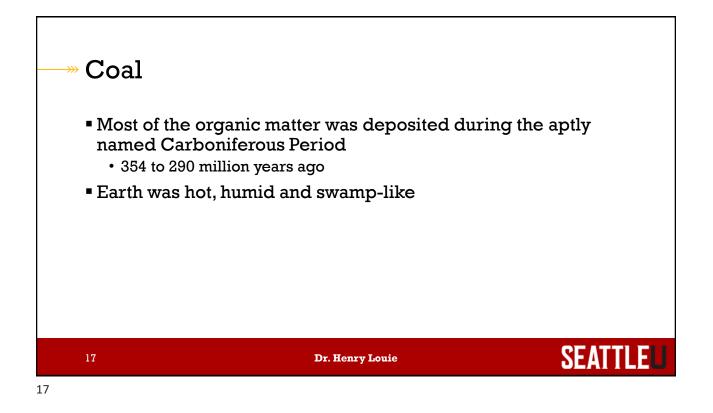


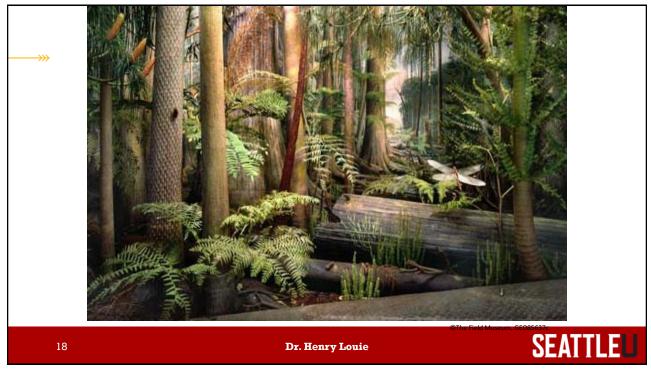


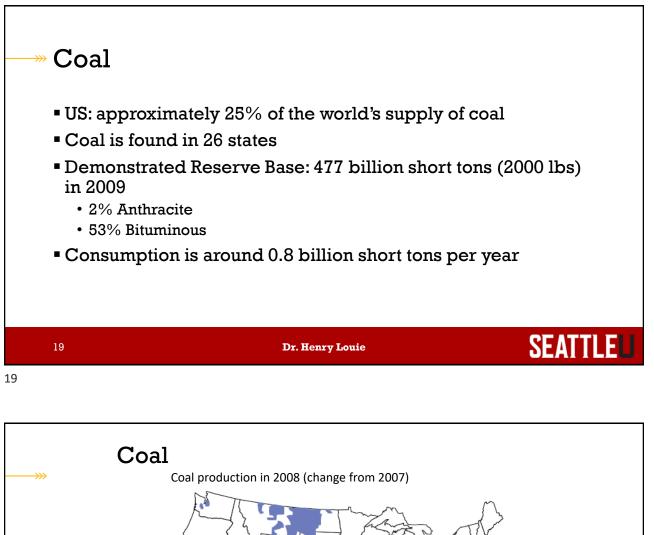


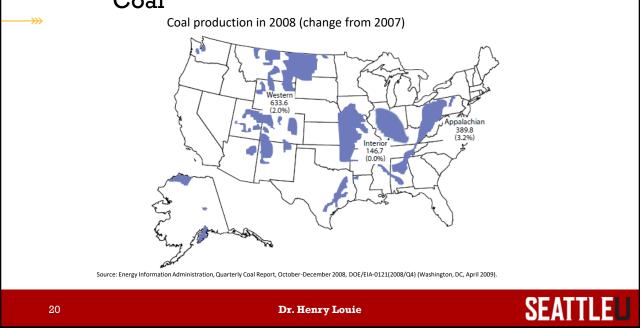


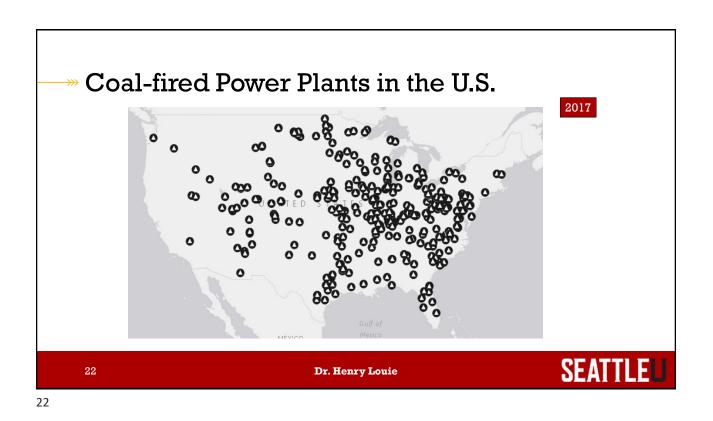


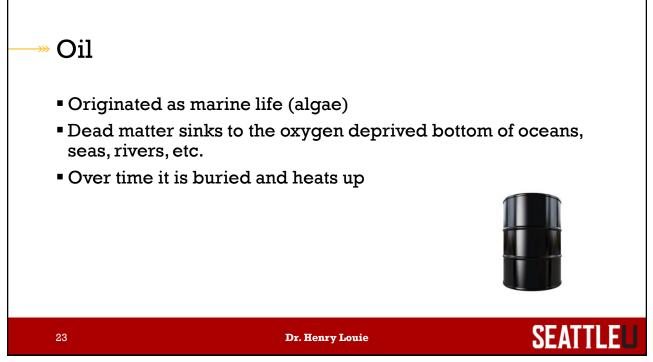


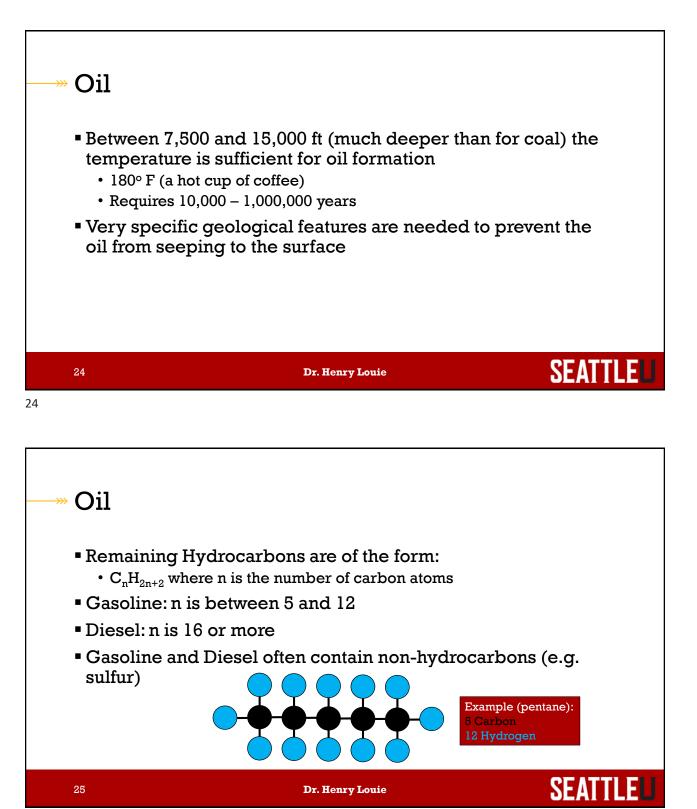


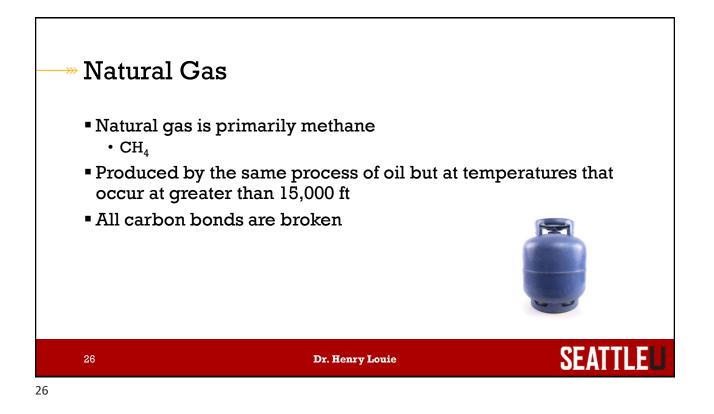


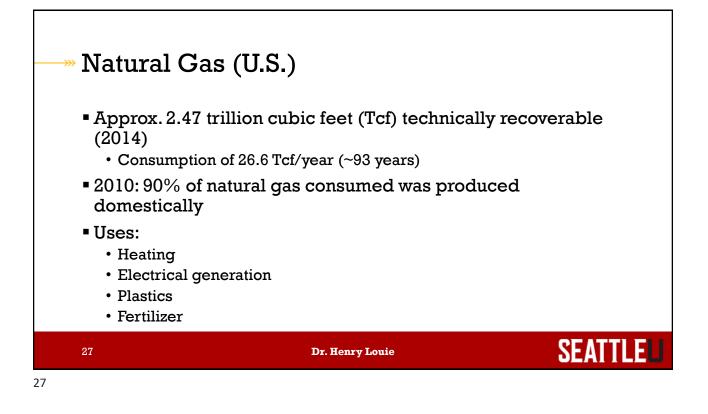


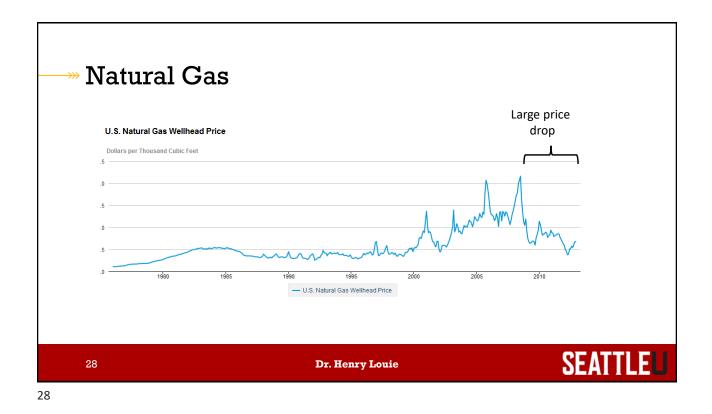


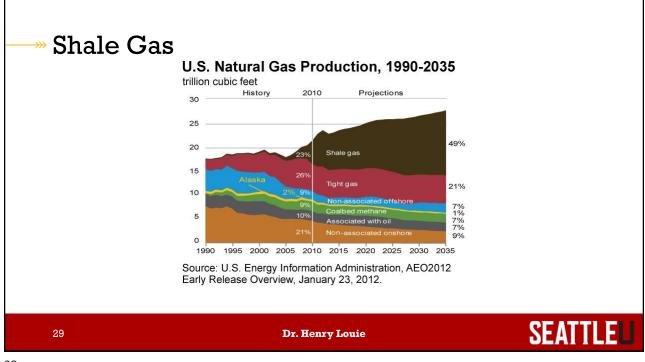




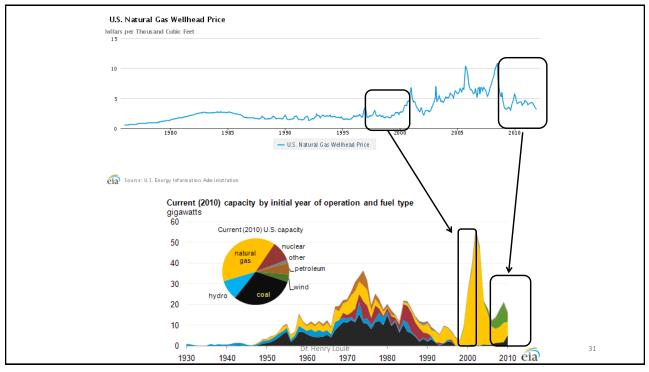


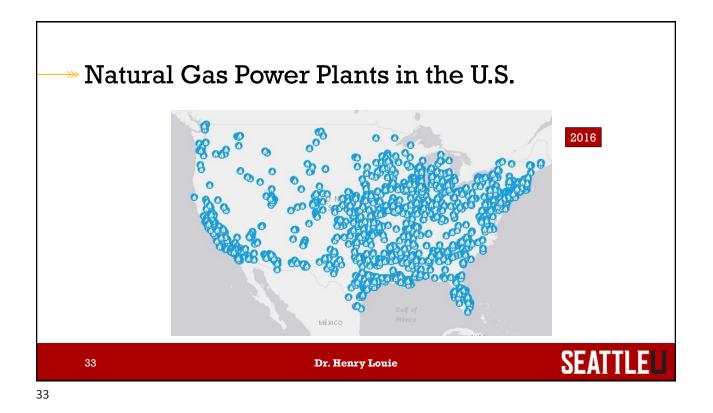


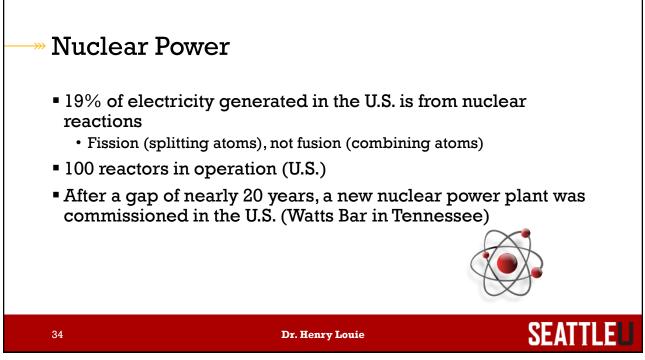


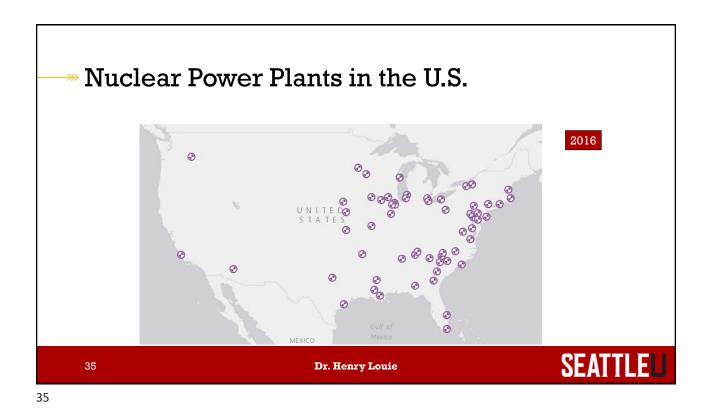


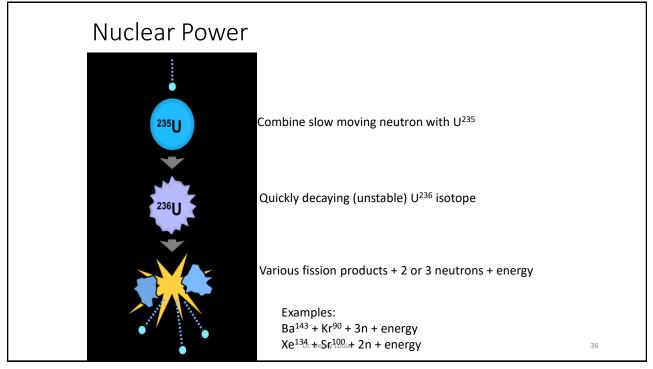


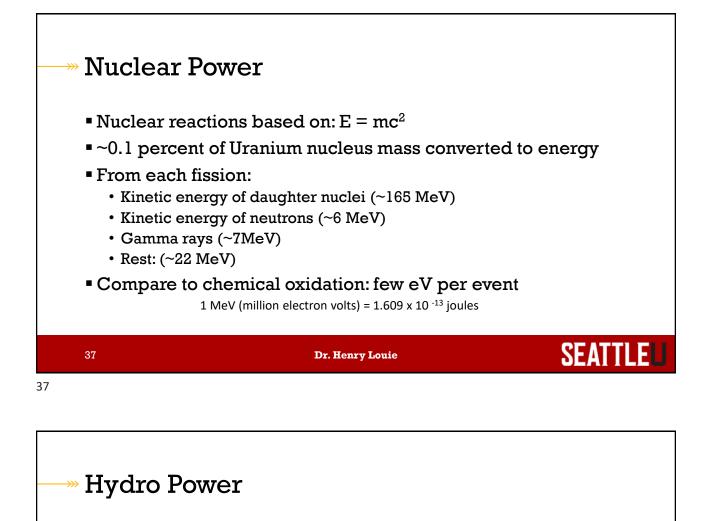






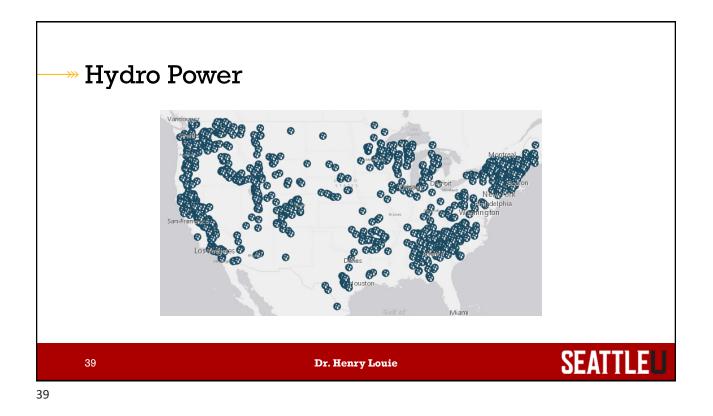


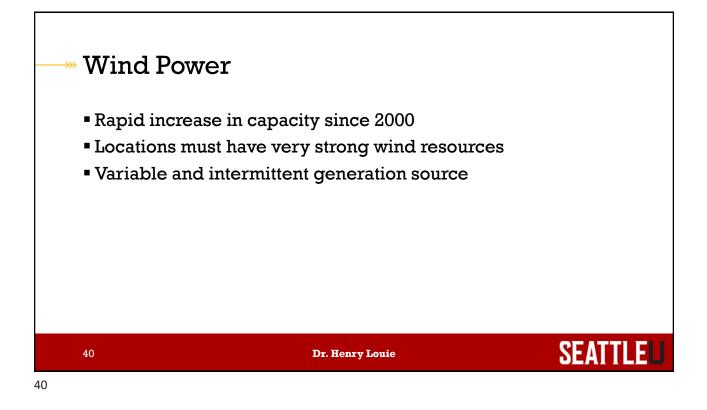


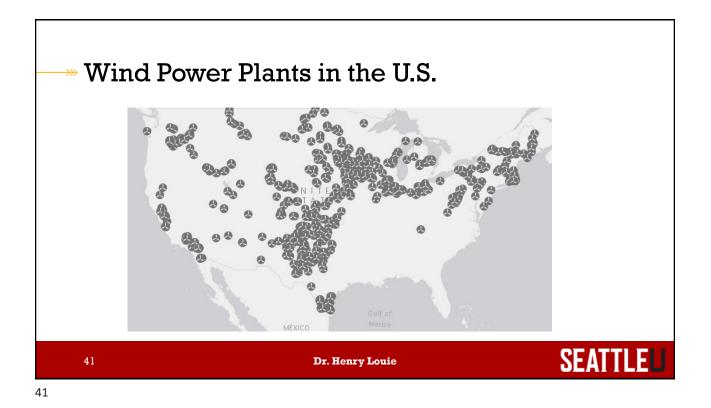


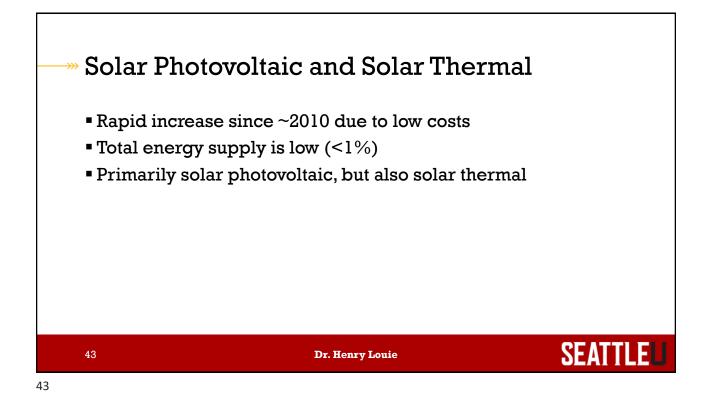
- Hydroelectric generation is the most prolific and mature of the renewable energy sources
  - Nearly 50% of the total energy production from all renewable sources
- It is mainstream enough that in some cases it is not considered a renewable energy
  - Renewable Portfolio Standards often do not count existing freshwater hydropower
- Only incremental increases in hydro power capacity in the U.S.

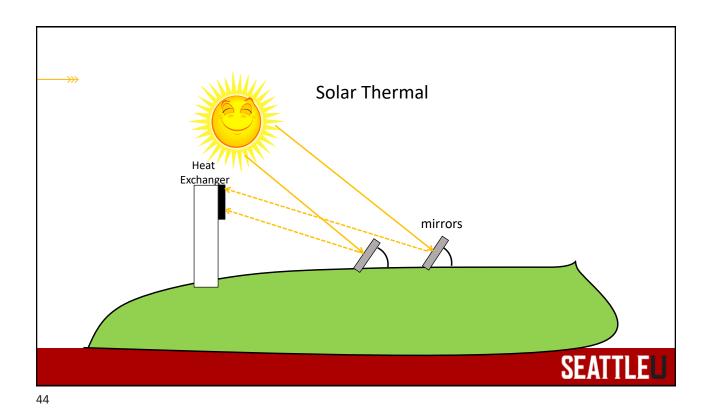
**Dr. Henry Louie** 













## » Key Points

- Fossil-fuels obtained their energy from the sun over the last +300 million years, and play an important role in our energy mix
- Oil is rarely used for electricity generation (when and why?)
- Natural gas is the most energy dense source of fossil fuels
- Different parts of the country rely on different fuel types to generate electricity

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Dr. Henry Louie

