**Questions to Think About:**

* What is meant by the phrase “Global Warming Potential” (GWP)? How is this number determined?
* Compare the advantages and disadvantages of large-scale conversion from coal to natural gas as fuel for thermally-generated electricity.
* Why does generating a kWh of electricity using coal release so much more CO2 than using gas?
* What are some sources of methane leakage during the lifecycle of natural gas?
* About what fraction of methane produced from natural gas wells leaks into the air within the region where it’s produced? How do we know?
* Compare the magnitude of the methane flux from the Aliso Canyon (Parker Ranch) facility with estimated leakage rates from a typical oil and gas production basin (e.g., the Denver-Julesburg Basin east of Fort Collins).

**Readings:**

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