1. General Energy & Society Comments
   a. Engineers tend to know more technical information than the public.
   b. Engineers need to communicate with stakeholders and support decision making processes which involve the public.
   c. “Risk without benefit is rarely accepted.” - Shows up as NIMBY
   d. Transportation of oils and fuels involves more interaction with the public than standalone processing plants/facilities that have an enforced fence line.
   e. The latest oil & gas developments in North America involving tight oil and shale gas now have more public impacts than previous historical development efforts.

   a. Generic Pipeline Operations / Hazards / Accident Scenarios / Historical Case Studies
   b. Rail Transport / Hazards / Current Concerns
   c. Truck Transport / Hazards / Special Concerns
   d. Potential Future Transportation Concerns / Research Needs
      1) Arctic Oil Spill Clean Up
      2) Midstream Sector Pipeline/Facility re-use
      3) New Tight Oil OSCP concerns

3. Risks and Environmental Impacts Associated With Natural Gas Processing
   a. Oil & Gas Production Facilities - Sources of Emissions
   b. Natural Gas Processing – Processing Overview & Environmental Impacts
   c. Natural Gas Pipelines and Storage Facilities

4. Homework Problem – Risk Comparison of Pipeline and Truck Transport