**EAS 375**

**Spring 2011**

**Lecture questions –**

**Lecture 2 Energy**

1. There have been a series of energy crises in the past. What were the causes of these crises?

The availability of a product (ie: wood, whale oil) goes down.

2. How did Thomas Edison affect the use of oil at the end of the 19th century?

Edison created the electric light bulb, which replaced kerosene lamps. First use of oil (lightning).

3. What was Henry ford’s role in the use of oil at the beginning of the 20th century?

He made created a new demand for oil with gasoline (cars).

1. Why did OPEC pattern itself after the Texas Railroad Commission?

Because TRC avoided a collapse of the industry?

5. Why did Europe and Japan switch from coal to oil after World War II?

Needed more energy?

6. After the energy crisis at the beginning of the 1970’s, why did the United States fail to make change in our use of oil?

Because the government intervention isolated the American public from the real world, and no need to converse.

7. What is meant by sources based units of energy?

Definition is related to idealized/average properties of a specific fuel.

8. What is meant by the phase “oil equivalents” when discussing energy?

9. Energy usage may be divided into two categories. What are these two categories?

Locomotion and Electrical generation.