**Outcome:** Students will be able to recognize and Describe Multiple types of Boilers and how each type works.

**Lecture:** Lecture to review: Boilers: Water Tube, Fire Tube, Package, Stoker Fired, Pulverized Fuel, Waste Heat, and Fluidized Bed Boilers

**Demo:**

1. Multiple Demos from Previous years along with Lab cutaway demo.

**Homework:** *Collaborating as a group begin to create a conceptual Design along with a preliminary budget for the group boiler construction project.*

**Documentation:**

1. Rankine Cycle – Boilers.pptx

**Competency Mastery -** Students to demonstrate their abilities to recognize and describe the internal build and appropriate working along with advantages and dis-advantages of the different types of boilers.