**Utilities Data**

The Power House is the single largest user of energy on campus. It is a 24/7, 365 day per year operation that produces steam for distribution via the underground utility tunnels to 24 university facilities.

**Steam Generation (MSU)**

- **Boilers**: Total capacity of 94,000 lbm/hr
  - Boiler #2 (1958) - 25,000 lbm/hr
  - Boiler #3 (1963) - 45,000 lbm/hr
  - Boiler #4 (2012) - 12,000 lbm/hr
  - Boiler #5 (2012) - 12,000 lbm/hr

  - **Winter Peak**: 45,000 lbm/hr
  - **Summer Peak**: 8,000 lbm/hr

- **Total Annual Production**: 125,478,394 pounds of steam

**Fuels**

- Natural Gas
- Diesel fuel backup: 30,000 gallon storage tank

**Uses**

- Heating for 24 university facilities
- Restroom hot water
- Dining Services steam lines
- Temple Hall Research - Autoclave
- Showers: Residence Halls, Foster Family Recreation Center pool, Athletics (Forsythe and Plaster Sports Complex)

**Provider: City Utilities**

- **Electricity**
  - Annual Consumption: 62,869,488 kWh

- **Natural Gas**
  - Annual Consumption: 2,279,504 therms

- **Water**
  - Annual Consumption: 167,630,000 gallons

**Chilled Water Loop (MSU)**

- Cools 28 university facilities
- Seven (7) miles of piping
- 5,100 tons capacity

**Tunnel Distribution (MSU)**

- 1.75 miles of underground tunnel system distributes:
  - Steam
  - Electricity
  - Water
  - Sewage
  - Storm water
  - Telecommunications
  - Irrigation
  - Fire suppression system

FY13 Data