

# Utilities Data



## Steam Generation (MSU)

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.

### 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