

## Utility Operations Fact Sheet

Building 40

Year Occupied: 1967  
Gross Square Feet: 18,409  
Net Assigned Square Feet: 1,622

Total Utility Operation Staff: Twenty (20)  
Maintenance/ Specialist: Three (3)      Utility Operators: Four (4)  
HVAC Specialist: Five (5)      Administrative/Support Staff: Four (4)  
Water/Wastewater Operators: Four (4)

### **Utility Operations operates and maintains systems and equipment 24-7-365 for:**

- I. Chilled Water Production and Distribution System (Building 40)
  - A. Four (4) 1200 Ton Chillers [CH-1 (1999), CH-2 (2001), CH-3 (1999), CH-4 (2001)]
  
- II. Cooling Tower Water Production and Distribution System (Building 40)
  - A. Four (4) 3600 GPM Cooling Towers [CT-1 (1999), CT-2 (2001), CT-4(2001)]
  
- III. Drinking Water Production and Distribution Systems
  - A. One (1) 200,000 Gallon Elevated Water Storage Tower
  - B. One (1) 500 GPM Drinking Water Wells [B-47, Well No. 2 (1967)]
  - C. One (1) 1,000 GPM Drinking Water well [B-44, Well No. 4 (2011)]
  
- IV. Electrical Distribution System
  - A. Primary Feed (12,470 volt located at Building 40)
  - B. Alternate or Emergency Feed (12,470 volt) located at University Parkway Entrance
  
- V. Emergency Electrical Generators
  
- VI. Heating Hot Water Production and Distribution System (Building 40)
  - A. One (1) 32.6 Million BTU per hour Heating Hot Water Boilers [B-1 (2001)]
  - B. One (1) 8.0 Million BTU per hour Heating Hot Water Boiler [B-3 (2008)]
  - C. Five (5) 5.0 Million BTU per hour Condensing Hot Water Boilers [B2a-e (2015)]
  
- VII. Irrigation Distribution System
  
- VIII. Sanitary Sewage Collection and Lift Station Systems
  - A. One (1) 600 GPM Main Lift Station [B-56A (1997)]
  - B. Eight (8) Auxiliary Lift Stations located at different locations around campus.
  
- IX. Stormwater Management Systems
  - A. Thirty (31) Stormwater Treatment Ponds
  
- X. FY 2014/2015 Main Campus Utility Cost: \$4.235M per Year (E&G = \$2.957M) – Exec. Summary
  
- XI. FY2014-2015 Main Campus Utility Consumption
  - A. Electrical: 39.6 Million kWh
  - B. Natural Gas: 72.6 Billion BTU per Year
  - C. Sanitary Sewer: 42.9 Million Gallons per Year
  - D. Drinking Water: 138.2 Million Gallons per Year

BTUH: BTU Per hour

BTU: British Thermal Units

GPM: Gallons per minute

KW: Kilowatts

KWH: Kilowatt-hour

One Ton= 12,000 BTUH