

# Cheyney Physical Plant Operations' Quick Facts

## PEOPLE

- Plant Operations has 21 very talented people.
- 19 Plant Operations employees are represented by one Union: the American Federation of State, County & Municipal Employees, AFL-CIO (AFSCME, Local).
- 2 management employees hold no-bargaining unit positions.

## ENERGY

- 8.9 Million watt Hours (million KWH) of electricity are used by CHU per year.
- Heating is provided by distributed non-condensing boilers
- In total, CHU consumes 176.0 million BTU's of energy per year.
- More than 3000 tons (3.6 million BTU/hr.) of chilling capacity is operated and maintained.
- CHU uses over 8.0 percent of the water consumed in Township (or 28 million gallons per year).

## ENVIRONMENT

- In FY 2011, 6.0 tons of paper and 12.4 tons of mixed containers were collected for recycling.
  - Over 1,600 tons of trash was sent to the landfill.
  - In partnership with the Chester County, a revised recycling program will be launched in fall 2012 to include the new residence halls.
  - Over 100 tons of cooking grease was recycled in FY 2011.
  - CHU participates in proactive Storm water Management program in concert with the Science
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- Including utilities, Plant Operations total transactions processed were \$4.5 million in FY 2011.
  - The Plant Operations Call Center issued over 1000 work orders in FY2011..
  - The average contract custodian cleans 35,000 sq. ft., Team Clean Janitorial Services cleans 20 General Fund buildings and 4.0 Residence Hall Communities.
  - Preventive maintenance is scheduled for over 2,100 pieces of building equipment.
  - Plant Operations issued over 1,000 preventative maintenance work order phases in FY2011.
  - Over 4,500 work orders were issued in FY2011.
  - There are approximately 2,200 locking doors on campus. On average, over 500 keys are issued each semester. Slightly over 1000 keys are returned each year.
  - We maintain and test over 2780 fire protection devices and 1,620 sprinkler devices.
  - 16 fume hoods are maintained by Plant Operations.
  - The 800Mhz radio system consists of 1 repeater tower, 26 radio units and 1 dispatch consoles at the Department of Public Safety and some units are configured to interface with the Chester County 800 MHz emergency radio system. On a typical day, the system handles over 150 calls.
  - There is over 225 users authorized access to the Plant Operations Facility Management System
  - There are thirty-five outlying boiler systems which are maintained by facilities personnel.
  - Electric Utilities maintains 120 roadway lights, 200 street lights, and 400 building mounted lights on campus.

# PROPERTY

- Grounds Services maintains 180 acres of land on Delaware and Chester County campus.
  - 1,050,000 square feet is the building foot print on campus.
  - 275 acres of land is the total parcel foot print
- We maintain 120 acres of turf
  - If you were to mow this in a straight line using a standard push mower you would travel 840 miles per week during the growth season.
- We maintain 3,830 SF of annual and perennial beds.
  - Equal to 1/3 football fields.
- We maintain approximately 140 inventoried trees on campus
- 6-1/2 miles of buried water piping service the campus.
- 1.75 miles of Public Roadway traverses through the CHU campus.
- There are four Residence Hall Communities on campus with more than 165,000 square feet.
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