



Energy Awareness

University Facilities
Operations & Services
Utilities Operations
6 Berrue Circle
Piscataway, NJ 08854

- **What**
- **Why**
- **Where**

Major Equipment

- Cogeneration Plant – 13 Mega Watts
- Central Heating Plants – 578.1 million BTU/hr
- Central Cooling Loops – 16,625 tons
- Underground Distribution – 192 miles

Energy Usage

- Electric – Purchase, 292,100,000 kWh – Produce 115,000,000 kWh = 407,100,000 kWh per year
- Natural Gas – Purchased 2,988,738 dekatherms
- Oil – 290,000 gallons
- Water – 566,000,000 gallons
- Carbon Footprint – 345,197 tons CO₂

Why conservation

- Climate Control – Reduce Green-House Gases
- Reduce dependence on fossil fuel
- Reduce energy costs

Achievements

- 5 - DSM Projects – Saving 13 million kWh yearly that avoiding 7,226 tons of CO₂
- Reduced water usage by 200 million gallons since 2003-04
- Completed Phase 1 – HTHW underground lines

Conservation Projects

- HTHW – Line replacement
- Lighting Project
- Motors and Transformers
- Solar Project

Future

- Water saving devices
- Building set-backs
- V.F.D.
- Network Energy Manager
- Renewable energy sources

Contact Information

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