

**Building Name:** Fleming Administration Building  
**Report Date:** July 2013  
**FY13 Utility Costs:** \$284,737

### Energy Conservation

#### Utility Data (July 2012 - June 2013)

- Avoided **\$40,000**/year in energy costs at FY13 rates.
- Decreased overall energy usage by **11%**
  - Decreased steam usage by **7%**
  - Decreased electric usage by **32%**
- Energy avoidance is equal to what is required annually to power, heat and cool **24** average US households
- *Above values compared to weather-adjusted baseline*
- *Note: A steam trap failure in June-July 2009 caused a large increase in steam usage, and the problem has been corrected.*

#### Carbon Emissions Impacts

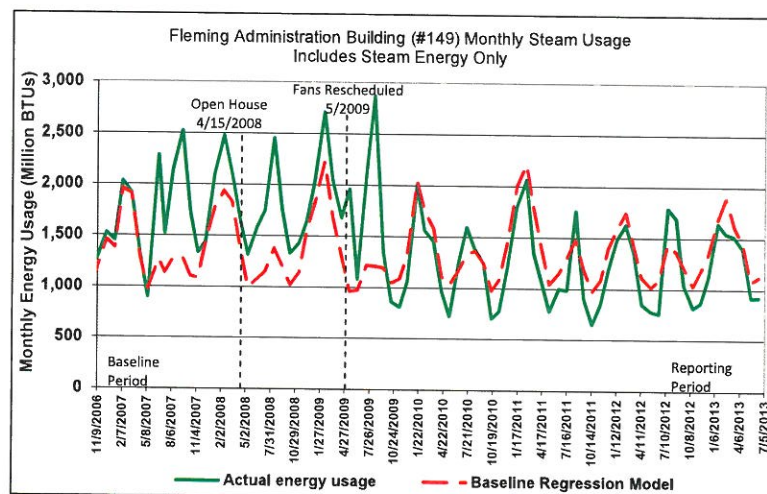
- Avoided **233** Metric Tons/year of CO<sub>2</sub>
- CO<sub>2</sub> avoidance is equal to removing **47** average automobiles from US roads

#### Key Activities

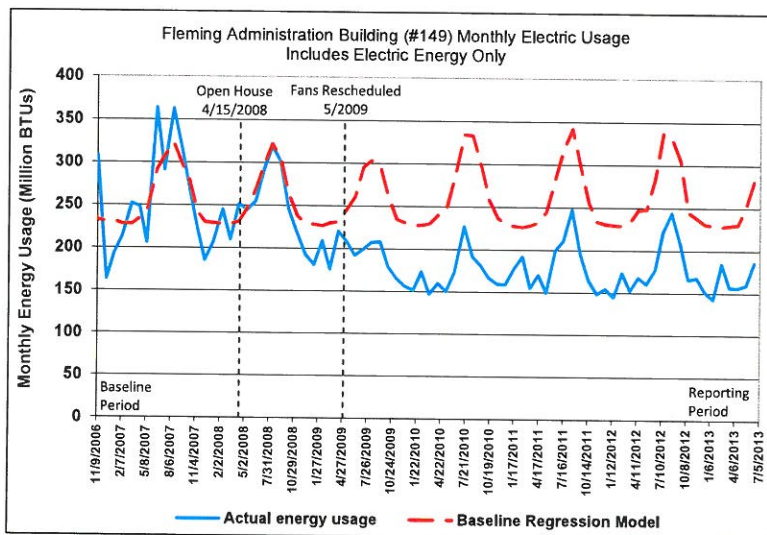
- Server room cooling modifications
- Fan scheduling
- Exhaust fan conversion
- Motion sensing power strips
- Restroom water conservation
- Steam trap testing/replacement
- Cogged belts
- Building recommissioning
- LED lighting

#### Recycling

- FY11 Recycling Rate: **58.7%** (FY11 Campus Avg: 30.5%)
- FY12 Recycling Rate: **59.4%** (FY12 Campus Avg: 42.3%)
- FY13 Recycling Rate: **43%** (FY13 Campus Avg: 32.8%)
- Note: FY13 used different conversion factors than previous FYs



The chart above shows actual steam usage (shown in green) compared with the historical, weather-adjusted steam usage pattern from baseline years (shown in red).



The chart above shows actual electric usage (shown in blue) compared with the historical, weather-adjusted electric usage pattern from baseline years (shown in red).