

# Energy Consumption Case Study

Genesis Health Care  
8 Assisted Living  
Health Care  
Facilities  
Northeast US

# Facility Locations

- Concord, New Hampshire
- Andover, Massachusetts
- Brookline, Massachusetts
- Fall River, Massachusetts
- Groton, Connecticut
- Cedar Grove, New Jersey
- Fairlawn, New Jersey
- Phillipsburg, New Jersey

# Methodology

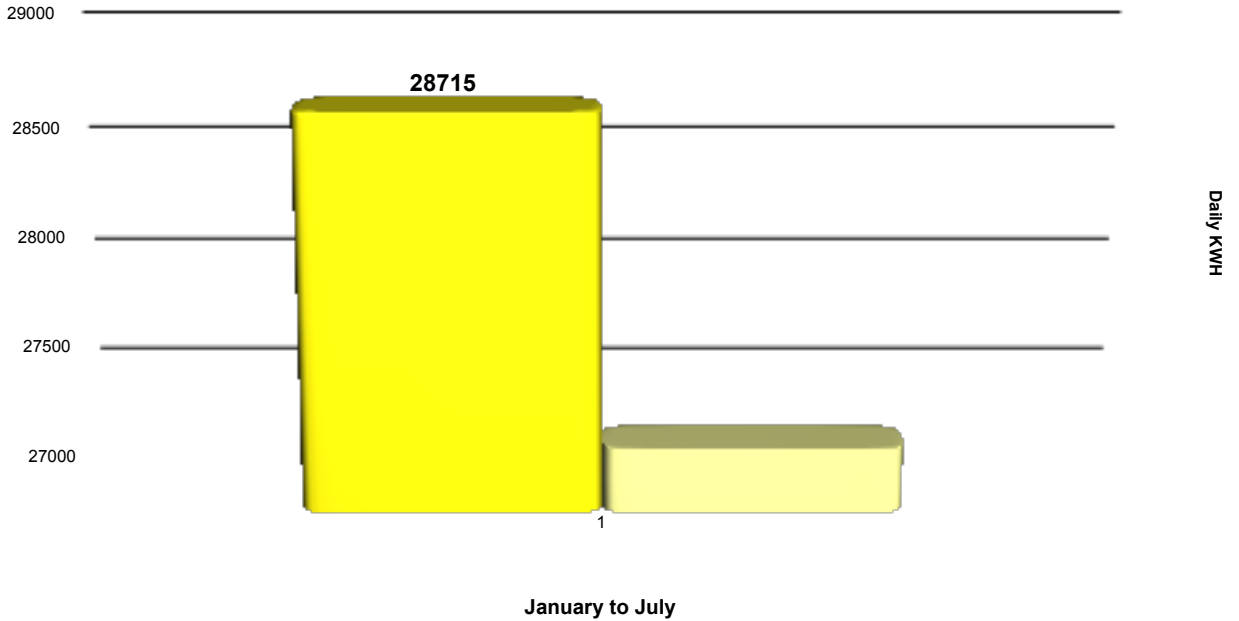
- Compare actual consumption data from Utility Bills for equal periods before and after installation of the Intellidyne controls.
- Install Intellidyne controls on Refrigeration, Air Conditioning and Heating Systems in all 8 facilities
- Baseline period; Jan-July 2003
- Comparison: Jan-July 2004

# Results

- Electricity Consumption
- Base Period (2003)
  - 28715 KWH per day
- Comparable Period (2004)
  - 27283 KWH per day
- KWH Reduction on total use
  - 1432 KWH per day
  - 5% of Total consumption

**Note: KWH = Kilowatt Hours**

# Electricity Consumption

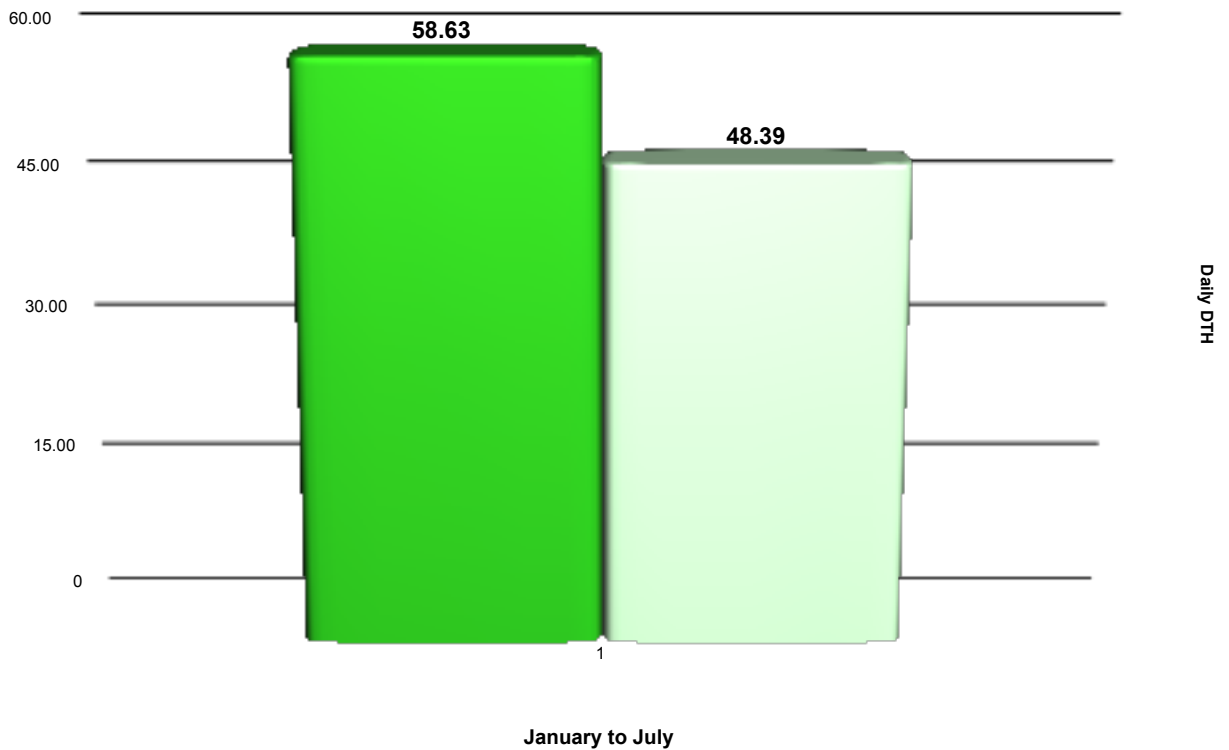


# Results (cont.)

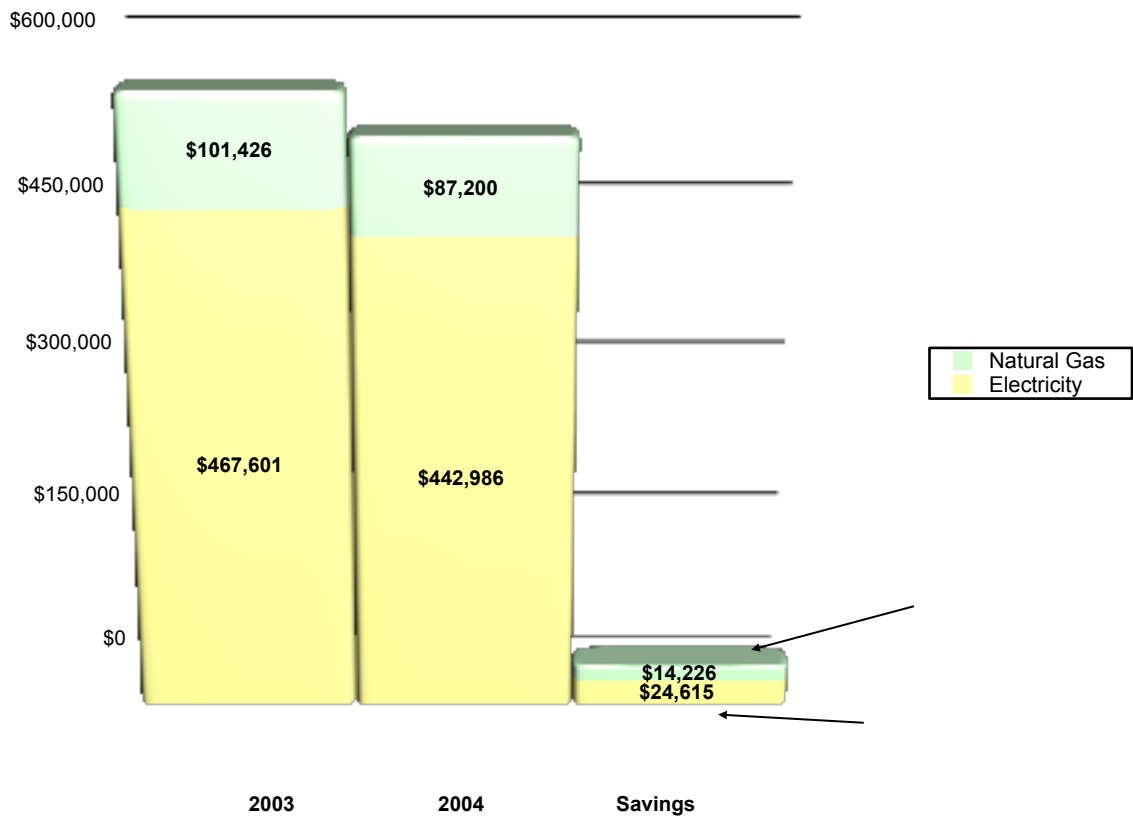
- Natural Gas Consumption
- Base Period (2003)
  - 58.6 DTH per Day
- Comparable Period (2004)
  - 48.4 DTH per Day
  
- DTH Reduction on total use
  - 10.2 DTH per Day
  - 17.5% of total Consumption

**Note: DTH = 10 Therms or 1,000,000 BTUs**

# Natural Gas Consumption



# Total Period Energy Costs



# Investment Analysis

Total Project Cost - \$55,175

Annualized Savings:

Electricity -  
\$44,219

Gas -  
\$36,109

Total - \$80,328

Payback Period – 8.2 Mo.

Annual R.O.I. – 146%