



Case Study

Remarkable Savings at Stevenson Memorial Hospital

March 2015





2012 Targets

Electricity (kWh/ft2)				Thermal (ekWh/ft2)				Total Energy (ekWh/ft2)		Savings Potential	
Base		Cooling		Base		Heating					
Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	%	Cost
19.5	19.5	3.2	2.2	27.1	24.4	29.2	17.3	79.1	63.4	19.8%	\$41,343



Stevenson Memorial Hospital

- Acute care site
- 87,000 square feet

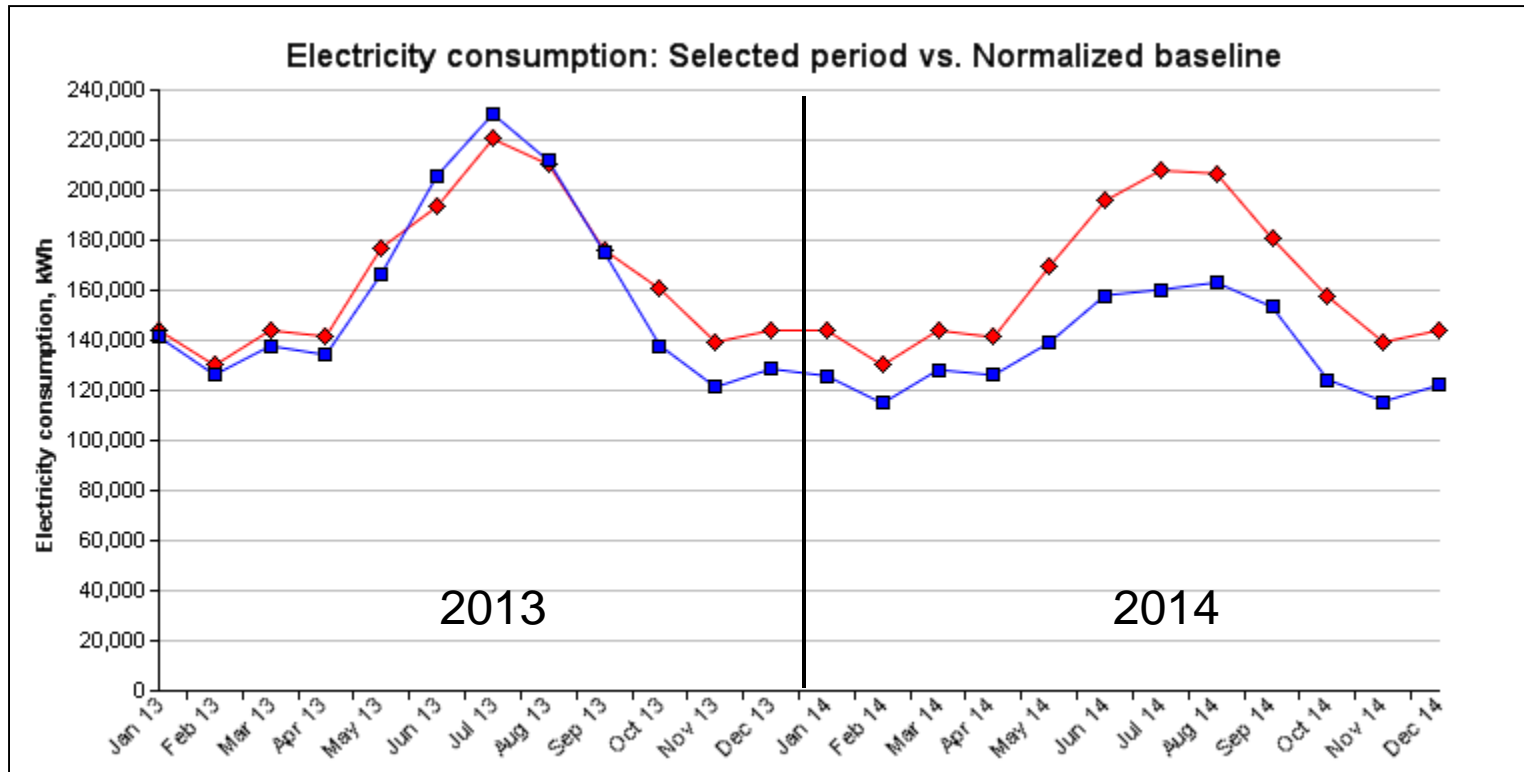


Measures

- Air balancing
- Variable frequency drives installed
- Transformers replaced
- Lighting retrofits



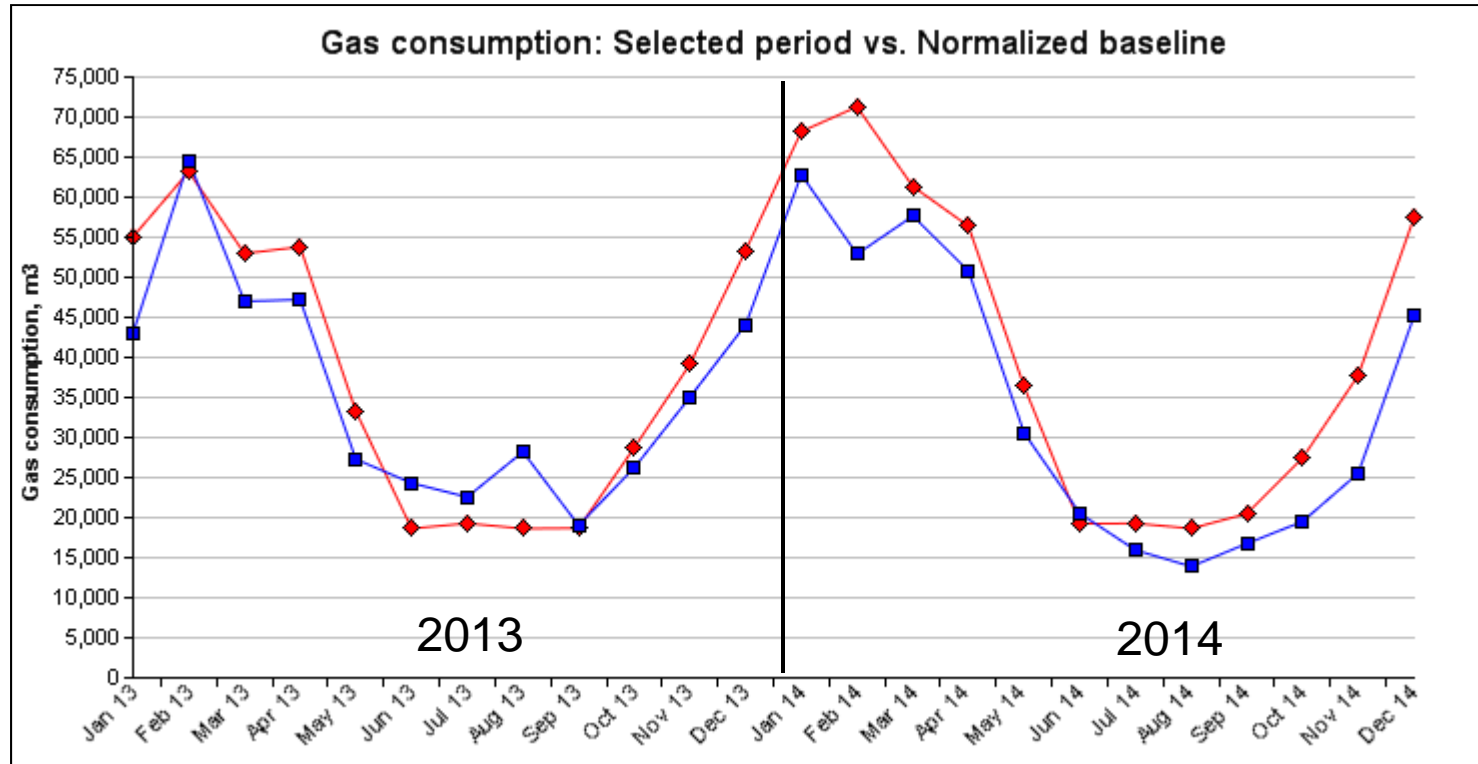
2014 Results (2012 Baseline) – Electricity



2014 Savings Results:
16.5% = 330,000 kWh
\$40,000



2014 Results (2012 Baseline) – Natural Gas



2014 Savings Results:
16.6% = 82,000 m³
\$20,000



Conservation Plan

- Esco project with Honeywell
- Maintenance team reviews data periodically and operators play a big role in performance
- Adjustments to ventilation & BAS for continuous improvement
- Further savings out there



Are we there yet?

Electricity (kWh/ft ²)				Thermal (ekWh/ft ²)				Total Energy (ekWh/ft ²)		Savings Potential	
Base		Cooling		Base		Heating		Actual	Target	%	Cost
Actual	Target	Actual	Target	Actual	Target	Actual	Target				
16.9	16.9	2.0	2.0	21.6	21.6	24.4	17.3	64.9	57.7	11.0%	\$15,008