Strategic Energy Management

Year One Accomplishments & Results

City of Albany
Jorge Salinas, IT Director
2014 Energy Trust SEM Cohort

October 9, 2014
Our Energy Management Activities

Technical

• Developed an Energy management policy, and gained organizational approval.

• Conducted building specific opportunity assessments
  • WWTP, Police, Library, Senior Center, Swim Center & City Hall.

• Created building specific opportunity registers and followed through on many of the high priority items
  • Identified some of the actions/projects undertaken or planned

• Established energy baselines including monitoring, tracking & reporting (MT&R) models for selected buildings
  • Tracking building performance and taking corrective action

• Reporting dashboards (facility & executive management)
Energy Management Policy
City of Albany

• City of Albany Goal(s):
  – Our initial goal was to reduce our overall electrical and natural gas energy consumption by 5% every year for the next three-year period, beginning in July 2014. This will result in a $31K - $77K on overall electrical and natural gas operating cost savings.
  – Establish an energy fund for future energy related projects that will enable the City to continue supporting the program.
Energy Baseline Example
City Hall

Predicted & Actual kWh Time Series

![Graph showing kWh usage over time with predicted, baseline, and post-baseline data points.]
Accomplishments - Our Projected Savings

For 2+4 Buildings

Electricity
- 822,721 kWh
- 10.71% of usage
- $61,646 Saved

Natural Gas
- 27,162 Therms
- 47.47% of usage
- $22,932 Saved

Per Building Savings
Range from under 0% to over 10% of kwh and 47% Therms

Projected Savings of $106,465 =
$84,578 in energy bill savings
+ $21,886 in incentive payments

Real Heroes: Richard Johnson & Tom Valentino
KWh and Therms Saved

KWh Saved
- City Hall: 504,381
- Police Station: 157,942
- Swim Center: 83,745
- WWTP: 67,269

Therms Saved
- City Hall: 18,237
- Swim Center: 7,004
- PW Ops: 1,445
- WWTP: 476
Questions