

Parkrose School District Facility Upgrades

Performance Period Utility Snapshot: 2011/2012

NATURAL GAS

- 2007/2008: 368,730 therms
- 2011/2012: 276,830 therms
- Reduced: 91,900 therms (24%)
- *Original Estimate: 95,774 therms*

ELECTRICITY

- 2007/2008: 5,010,343 kWh
- 2011/2012: 4,514,685 kWh
- Reduced: 495,658 (10%)
- *Original Estimate: 332,005 kWh*

TOTAL UTILITY COST SAVINGS

- Net Savings vs. 2007/2008: \$ 74,660
- Savings at baseline rates: \$136,400
- Avoided Cost: \$127,434
- Savings Verified by M&V: \$129,822
- *Original Savings Estimate: \$127,379*

PROJECT NOTES

PROJECT TIMELINE

- Baseline for comparison: 2007/2008
- Project construction: 2008/2009
- Performance period: 2011/2012

UTILITY RATE CHANGES 2008 TO 2011

Blended Electricity Rate Increase ~ 30%
Natural Gas Rate Decrease ~ 15%

TOTAL ENERGY REDUCTION PER AREA

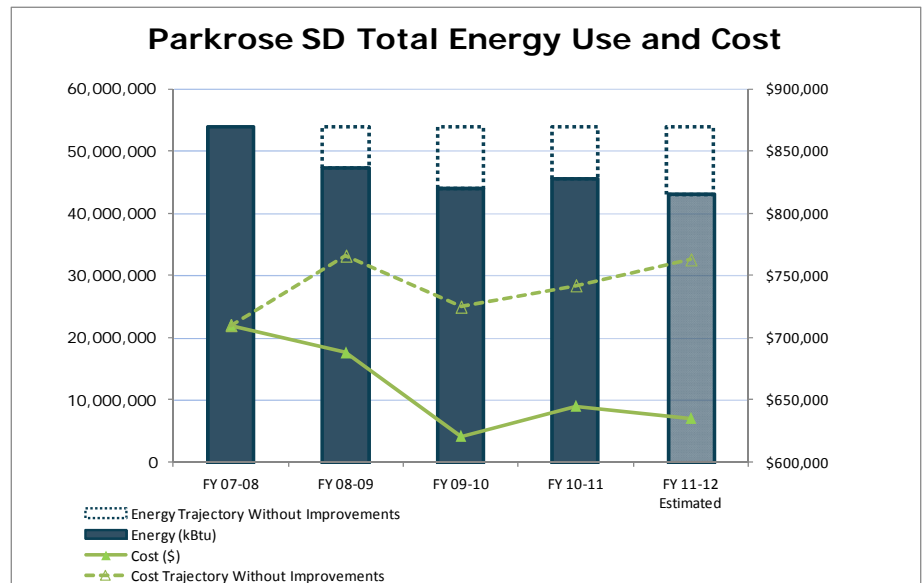
- Total decrease: 19 kBtu/ft² (20%)
- New Energy Use Index: 73 kBtu/ft²

ASSUMPTION

Utility data for remainder of 2011/2012 school year is extrapolated based on 2010/2011 data and first half of 2011/12 school year assuming no major change in factors listed below.

FACTORS AFFECTING CONSUMPTION

- Occupancy
- Weather
- Space temperatures
- Plug Loads
- Usage/Operations



TOTAL ENERGY USE AND COST BY SCHOOL YEAR

Energy savings is apparent during the performance period for the Parkrose School District Energy Savings Performance Contract project. Total energy use district-wide is down 20%, saving the district nearly \$130,000.

Utility bill tracking can be an effective tool to gauge energy trends at public facilities. In this case, the utility bills clearly show a correlation with recent energy upgrades. However, because the factors listed at the bottom of the sidebar can significantly affect energy use, the contractual measurement and verification for this project will rely on retrofit isolation analysis. The retrofit isolation analysis will focus on the key performance indicators affecting each facility improvement measure to determine project performance. The original energy and cost saving estimates are listed in the sidebar for reference only.

Please refer to the Measurement and Verification Report for more information on the energy savings from the project at Parkrose School District. This report will be available in the first quarter of 2012.