

Energy Conservation Program Update

Whitefish Bay Schools

August 2003 - July 2016

The Whitefish Bay School District



An Exceptional Place To Learn

Whitefish Bay Schools

Energy Savings To Date:

\$3,124,467

25%

13 years into energy program

Energy Cost Analysis

August 2003 - July 2016

Expected Energy Cost	\$12,319,978
Actual Cost	\$9,195,511
Program Savings	\$3,124,467
Savings Percentage	25%

Expected Energy Cost

- Amount organization would have spent on energy without energy program
- Base year usage adjusted for changes in weather, energy loads and prices

Actual Energy Cost

- Actual energy costs for electricity, water, sewer, and gas as a result of energy program

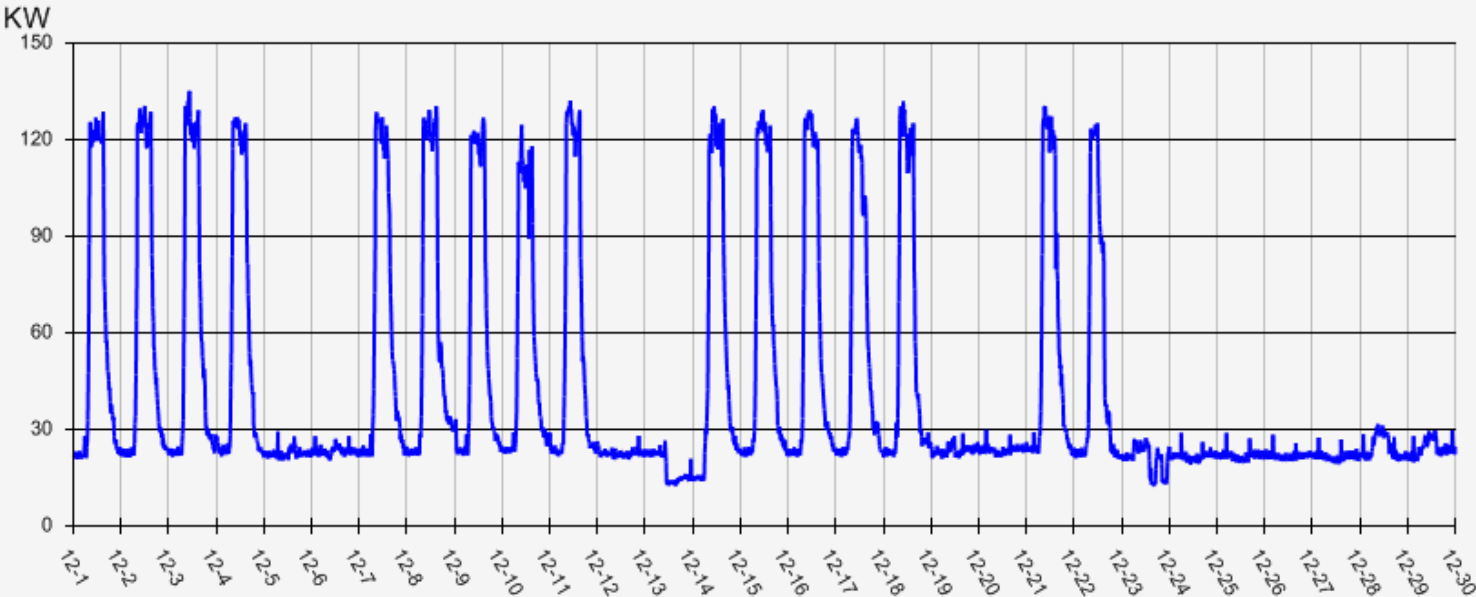
Program Savings

- Program implementation resulting in behavior changes
- Cenergistic training and support
- Reductions in equipment run times

Reduction in Electrical usage

WHITEFISH BAY SCH DIST Richard - 9248442121

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Energy Program Success

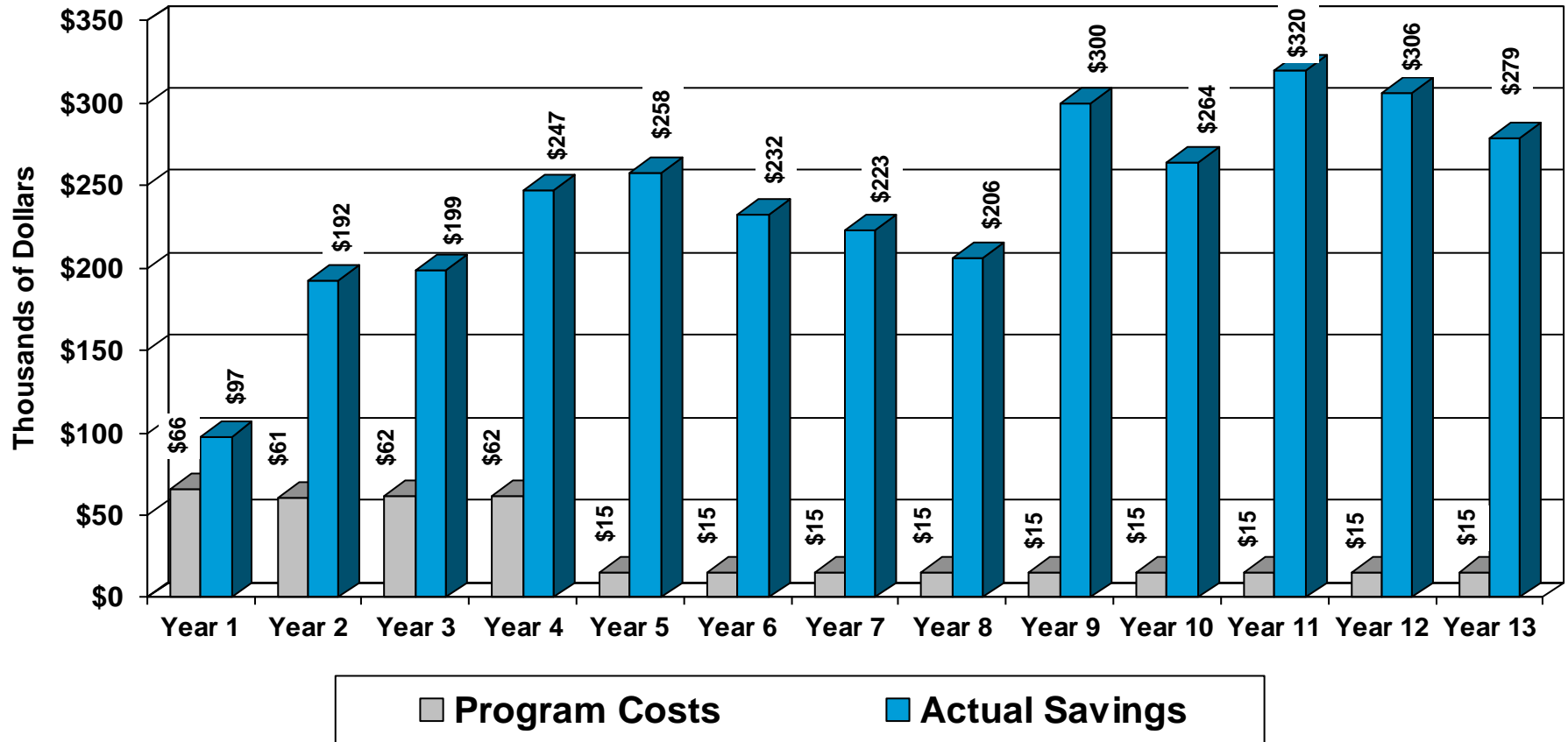
Success Factors

1. **Teamwork** — All organization personnel
2. **Data analysis** — Energy Specialist
3. **On-site training and expertise** — Cenergistic
4. **Comprehensive facility audits** — Expert identification of energy conservation opportunities throughout system facilities

Program Benefits and Features

1. **Budget** — Dollars retained for educational purposes
2. **Environmental** — Conservation of natural resources
3. **Self-funding program** — Conservation activities generate savings which pay for the program
4. **Longevity** — Program designed to be ongoing, with free support from Cenergistic after paid contract term

Program Cost vs Actual Savings



Energy Program Environmental Impact

Reduction of 16,411,651 kWh

Equivalent to one of the following:



- Avoiding CO2 emissions from driving 28 million miles in an average passenger vehicle**
- Avoiding the CO2 emissions from consuming over 26,000 barrels of oil**
- The CO2 emissions saved from changing over 408,850 incandescent lamps to LED's**

According to the EPA