

Transformational Energy Management[®] Process

Whitefish Bay Schools

August 2003 – July 2011



Whitefish Bay Schools



Energy Savings To Date:

\$1,654,035

23%

96 months into energy program

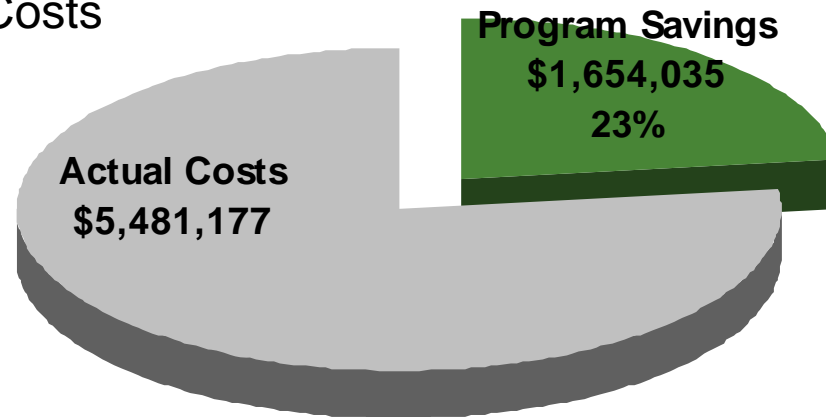
Energy Cost Analysis



August 2003 – July 2011

Expected Energy Costs

\$7,135,212



Expected Energy Costs

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

Actual Energy Costs

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

Program Savings

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

Energy Program Success



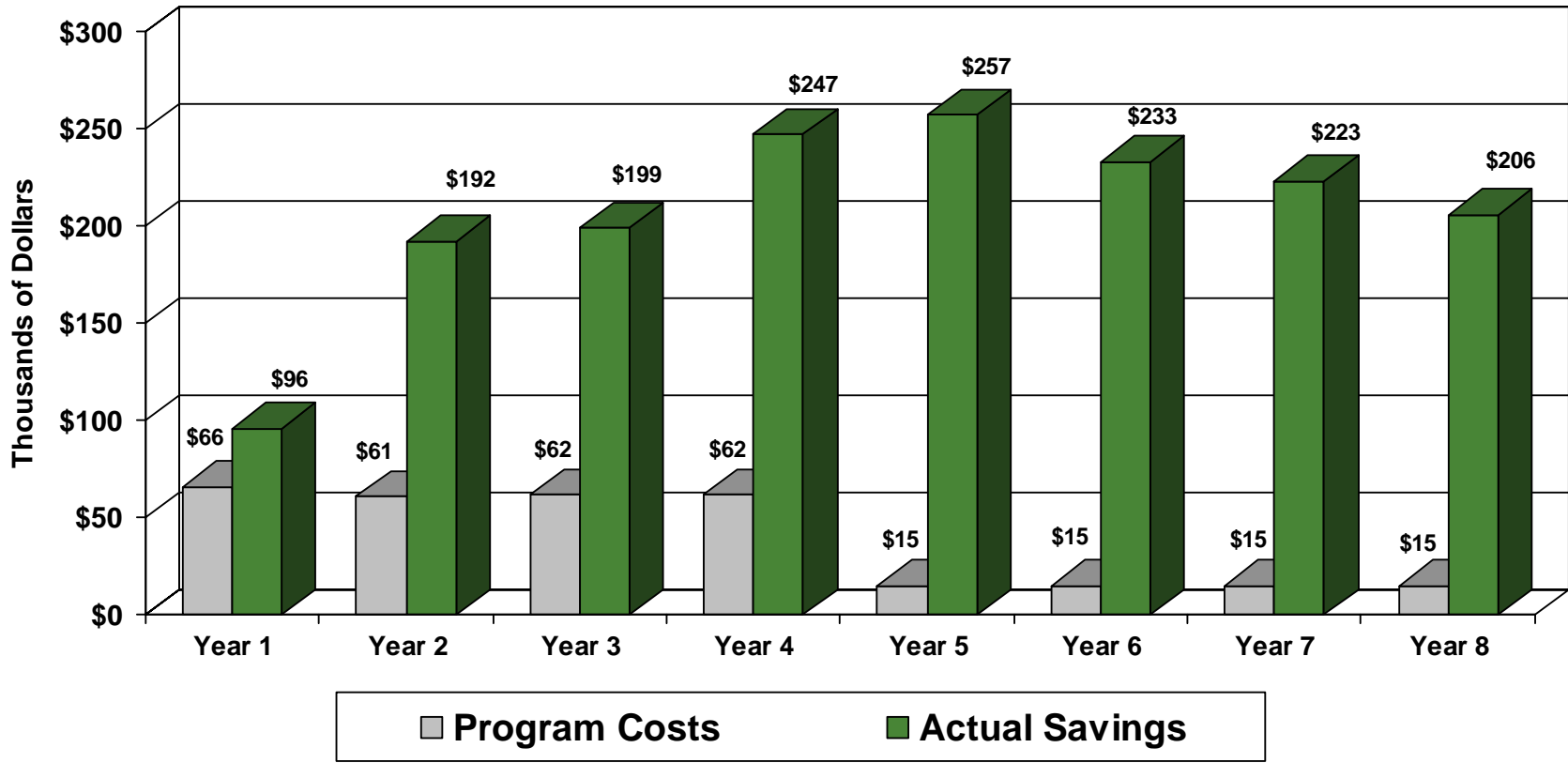
Success Factors

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

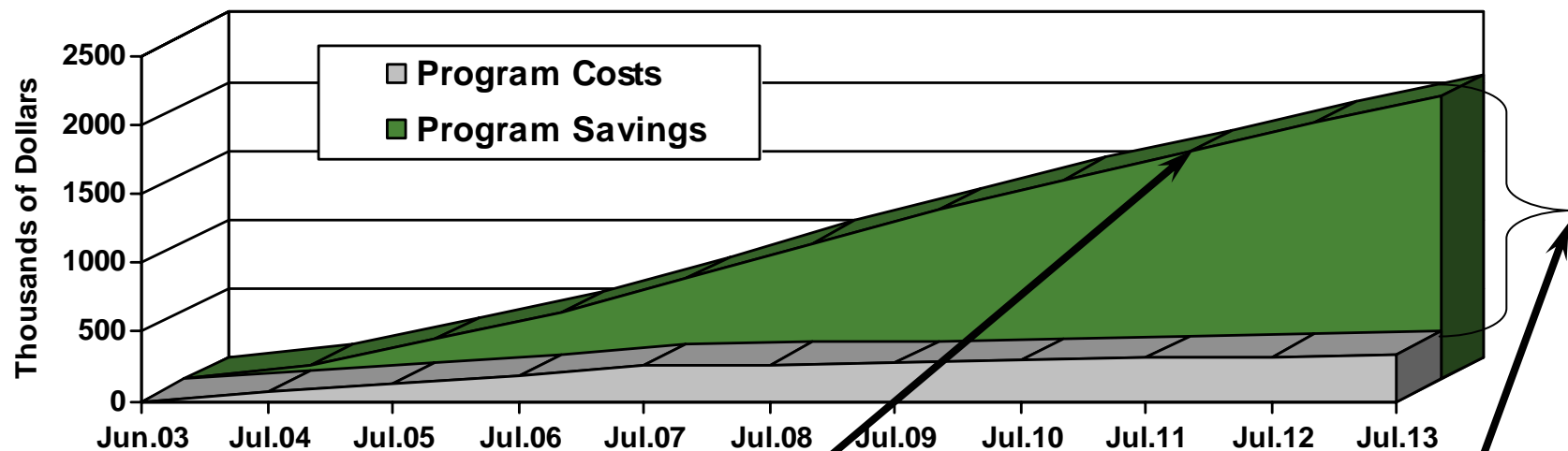
Program Benefits and Features

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 Energy Education after paid contract term

Guaranteed vs Actual Savings



10-Year Projected Savings



Gross savings to date:

- \$1,654,035
- 23%

Projected net savings:

- July 2013
- \$2,054,000

Continued Program Success With Energy Education Support

Energy Program Environmental Impact



Reduction of 9,302,951 kWh

Equivalent to one of the following:

- **Avoiding CO₂ emissions from 719,160 gallons of gasoline**
- **Avoiding CO₂ emissions from electricity use of 800 homes for one year**
- **GHG emissions avoided by recycling 2,235 tons of waste instead of sending it to a landfill**



According to the EPA