

# Energy Conservation Program Update

## Whitefish Bay Schools

August 2003 - July 2017

The Whitefish Bay School District



An Exceptional Place To Learn

# Whitefish Bay Schools

Energy Savings To Date:

**\$3,401,344**

**25.7%**

14 years into energy program

# Energy Cost Analysis

August 2003 - July 2017

Expected Energy Cost	\$13,246,125
Actual Cost	\$9,844,781
<b>Program Savings</b>	<b>\$3,401,344</b>
<b>Savings Percentage</b>	<b>25.7%</b>

## 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

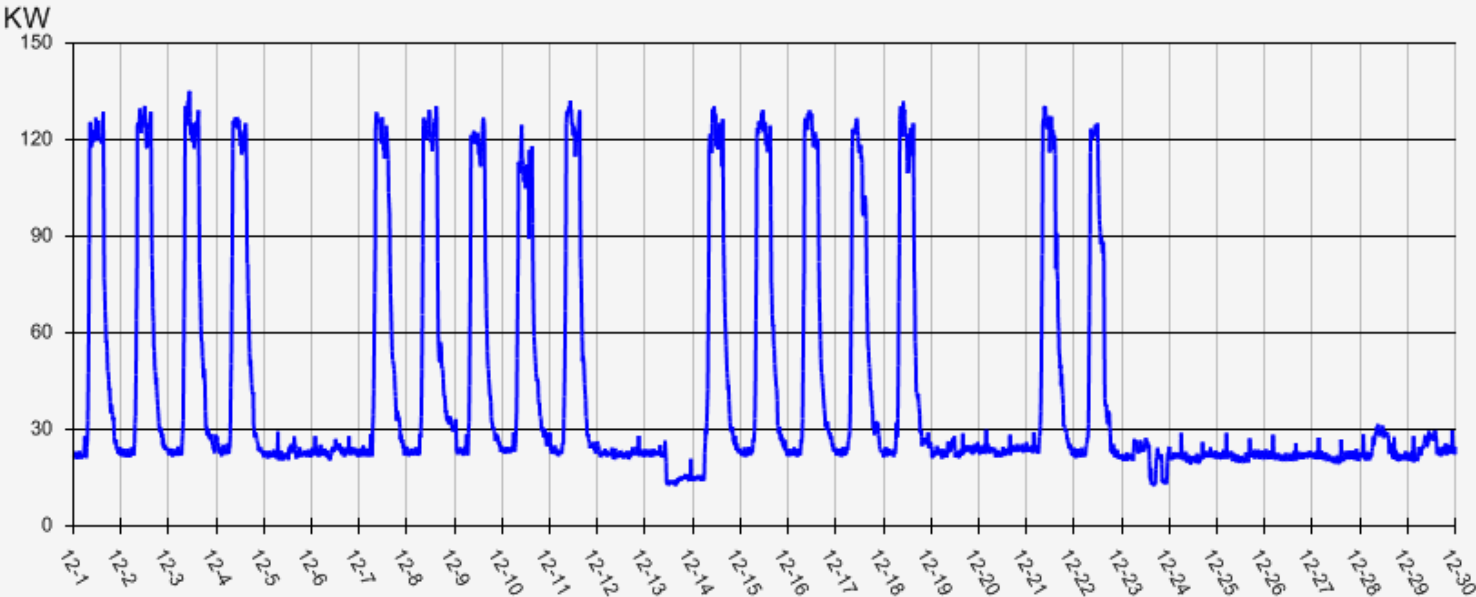
## Program Savings

- 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

(E) (T) 9248442121 (1) (KW)



# Energy Program Success

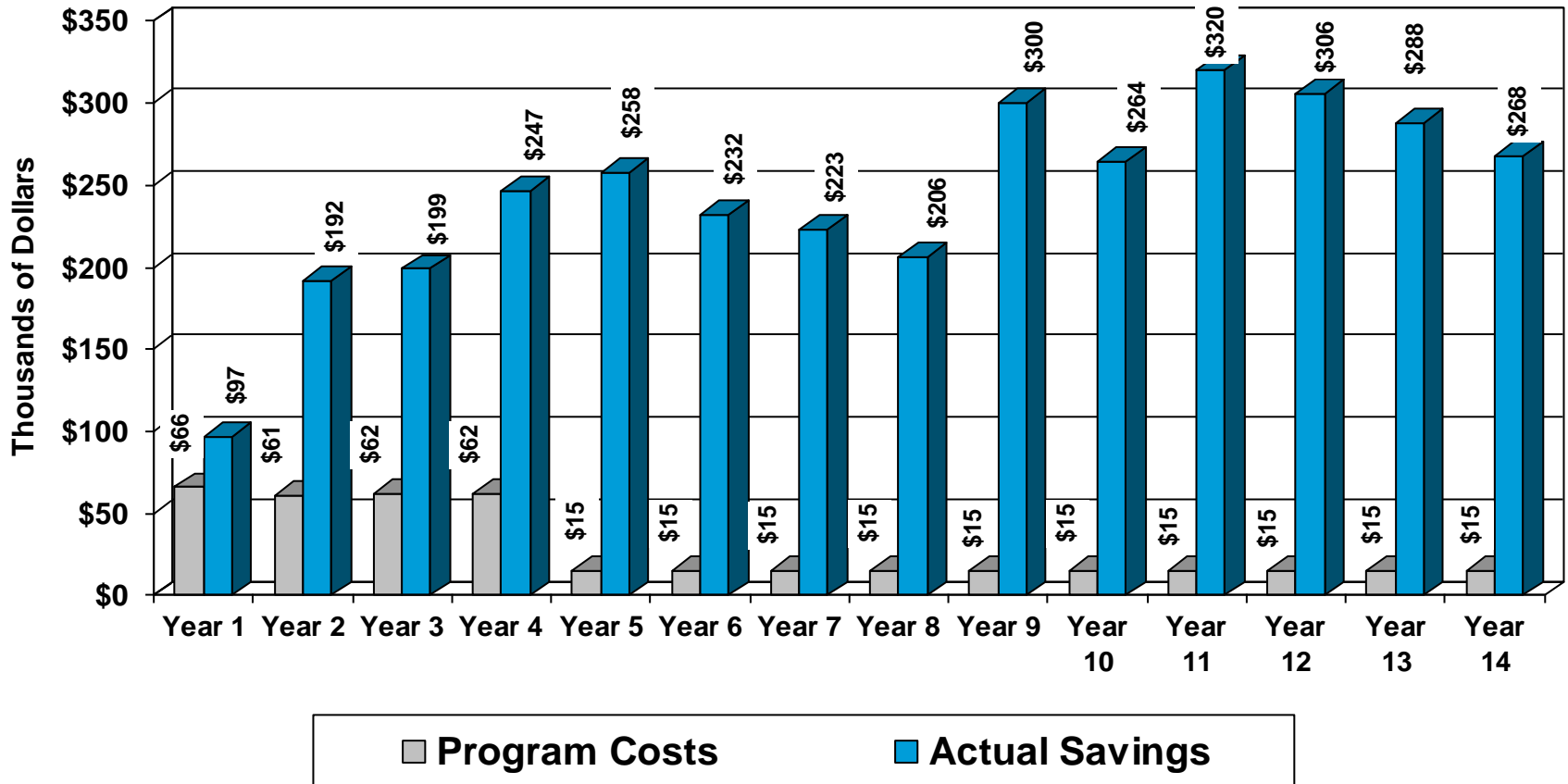
## Success Factors

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 17,883,062 kWh**

**Equivalent to one of the following:**



- Avoiding GHG emissions from driving 32.6 million miles in an average passenger vehicle**
- Avoiding the CO2 emissions from consuming 1.5 million gallons of gasoline**
- The CO2 emissions saved from changing over 445,000 incandescent lamps to LED's**

**According to the EPA**