

The Energy Educator

ENERGY MANAGEMENT

Year 1
2001

Walla Walla Public Schools
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The Energy Management Program

Purpose: To avoid wasting utilities in order to save money to be used for instructional needs.

Guiding Rules:

- Do not interfere with the classroom instructional program.
- Do not light areas that are not in use.
- Do not heat or cool unoccupied areas. Establish and practice equipment shutdown procedures for daily and holiday savings.

Three Steps to Energy Savings

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|--|--|
| 1. Turn off lights when you leave the room. | Settings for Setback: Heating 55 Degrees |
| 2. Turn off <u>all</u> electronic equipment at the end of the day. | Cooling 90 Degrees |
| 3. Turn off or setback the thermostat every day. | (Fans set on Auto.) |



Special points of interest:

- Utilities Tracked: Electricity, Gas, Water/Sewer/Sanitation.
- There are three phases to the Energy Management Program: Management, Education and Accounting.
- The Walla Walla School District energy costs in 1998-99 were over \$800,000.00.
- The Energy Management Program is consulted by Energy Education Inc..
- Energy Education Inc. works for and with only K-12 public schools nation wide. They currently have over 300 contracts.
- There are currently 4 schools in the state of Washington under contract with E.E.I.
- There was a total reduction of \$105,000 in energy costs in the 1st year of the Energy management program.
- The positive spirit and accountability of the Energy Manager, Principals, Custodians and Teachers will contribute to the success of the program.
- Energy efficiency is brought about by conservation strategies and technologies.
- People determine and control the use of energy.

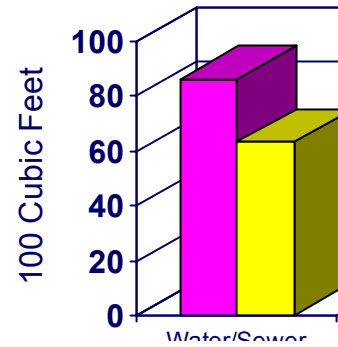
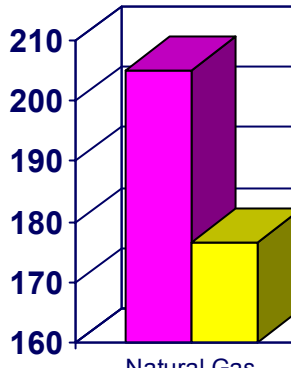
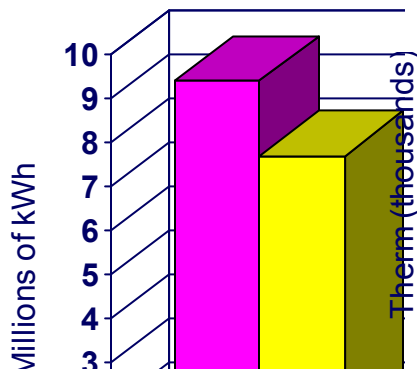
Walla Walla Public School System

Consumption Comparison (One Year)

Electricity
 Saved 1,763,320
 18.7%

Natural Gas
 Saved 28,356 th
 13.8%

Water/Sewer
 Saved 22,921
 26.6%



FULL PROGRAM SAVINGS				
Building	Adjusted Building Cost	Actual Cost	Cost Avoidance	Percent Saved
ADMINISTRATION	\$42,684.57	\$35,910.55	\$6,774.02	15.87%
BERNEY ELEMENTARY	\$108,652.58	\$81,085.85	\$27,566.73	25.37%
BLUE RIDGE ELEMENTARY	\$120,525.28	\$98,750.45	\$21,774.83	18.07%
EDISON ELEMENTARY	\$61,928.38	\$47,226.18	\$14,702.20	23.74%
GARRISON MIDDLE SCH.	\$162,575.18	\$122,675.13	\$39,900.05	24.54%
GREEN PARK	\$109,079.98	\$91,575.10	\$17,504.88	16.05%
PAINE CAMPUS	\$62,642.33	\$42,777.35	\$19,864.98	31.71%
PIONEER MIDDLE SCH.	\$182,493.49	\$143,443.42	\$39,050.07	21.40%
PROSPECT POINT	\$120,391.36	\$93,749.11	\$26,642.25	22.13%
REFUNDS AND REBATES	\$49,068.83	\$0.02	\$49,068.81	100.00%
SHARPSTEIN	\$35,574.09	\$30,487.03	\$5,087.06	14.30%
SUPPORT SERVICES	\$46,907.44	\$40,451.74	\$6,455.70	13.76%
WALLA WALLA HIGH SCH.	\$640,268.02	\$471,373.50	\$168,894.52	26.38%
Grand Totals:	\$1,742,791.53	\$1,299,505.43	\$443,286.10	25.44%

1st Year Savings	
Oct. 1999 - Sept. 2000	
ELECTRIC	25.11%
NATURAL_GAS	10.42%
WATER	26.21%
Total:	23.08%

FULL PROGRAM SAVINGS	
ELECTRIC	24.13%
NATURAL_GAS	14.82%
WATER	36.33%
Grand Total:	25.58%