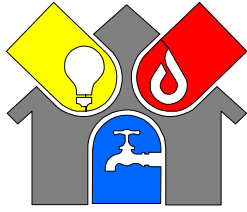


# The Energy Educator



## ENERGY MANAGEMENT

YEAR SEVEN

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

1. Turn off lights when you leave the room.
2. Turn off all electronic equipment at the end of the day.
3. Turn off or setback the thermostat every day.

Settings for Setback: Heating 55 Degrees  
Cooling 90 Degrees  
(Fans set on Auto.)



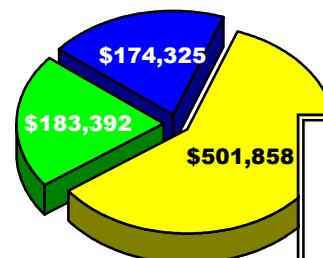
Year 7/ Oct. 2005– Sept. 2006

	<u>Percent Saved</u>
ADMINISTRATION	10%
BERNEY ELEMENTARY	25%
BLUE RIDGE ELEMENTARY	29%
EDISON ELEMENTARY	29%
GARRISON MIDDLE SCHOOL	23%
GREEN PARK	26%
PAINE CAMPUS	23%
PIONEER MIDDLE SCHOOL	23%
PROSPECT POINT	28%
SHARPSTEIN	6%
SUPPORT SERVICES	7%
WALLA WALLA HIGH SCH.	39%
<b>Grand Totals:</b>	<b>29 %</b>

### Special points of interest:

- The four year contract the district had with Energy Education, Inc. has ended. The district will no longer be required to pay the consulting fee which will result in an additional \$78,000 savings each year.
- Energy Education Inc. works for and with only K-12 public schools nation wide. They currently have over 300 contracts., 4 in Washington State.
- There was a total reduction of \$105,000 in energy costs in the 1st year of the Energy management program.
- The Energy Management program uses Energy CAP software to track utilities and Automated Logic: Supervision to control energy systems.
- Utilities Tracked: Electricity, Gas, Water / Sewer/, Sanitation.
- There are three phases to the Energy Management Program: Management, Education and Accounting.
- 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.
- The WWPS Energy Management Program has received over \$110,000 in Refunds and Rebates during the last four years.

Year 7 Costs: \$881,543

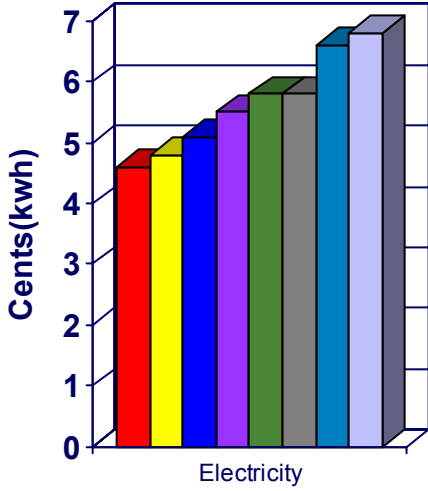


Base Year Costs:	\$748,288
Year 1 Costs:	\$645,033
Year 2 Costs:	\$681,280
Year 3 Costs:	\$749,180
Year 4 Costs:	\$767,412
Year 5 Costs:	\$811,367
Year 6 Costs:	\$812,237

# Utility Rate Comparison

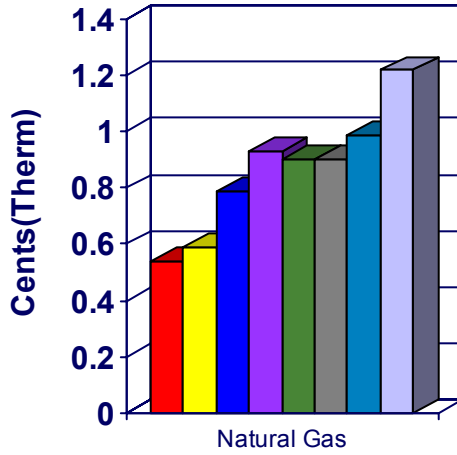
## Electricity

Up 47 % (6.8 Cents)



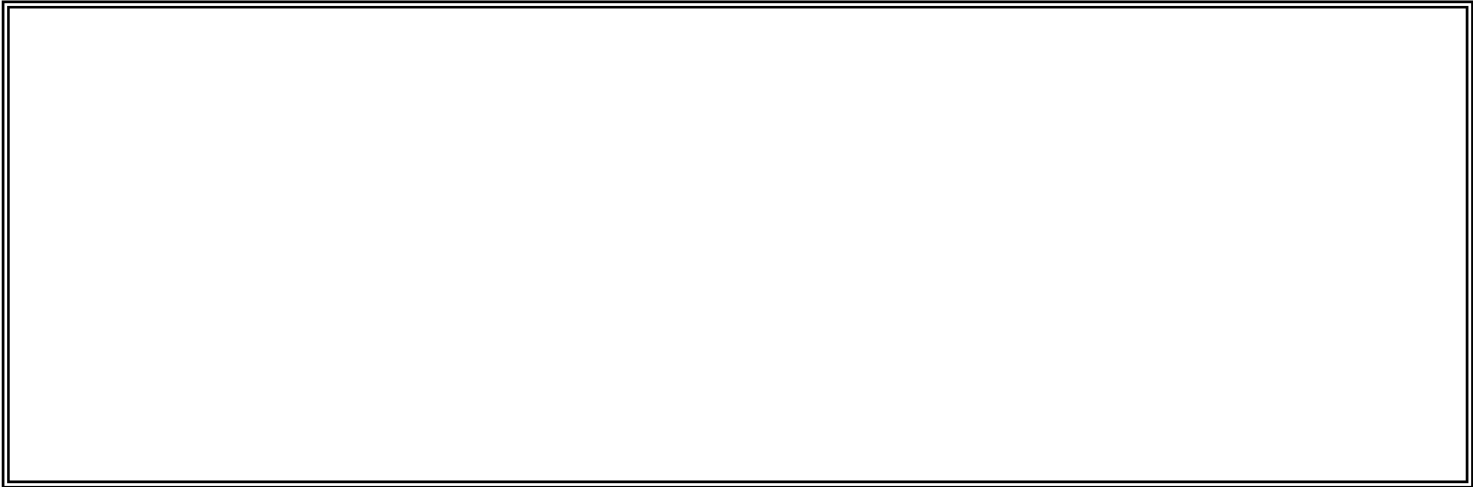
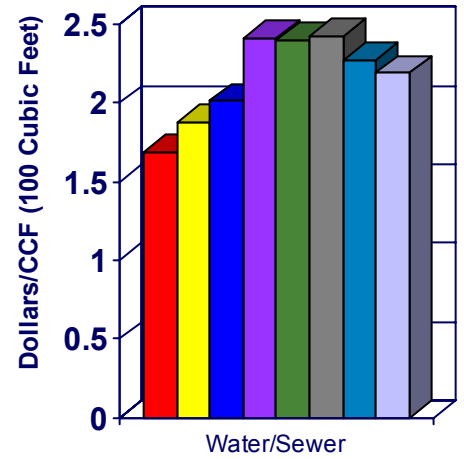
## Natural Gas

Up 125 % (\$1.22)



## Water/Sewer

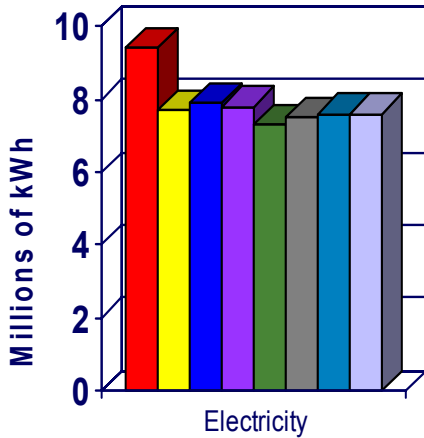
Up 29% ( \$2.19)



# Consumption Comparison

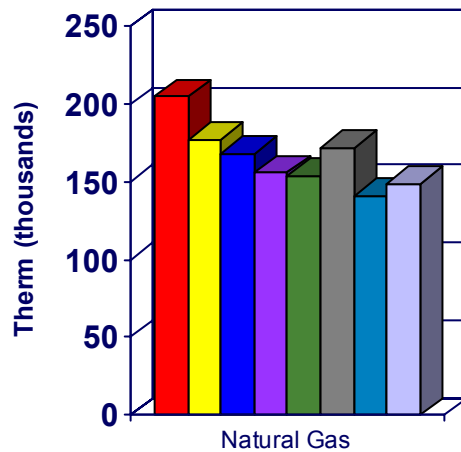
## Electricity

Saved 1,808,700 kWh  
19% (9.4 - 7.6)



## Natural Gas

Saved 55,000 therms  
27% (205 - 149)



## Water/Sewer

Saved 36,000 CCF (3,600,000 CF)  
31% (115 - 79)

