

The Energy Educator



ENERGY MANAGEMENT

YEAR 14

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The Energy Management Program

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

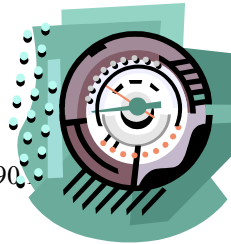
Guiding Rules:

- 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
(Fans set on Auto.)

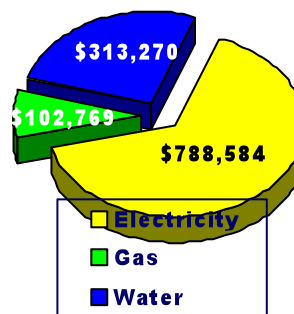


Oct. 2012– Sept. 2013	
	Percent Saved
ADMINISTRATION	-4%
BERNEY ELEMENTARY	25%
BLUE RIDGE ELEMENTARY	27%
EDISON ELEMENTARY	7%
GARRISON MIDDLE SCHOOL	19%
GREEN PARK	13%
LINCOLN CAMPUS	16%
PIONEER MIDDLE SCHOOL	25%
PROSPECT POINT	30%
SHARPSTEIN	2%
SUPPORT SERVICES	-8%
WALLA WALLA HIGH SCH.	32%
Grand Totals:	23%
Saved: \$367,427	
Electrical 22%	Gas 27%
Water 25%	

Special points of interest:

- 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.
- Energy Saving Achievements this far: Reduced water meter usage in WA-HI's Agriculture field will save more then \$20,000.00 annually. Rebated \$35,000.00 on an sewer charges at WA-HI. Rebated \$2,500.00 on overcharged water meter at Prospect Point. Rebated \$10,000.00 on overcharged water meter at WA-HI. Rebated \$800.00 on overcharged water meter at Pioneer Middle School. Removal of 4 meters that were not being used, but were being charged for. Reduction of \$200.00 to \$500.00 monthly on sanitation charges at various schools.
- Energy rate increases have totaled over \$ 711,000 in additional costs.
- Over the 14 years WWPS Energy Management Program has saved over 24% and 4.1 Million dollars.

Year 14 Costs:



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
Year 7 Costs:	\$881,543
Year 8 Costs:	\$967,473
Year 9 Costs:	\$962,116
Year 10 Costs:	\$1,083,937
Year 11 Costs:	\$1,107,411
Year 12 Costs:	\$1,183,950
Year 13 Costs:	\$1,198,623

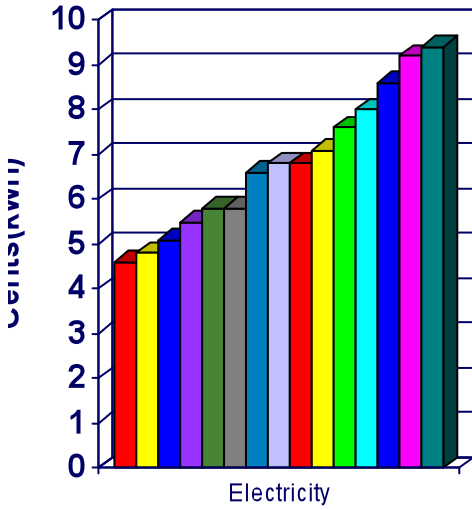
ENERGY STAR RATINGS

Building _____ Rating _____
Larger the number the Greater Energy Efficiency/Scale: 1-100

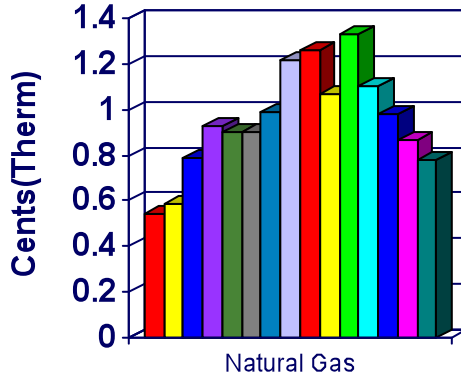
EDISON	94	GREEN PARK	87	BERNEY	83	SHARPSTEIN	82
PROSPECT P.	85	PIONEER	78	BLUE RIDGE	93	GARRISON	93
WA-HI	48	LINCOLN	85	ADMIN.	91	SUPPORT	72

Utility Rate

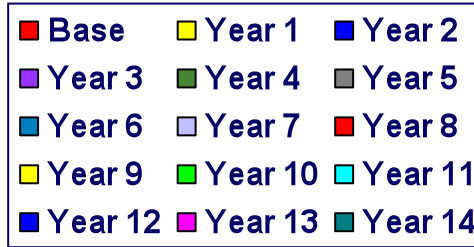
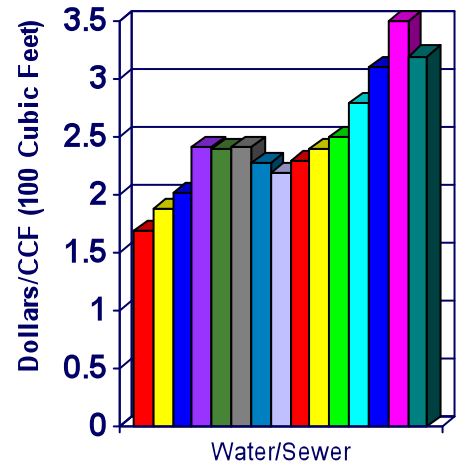
Electricity
Up 104% (\$.094)



Natural Gas
Up 45% (\$.78)

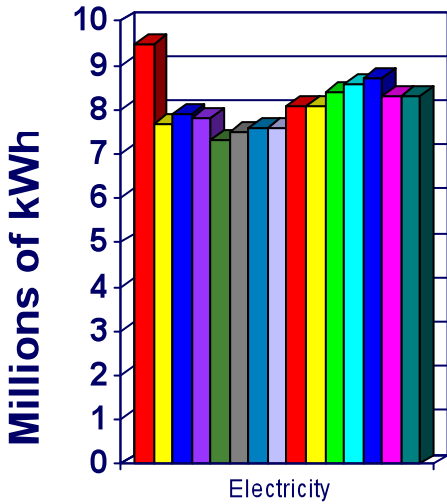


Water/Sewer
Up 89% (\$3.20)

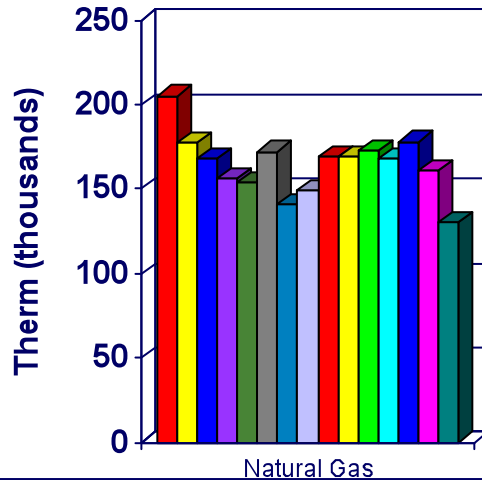


Consumption Comparison

Electricity
Saved 1,155,016 kWh
12% (9.5 - 8.3)



Natural Gas
Saved 74,361 therms
36% (205 - 130)



Water/Sewer
Saved 1,725 CCF
(17,257 CF)
15% (115 - 98)

