

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** February 15, 2022

TOPIC/TITLE: Energy Management Report

PRESENTER: Jeff Martello

ORIGIN:

- ☒ TOPIC PRESENTED FOR INFORMATION ONLY (No board action required.)
- ☐ ACTION REQUESTED AT THIS MEETING
- ☐ ITEM IS ON THE CONSENT AGENDA FOR APPROVAL
- ☐ ACTION REQUESTED AT FUTURE MEETING: (DATE)
- ☐ BOARD REVIEW REQUIRED BY

- ☐ STATE OR FEDERAL LAW OR REGULATION
- ☐ BOARD OF EDUCATION POLICY
- ☐ OTHER:

PREVIOUS REVIEW, DISCUSSION OR ACTION:

- ☐ NO PREVIOUS BOARD REVIEW, DISCUSSION OR ACTION
- ☐ PREVIOUS REVIEW OR ACTION

- ☐ DATE:
- ☐ ACTION:

BACKGROUND INFORMATION:

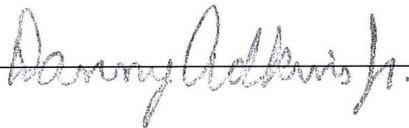
SUMMARY OF MAJOR ELEMENTS:

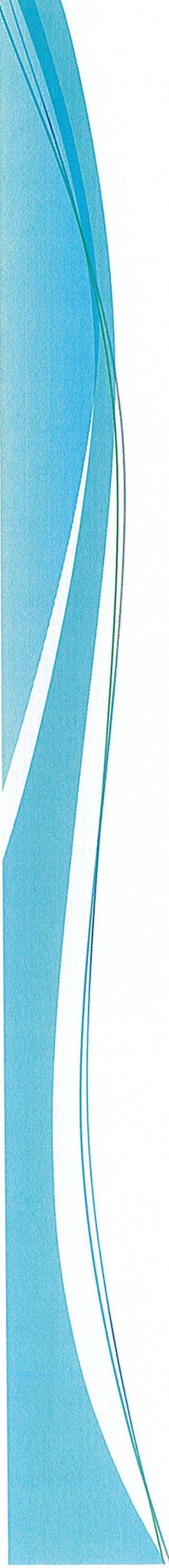
Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

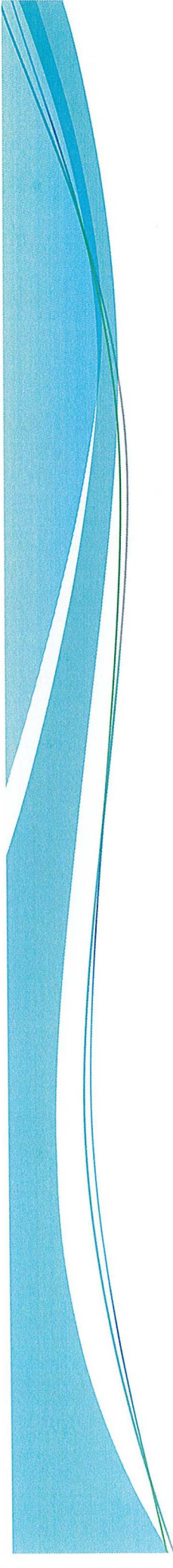
SUPERINTENDENT'S RECOMMENDATION: ☐ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

January 2022



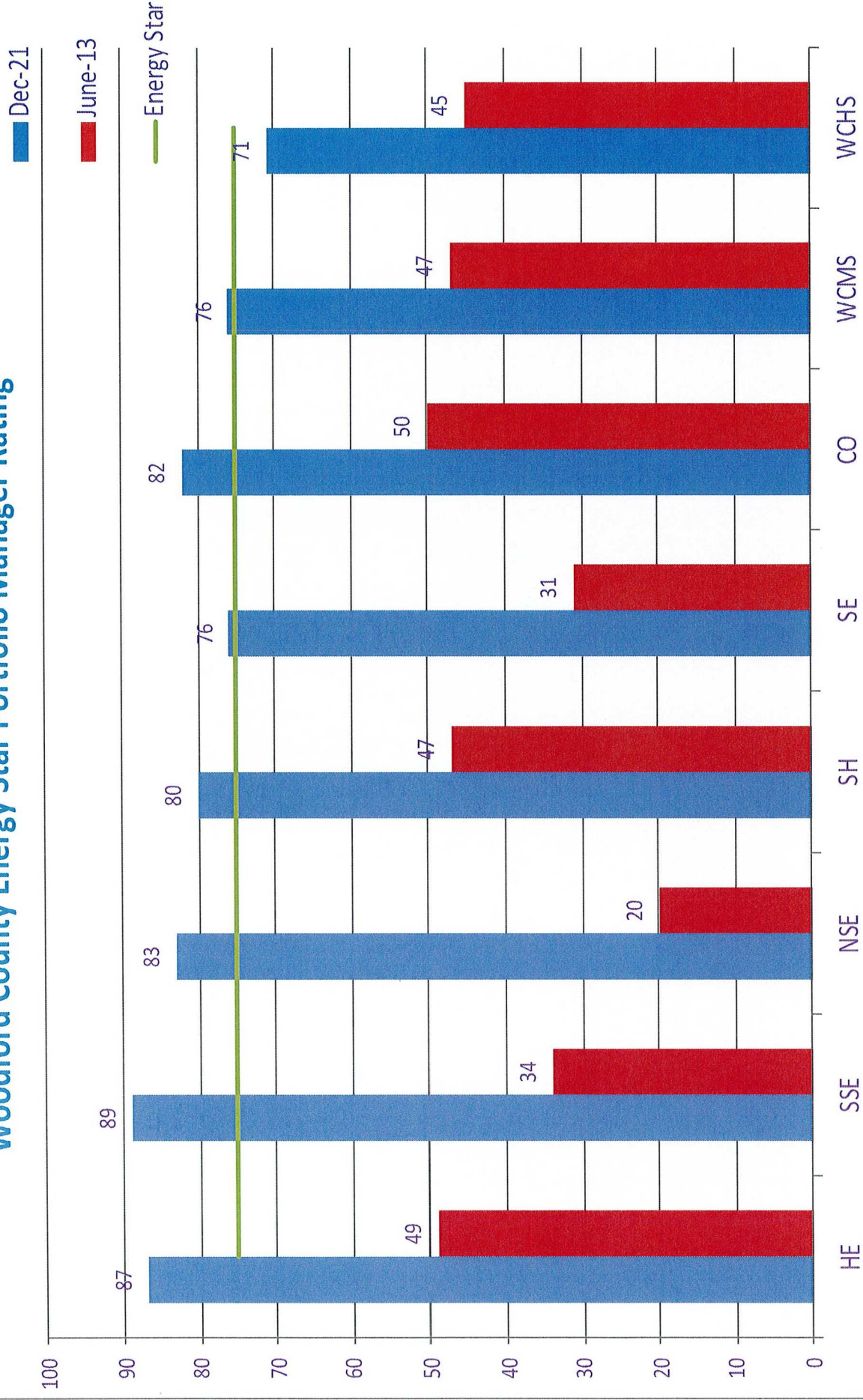
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$256,772	\$256,772
Rate Change Savings Current Year		\$22,903	\$22,903
Consumption Savings Prior Years		\$2,727,186	\$2,727,186
Consumption Savings Current Year		\$278,058	\$278,058
Energy Projects Prior Years	\$54,879		\$54,879
Energy Projects Current Year	\$0		\$0
Total	\$54,879	\$3,284,919	\$3,339,798

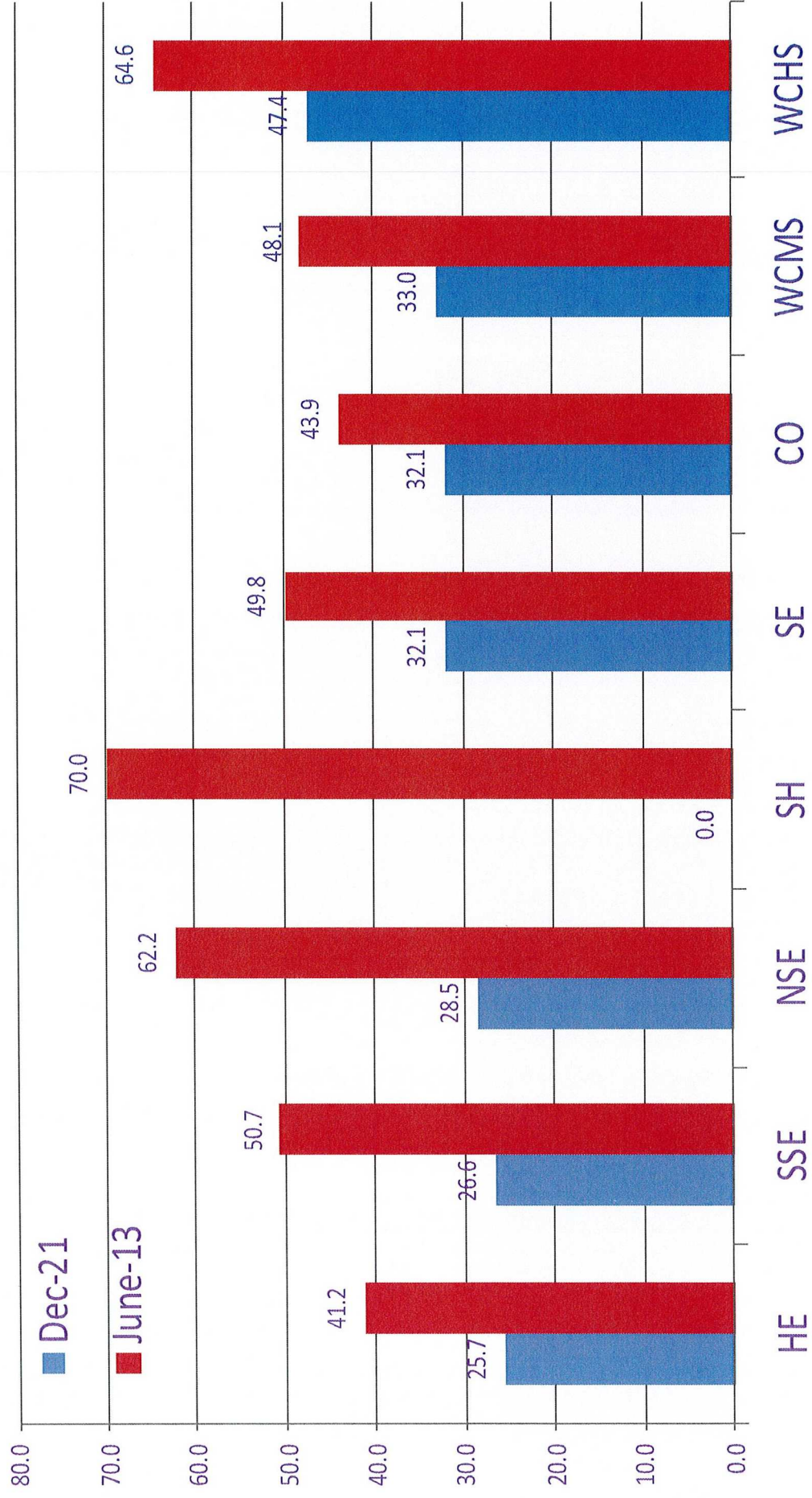
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Dec-21	Rating (1-100) June-13	Energy Use kbtu/sq ft Dec-21	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	87	49	25.7	41.2	-37.6%
Southside Elementary	89	34	26.6	50.7	-47.5%
Northside Elementary	83	20	28.5	62.2	-54.2%
Safe Harbor	80	47		70.0	-100.0%
Simmons Elementary	76	31	32.1	49.8	-35.5%
Central Office	82	50	32.1	43.9	-26.9%
Woodford County Middle School	76	47	33.0	48.1	-31.4%
Woodford County High School	71	45	47.4	64.6	-26.6%
Group Total	79	41	35.4	53.8	-34.2%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

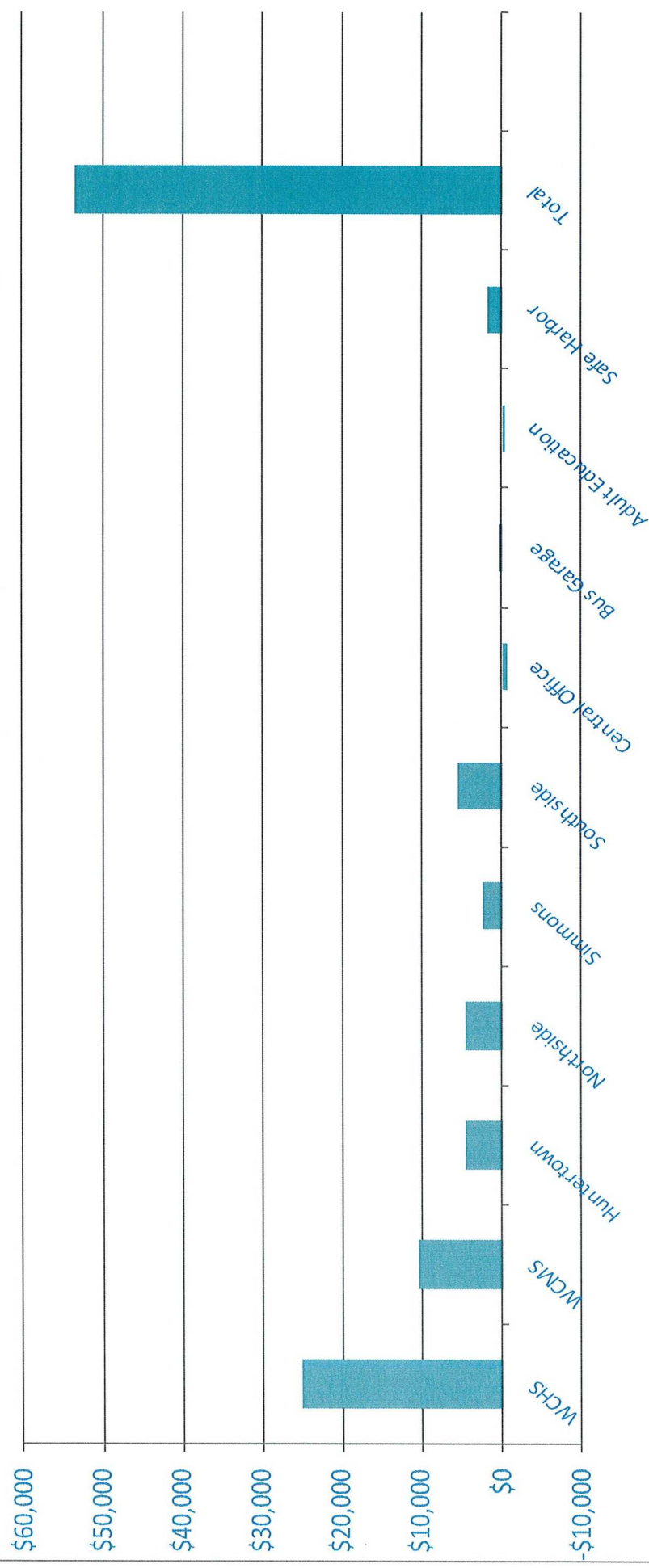
Energy Management Report

January 2022

School Facility	January					2021 - 2022 YTD Results				
	2021 Actual Kwh	2022 Actual Kwh	% Reduction	Position	\$ Cost Change	2020-21 Actual Kwh	2021-22 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	123,660	134,494	-8.8%	5	\$1,277	833,748	1,047,901	-25.7%	9	\$25,113
WCMS	89,520	76,800	14.2%	1	-\$1,499	642,000	730,800	-13.8%	5	\$10,413
Huntertown	44,200	57,000	-29.0%	10	\$1,509	270,200	309,400	-14.5%	6	\$4,597
Northside	56,000	60,240	-7.6%	4	\$500	241,440	280,640	-16.2%	7	\$4,597
Simmons	48,480	62,400	-28.7%	9	\$1,641	320,520	340,800	-6.3%	4	\$2,378
Southside	51,340	57,003	-11.0%	6	\$668	242,132	289,140	-19.4%	8	\$5,513
Central Office	20,880	18,000	13.8%	2	-\$339	101,520	96,480	5.0%	2	-\$591
Bus Garage	5,546	6,204	-11.9%	7	\$78	44,450	45,529	-2.4%	3	\$127
Adult Education	3,294	3,753	-13.9%	8	\$54	23,483	19,965	15.0%	1	-\$413
Safe Harbor	10,816	11,252	-4.0%	3	\$51	40,923	55,487	-35.6%	10	\$1,708
Total	453,736	487,146	-7.4%		\$3,938	2,760,416	3,216,142	-16.5%		\$53,442

Electrical Energy Cost Comparison to Last Year

July 2021 - January 2022 \$ Cost Change



Note: The Schools with the Lowest Bars are doing the Best Job in Reducing Costs