

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** March 8, 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:

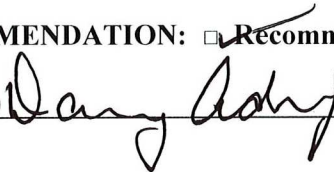
SUMMARY OF MAJOR ELEMENTS:

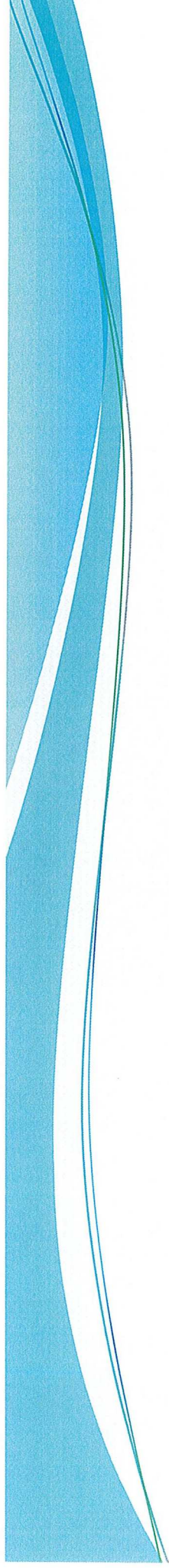
Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

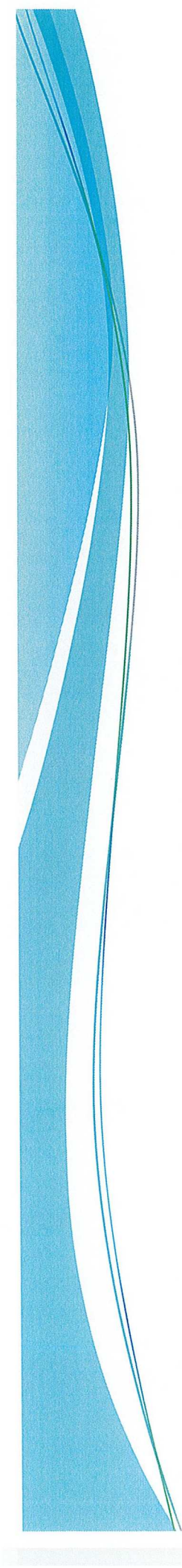
SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

February 2022



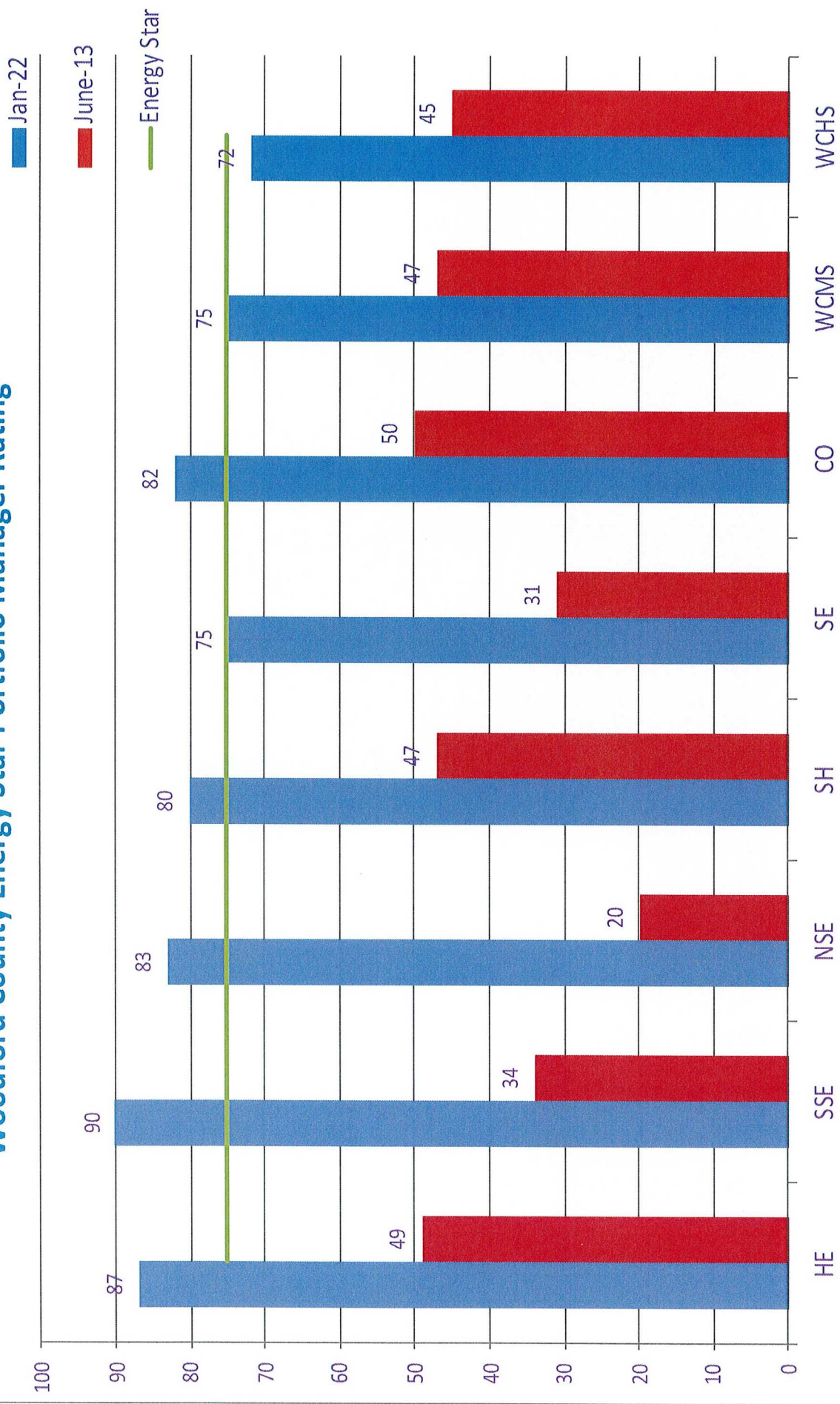
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$256,772	\$256,772
Rate Change Savings Current Year		\$26,175	\$26,175
Consumption Savings Prior Years		\$2,727,186	\$2,727,186
Consumption Savings Current Year		\$321,757	\$321,757
Energy Projects Prior Years	\$54,879		\$54,879
Energy Projects Current Year	\$0		\$0
Total	\$54,879	\$3,331,890	\$3,386,769

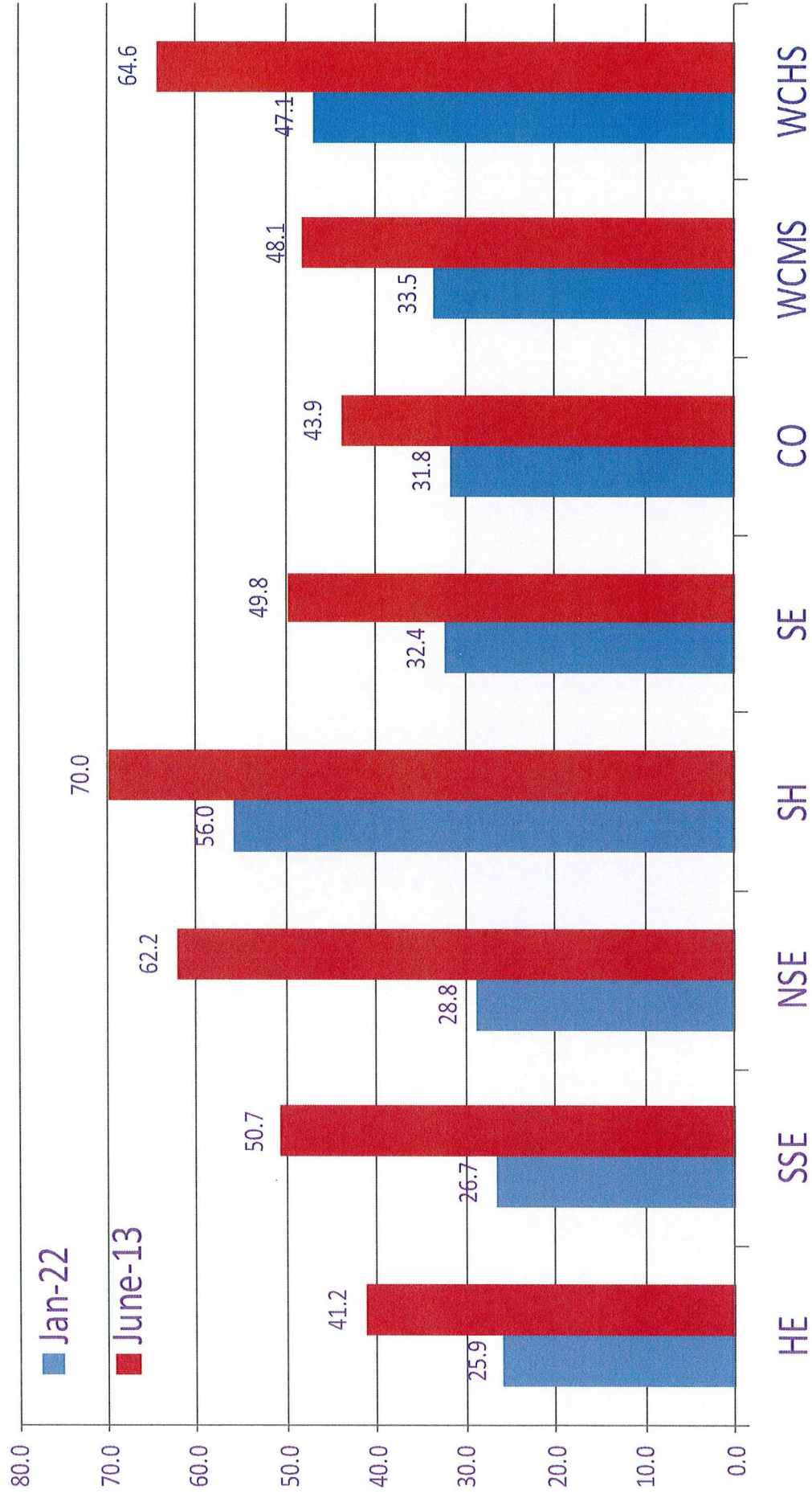
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Jan-22	Rating (1-100) June-13	Energy Use kbtu/sq ft Jan-22	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	87	49	25.9	41.2	-37.1%
Southside Elementary	90	34	26.7	50.7	-47.3%
Northside Elementary	83	20	28.8	62.2	-53.7%
Safe Harbor	80	47	56.0	70.0	-20.0%
Simmons Elementary	75	31	32.4	49.8	-34.9%
Central Office	82	50	31.8	43.9	-27.6%
Woodford County Middle School	75	47	33.5	48.1	-30.4%
Woodford County High School	72	45	47.1	64.6	-27.1%
Group Total	78	41	35.4	53.8	-34.2%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)



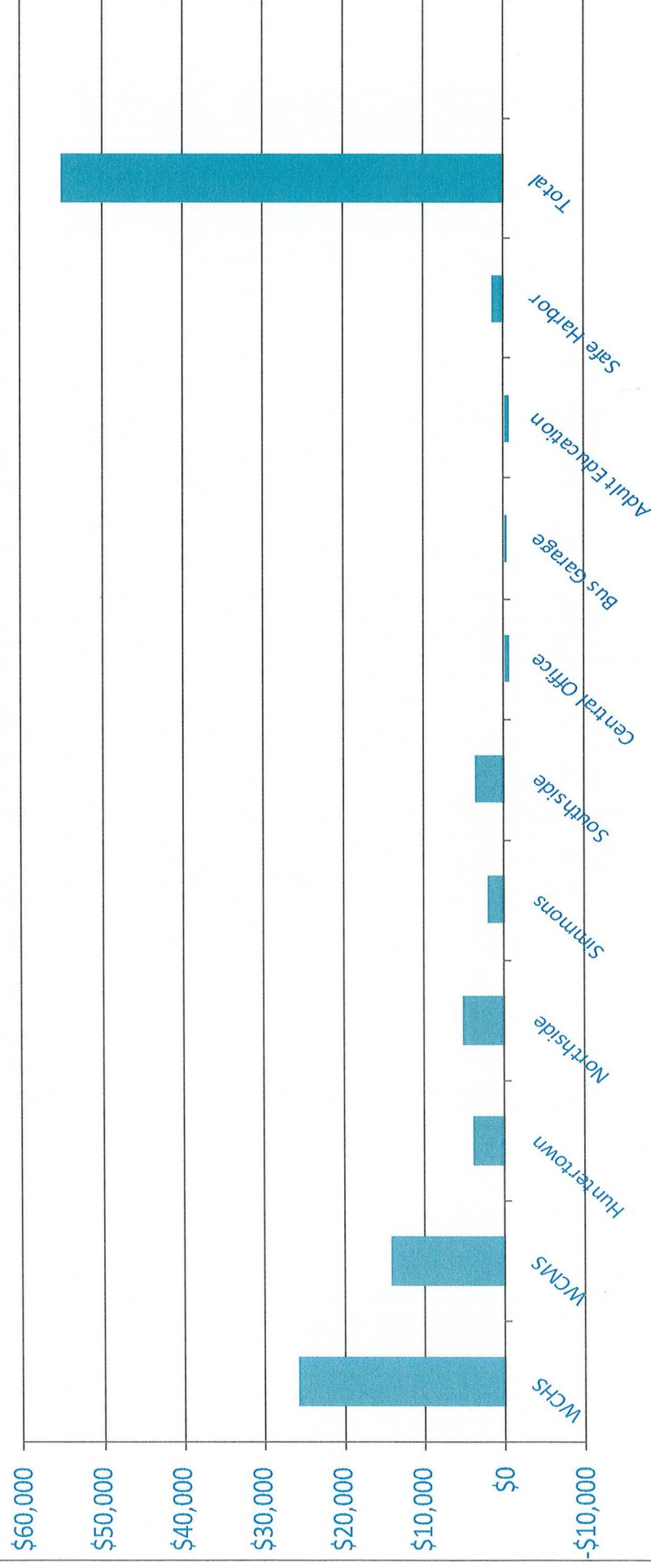


Woodford County Schools Energy Management Report February 2022

School Facility	February					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	134,322	139,455	-3.8%	8	\$621	968,070	1,187,356	-22.7%	10	\$25,830
WCMS	99,360	131,520	-32.4%	10	\$3,892	741,360	862,320	-16.3%	8	\$14,248
Huntertown	56,200	49,600	11.7%	5	-\$799	326,400	359,000	-10.0%	6	\$3,840
Northside	50,720	54,560	-7.6%	9	\$465	292,160	335,200	-14.7%	7	\$5,070
Simmons	51,720	49,920	3.5%	7	-\$218	372,240	390,720	-5.0%	4	\$2,177
Southside	75,504	59,659	21.0%	3	-\$1,918	317,636	348,799	-9.8%	5	\$3,671
Central Office	21,960	20,880	4.9%	6	-\$131	123,480	117,360	5.0%	2	-\$721
Bus Garage	8,227	7,033	14.5%	4	-\$144	52,677	52,562	0.2%	3	-\$14
Adult Education	3,542	2,184	38.3%	1	-\$164	27,025	22,149	18.0%	1	-\$574
Safe Harbor	12,680	9,940	21.6%	2	-\$332	53,603	65,427	-22.1%	9	\$1,393
Total	514,235	524,751	-2.0%		\$1,273	3,274,651	3,740,893	-14.2%		\$54,920

Electrical Energy Cost Comparison to Last Year

July 2021 - February 2022 \$ Cost Change



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