

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIVC **DATE:** June 3, 2022

TOPIC/TITLE: Energy Management Report

PRESENTER: Shane Smith

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:

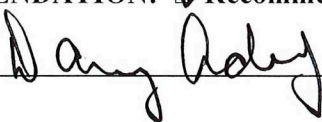
SUMMARY OF MAJOR ELEMENTS:

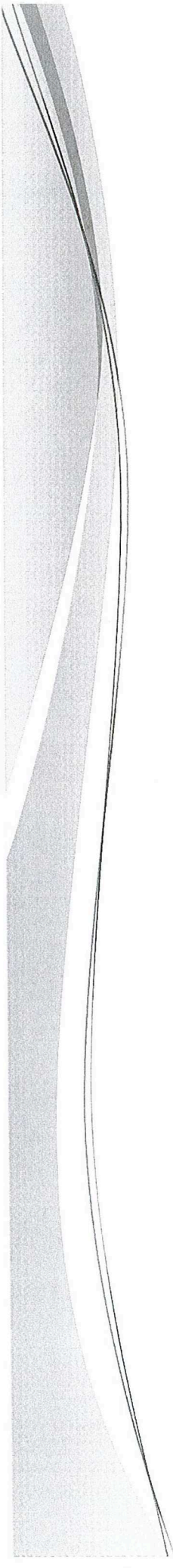
Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

May 2022

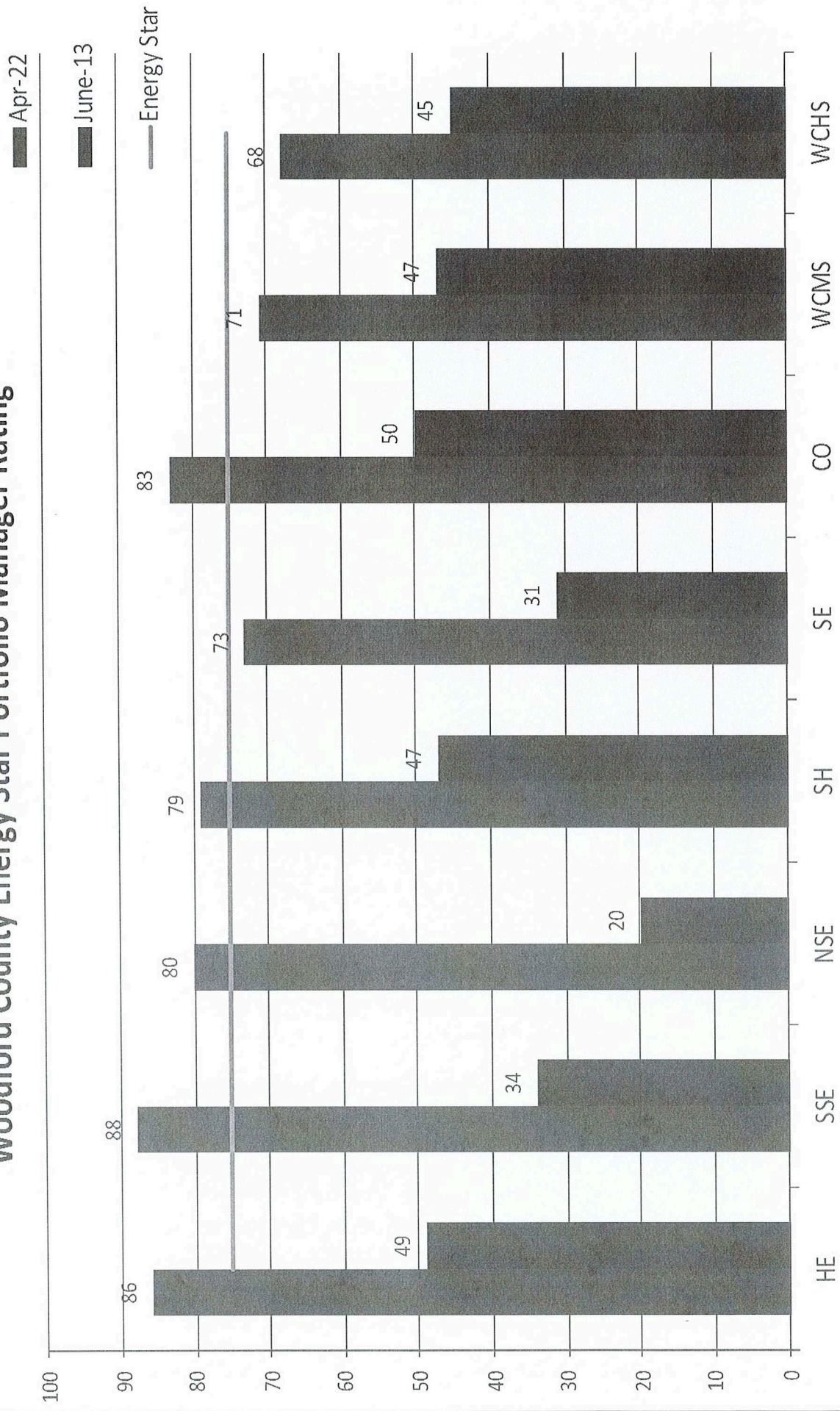
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$256,772	\$256,772
Rate Change Savings Current Year		\$35,991	\$35,991
Consumption Savings Prior Years		\$2,727,186	\$2,727,186
Consumption Savings Current Year		\$423,551	\$423,551
Energy Projects Prior Years	\$54,879		\$54,879
Energy Projects Current Year	\$0		\$0
Total	\$54,879	\$3,443,500	\$3,498,379

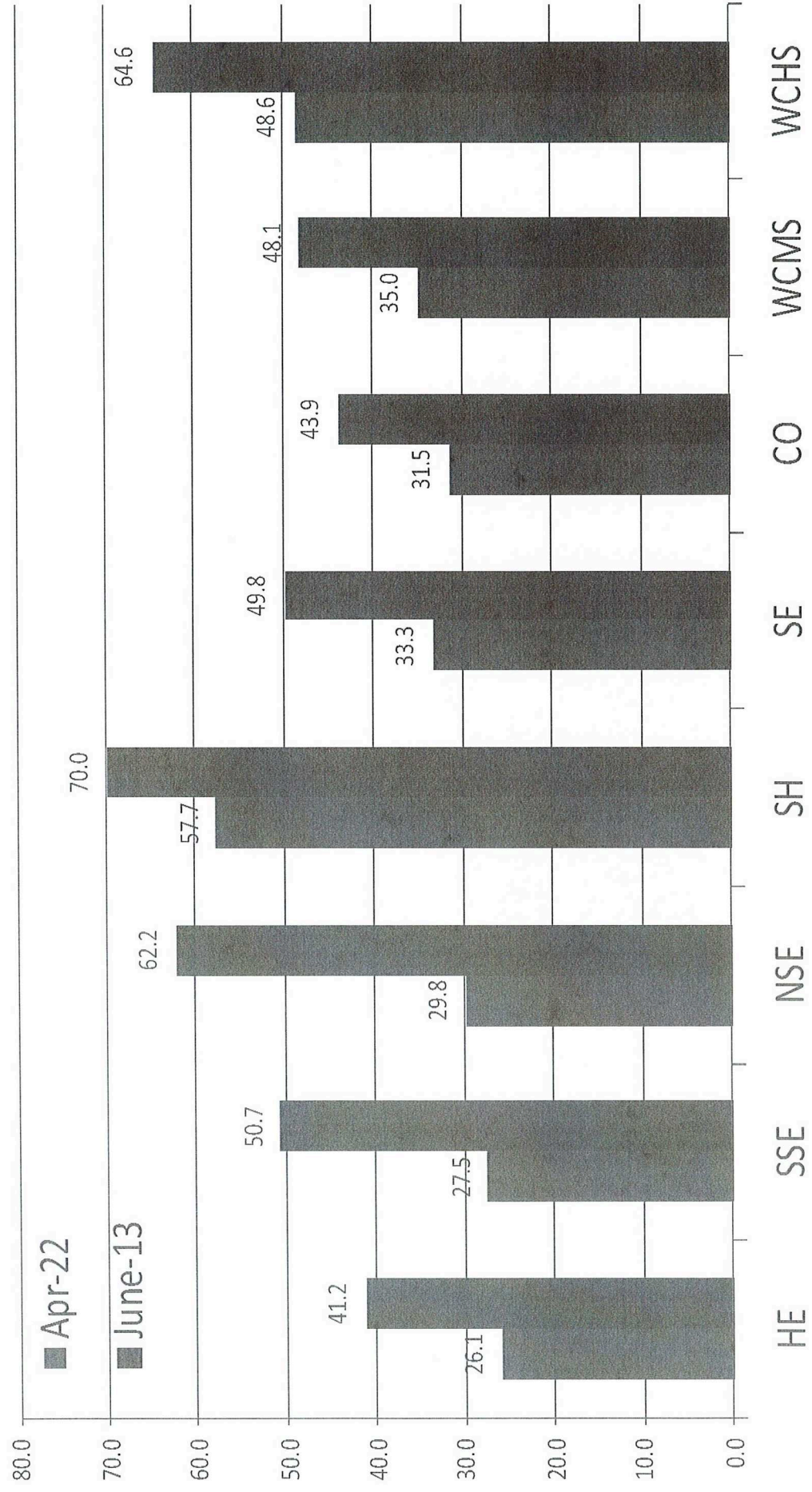
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Apr-22	Rating (1-100) June-13	Energy Use kbtu/sq ft Apr-22	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	86	49	26.1	41.2	-36.7%
Southside Elementary	88	34	27.5	50.7	-45.8%
Northside Elementary	80	20	29.8	62.2	-52.1%
Safe Harbor	79	47	57.7	70.0	-17.6%
Simmons Elementary	73	31	33.3	49.8	-33.1%
Central Office	83	50	31.5	43.9	-28.2%
Woodford County Middle School	71	47	35.0	48.1	-27.2%
Woodford County High School	68	45	48.6	64.6	-24.8%
Group Total	76	41	36.7	53.8	-31.8%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

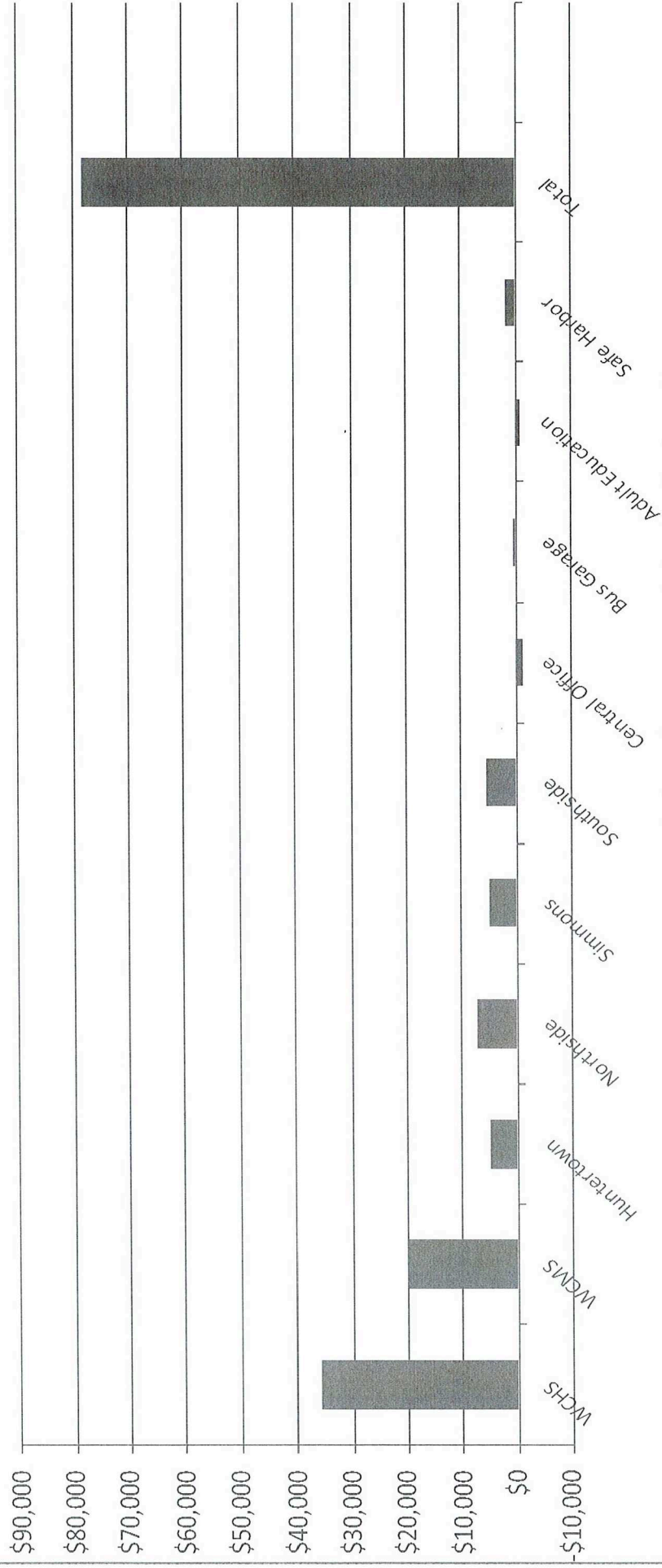
Energy Management Report

May 2022

School Facility	May					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	121,456	160,770	-32.4%	8	\$4,845	1,303,489	1,603,608	-23.0%	10	\$35,993
WCMS	62,160	115,200	-85.3%	10	\$6,537	1,000,320	1,167,360	-16.7%	8	\$20,033
Huntertown	42,800	44,600	-4.2%	3	\$222	446,000	485,800	-8.9%	5	\$4,773
Northside	31,840	34,800	-9.3%	4	\$365	392,000	451,920	-15.3%	7	\$7,186
Simmons	35,040	49,920	-42.5%	9	\$1,834	496,200	537,000	-8.2%	4	\$4,893
Southside	37,231	44,205	-18.7%	5	\$859	427,051	473,223	-10.8%	6	\$5,537
Central Office	12,780	11,340	11.3%	2	-\$177	173,880	161,280	7.2%	2	-\$1,511
Bus Garage	4,646	5,965	-28.4%	7	\$163	68,938	73,781	-7.0%	3	\$581
Adult Education	2,824	2,496	11.6%	1	-\$40	35,844	29,610	17.4%	1	-\$748
Safe Harbor	3,937	4,967	-26.2%	6	\$127	75,381	90,306	-19.8%	9	\$1,790
Total	354,714	474,263	-33.7%		\$14,733	4,419,103	5,073,888	-14.8%		\$78,528

Electrical Energy Cost Comparison to Last Year

July 2021 - May 2022 \$ Cost Change



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