

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** May 2, 2022

TOPIC/TITLE: Energy Management Report

PRESENTER: Chief Financial Officer

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:

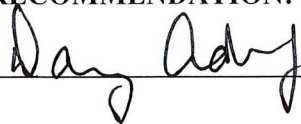
SUMMARY OF MAJOR ELEMENTS:

Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

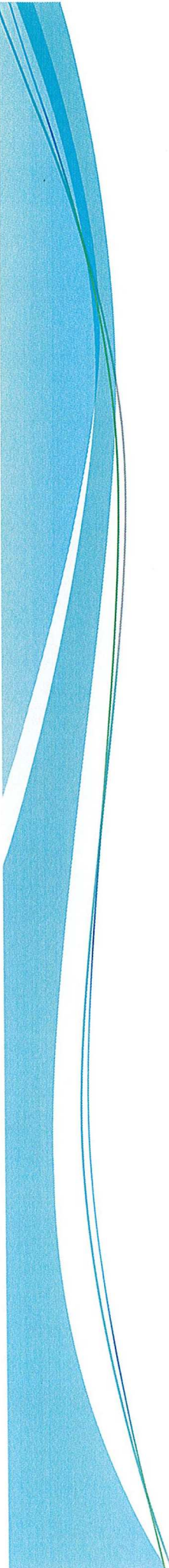
SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

April 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		\$32,719	\$32,719
Consumption Savings Prior Years		\$2,727,186	\$2,727,186
Consumption Savings Current Year		\$390,714	\$390,714
Energy Projects Prior Years	\$54,879		\$54,879
Energy Projects Current Year	\$0		\$0
Total	\$54,879	\$3,407,391	\$3,462,270

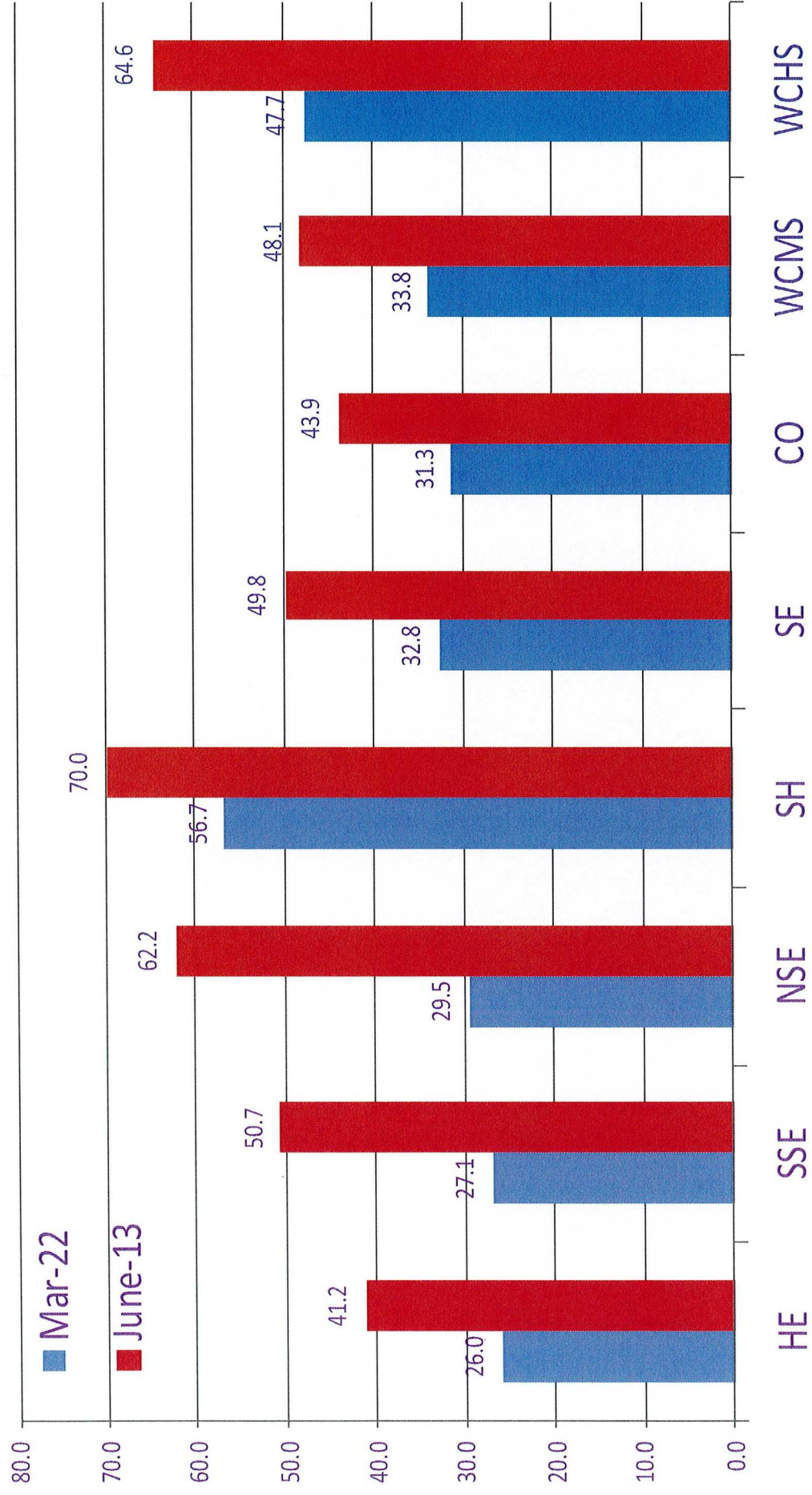
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Mar-22	Rating (1-100) June-13	Energy Use kbtu/sq ft Mar-22	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	86	49	26.0	41.2	-36.9%
Southside Elementary	89	34	27.1	50.7	-46.5%
Northside Elementary	80	20	29.5	62.2	-52.6%
Safe Harbor	80	47	56.7	70.0	-19.0%
Simmons Elementary	74	31	32.8	49.8	-34.1%
Central Office	83	50	31.3	43.9	-28.7%
Woodford County Middle School	74	47	33.8	48.1	-29.7%
Woodford County High School	69	45	47.7	64.6	-26.2%
Group Total	77	41	35.9	53.8	-33.3%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

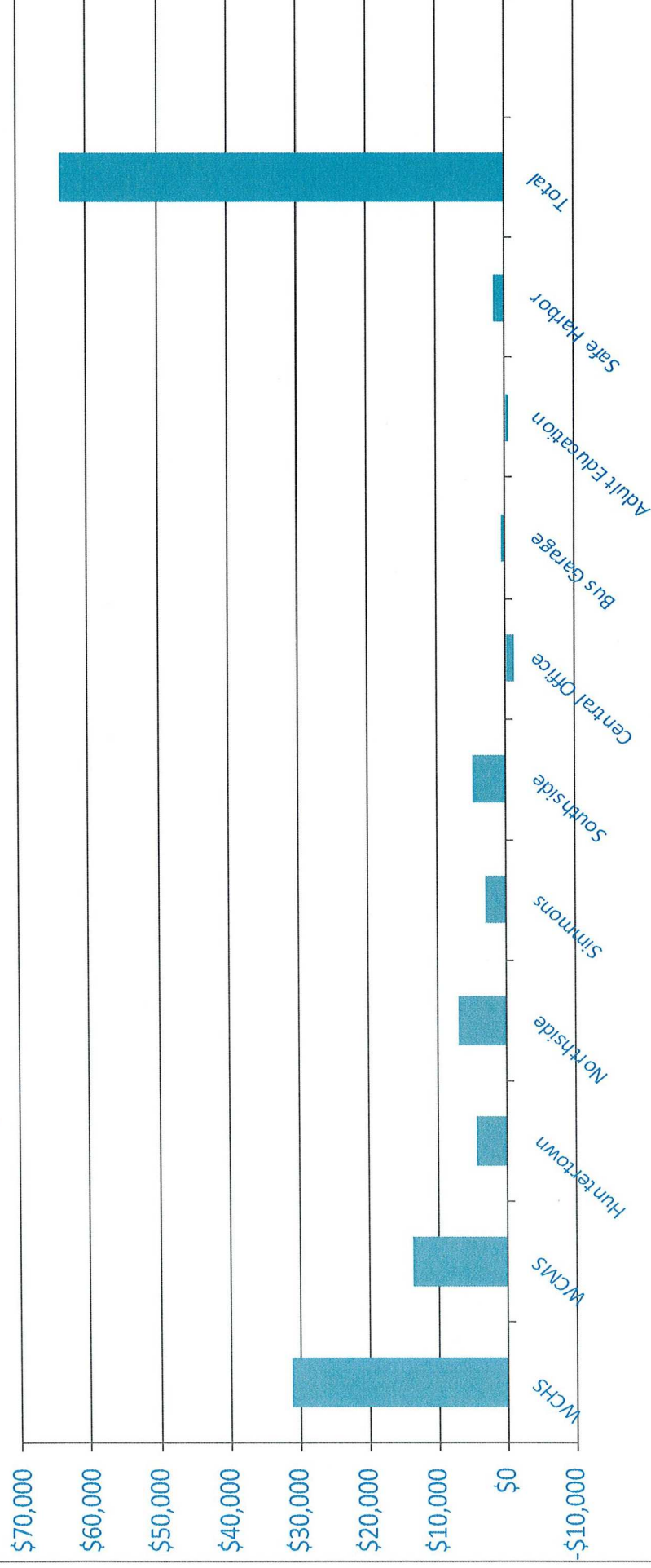
Energy Management Report

April 2022

School Facility	April					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	98,362	124,227	-26.3%	9	\$3,308	1,182,033	1,442,838	-22.1%	10	\$31,189
WCMS	101,760	90,000	11.6%	2	-\$1,504	938,160	1,052,160	-12.2%	7	\$13,633
Huntertown	40,800	40,000	2.0%	3	-\$102	403,200	441,200	-9.4%	5	\$4,544
Northside	32,960	36,080	-9.5%	6	\$399	360,160	417,120	-15.8%	8	\$6,812
Simmons	39,000	48,720	-24.9%	8	\$1,243	461,160	487,080	-5.6%	4	\$3,100
Southside	31,982	36,257	-13.4%	7	\$547	389,820	429,018	-10.1%	6	\$4,688
Central Office	13,860	14,400	-3.9%	5	\$69	161,100	149,940	6.9%	2	-\$1,335
Bus Garage	5,876	5,956	-1.4%	4	\$10	64,292	67,816	-5.5%	3	\$421
Adult Education	2,922	2,438	16.6%	1	-\$62	33,020	27,114	17.9%	1	-\$706
Safe Harbor	5,505	9,626	-74.9%	10	\$527	71,444	85,339	-19.4%	9	\$1,662
Total	373,027	407,704	-9.3%		\$4,435	4,064,389	4,599,625	-13.2%		\$64,008

Electrical Energy Cost Comparison to Last Year

July 2021 - April 2022 \$ Cost Change



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