

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** October 13, 2021

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:

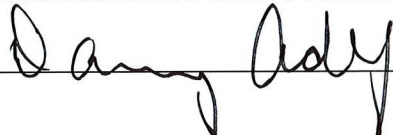
SUMMARY OF MAJOR ELEMENTS:

Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

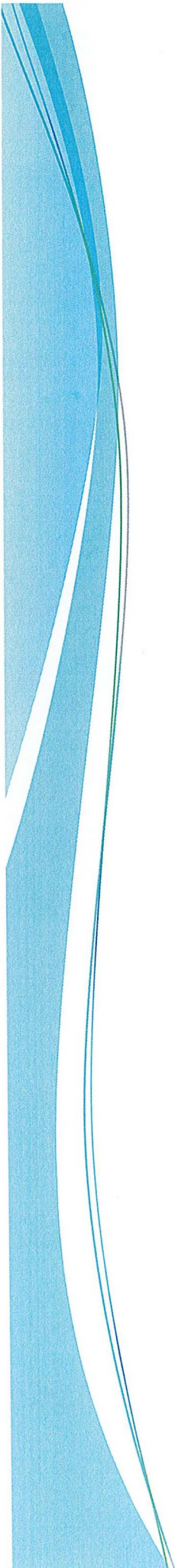
SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

September 2021



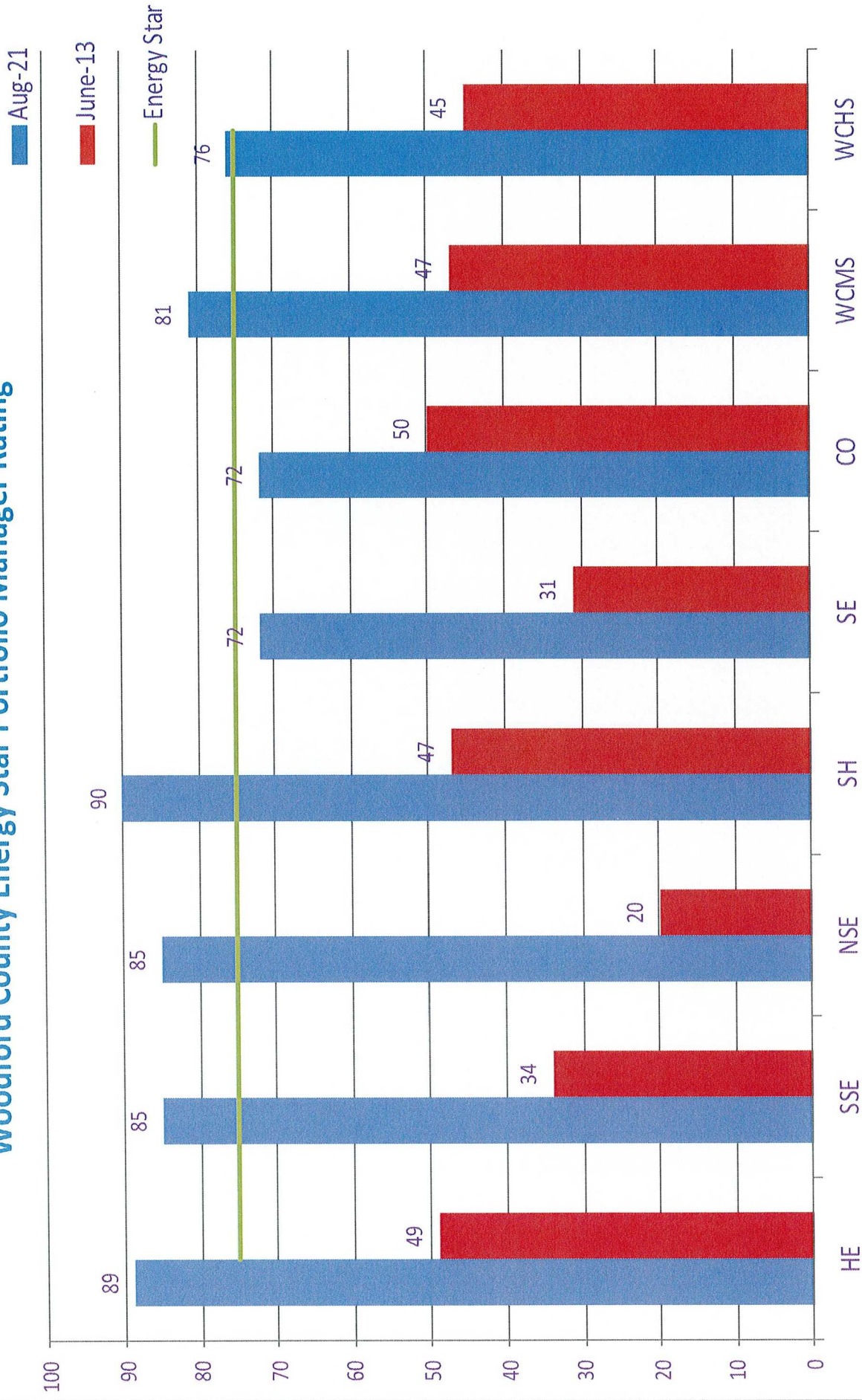
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$256,772	\$256,772
Rate Change Savings Current Year		\$9,816	\$9,816
Consumption Savings Prior Years		\$2,727,186	\$2,727,186
Consumption Savings Current Year		\$97,291	\$97,291
Energy Projects Prior Years	\$54,879		\$54,879
Energy Projects Current Year	\$0		\$0
Total	\$54,879	\$3,091,065	\$3,145,944

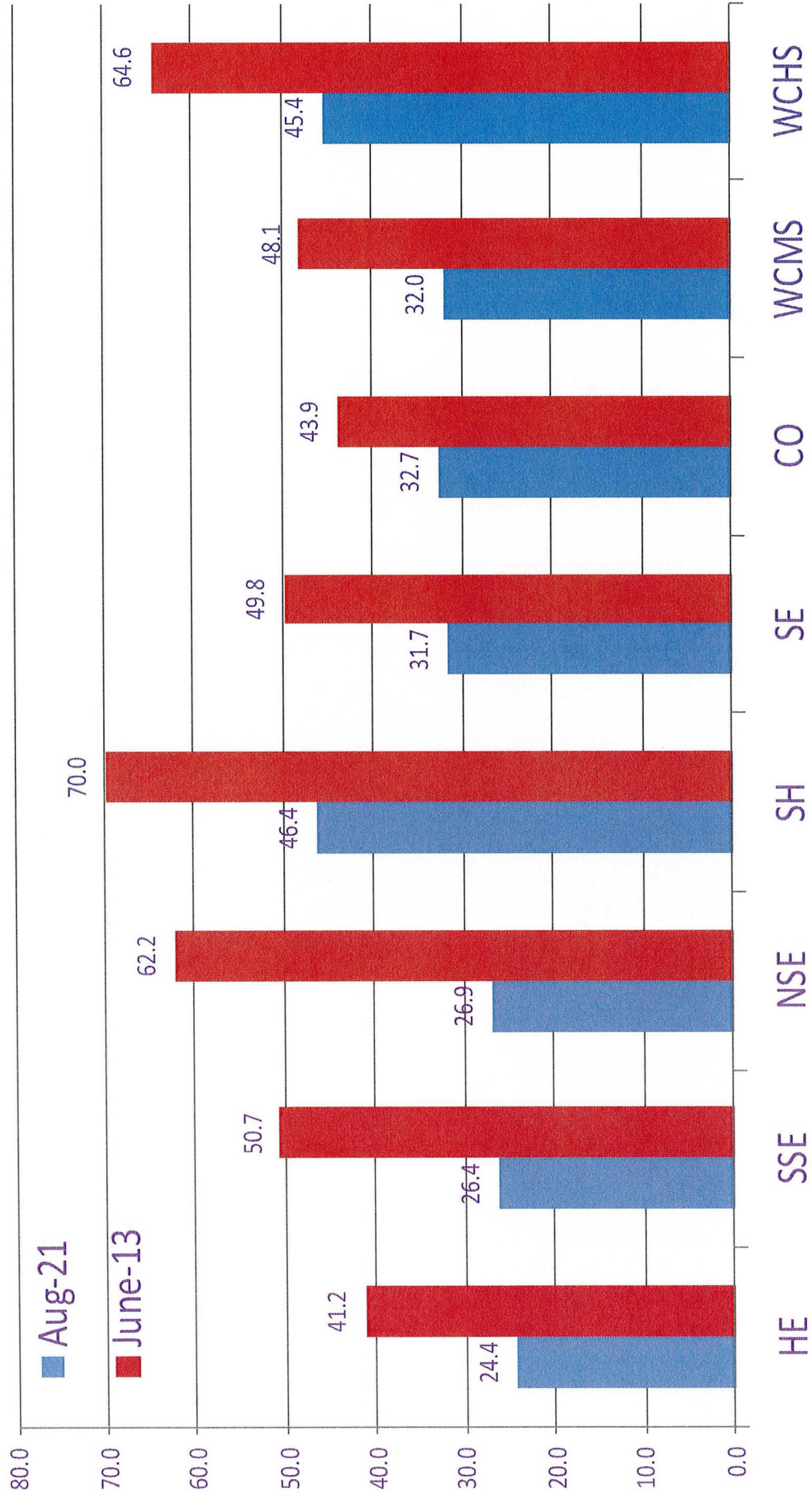
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Aug-21	Rating (1-100) June-13	Energy Use kbtu/sq ft Aug-21	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	89	49	24.4	41.2	-40.8%
Southside Elementary	85	34	26.4	50.7	-47.9%
Northside Elementary	85	20	26.9	62.2	-56.8%
Safe Harbor	90	47	46.4	70.0	-33.7%
Simmons Elementary	72	31	31.7	49.8	-36.3%
Central Office	72	50	32.7	43.9	-25.5%
Woodford County Middle School	81	47	32.0	48.1	-33.5%
Woodford County High School	76	45	45.4	64.6	-29.7%
Group Total	80	41	34.1	53.8	-36.6%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

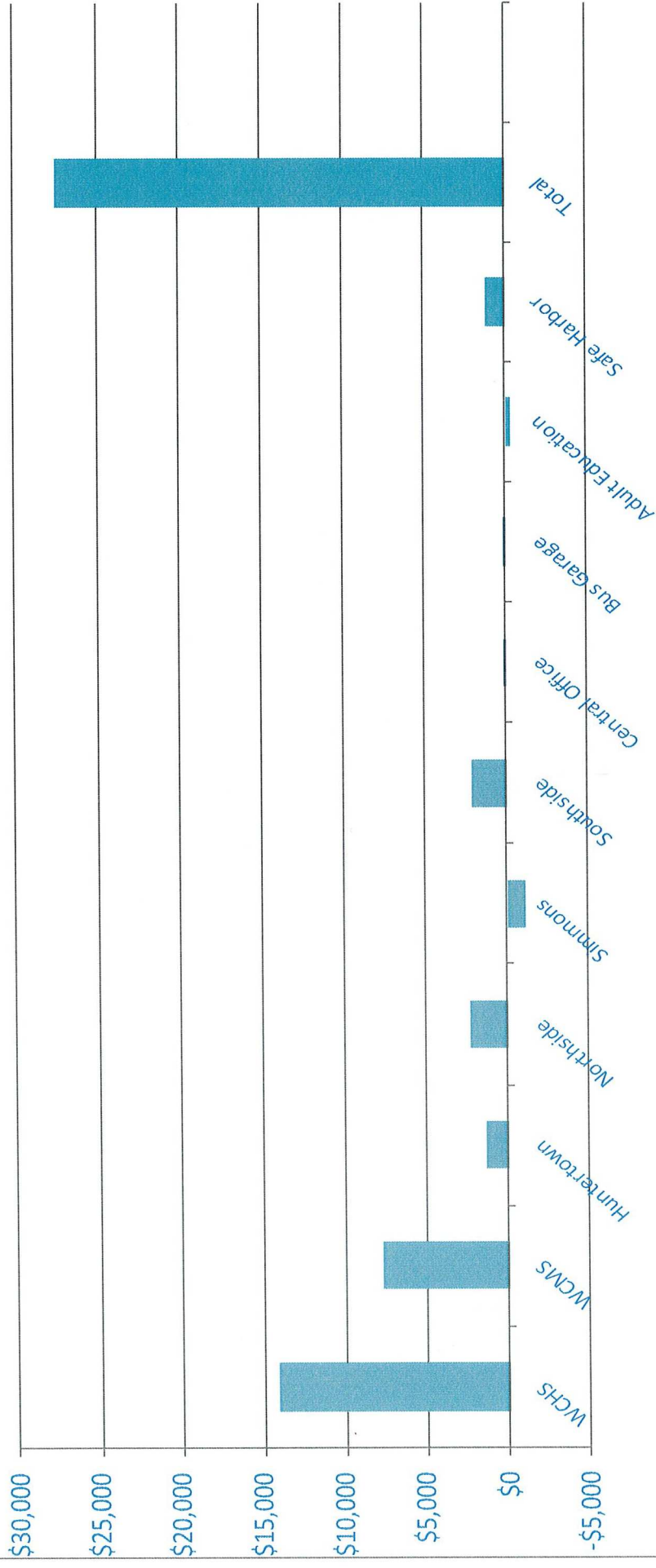
Energy Management Report

September 2021

School Facility	September					2021 - 2022 YTD Results				
	2020 Actual Kwh	2021 Actual Kwh	% Reduction	Position	\$ Cost Change	2020-21 Actual Kwh	2021-22 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	128,562	197,942	-54.0%	8	\$7,459	391,776	517,704	-32.1%	9	\$14,107
WCMS	92,160	145,440	-57.8%	9	\$5,728	262,800	331,920	-26.3%	8	\$7,743
Huntertown	47,600	54,600	-14.7%	5	\$753	115,400	127,600	-10.6%	5	\$1,367
Northside	27,920	39,200	-40.4%	7	\$1,213	84,240	104,160	-23.6%	7	\$2,231
Simmons	58,200	41,520	28.7%	1	-\$1,793	141,600	130,920	7.5%	2	-\$1,196
Southside	36,802	44,209	-20.1%	6	\$796	93,014	112,343	-20.8%	6	\$2,165
Central Office	12,600	14,220	-12.9%	4	\$174	38,340	38,520	-0.5%	3	\$20
Bus Garage	6,921	7,558	-9.2%	3	\$68	21,251	21,857	-2.9%	4	\$68
Adult Education	3,633	2,680	26.2%	2	-\$102	11,291	8,698	23.0%	1	-\$290
Safe Harbor	2,755	10,474	-280.2%	10	\$830	13,818	24,981	-80.8%	10	\$1,251
Total	417,153	557,843	-33.7%		\$15,124	1,173,530	1,418,703	-20.9%		\$27,465

Electrical Energy Cost Comparison to Last Year

July 2021 - September 2021 \$ Cost Change



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