

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** September 14, 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

August 2021



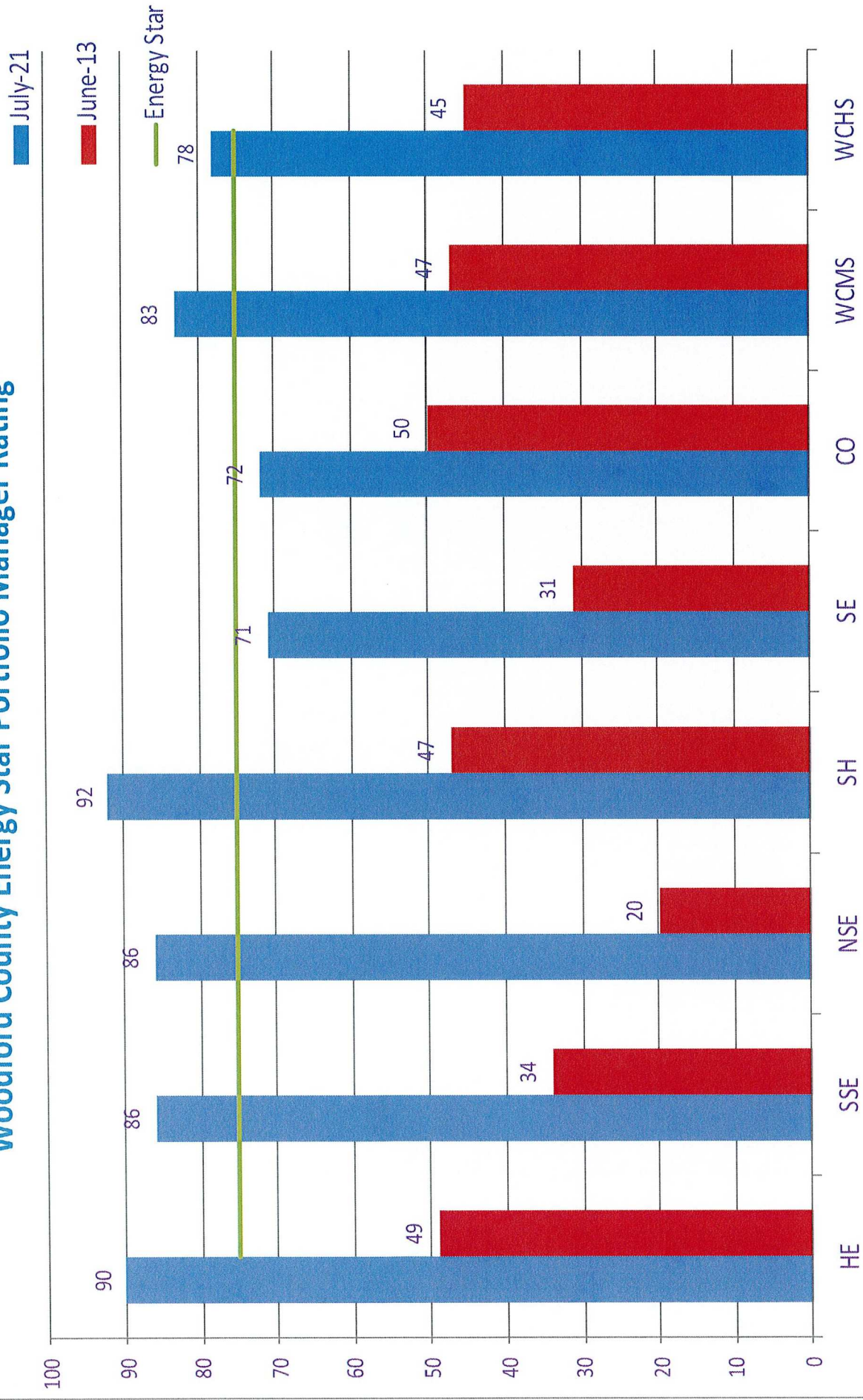
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$256,772	\$256,772
Rate Change Savings Current Year		\$6,544	\$6,544
Consumption Savings Prior Years		\$2,727,186	\$2,727,186
Consumption Savings Current Year		\$63,808	\$63,808
Energy Projects Prior Years	\$54,879		\$54,879
Energy Projects Current Year	\$0		\$0
Total	\$54,879	\$3,054,310	\$3,109,189

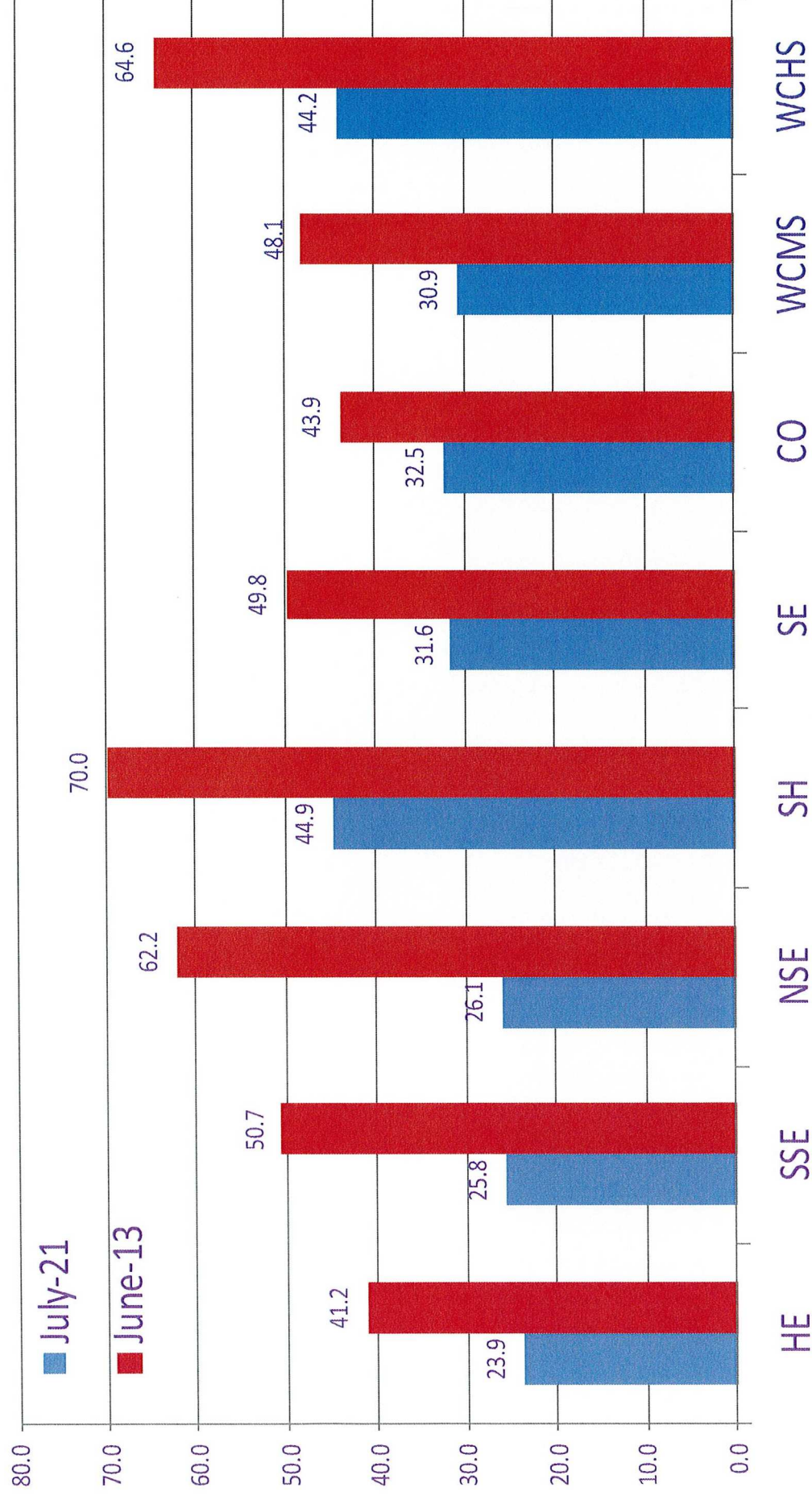
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) July-21	Rating (1-100) June-13	Energy Use kbtu/sq ft July-21	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	90	49	23.9	41.2	-42.0%
Southside Elementary	86	34	25.8	50.7	-49.1%
Northside Elementary	86	20	26.1	62.2	-58.0%
Safe Harbor	92	47	44.9	70.0	-35.9%
Simmons Elementary	71	31	31.6	49.8	-36.5%
Central Office	72	50	32.5	43.9	-26.0%
Woodford County Middle School	83	47	30.9	48.1	-35.8%
Woodford County High School	78	45	44.2	64.6	-31.6%
Group Total	82	41	33.2	53.8	-38.3%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

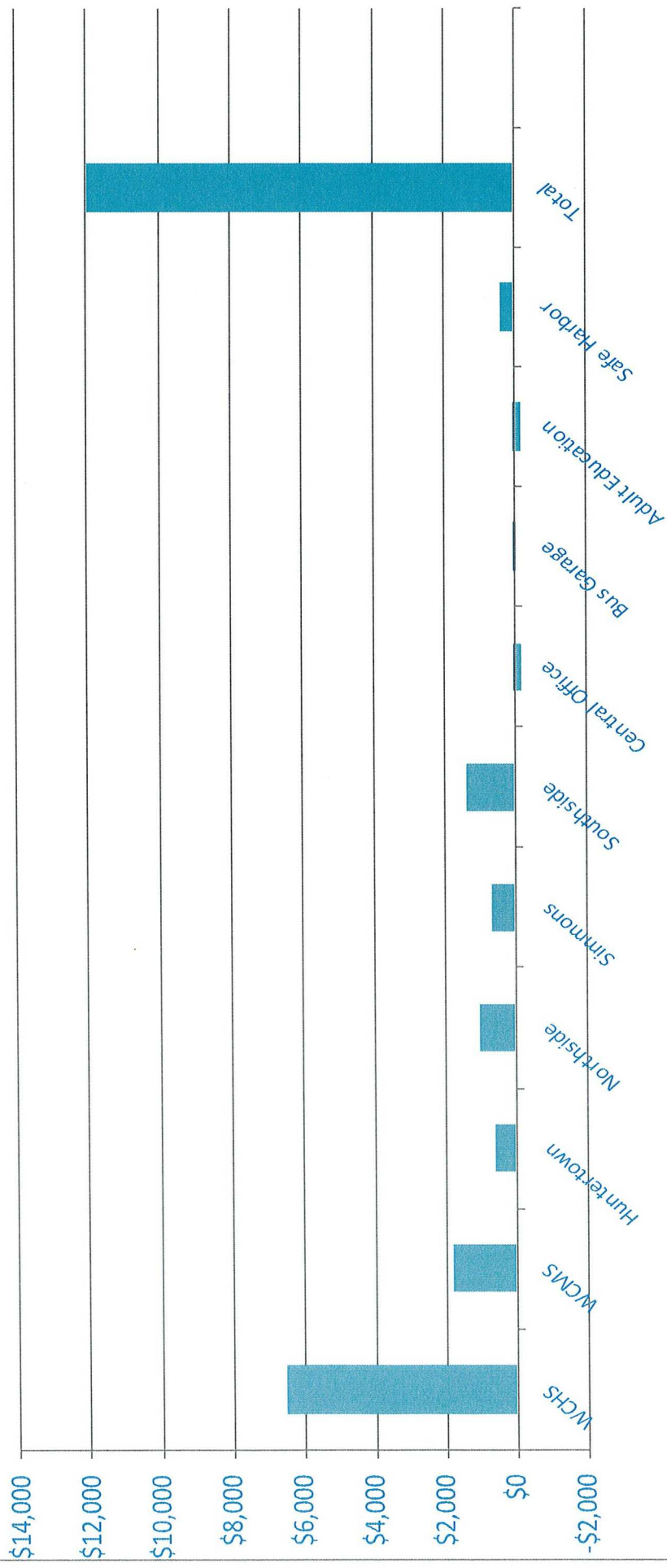
Energy Management Report

August 2021

School Facility	August					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	135,512	192,224	-41.9%	10	\$6,588	263,214	319,762	-21.5%	9	\$6,500
WCMS	87,600	95,520	-9.0%	5	\$920	170,640	186,480	-9.3%	6	\$1,821
Huntertown	29,800	40,600	-36.2%	8	\$1,255	67,800	73,000	-7.7%	5	\$598
Northside	30,480	37,120	-21.8%	6	\$771	56,320	64,960	-15.3%	7	\$993
Simmons	43,320	53,040	-22.4%	7	\$1,129	83,400	89,400	-7.2%	4	\$690
Southside	27,599	39,048	-41.5%	9	\$1,330	56,212	68,134	-21.2%	8	\$1,370
Central Office	13,500	12,060	10.7%	1	-\$167	25,740	24,300	5.6%	2	-\$166
Bus Garage	7,534	7,854	-4.2%	4	\$37	14,330	14,299	0.2%	3	-\$4
Adult Education	3,760	3,600	4.3%	2	-\$19	7,658	6,018	21.4%	1	-\$189
Safe Harbor	6,974	7,154	-2.6%	3	\$21	11,063	14,507	-31.1%	10	\$396
Total	386,079	488,220	-26.5%		\$11,865	756,377	860,860	-13.8%		\$12,010

Electrical Energy Cost Comparison to Last Year

July 2021 - August 2021 \$ Cost Change



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