

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** January 11, 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:

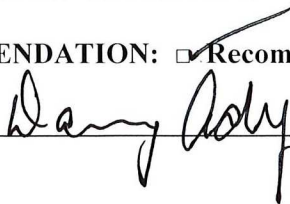
SUMMARY OF MAJOR ELEMENTS:

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

December 2021



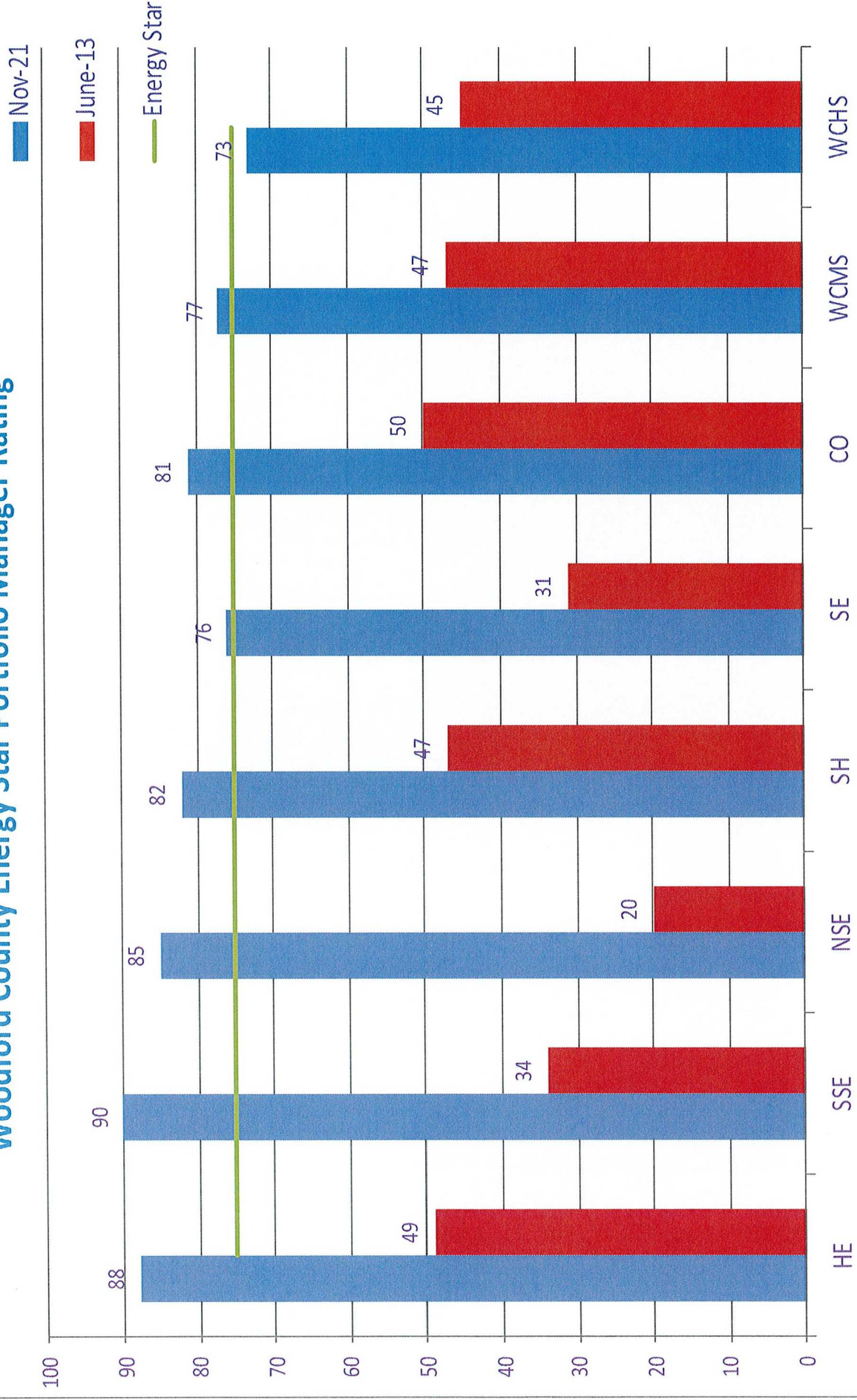
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$256,772	\$256,772
Rate Change Savings Current Year		\$19,632	\$19,632
Consumption Savings Prior Years		\$2,727,186	\$2,727,186
Consumption Savings Current Year		\$229,529	\$229,539
Energy Projects Prior Years	\$54,879		\$54,879
Energy Projects Current Year	\$0		\$0
Total	\$54,879	\$3,233,129	\$3,288.008

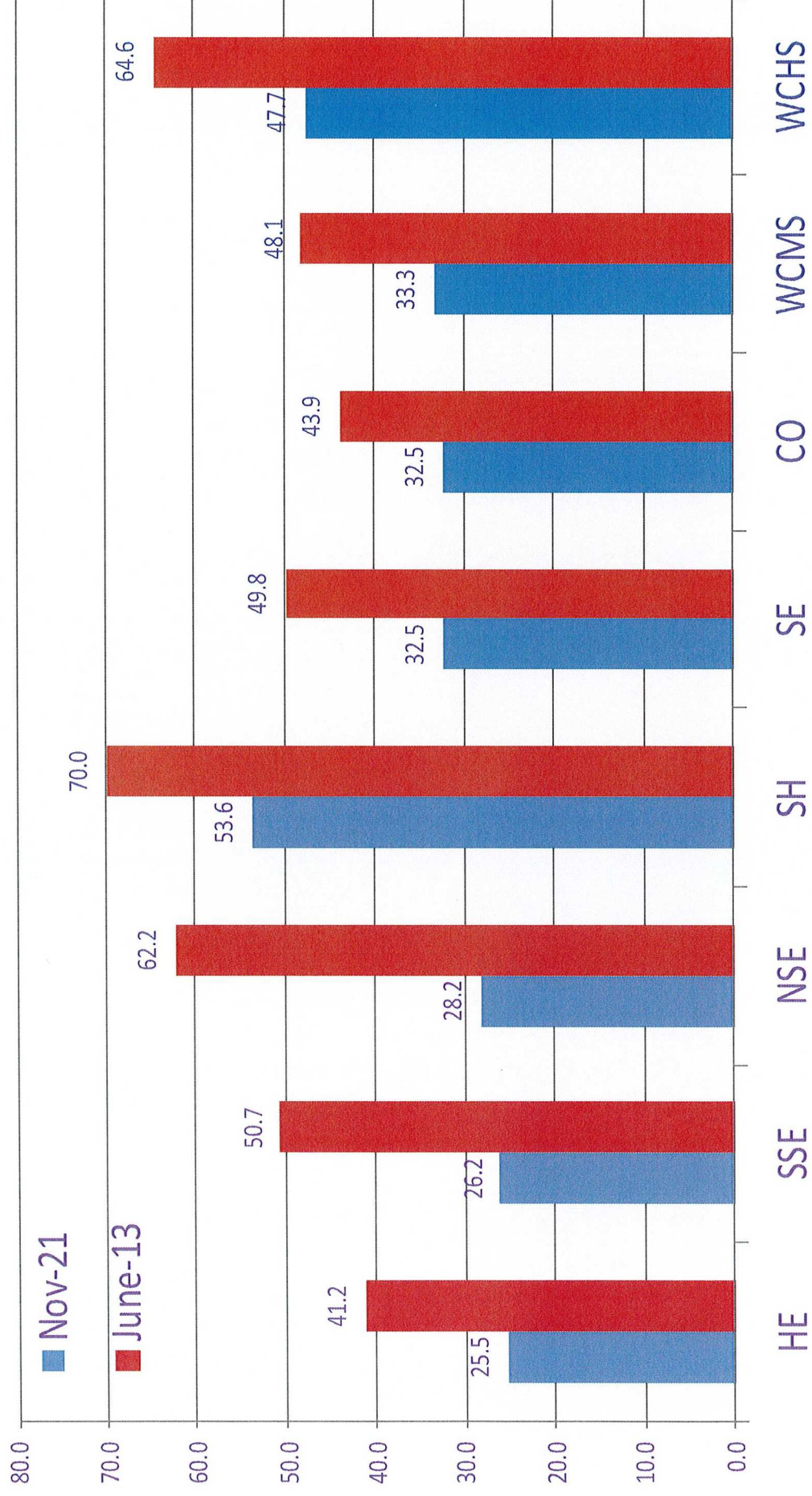
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Nov-21	Rating (1-100) June-13	Energy Use kbtu/sq ft Nov-21	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	88	49	25.5	41.2	-38.1%
Southside Elementary	90	34	26.2	50.7	-48.3%
Northside Elementary	85	20	28.2	62.2	-54.7%
Safe Harbor	82	47	53.6	70.0	-23.4%
Simmons Elementary	76	31	32.5	49.8	-34.7%
Central Office	81	50	32.5	43.9	-26.0%
Woodford County Middle School	77	47	33.3	48.1	-30.8%
Woodford County High School	73	45	47.7	64.6	-26.2%
Group Total	80	41	35.5	53.8	-34.0%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

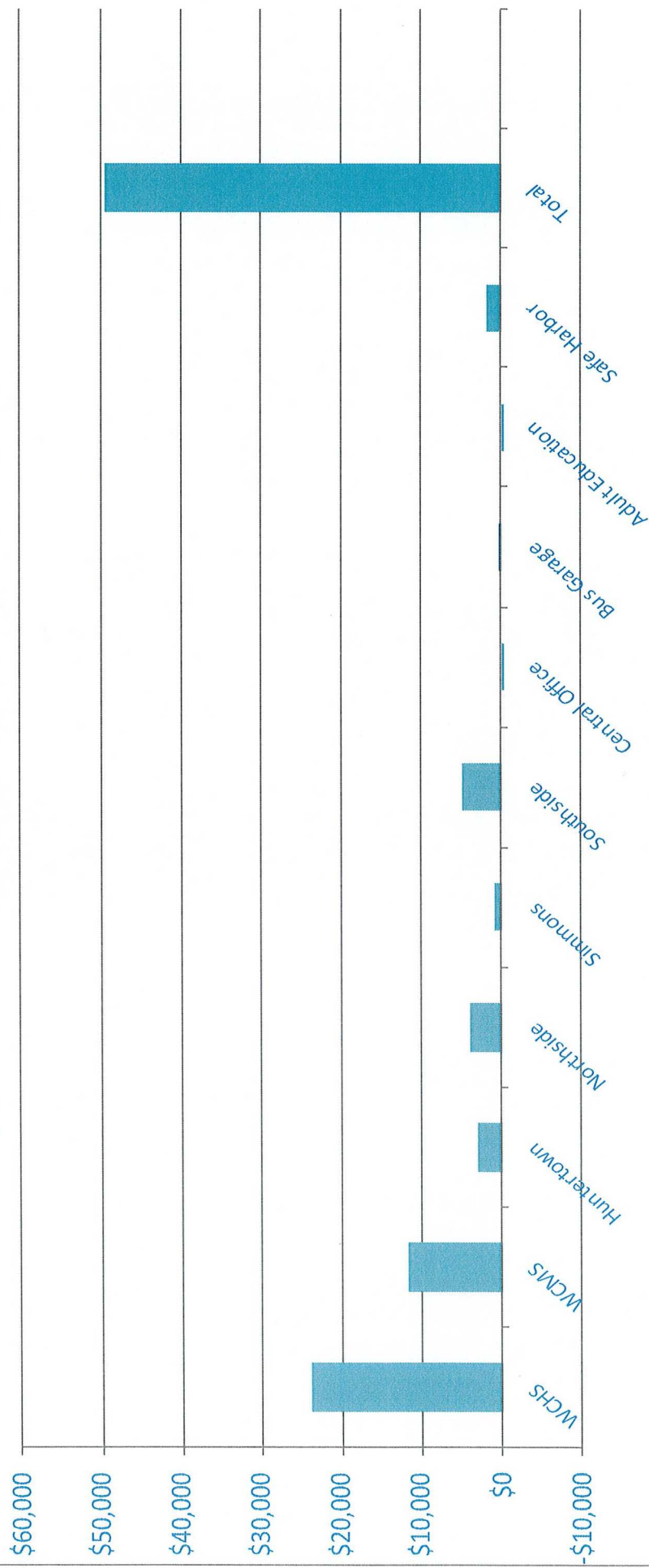
Energy Management Report

December 2021

School Facility	December					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	104,046	124,062	-19.2%	10	\$2,579	710,088	913,407	-28.6%	9	\$23,772
WCMS	98,400	102,480	-4.1%	6	\$526	552,480	654,000	-18.4%	6	\$11,870
Huntertown	42,400	37,600	11.3%	3	-\$619	226,000	252,400	-11.7%	5	\$3,087
Northside	40,960	45,600	-11.3%	8	\$598	185,440	220,400	-18.9%	7	\$4,088
Simmons	53,160	38,520	27.5%	1	-\$1,887	272,040	278,400	-2.3%	4	\$744
Southside	39,146	45,510	-16.3%	9	\$820	190,792	232,137	-21.7%	8	\$4,834
Central Office	16,920	16,740	1.1%	4	-\$23	80,640	78,480	2.7%	2	-\$253
Bus Garage	6,238	6,271	-0.5%	5	\$4	38,904	39,325	-1.1%	3	\$49
Adult Education	3,463	2,871	17.1%	2	-\$76	20,189	16,212	19.7%	1	-\$465
Safe Harbor	7,821	8,585	-9.8%	7	\$98	30,107	44,235	-46.9%	10	\$1,652
Total	412,554	428,239	-3.8%		\$2,021	2,306,680	2,728,996	-18.3%		\$49,377

Electrical Energy Cost Comparison to Last Year

July 2021 - December 2021 \$ Cost Change



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