

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C DATE: August 14, 2019

TOPIC/TITLE: Energy Management Report

PRESENTER: Amy 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

July 2019

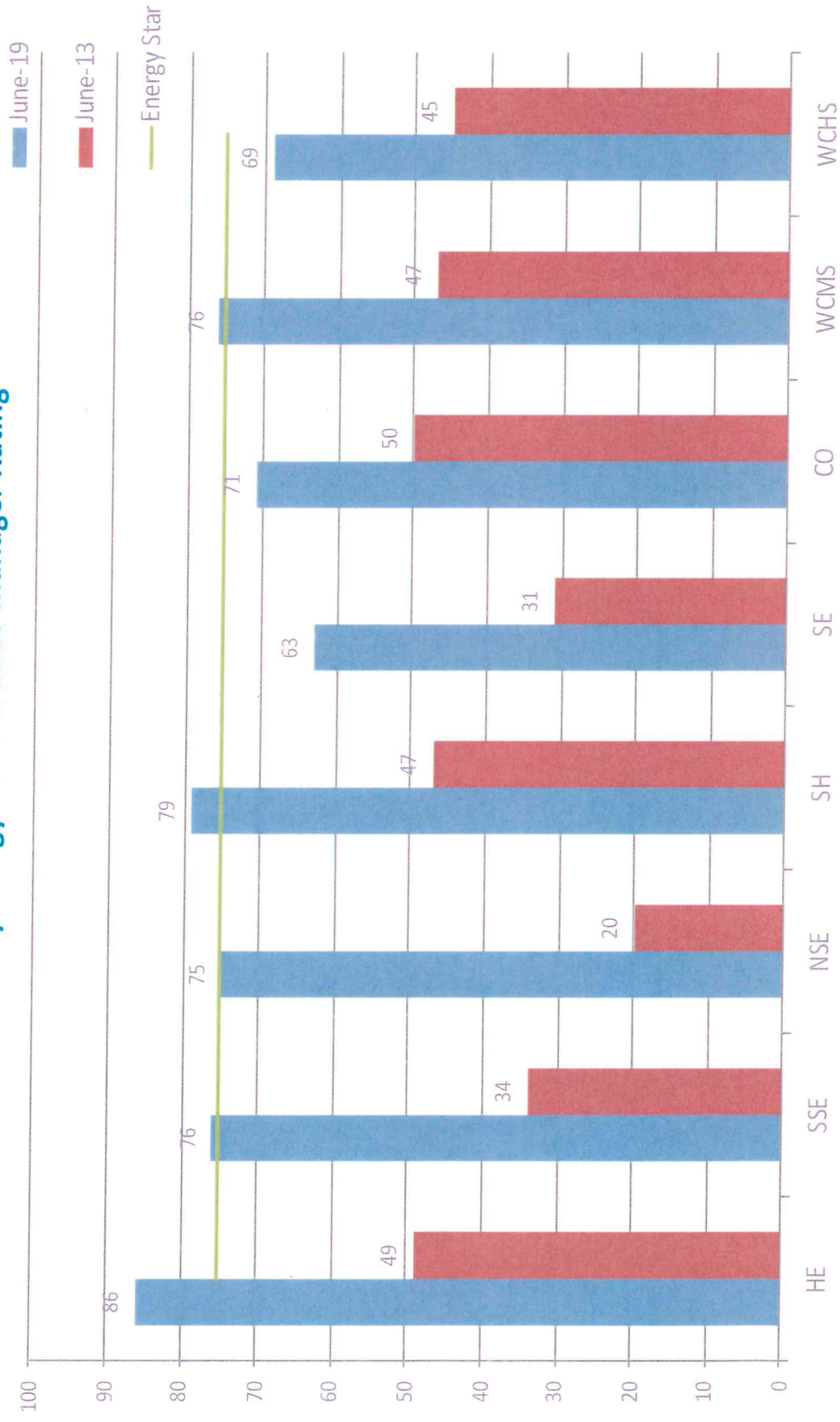
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$147,299	\$147,299
Rate Change Savings Current Year		\$1,832	\$1,832
Consumption Savings Prior Years		\$1,794,103	\$1,494,103
Consumption Savings Current Year		\$22,656	\$22,656
Energy Projects Prior Years	\$49,887		\$49,887
Energy Projects Current Year	\$1,381		\$1,381
Total	\$51,268	\$1,965,890	\$2,017,158

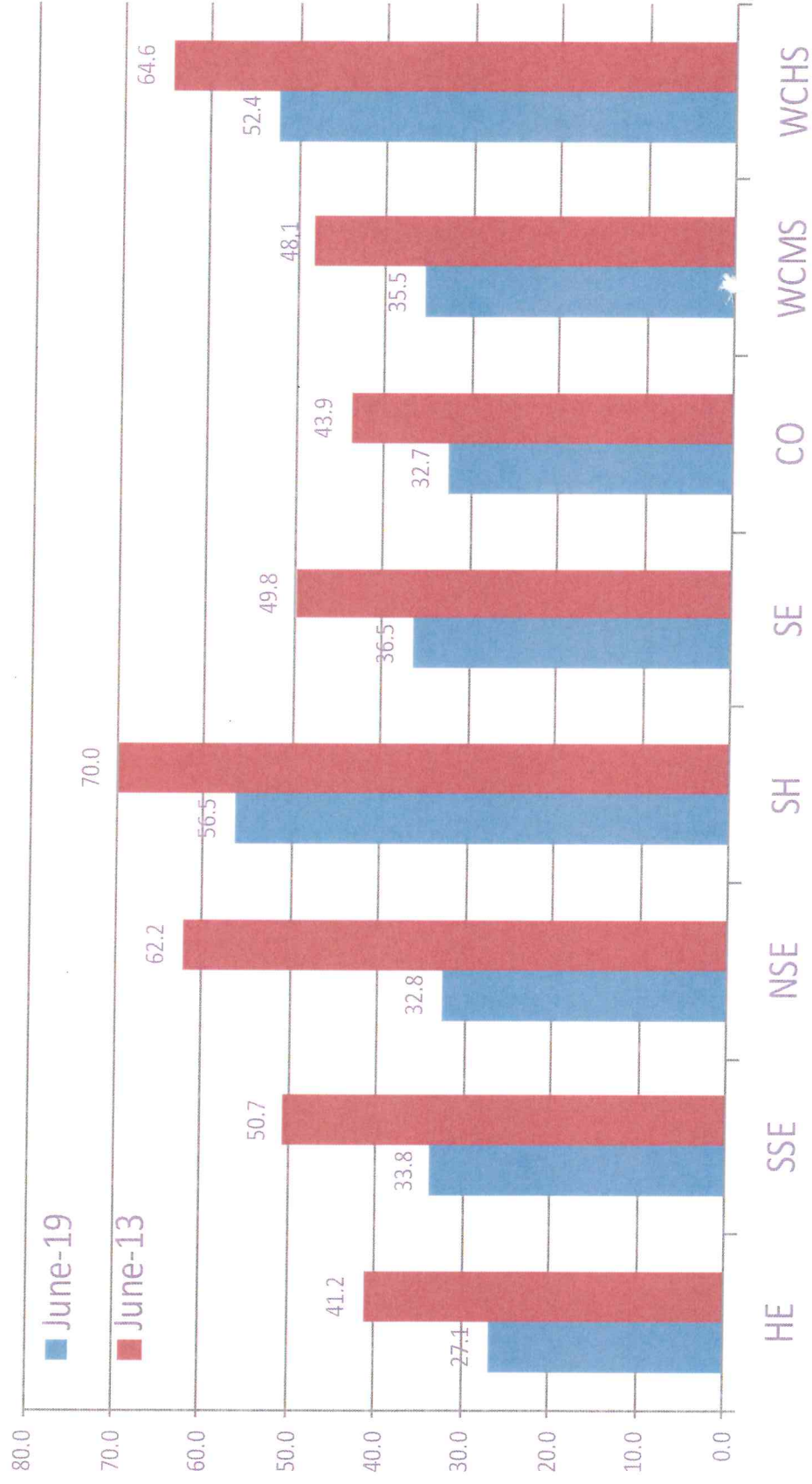
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) June-19	Rating (1-100) June-13	Energy Use kbtu/sq ft June-19	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	86	49	27.1	41.2	-34.2%
Southside Elementary	76	34	33.8	50.7	-33.3%
Northside Elementary	75	20	32.8	62.2	-47.3%
Safe Harbor	79	47	56.5	70.0	-19.3%
Simmons Elementary	63	31	36.5	49.8	-26.7%
Central Office	71	50	32.7	43.9	-25.5%
Woodford County Middle School	76	47	35.5	48.1	-26.2%
Woodford County High School	69	45	52.4	64.6	-18.9%
Group Total	74	41	39.3	53.2	-26.1%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





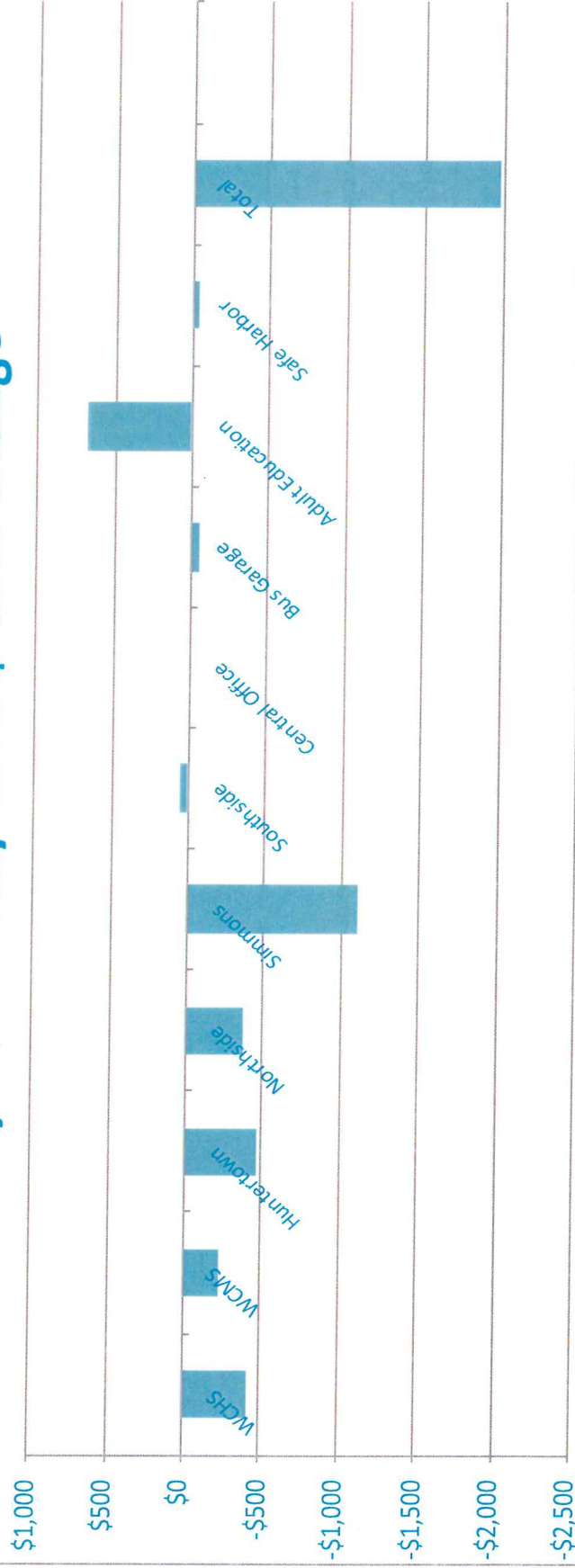
Woodford County Schools Energy Management Report

July 2019

School Facility	July					2018 - 2019 YTD Results				
	2018 Actual Kwh	2019 Actual Kwh	% Reduction	Position	\$ Cost Change	2018-19 Actual Kwh	2019-20 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	147,732	143,873	2.6%	6	-\$427	147,732	143,873	2.6%	6	-\$427
WCMS	104,880	102,720	2.1%	7	-\$239	104,880	102,720	2.1%	7	-\$239
Huntertown	40,600	36,400	10.3%	2	-\$464	40,600	36,400	10.3%	2	-\$464
Northside	42,000	38,560	8.2%	3	-\$380	42,000	38,560	8.2%	3	-\$380
Simmons	51,120	41,040	19.7%	1	-\$1,114	51,120	41,040	19.7%	1	-\$1,114
Southside	43,207	43,635	-1.0%	9	\$47	43,207	43,635	-1.0%	9	\$47
Central Office	14,040	14,040		8	\$0	14,040	14,040		8	\$0
Bus Garage	8,617	8,163	5.3%	4	-\$50	8,617	8,163	5.3%	4	-\$50
Adult Education	1	6,135		8	\$678	1	6,135		8	\$678
Safe Harbor	7,315	6,946	5.0%	5	-\$41	7,315	6,946	5.0%	5	-\$41
Total	459,512	441,512	3.9%		-\$1,990	459,512	441,512	3.9%		-\$1,990

Electrical Energy Cost Comparison to Last Year

July 2019 - July 2019 \$ Cost Change



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