

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C DATE: June 2, 2020

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
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- ☐ 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:

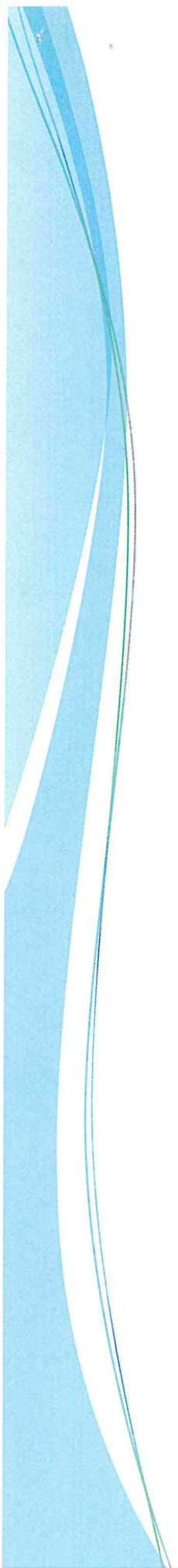
SUMMARY OF MAJOR ELEMENTS:

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

May 2020

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		\$46,845	\$46,845
Consumption Savings Prior Years		\$1,794,103	\$1,794,103
Consumption Savings Current Year		\$409,012	\$409,012
Energy Projects Prior Years	\$51,268		\$51,268
Energy Projects Current Year	\$3,611		\$3,611
Total	\$54,879	\$2,397,259	\$2,452,138

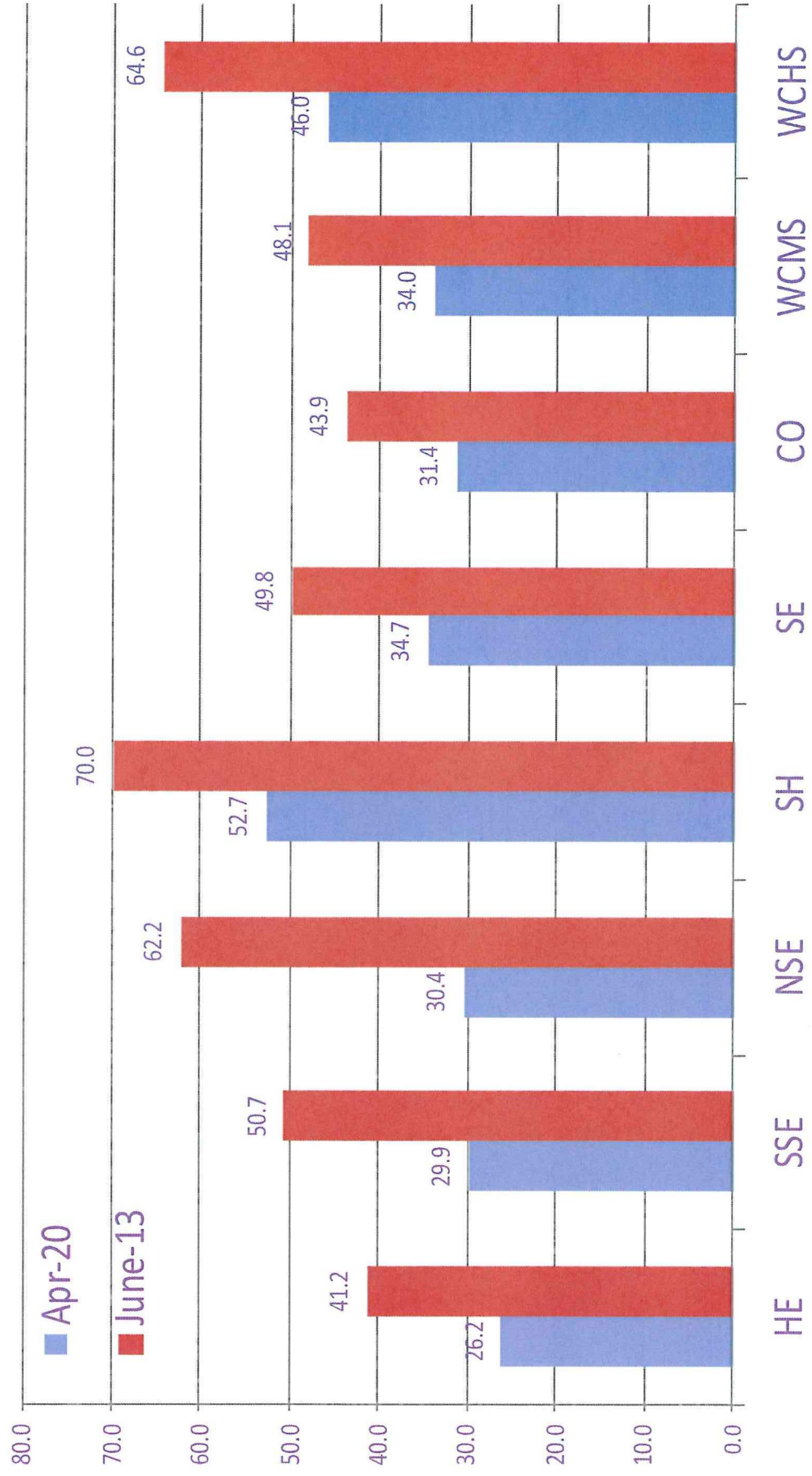
Woodford County Energy Star Portfolio Manager Ratings

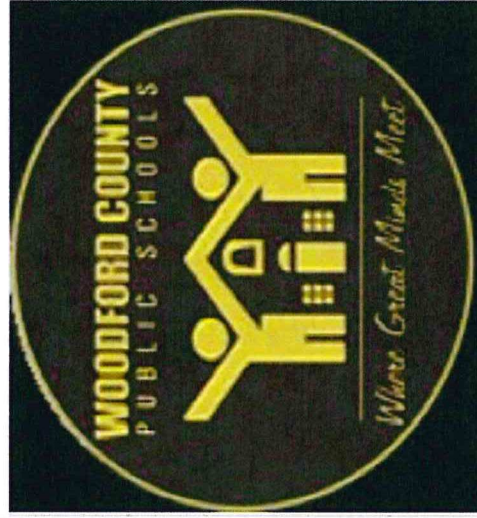
Facility Name	Rating (1-100) Apr-20	Rating (1-100) June-13	Energy Use kbtu/sq ft Apr-20	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	89	49	26.2	41.2	-36.4%
Southside Elementary	83	34	29.9	50.7	-41.0%
Northside Elementary	81	20	30.4	62.2	-51.1%
Safe Harbor	80	47	52.7	70.0	-24.7%
Simmons Elementary	68	31	34.7	49.8	-30.3%
Central Office	73	50	31.4	43.9	-28.5%
Woodford County Middle School	80	47	34.0	48.1	-29.3%
Woodford County High School	77	45	46.0	64.6	-28.8%
Group Total	79	41	36.1	53.8	-32.9%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

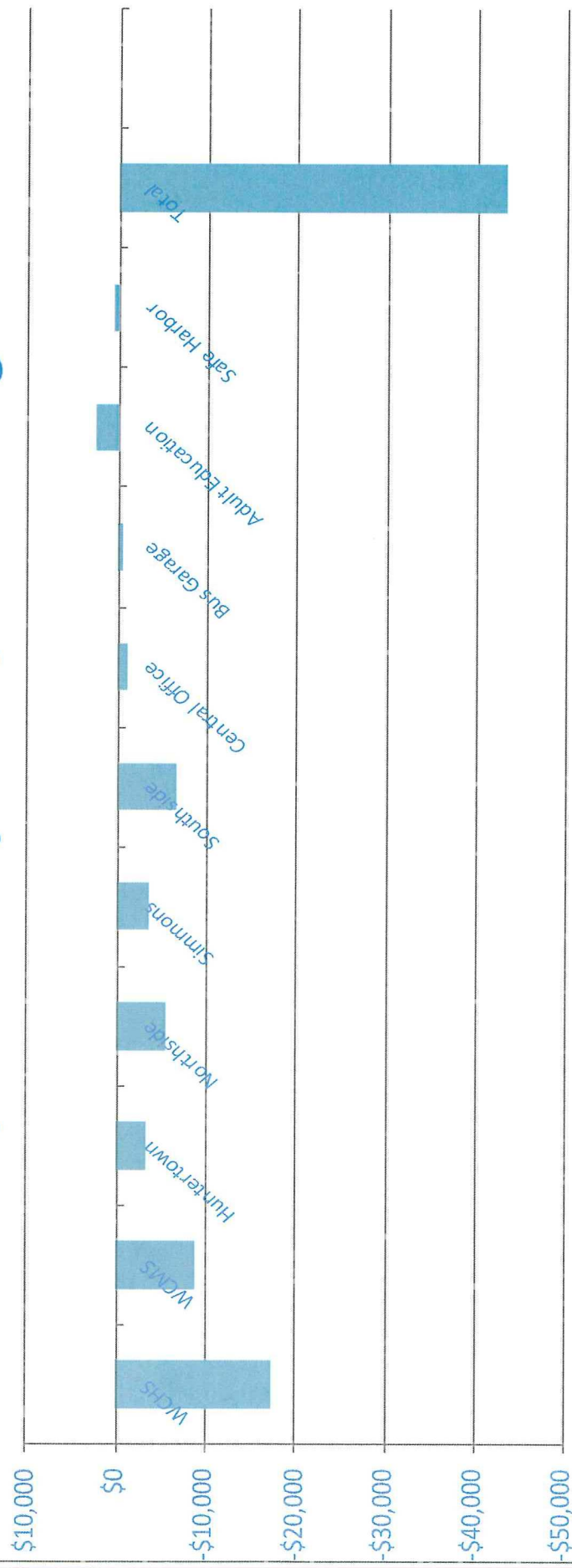
Energy Management Report

May 2020

School Facility	May					2018 - 2019 YTD Results				
	2019 Actual Kwh	2020 Actual Kwh	% Reduction	Position	\$ Cost Change	2018-19 Actual Kwh	2019-20 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	154,958	78,795	49.2%	2	-\$9,239	1,582,486	1,426,663	9.8%	3	-\$17,202
WCMS	119,760	62,880	47.5%	3	-\$6,900	1,233,120	1,154,880	6.3%	4	-\$8,637
Huntertown	46,000	32,600	29.1%	7	-\$1,626	511,600	481,600	5.9%	5	-\$3,312
Northside	37,200	25,920	30.3%	5	-\$1,368	492,160	443,120	10.0%	2	-\$5,414
Simmons	54,240	36,600	32.5%	4	-\$2,140	588,960	556,560	5.5%	6	-\$3,577
Southside	47,874	23,404	51.1%	1	-\$2,968	546,351	486,403	11.0%	1	-\$6,618
Central Office	12,780	11,700	8.5%	10	-\$131	174,420	165,960	4.9%	8	-\$934
Bus Garage	5,725	4,257	25.6%	8	-\$178	76,585	72,713	5.1%	7	-\$427
Adult Education	2,895	2,552	11.8%	9	-\$42	17,927	39,965	-122.9%	10	\$2,433
Safe Harbor	5,649	3,987	29.4%	6	-\$202	88,823	94,030	-5.9%	9	\$575
Total	487,081	282,695	42.0%		-\$24,793	5,312,432	4,921,894	7.4%		-\$43,113

Electrical Energy Cost Comparison to Last Year

July 2019 - May 2020 \$ Cost Change



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