

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C **DATE:** February 13, 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:

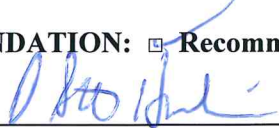
SUMMARY OF MAJOR ELEMENTS:

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

January 2019

Energy Management Avoided Costs Summary

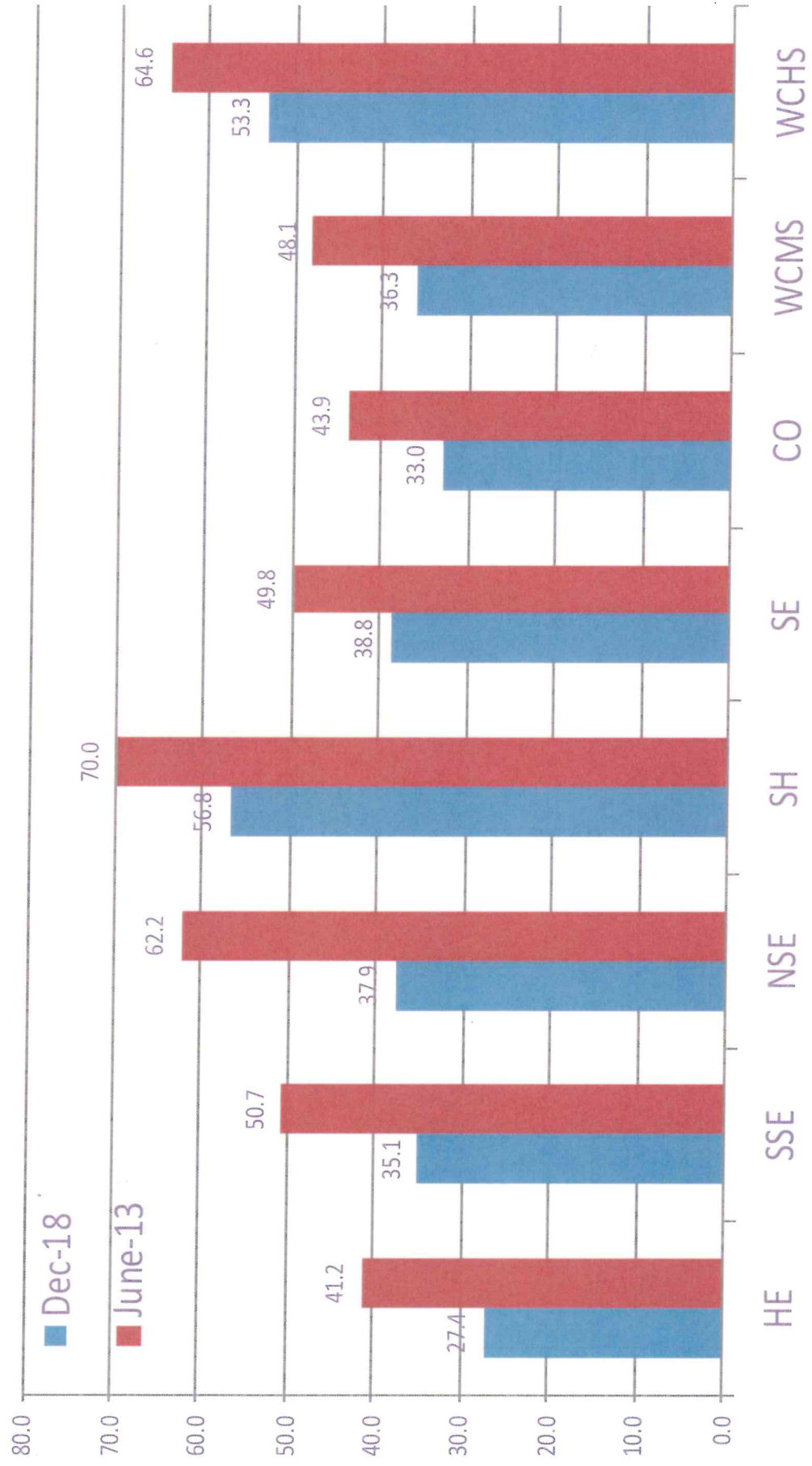
Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$121,281	\$121,281
Rate Change Savings Current Year		\$16,859	\$16,859
Consumption Savings Prior Years		\$1,474,862	\$1,474,862
Consumption Savings Current Year		\$178,723	\$178,723
Energy Projects Prior Years	\$49,887		\$49,887
Energy Projects Current Year	\$1,381		\$1,381
Total	\$51,268	\$1,791,725	\$1,842,993

Facility Name	Rating (1-100)	Rating (1-100)	Energy Use kbtu/sq ft	Energy Use kbtu/sq ft	Energy Use kbtu/sq ft	Change From
	Dec-18	June-13	Dec-18	June-13	June-13	Baseline
Huntertown Elementary	87	49	27.4	41.2	41.2	-33.5%
Southside Elementary	79	34	35.1	50.7	50.7	-30.8%
Northside Elementary	68	20	37.9	62.2	62.2	-39.1%
Safe Harbor	81	47	56.8	70.0	70.0	-18.9%
Simmons Elementary	61	31	38.8	49.8	49.8	-22.1%
Central Office	63	39	33.0	43.9	43.9	-24.8%
Woodford County Middle School	77	47	36.3	48.1	48.1	-24.5%
Woodford County High School	70	45	53.3	64.6	64.6	-17.5%
Group Total	74	41	40.7	53.2	53.2	-23.5%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)



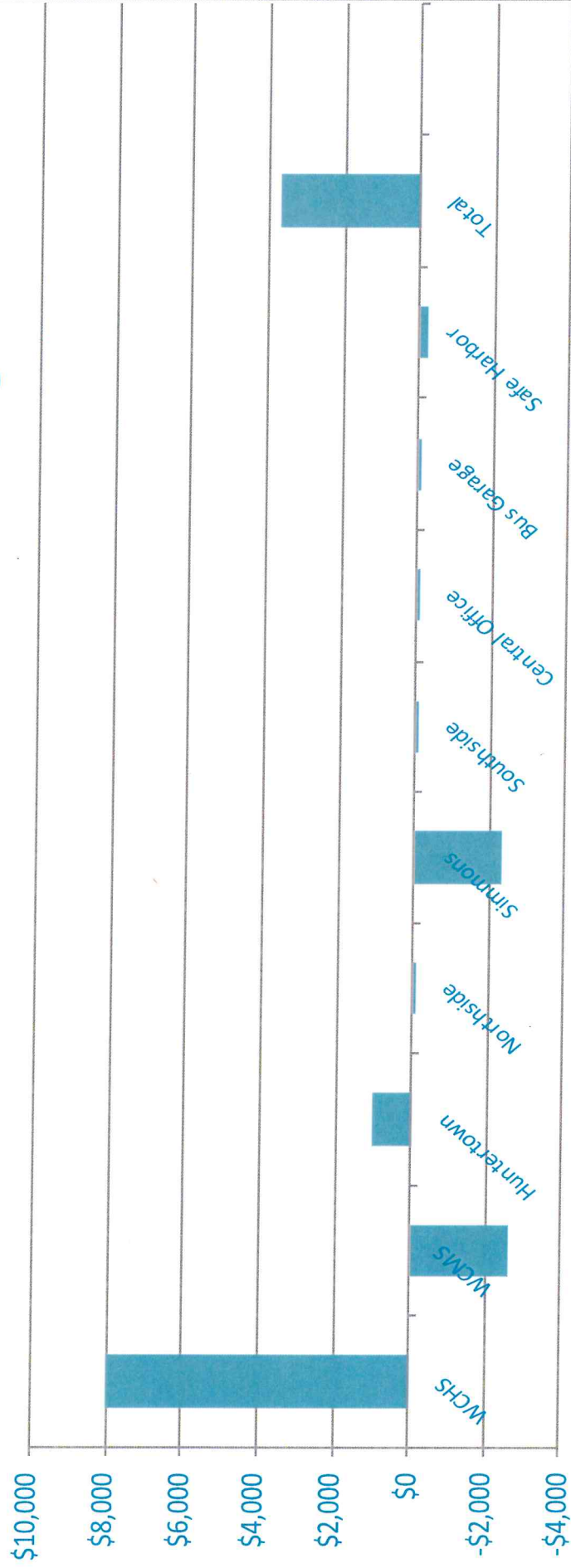


Woodford County Schools Energy Management Report January 2019

School Facility	January						2018 - 2019 YTD Results				
	2018 Actual Kwh	2019 Actual Kwh	% Reduction	Position	\$ Cost Change	2017-18 Actual Kwh	2018-19 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change	
WCHS	145,510	114,187	21.5%	6	-\$3,169	981,848	1,065,457	-8.5%	9	\$8,050	
WCMS	133,920	107,520	19.7%	8	-\$2,671	828,320	801,360	3.3%	3	-\$2,596	
Huntertown	56,200	41,400	26.3%	4	-\$1,497	314,800	325,200	-3.3%	8	\$1,001	
Northside	79,840	59,760	25.2%	5	-\$2,032	322,840	322,800	0.0%	7	-\$4	
Simmons	66,000	52,560	20.4%	7	-\$1,360	406,080	382,200	5.9%	1	-\$2,299	
Southside	73,567	49,671	32.5%	2	-\$2,418	338,291	337,035	0.4%	6	-\$121	
Central Office	27,180	19,260	29.1%	3	-\$801	103,500	102,960	0.5%	5	-\$52	
Bus Garage	11,527	9,511	17.5%	9	-\$204	53,443	52,883	1.0%	4	-\$54	
Safe Harbor	14,088	8,284	41.2%	1	-\$587	57,557	55,207	4.1%	2	-\$226	
Total	607,832	462,153	24.0%		-\$14,739	3,406,679	3,445,102	-1.1%		\$3,699	

Electrical Energy Cost Comparison to Last Year

July 2018 - January 2019 \$ Cost Change



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