

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C DATE: March 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

February 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		\$18,691	\$18,691
Consumption Savings Prior Years		\$1,474,862	\$1,474,862
Consumption Savings Current Year		\$213,247	\$213,247
Energy Projects Prior Years	\$49,887		\$49,887
Energy Projects Current Year	\$1,381		\$1,381
Total	\$51,268	\$1,828,081	\$1,879,349

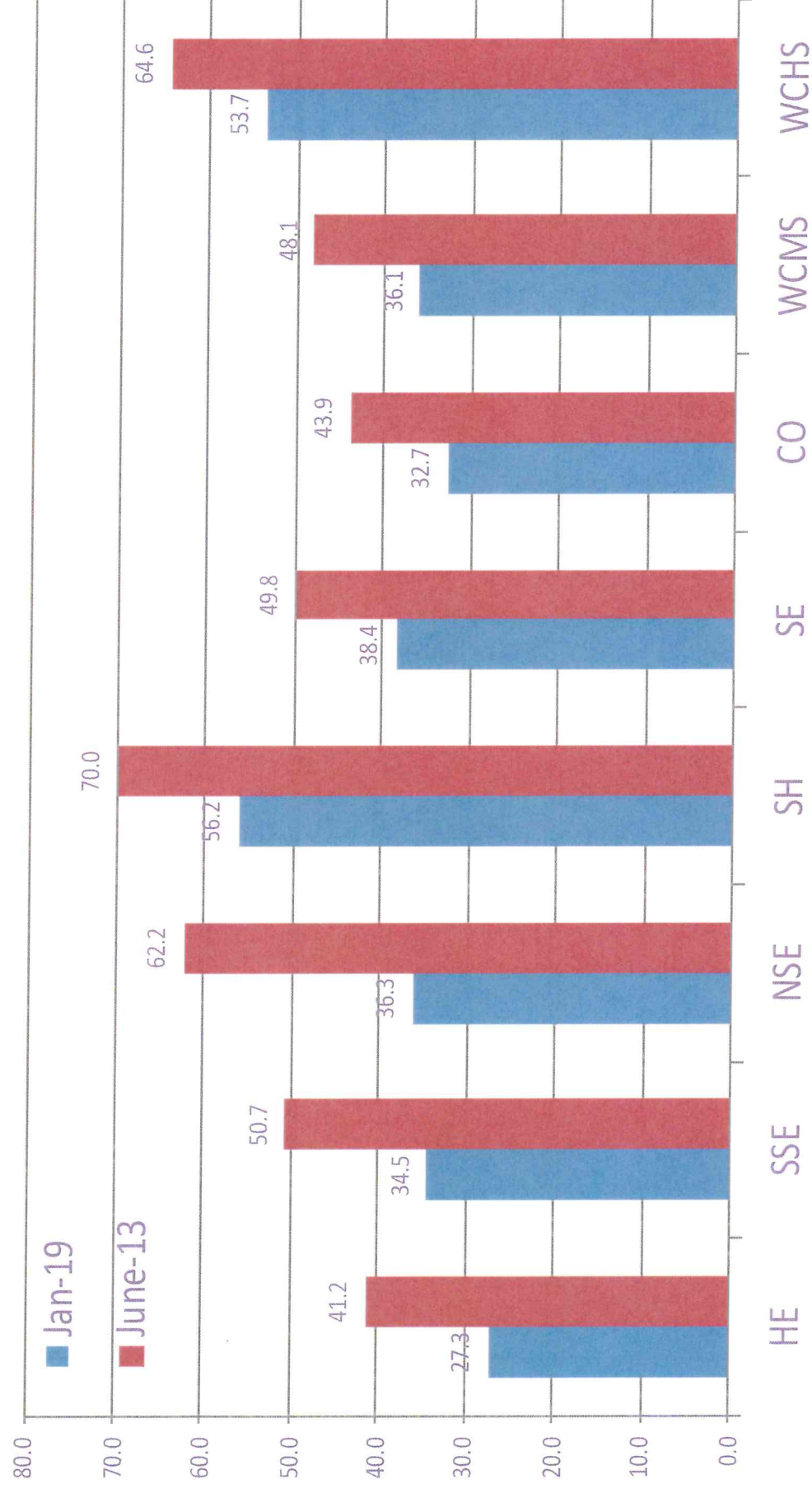
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Jan-19	Rating (1-100) June-13	Energy Use kbtu/sq ft Jan-19	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	87	49	27.3	41.2	-33.7%
Southside Elementary	78	34	34.5	50.7	-32.0%
Northside Elementary	71	20	36.3	62.2	-41.6%
Safe Harbor	81	47	56.2	70.0	-19.7%
Simmons Elementary	61	31	38.4	49.8	-22.9%
Central Office	64	39	32.7	43.9	-25.5%
Woodford County Middle School	77	47	36.1	48.1	-24.9%
Woodford County High School	69	45	53.7	64.6	-16.9%
Group Total	73	41	40.5	53.2	-23.9%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

Energy Management Report

February 2019

School Facility	February					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	124,943	128,155	-2.6%	7	\$312	1,106,791	1,193,612	-7.8%	9	\$8,385
WCMS	117,600	104,400	11.2%	3	-\$1,284	945,920	905,760	4.2%	3	-\$3,878
Huntertown	47,000	52,400	-11.5%	8	\$525	361,800	377,600	-4.4%	8	\$1,526
Northside	52,720	51,760	1.8%	4	-\$93	375,560	374,560	0.3%	6	-\$97
Simmons	65,040	54,960	15.5%	2	-\$981	471,120	437,160	7.2%	1	-\$3,280
Southside	56,416	69,080	-22.4%	9	\$1,232	394,707	406,115	-2.9%	7	\$1,102
Central Office	22,680	22,860	-0.8%	5	\$18	126,180	125,820	0.3%	5	-\$35
Bus Garage	9,177	6,309	31.3%	1	-\$279	62,620	59,055	5.7%	2	-\$344
Safe Harbor	11,122	11,406	-2.6%	6	\$28	68,679	66,613	3.0%	4	-\$200
Total	506,698	501,330	1.1%		-\$522	3,913,377	3,946,295	-0.8%		\$3,179

Location	Estimated Cost (\$)
WCHS	8,000
WQMS	-3,500
Huntertown	-1,000
Northside	-200
Simmons	-2,500
Southside	-1,000
Central Office	200
Bus Garage	500
Safe Harbor	-100
Total	-2,500

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