

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C **DATE:** August 14, 2018

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:

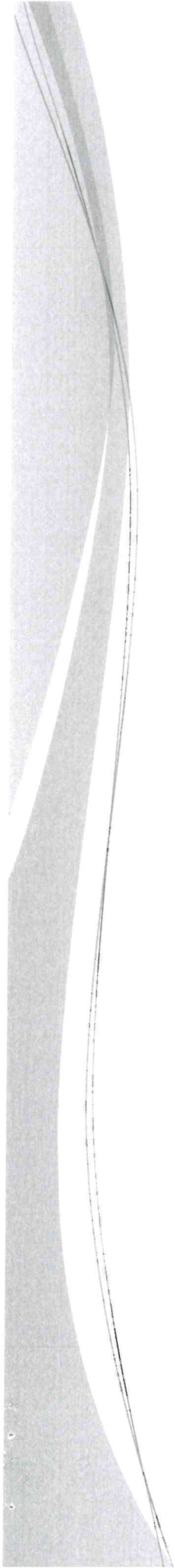
Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

July 2018

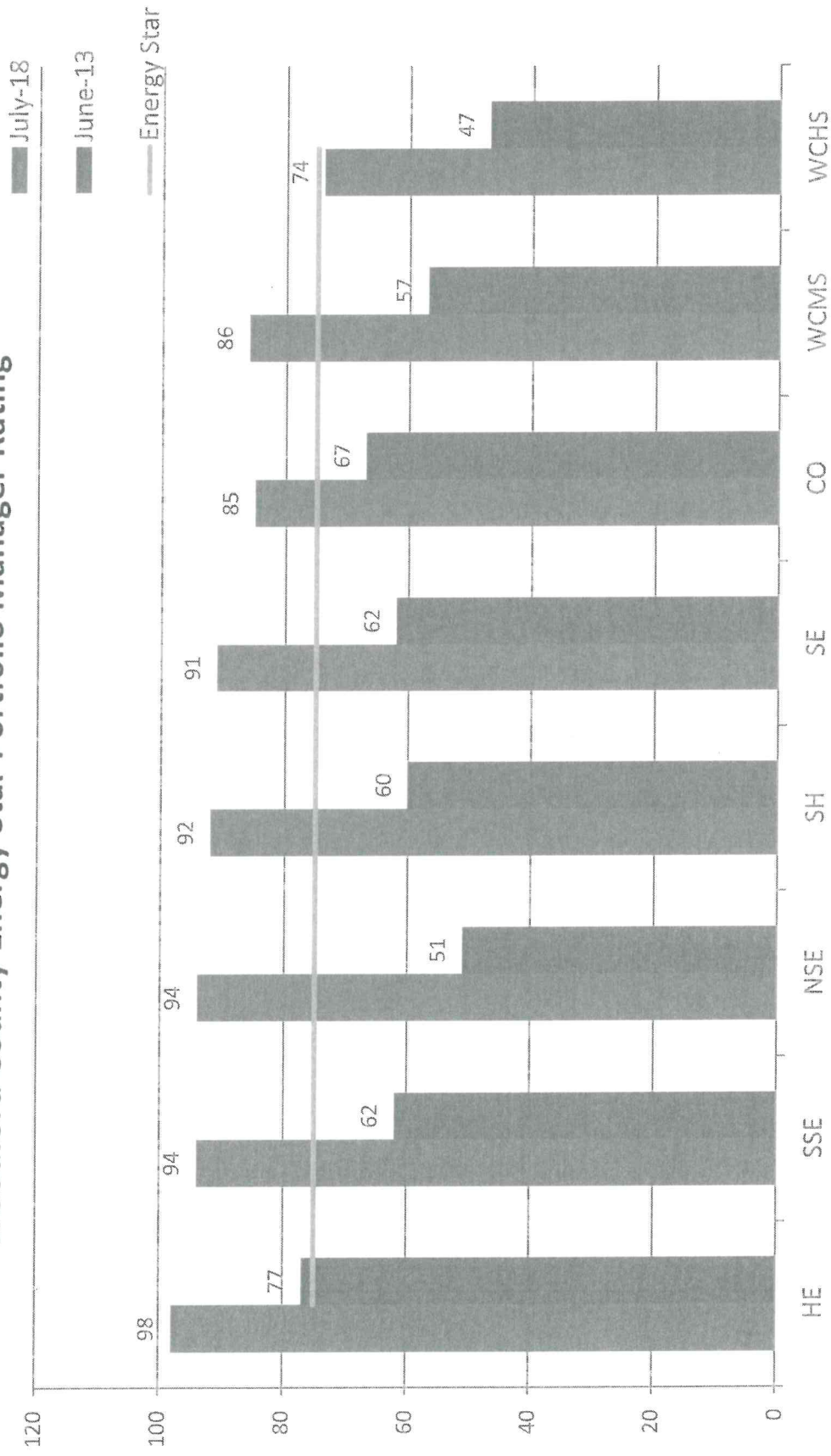
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$83,687	\$83,687
Rate Change Savings Current Year		\$37,594	\$37,594
Consumption Savings Prior Years		\$1,167,211	\$1,167,211
Consumption Savings Current Year		\$307,760	\$307,760
Energy Projects Prior Years	\$31,393		\$31,393
Energy Projects Current Year	\$18,494		\$18,494
Total	\$49,887	\$1,596,252	\$1,646,139

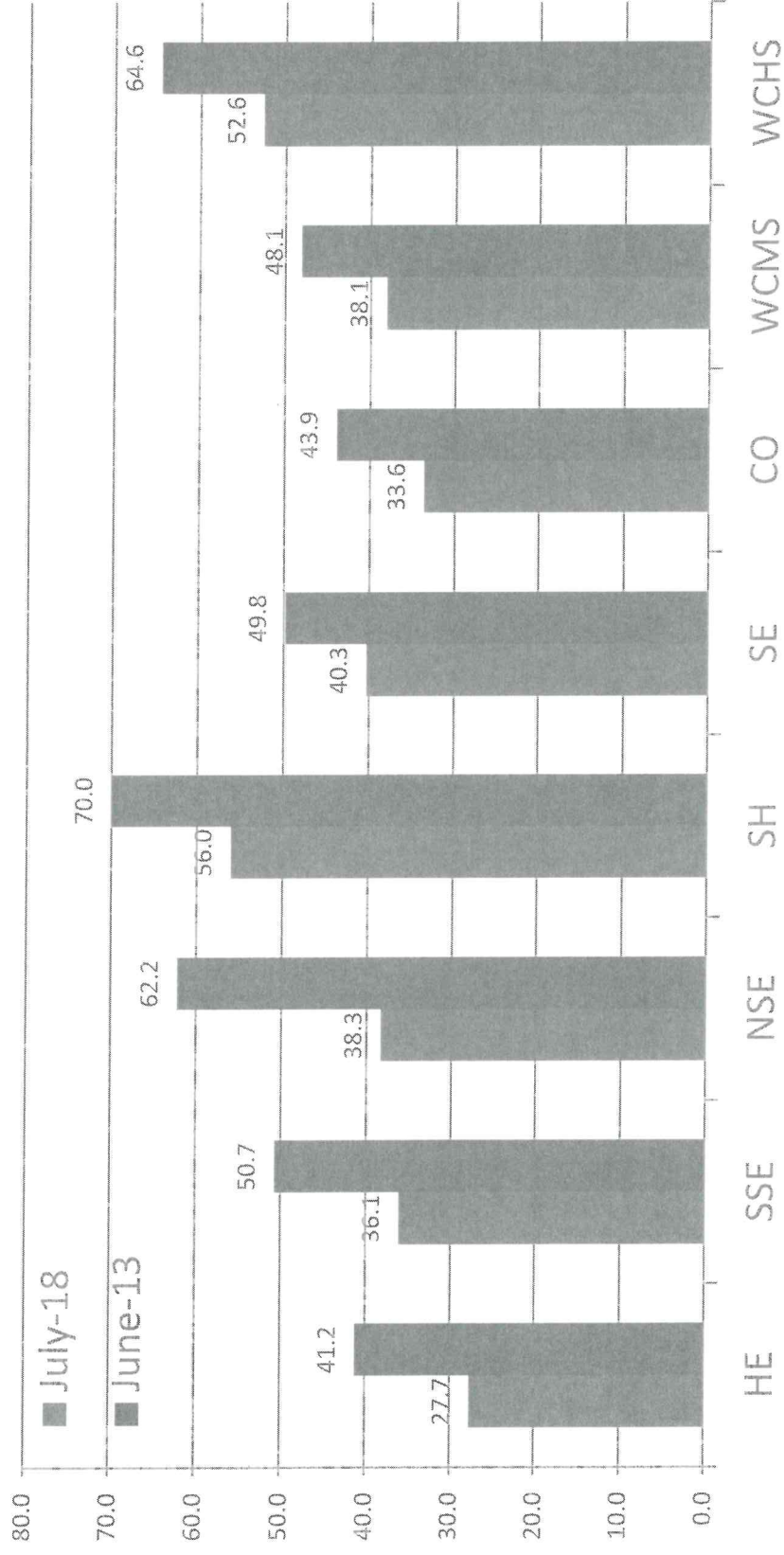
Woodford County Energy Star Portfolio Manager Ratings

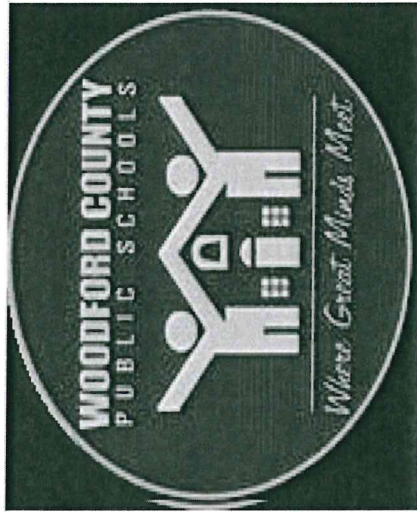
Facility Name	Rating (1-100) July-18	Rating (1-100) June-13	Energy Use kbtu/sq ft July-18	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	98	77	27.7	41.2	-32.7%
Southside Elementary	94	62	36.1	50.7	-28.8%
Northside Elementary	94	51	38.3	62.2	-38.4%
Safe Harbor	92	60	56.0	70.0	-20.0%
Simmons Elementary	91	62	40.3	49.8	-19.1%
Central Office	85	67	33.6	43.9	-23.5%
Woodford County Middle School	86	57	38.1	48.1	-20.8%
Woodford County High School	74	47	52.6	64.6	-18.6%
Group Total	87	57	40.6	53.2	-23.7%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools Energy Management Report July 2018

School Facility	July					2018 - 2019 YTD Results				
	2017 Actual Kwh	2018 Actual Kwh	% Reduction	Position	\$ Cost Change	2017-18 Actual Kwh	2018-19 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	118,953	147,732	-24.2%	6	\$2,878	118,953	147,732	-24.2%	6	\$2,878
WCMS	80,240	104,880	-30.7%	7	\$2,464	80,240	104,880	-30.7%	7	\$2,464
Huntertown	25,400	40,600	-59.8%	9	\$1,520	25,400	40,600	-59.8%	9	\$1,520
Northside	31,400	42,000	-33.8%	8	\$1,060	31,400	42,000	-33.8%	8	\$1,060
Simmons	51,120	51,120		2	\$0	51,120	51,120		2	\$0
Southside	36,443	43,207	-18.6%	5	\$676	36,443	43,207	-18.6%	5	\$676
Central Office	13,320	14,040	-5.4%	3	\$72	13,320	14,040	-5.4%	3	\$72
Bus Garage	7,474	8,617	-15.3%	4	\$114	7,474	8,617	-15.3%	4	\$114
Safe Harbor	8,215	7,315	11.0%	1	-\$90	8,215	7,315	11.0%	1	-\$90
Total	372,565	459,511	-23.3%		\$8,695	372,565	459,511	-23.3%		\$8,695

Location	Number of Employees
WCHS	2,800
WCMs	2,200
Huntertown	1,200
Northside	800
Simons	500
Southside	400
Central Office	200
Bus Garage	100
Safe Harbor	100
Total	8,500

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