

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C **DATE:** September 12, 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:

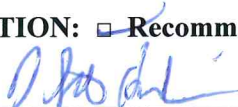
SUMMARY OF MAJOR ELEMENTS:

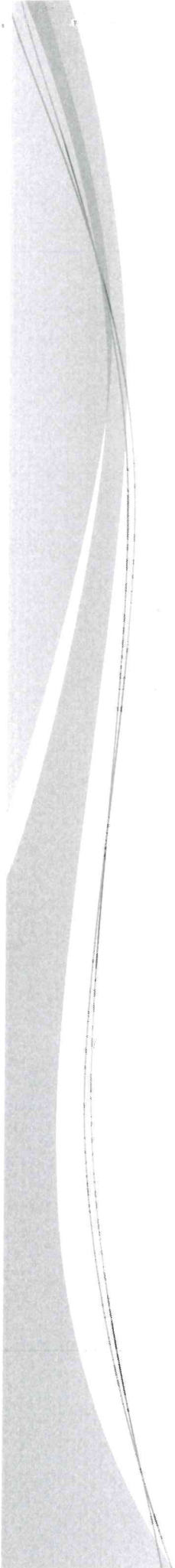
Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

Aug 2018

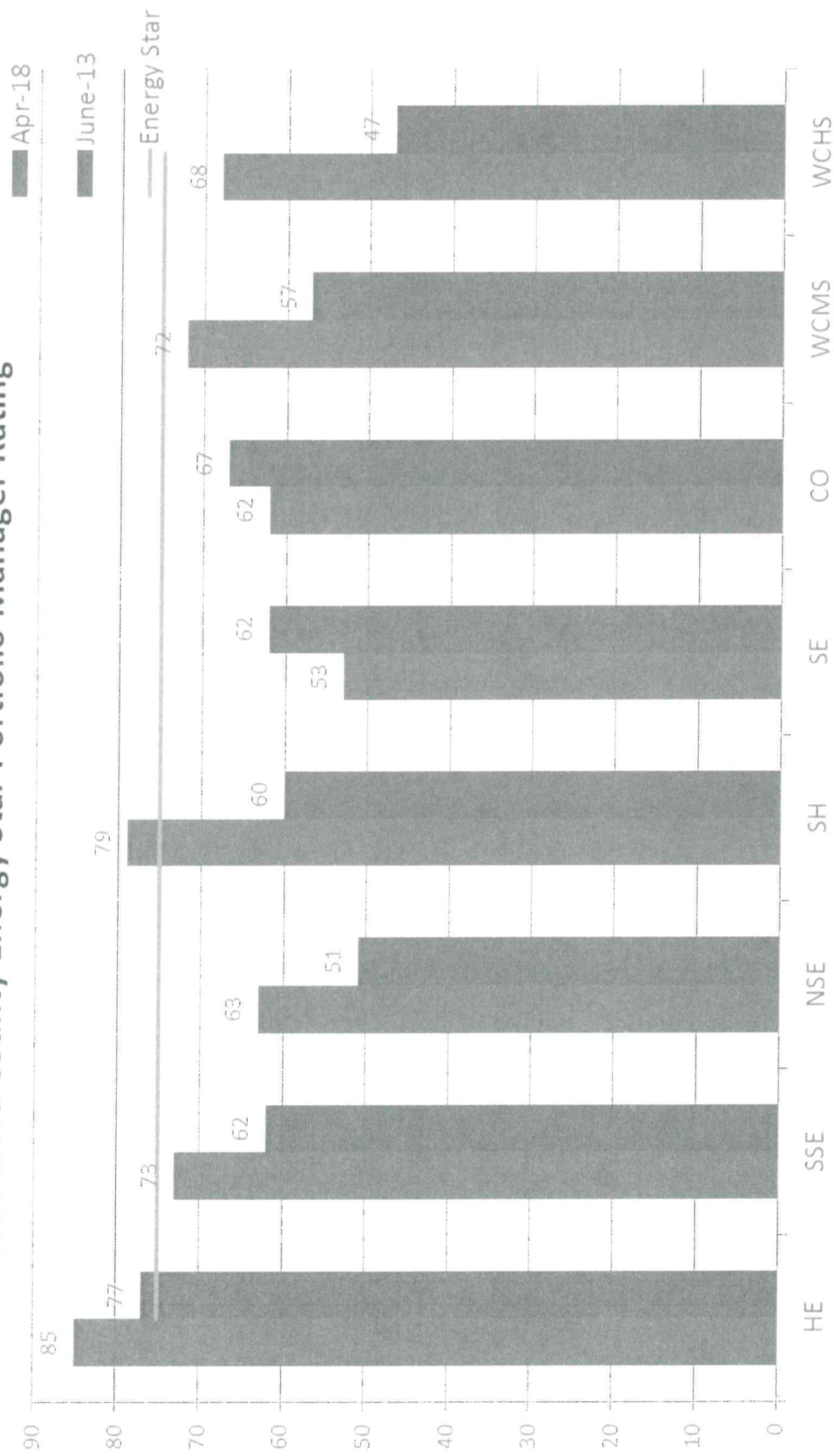
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$121,281	\$121,281
Rate Change Savings Current Year		\$6,266	\$6,266
Consumption Savings Prior Years		\$1,474,862	\$1,474,862
Consumption Savings Current Year		\$43,053	\$43,053
Energy Projects Prior Years	\$49,887		\$49,887
Energy Projects Current Year	\$0		\$0
Total	\$49,887	\$1,645,462	\$1,695,349

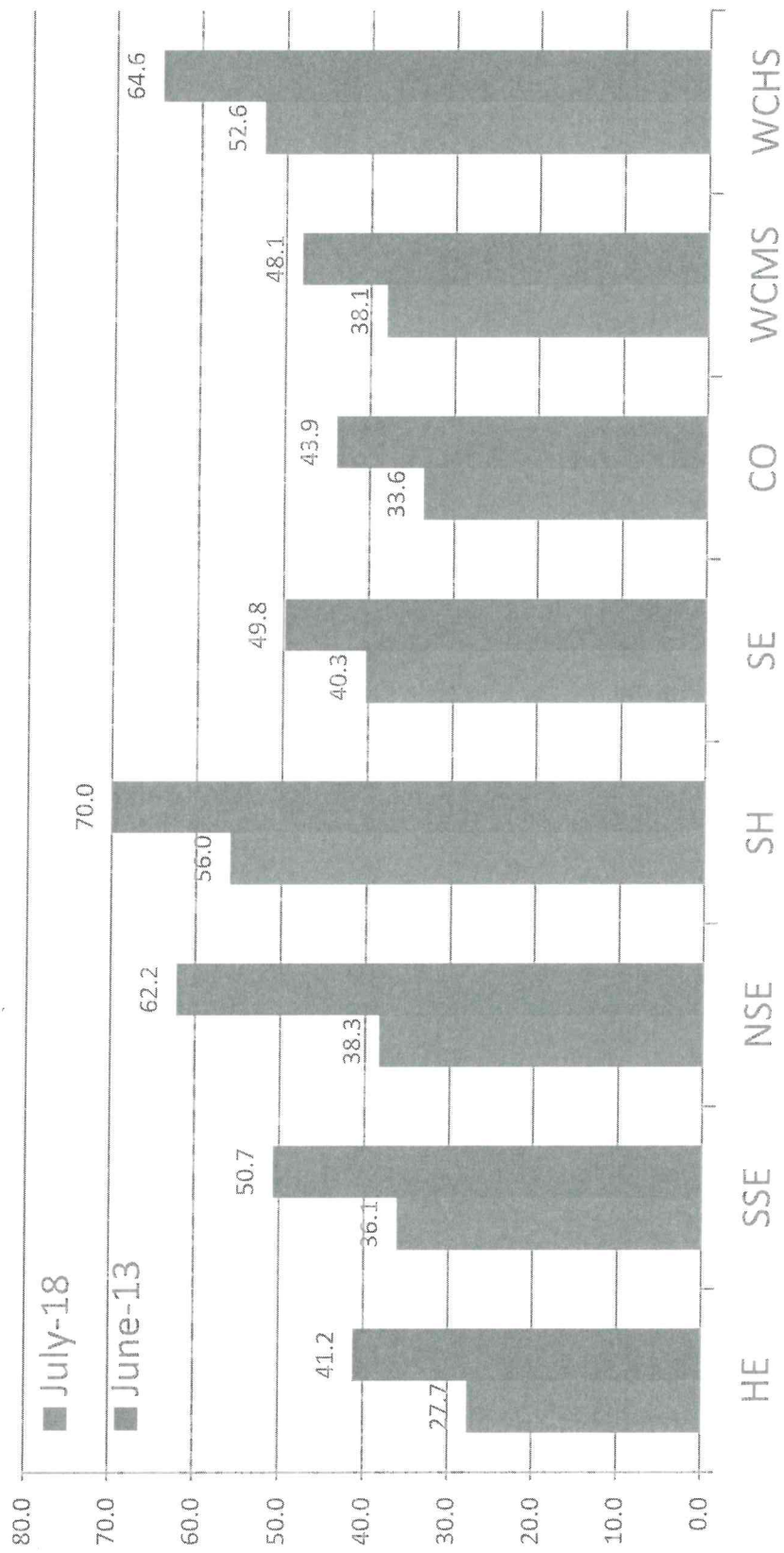
Woodford County Energy Star Portfolio Manager Ratings

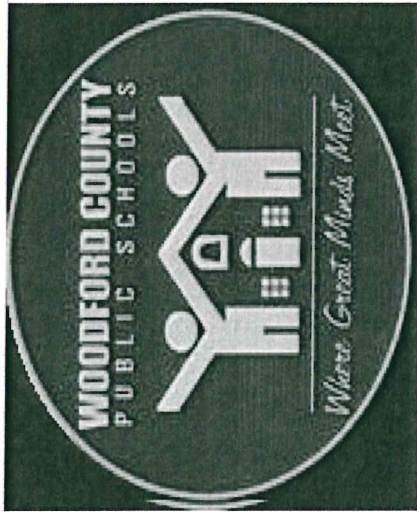
Facility Name	Rating (1-100) Apr-18	Rating (1-100) June-13	Energy Use kbtu/sq ft July-18	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	85	77	27.6	41.2	-33.0%
Southside Elementary	73	62	36.2	50.7	-28.6%
Northside Elementary	63	51	38.8	62.2	-37.6%
Safe Harbor	79	60	55.7	70.0	-20.4%
Simmons Elementary	53	62	40.4	49.8	-18.9%
Central Office	62	67	33.3	43.9	-24.1%
Woodford County Middle School	72	57	37.7	48.1	-21.6%
Woodford County High School	68	47	53.1	64.6	-17.8%
Group Total	87	57	40.6	53.2	-23.7%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)



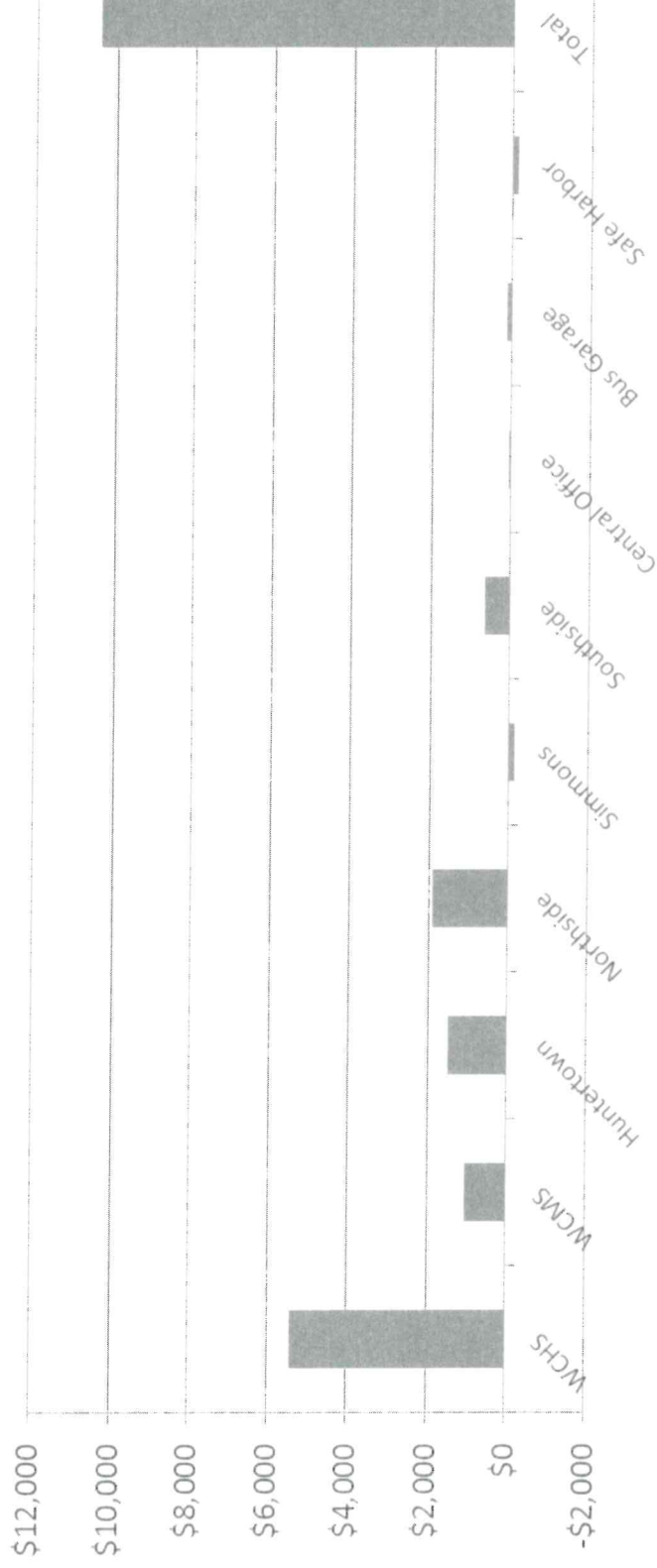


Woodford County Schools Energy Management Report Aug 2018

School Facility	Aug-18					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	154,491	184,388	-24.2%	6	\$2,765	273,444	332,120	-21.5%	7	\$5,427
WCMS	105,360	92,160	-30.7%	7	-\$1,221	185,600	197,040	-6.2%	4	\$1,058
Huntertown	43,200	44,000	-59.8%	9	\$74	68,600	84,600	-23.3%	8	\$1,480
Northside	38,000	48,160	-33.8%	8	\$940	69,400	90,160	-29.9%	9	\$1,920
Simmons	57,480	55,800		2	-\$155	108,600	106,920	1.5%	2	-\$155
Southside	44,711	44,868	-18.6%	5	\$15	81,154	88,075	-8.5%	5	\$640
Central Office	12,240	12,060	-5.4%	3	-\$17	25,560	26,100	-2.1%	3	\$50
Bus Garage	7,562	7,871	-15.3%	4	\$29	15,036	16,488	-9.7%	6	\$134
Safe Harbor	7,788	7,253	11.0%	1	-\$49	16,003	14,568	9.0%	1	-\$133
Total	470,832	496,560	-23.3%		\$2,380	843,397	956,071	-13.4%		\$10,421

Electrical Energy Cost Comparison to Last Year

July 2018 - July 2018 \$ Cost Change



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