

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** May 4, 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
 - 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:

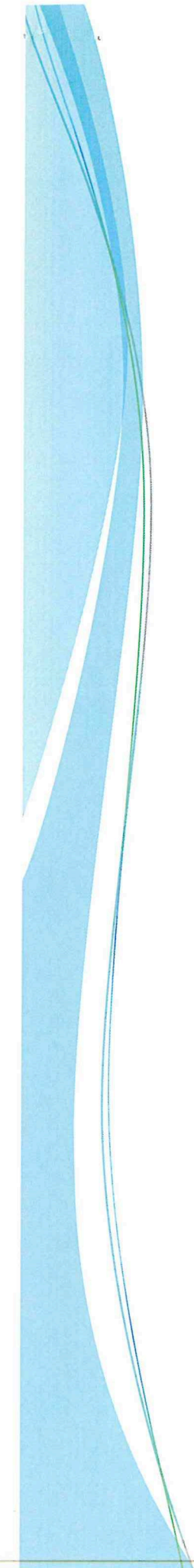
SUMMARY OF MAJOR ELEMENTS:

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

April 2020

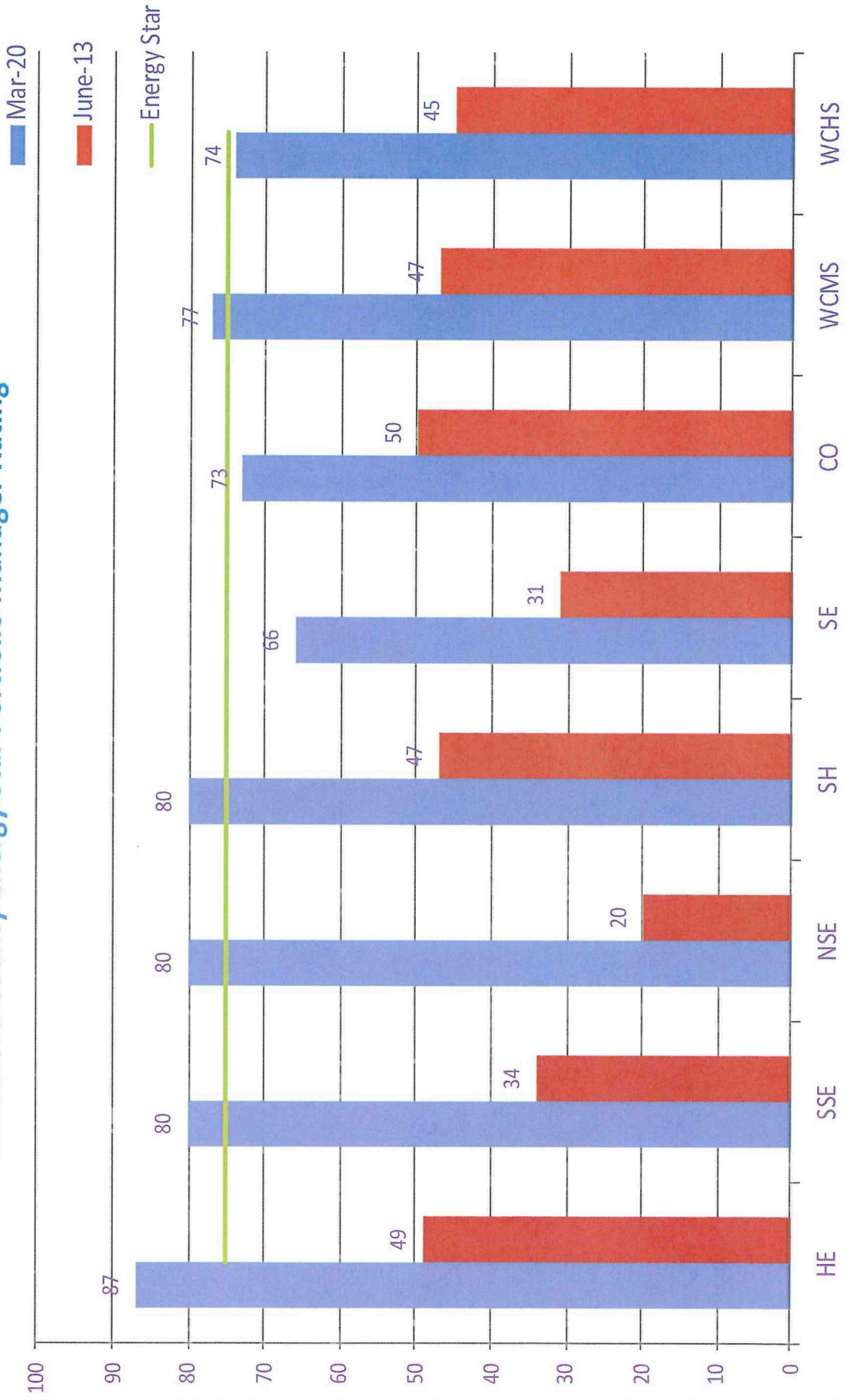
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$147,299	\$147,299
Rate Change Savings Current Year		\$42,586	\$42,586
Consumption Savings Prior Years		\$1,794,103	\$1,794,103
Consumption Savings Current Year		\$362,120	\$362,120
Energy Projects Prior Years	\$51,268		\$51,268
Energy Projects Current Year	\$3,611		\$3,611
Total	\$54,879	\$2,346,108	\$2,400,987

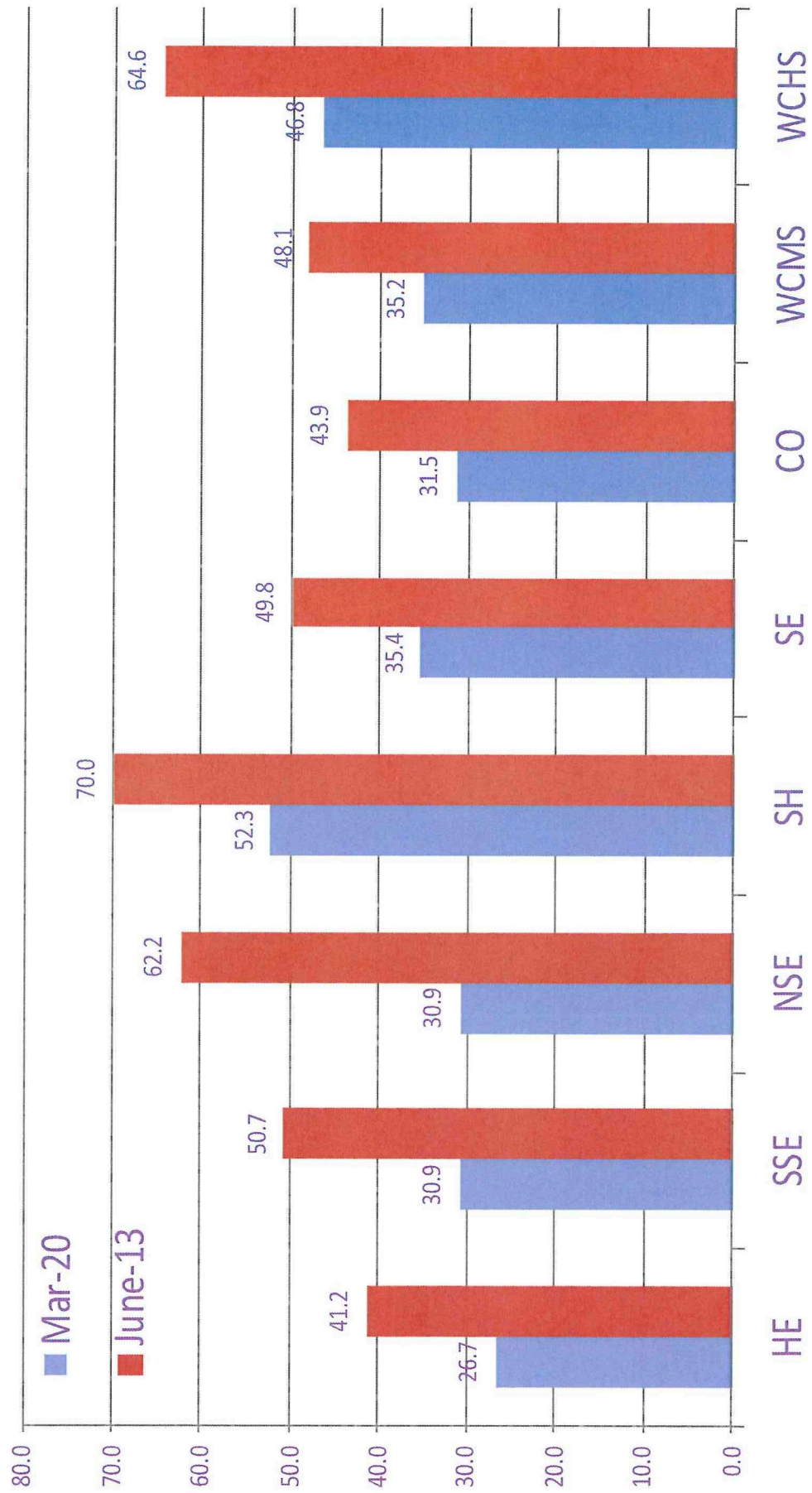
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Mar-20	Rating (1-100) June-13	Energy Use kbtu/sq ft Mar-20	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	87	49	26.7	41.2	-35.2%
Southside Elementary	80	34	30.9	50.7	-39.1%
Northside Elementary	80	20	30.9	62.2	-50.3%
Safe Harbor	80	47	52.3	70.0	-25.3%
Simmons Elementary	66	31	35.4	49.8	-28.9%
Central Office	73	50	31.5	43.9	-28.2%
Woodford County Middle School	77	47	35.2	48.1	-26.8%
Woodford County High School	74	45	46.8	64.6	-27.6%
Group Total	77	41	36.8	53.8	-31.6%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





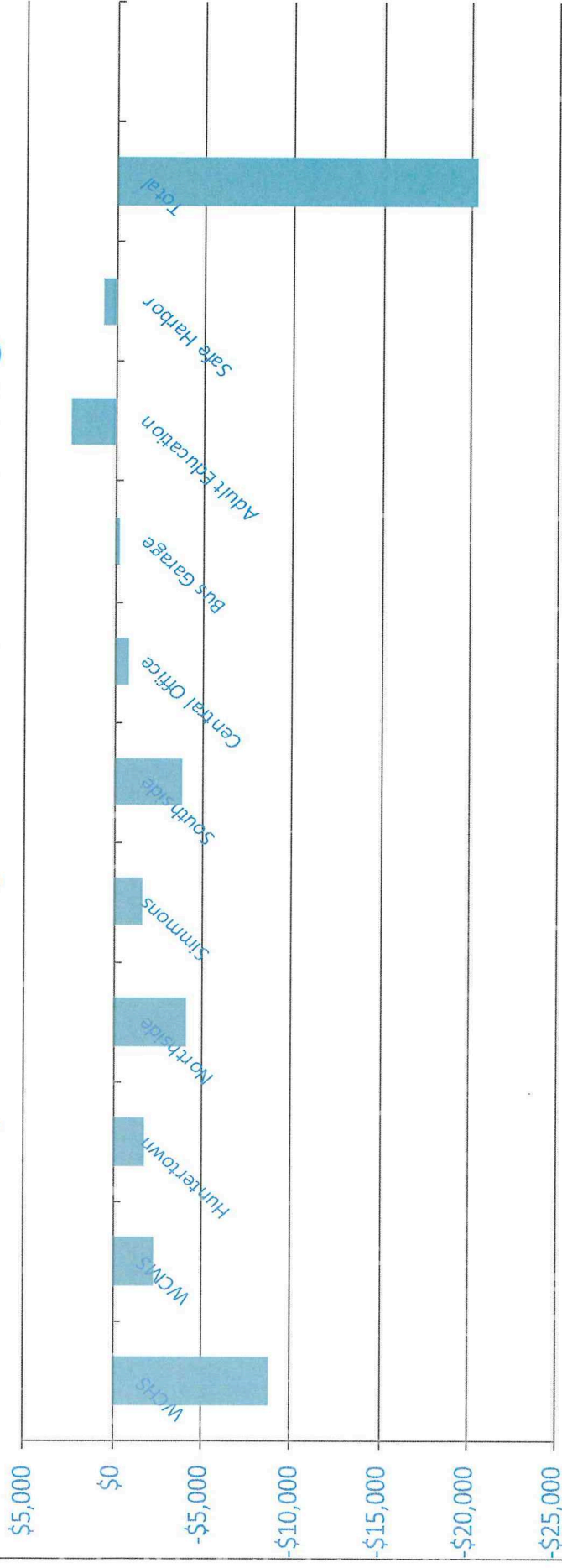
Woodford County Schools Energy Management Report

April 2020

School Facility	April					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	117,915	74,404	36.9%	1	-\$5,266	1,427,528	1,347,868	5.6%	3	-\$8,736
WCMS	96,720	81,360	15.9%	6	-\$1,859	1,113,360	1,092,000	1.9%	8	-\$2,342
Huntertown	39,200	32,000	18.4%	3	-\$871	465,600	449,000	3.6%	6	-\$1,820
Northside	32,240	26,320	18.4%	4	-\$717	454,960	417,200	8.3%	1	-\$4,141
Simmons	46,920	39,960	14.8%	7	-\$842	534,720	519,960	2.8%	7	-\$1,619
Southside	38,742	30,508	21.3%	2	-\$997	498,477	462,999	7.1%	2	-\$3,891
Central Office	16,200	14,220	12.2%	8	-\$240	161,640	154,260	4.6%	4	-\$809
Bus Garage	5,027	5,122	-1.9%	9	\$11	70,860	68,255	3.7%	5	-\$286
Adult Education	2,981	3,289	-10.3%	10	\$37	15,032	37,413	-148.9%	10	\$2,454
Safe Harbor	6,451	5,376	16.7%	5	-\$130	83,174	90,043	-8.3%	9	\$753
Total	402,396	312,559	22.3%		-\$10,873	4,825,351	4,638,998	3.9%		-\$20,436

Electrical Energy Cost Comparison to Last Year

July 2019 - April 2020 \$ Cost Change



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