

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

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

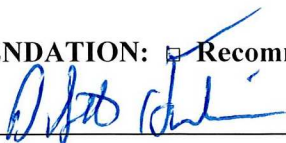
SUMMARY OF MAJOR ELEMENTS:

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

December 2019



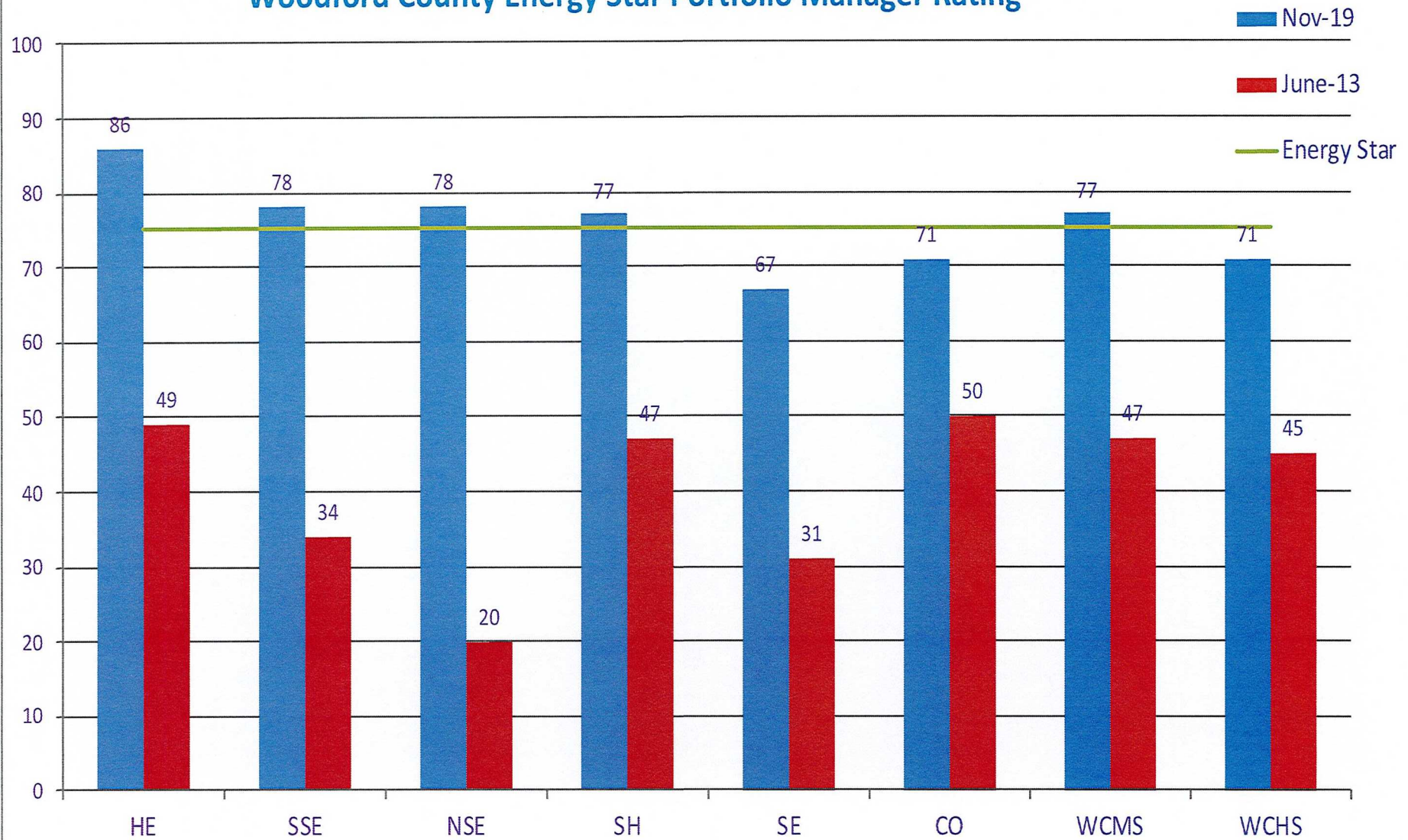
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$147,299	\$147,299
Rate Change Savings Current Year		\$25,552	\$25,552
Consumption Savings Prior Years		\$1,794,103	\$1,794,103
Consumption Savings Current Year		\$184,845	\$184,845
Energy Projects Prior Years	\$51,268		\$51,268
Energy Projects Current Year	\$3,611		\$3,611
Total	\$54,879	\$2,151,799	\$2,206,678

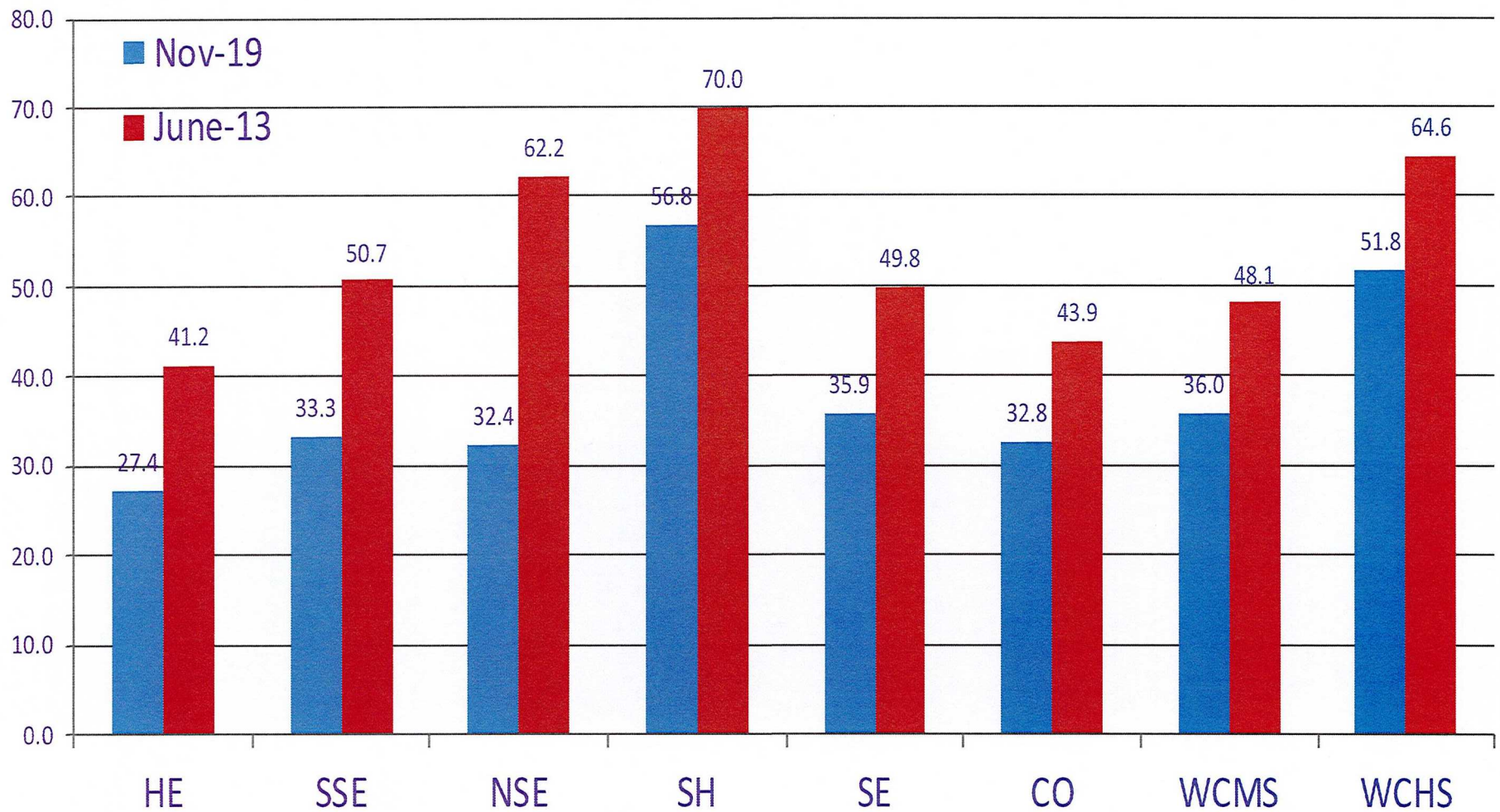
Woodford County Energy Star Portfolio Manager Ratings

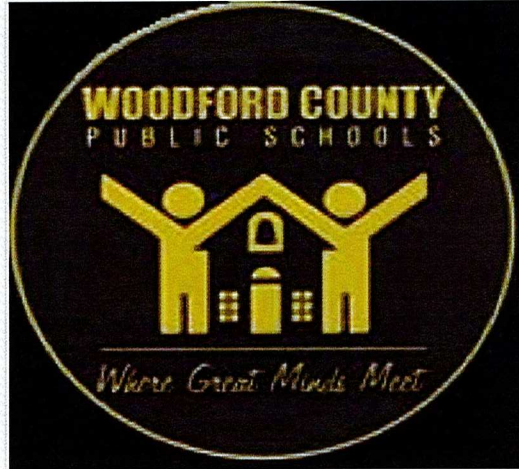
Facility Name	Rating (1-100) Nov-19	Rating (1-100) June-13	Energy Use kbtu/sq ft Nov-19	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	86	49	27.4	41.2	-33.5%
Southside Elementary	78	34	33.3	50.7	-34.3%
Northside Elementary	78	20	32.4	62.2	-47.9%
Safe Harbor	77	47	56.8	70.0	-18.9%
Simmons Elementary	67	31	35.9	49.8	-27.9%
Central Office	71	50	32.8	43.9	-25.3%
Woodford County Middle School	77	47	36.0	48.1	-25.2%
Woodford County High School	71	45	51.8	64.6	-19.8%
Group Total	75	41	39.2	53.2	-26.3%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)



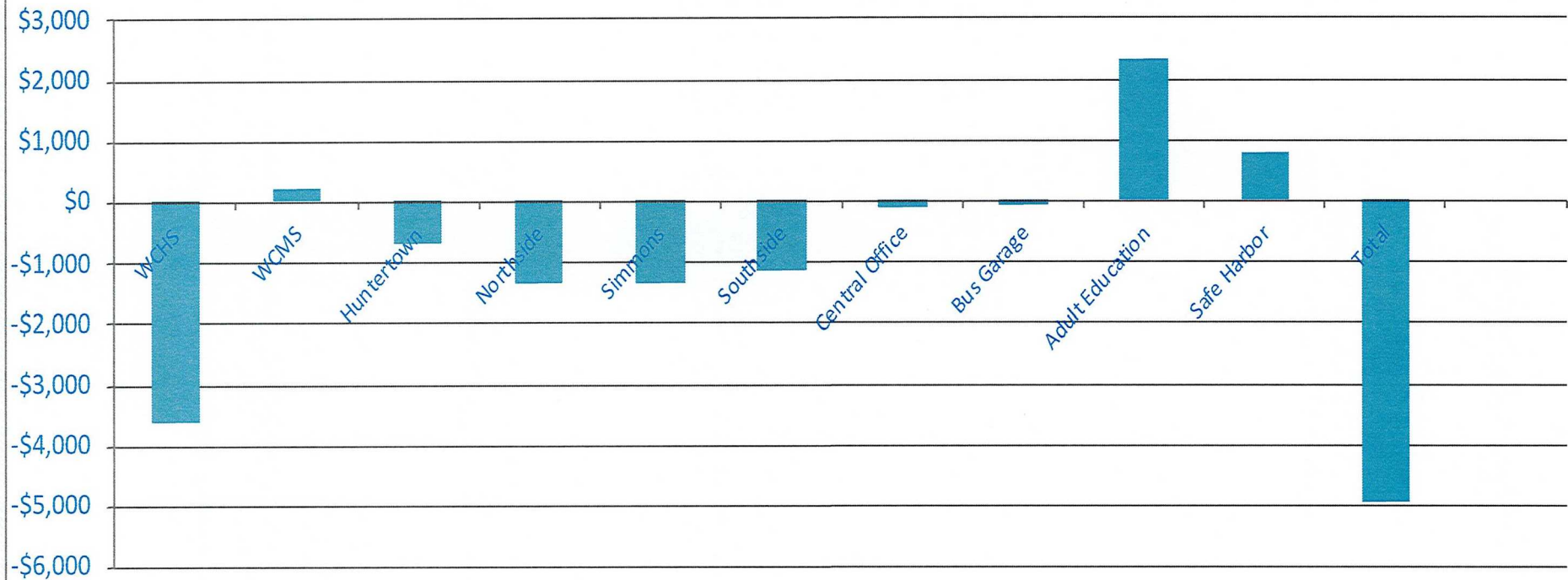


Woodford County Schools Energy Management Report December 2019

	December					2018 - 2019 YTD Results				
School Facility	2018 Actual Kwh	2019 Actual Kwh	% Reduction	Position	\$ Cost Change	2018-19 Actual Kwh	2019-20 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	117,934	133,653	-13.3%	8	\$1,635	951,270	918,089	3.5%	4	-\$3,625
WCMS	113,040	112,080	0.8%	4	-\$100	693,840	696,000	-0.3%	8	\$236
Huntertown	51,600	44,800	13.2%	2	-\$707	283,800	277,600	2.2%	5	-\$677
Northside	45,680	49,760	-8.9%	6	\$424	263,040	250,800	4.7%	1	-\$1,337
Simmons	54,240	60,480	-11.5%	7	\$649	329,640	317,280	3.7%	2	-\$1,350
Southside	54,223	45,873	15.4%	1	-\$869	287,364	277,004	3.6%	3	-\$1,132
Central Office	18,900	17,640	6.7%	3	-\$131	83,700	82,620	1.3%	6	-\$118
Bus Garage	6,365	7,528	-18.3%	9	\$121	43,372	42,837	1.2%	7	-\$58
Adult Education	2,539	3,300	-30.0%		\$79	2,539	23,847			\$2,328
Safe Harbor	10,442	11,001	-5.4%	5	\$58	46,923	54,127	-15.4%	9	\$787
Total	474,963	486,115	-2.3%		\$1,160	2,985,488	2,940,204	1.5%		-\$4,947

Electrical Energy Cost Comparison to Last Year

July 2019 - December 2019 \$ Cost Change



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