WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM

ITEM #: XII C **DATE:** May 10, 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

April 2019

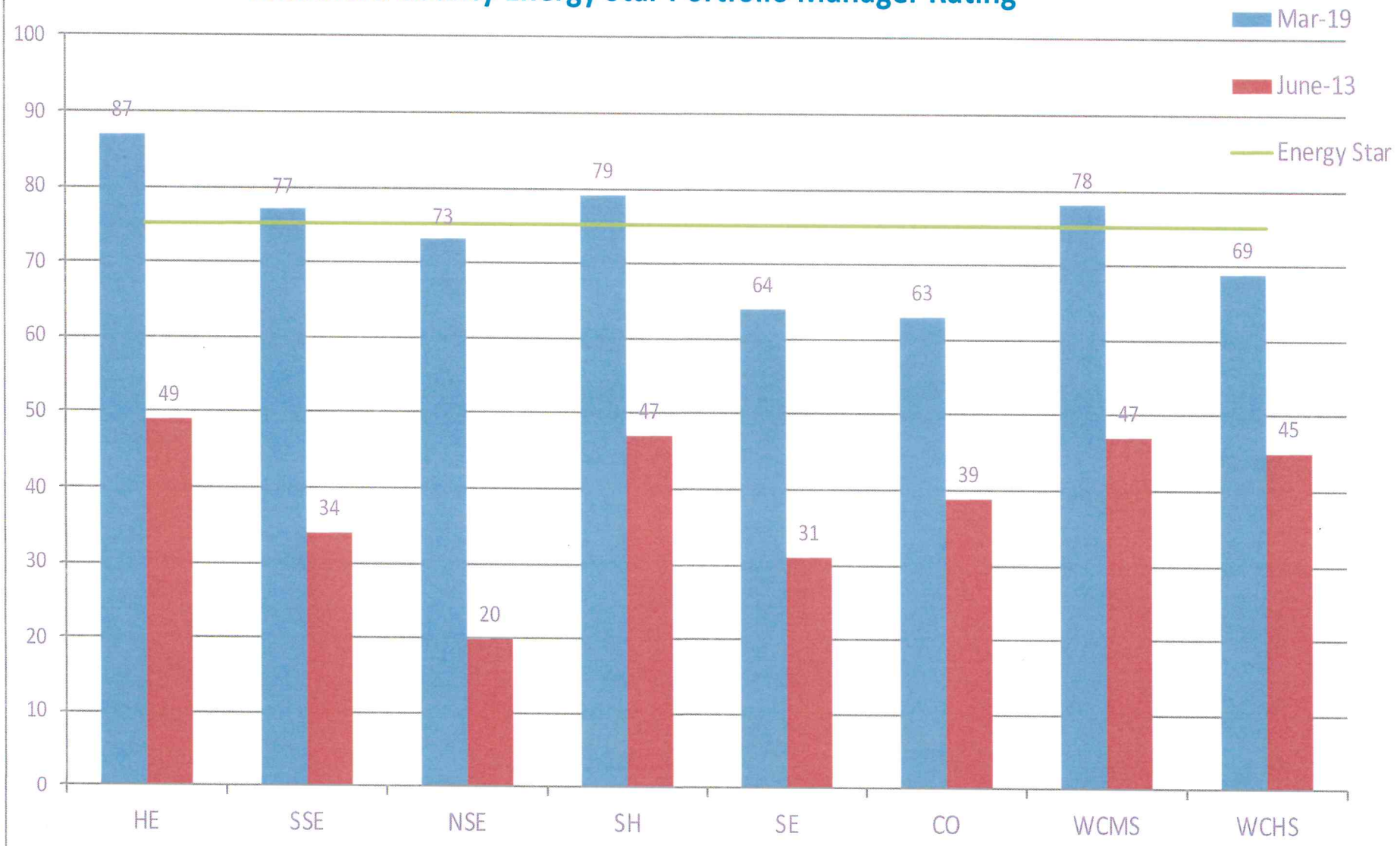
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		$121,281	$121,281
Rate Change Savings Current Year		$22,354	$20,354
Consumption Savings Prior Years		$1,474,862	$1,474,862
Consumption Savings Current Year		$261,792	$261,792
Energy Projects Prior Years	$49,887		$49,887
Energy Projects Current Year	$1,381		$1,381
Total	$51,268	$1,880,289	$1,931,557

Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Mar-19	Rating (1-100) June-13	Energy Use kbtu/sq ft Mar-19	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	87	49	27.7	41.2	-32.8%
Southside Elementary	77	34	34.8	50.7	-31.4%
Northside Elementary	73	20	35.0	62.2	-43.7%
Safe Harbor	79	47	58.2	70.0	-16.9%
Simmons Elementary	64	31	38.1	49.8	-23.5%
Central Office	63	39	33.1	43.9	-24.6%
Woodford County Middle School	78	47	35.9	48.1	-25.4%
Woodford County High School	69	45	54.0	64.6	-16.4%
Group Total	74	41	40.4	53.2	-24.1%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)

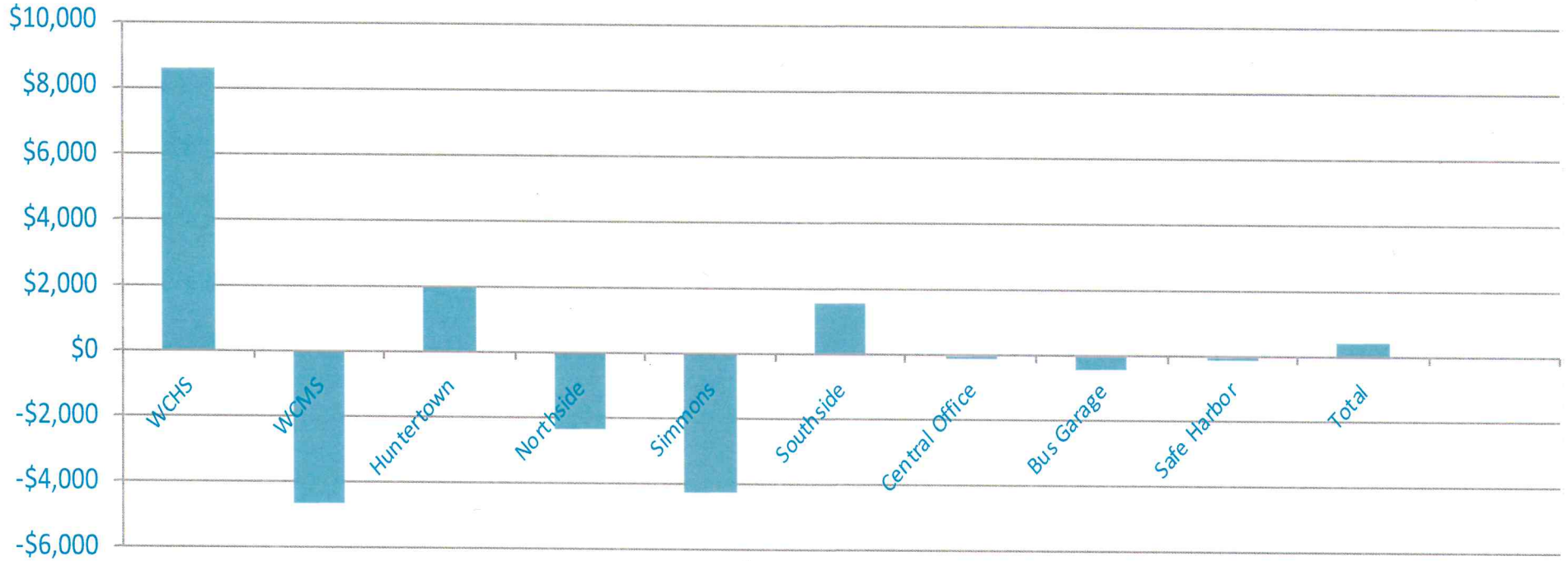


Woodford County Schools
Energy Management Report
April 2019

	April					2018 - 2019 YTD Results				
School Facility	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	110,536	117,915	-6.7%	8	$764	1,339,680	1,427,528	-6.6%	9	$8,592
WCMS	108,720	96,720	11.0%	5	-$1,242	1,160,960	1,113,360	4.1%	4	-$4,656
Huntertown	36,000	39,200	-8.9%	9	$331	445,200	465,600	-4.6%	8	$1,995
Northside	42,080	32,240	23.4%	1	-$1,018	478,440	454,960	4.9%	3	-$2,297
Simmons	56,160	46,920	16.5%	3	-$956	589,800	546,600	7.3%	1	-$4,225
Southside	38,880	38,742	0.4%	7	-$14	482,562	498,477	-3.3%	7	$1,557
Central Office	17,820	16,200	9.1%	6	-$168	162,360	161,640	0.4%	6	-$70
Bus Garage	5,714	5,027	12.0%	4	-$71	74,910	70,780	5.5%	2	-$404
Safe Harbor	7,859	6,451	17.9%	2	-$146	83,688	83,174	0.6%	5	-$50
Total	423,769	399,415	5.7%		-$2,521	4,817,600	4,822,119	-0.1%		$442

Electrical Energy Cost Comparison to Last Year

July 2018 - April 2019 $ Cost Change



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

Facility Name	Rating (1-100) Mar-19
Huntertown Elementary	87
Southside Elementary	77
Northside Elementary	73
Safe Harbor	79
Simmons Elementary	64
Central Office	63
Woodford County Middle School	78
Woodford County High School	69
Group Total	74