WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM

ITEM #: XIII C **DATE:** April 15, 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

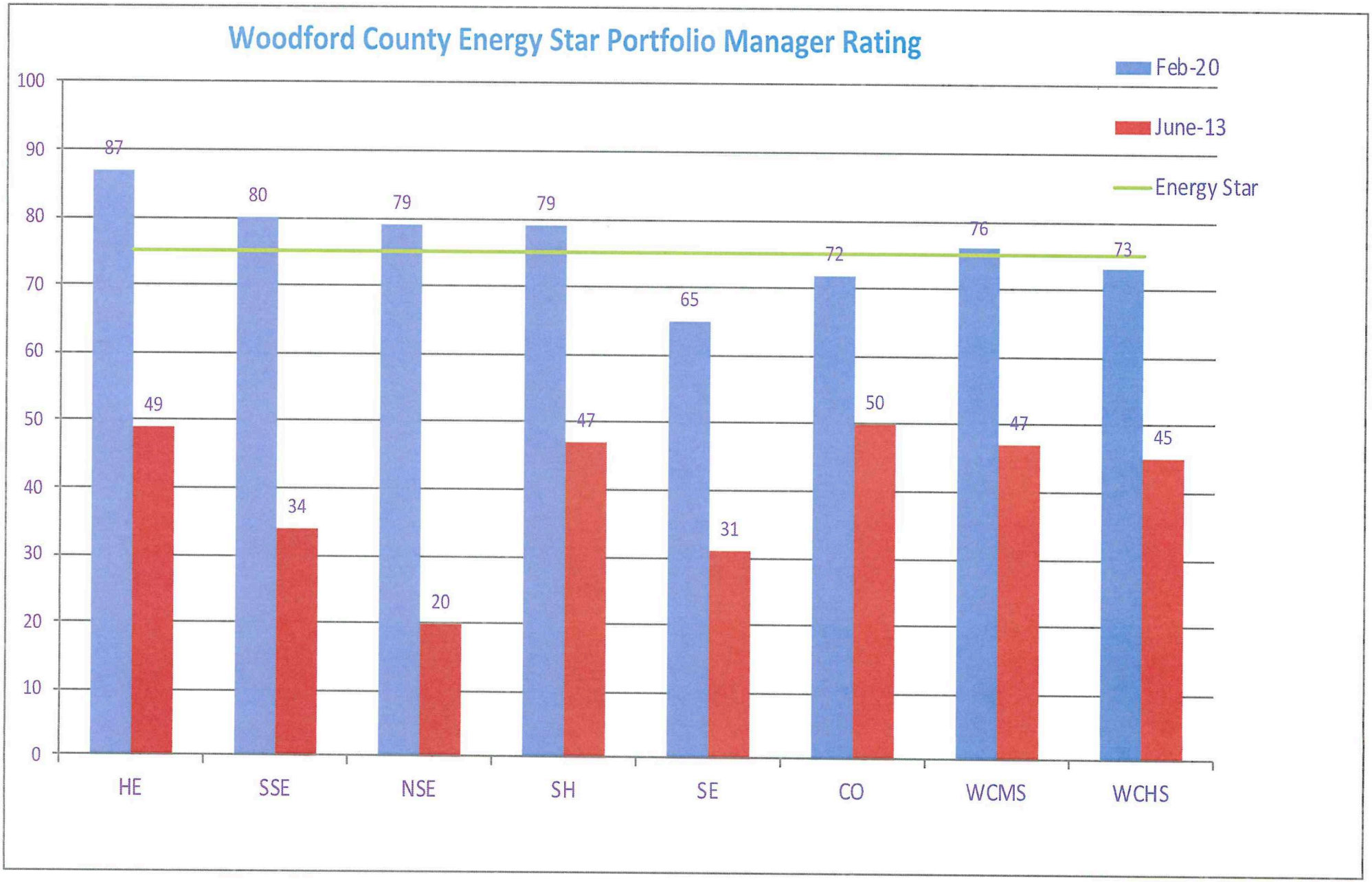
March 2020

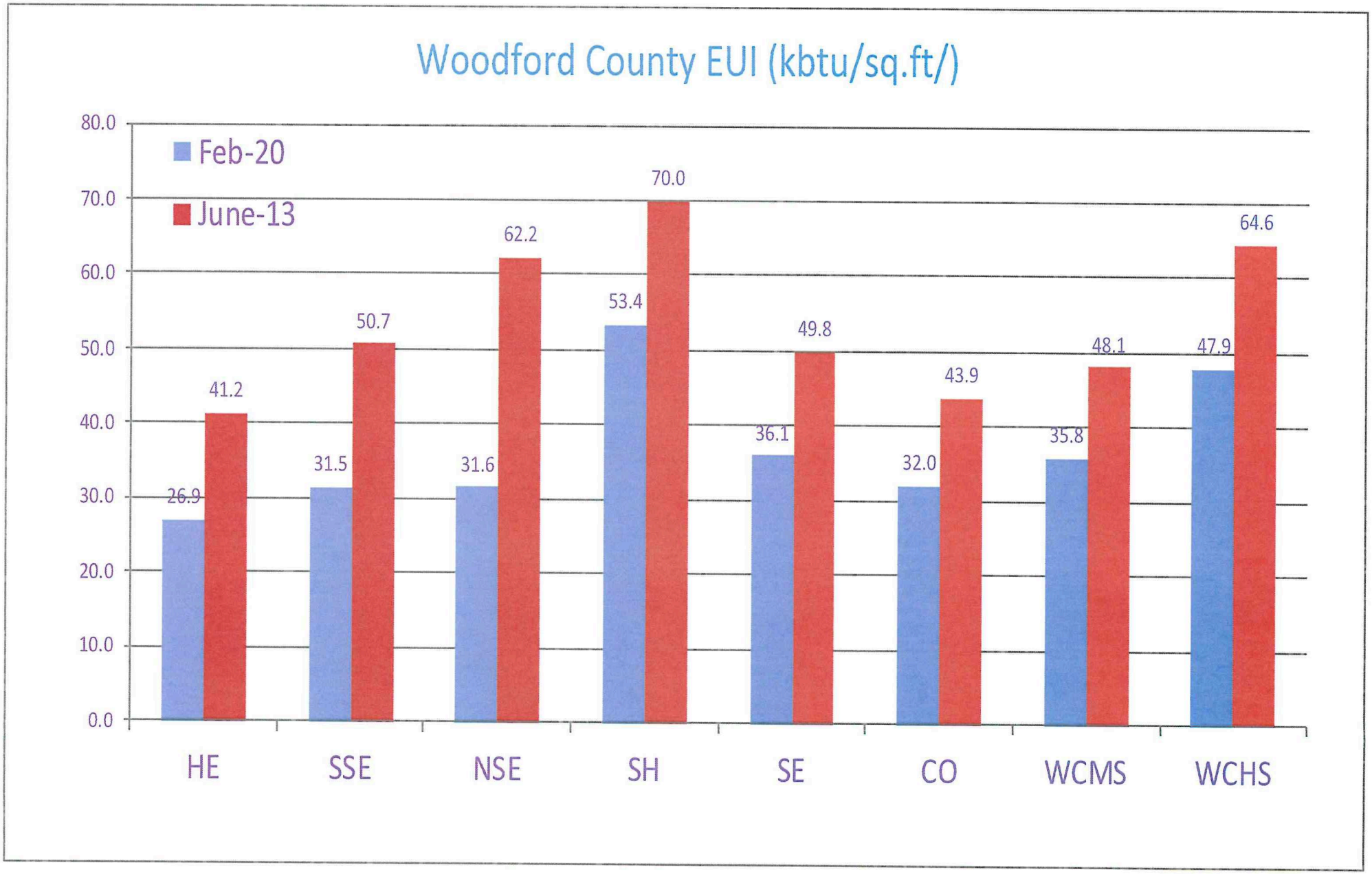
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		$147,299	$147,299
Rate Change Savings Current Year		$38,328	$38,328
Consumption Savings Prior Years		$1,794,103	$1,794,103
Consumption Savings Current Year		$324,138	$324,138
Energy Projects Prior Years	$51,268		$51,268
Energy Projects Current Year	$3,611		$3,611
Total	$54,879	$2,303,868	$2,358,747

Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Feb-20	Rating (1-100) June-13	Energy Use kbtu/sq ft Feb-20	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	87	49	26.9	41.2	-34.7%
Southside Elementary	80	34	31.5	50.7	-37.9%
Northside Elementary	79	20	31.6	62.2	-49.2%
Safe Harbor	79	47	53.4	70.0	-23.7%
Simmons Elementary	65	31	36.1	49.8	-27.5%
Central Office	72	50	32.0	43.9	-27.1%
Woodford County Middle School	76	47	35.8	48.1	-25.6%
Woodford County High School	73	45	47.9	64.6	-25.9%
Group Total	76	41	37.6	53.8	-30.1%


Woodford County Energy Star Portfolio Manager Rating
Feb-20
June-13
Energy Star
100
90
80
70
60
50
40
30
20
10
0
87
49
80
34
79
20
79
47
65
31
72
50
76
47
73
45
HE
SSE
NSE
SH
SE
CO
WCMS
WCHS

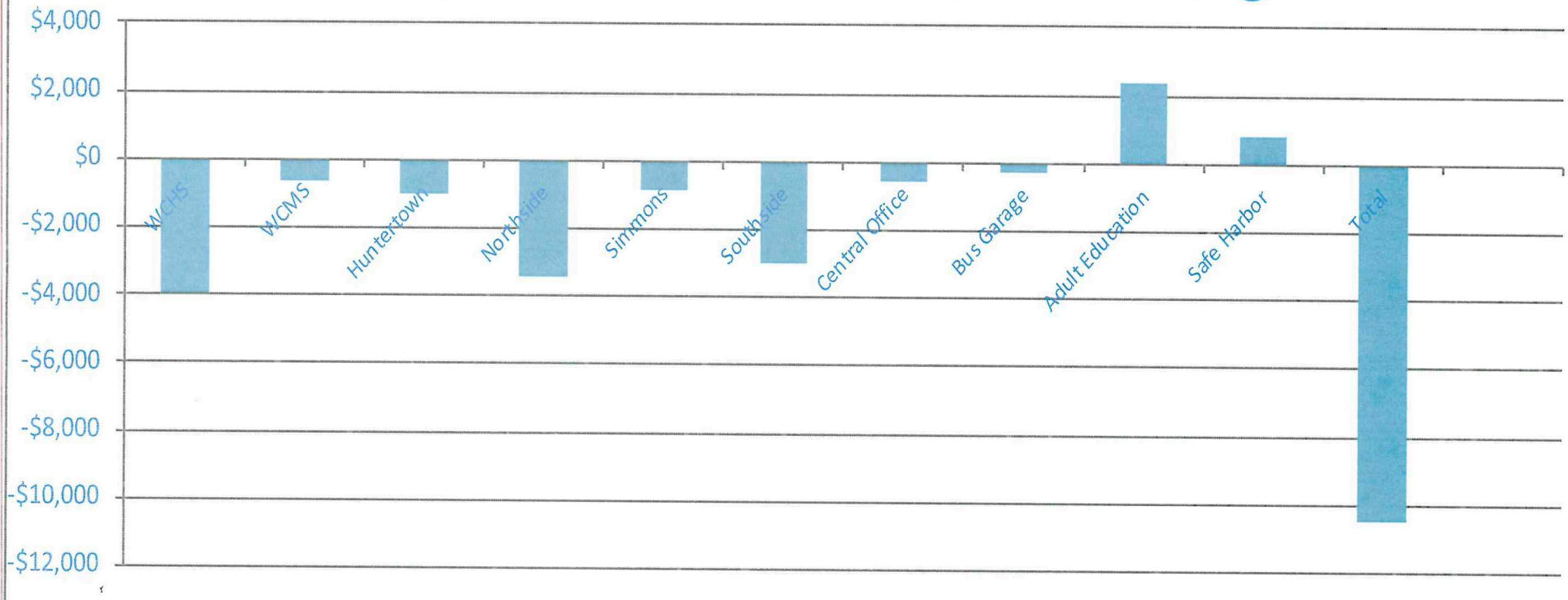

Woodford County EUI (kbtu/sq.ft/)
Feb-20
June-13
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
26.9
41.2
31.5
50.7
31.6
62.2
53.4
70.0
36.1
49.8
32.0
43.9
35.8
48.1
47.9
64.6
HE
SSE
NSE
SH
SE
CO
WCMS
WCHS

Woodford County Schools Energy Management Report March 2020

	March					2018 - 2019 YTD Results				
School Facility	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	116,001	106,596	8.1%	2	-$1,017	1,309,613	1,273,464	2.8%	5	-$3,934
WCMS	110,880	108,000	2.6%	7	-$311	1,016,640	1,010,640	0.6%	8	-$653
Huntertown	48,800	45,600	6.6%	3	-$346	426,400	417,000	2.2%	6	-$1,023
Northside	48,160	38,640	19.8%	1	-$1,029	422,720	390,880	7.5%	1	-$3,465
Simmons	50,640	48,960	3.3%	6	-$182	487,800	480,000	1.6%	7	-$849
Southside	53,620	51,708	3.6%	5	-$207	459,735	432,491	5.9%	2	-$2,965
Central Office	19,620	19,980	-1.8%	10	$39	145,440	140,040	3.7%	4	-$588
Bus Garage	6,698	6,778	-1.2%	9	$9	65,753	63,133	4.0%	3	-$285
Adult Education	3,407	3,212	5.7%	4	-$21	12,051	34,124	-183.2%	10	$2,402
Safe Harbor	10,110	10,147	-0.4%	8	$4	76,723	84,667	-10.4%	9	$865
Total	467,936	439,621	6.1%		-$3,061	4,422,875	4,326,439	2.2%		-$10,496

Electrical Energy Cost Comparison to Last Year

July 2019 - March 2020 $ Cost Change



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