

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** August 12, 2021

TOPIC/TITLE: Energy Management Report

PRESENTER: Jeff Martello

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:

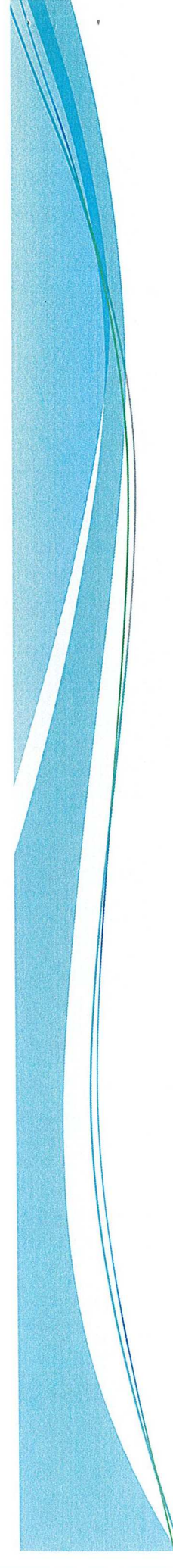
Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

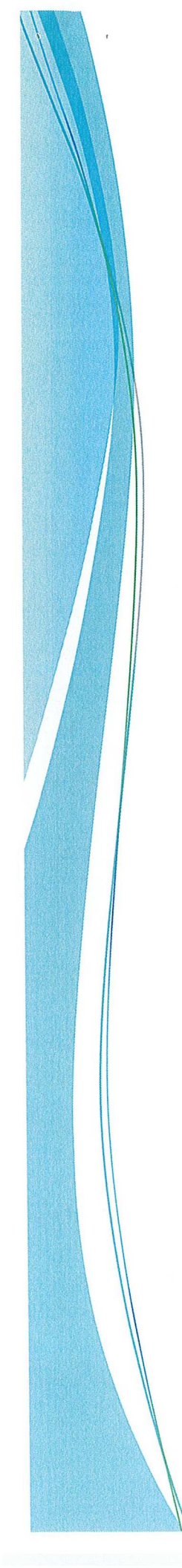
SUPERINTENDENT'S RECOMMENDATION: ☐ Recommended ☐ Not Recommended

Danny Adkins Jr.



Woodford County Schools Energy Management Package

July 2021



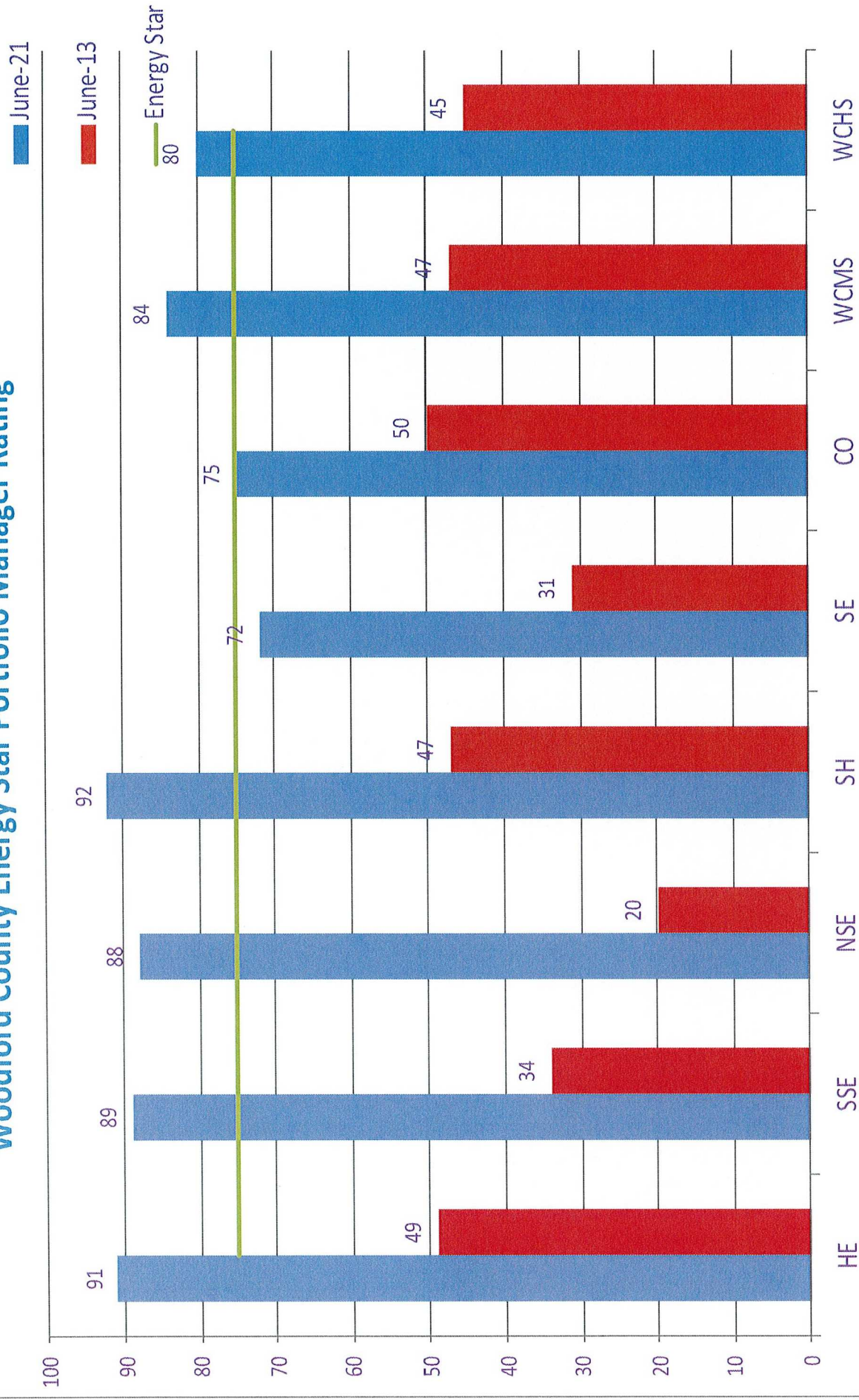
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$256,772	\$256,772
Rate Change Savings Current Year		\$3,272	\$3,272
Consumption Savings Prior Years		\$2,727,186	\$2,727,186
Consumption Savings Current Year		\$29,886	\$29,886
Energy Projects Prior Years	\$54,879		\$54,879
Energy Projects Current Year	\$0		\$0
Total	\$54,879	\$3,017,126	\$3,072,005

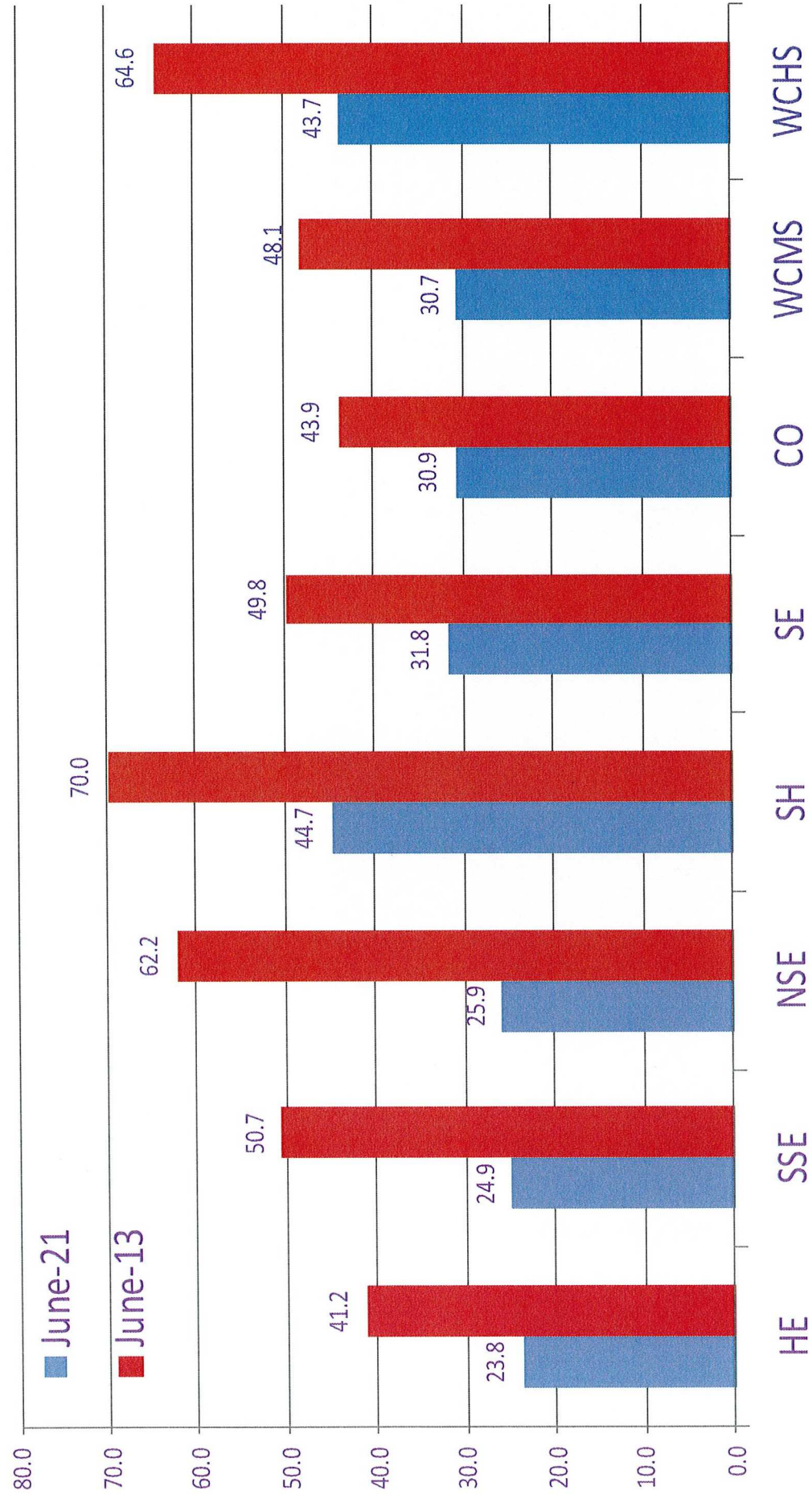
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) June-21	Rating (1-100) June-13	Energy Use kbtu/sq ft May-21	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	91	49	23.8	41.2	-42.2%
Southside Elementary	89	34	24.9	50.7	-50.9%
Northside Elementary	88	20	25.9	62.2	-58.4%
Safe Harbor	92	47	44.7	70.0	-36.1%
Simmons Elementary	72	31	31.8	49.8	-36.1%
Central Office	75	50	30.9	43.9	-29.6%
Woodford County Middle School	84	47	30.7	48.1	-36.2%
Woodford County High School	80	45	43.7	64.6	-32.4%
Group Total	83	41	32.9	53.8	-38.8%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)



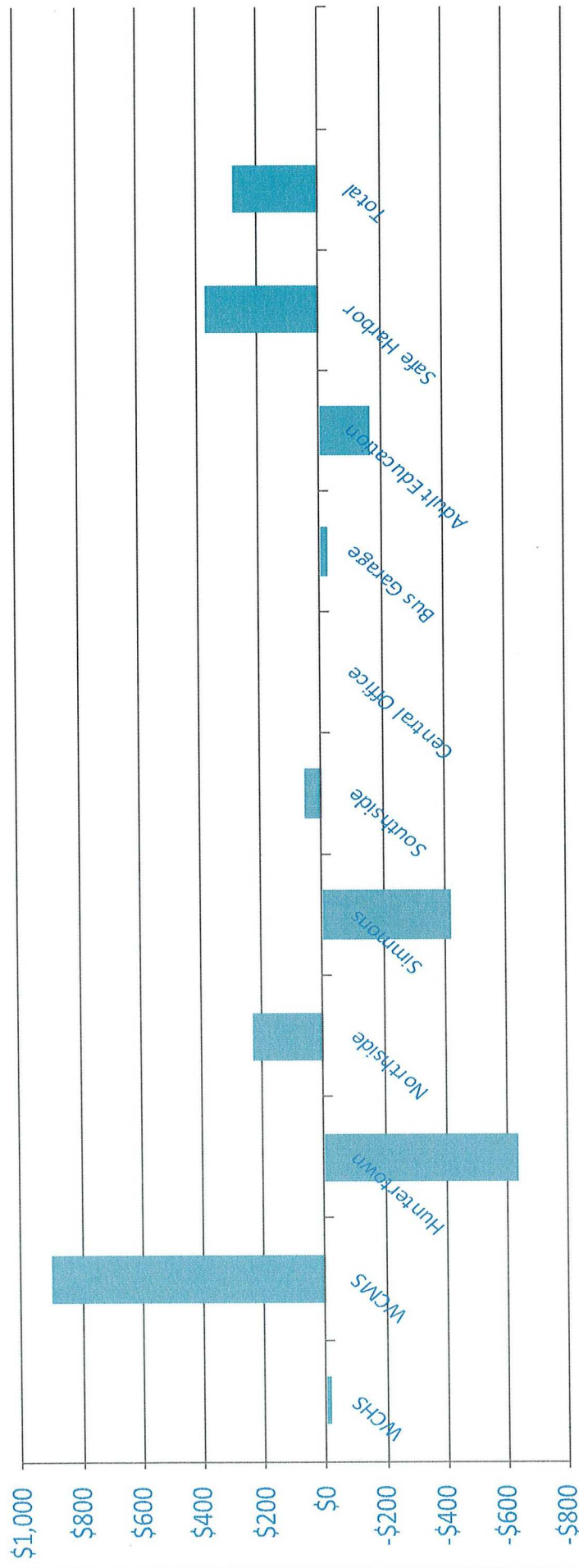


Woodford County Schools Energy Management Report July 2021

School Facility	July					2021 - 2022 YTD Results				
	2020 Actual Kwh	2021 Actual Kwh	% Reduction	Position	\$ Cost Change	2020-21 Actual Kwh	2021-22 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	127,702	127,538	0.1%	5	-\$19	127,702	127,538	0.1%	5	-\$19
WCMS	83,040	90,960	-9.5%	9	\$898	83,040	90,960	-9.5%	9	\$898
Huntertown	38,000	32,400	14.7%	2	-\$635	38,000	32,400	14.7%	2	-\$635
Northside	25,840	27,840	-7.7%	8	\$227	25,840	27,840	-7.7%	8	\$227
Simmons	40,080	36,360	9.3%	3	-\$422	40,080	36,360	9.3%	3	-\$422
Southside	28,613	29,086	-1.7%	7	\$54	28,613	29,086	-1.7%	7	\$54
Central Office	12,240	12,240		6	\$0	12,240	12,240		6	\$0
Bus Garage	6,796	6,565	3.4%	4	-\$26	6,796	6,565	3.4%	4	-\$26
Adult Education	3,898	2,418	38.0%	1	-\$168	3,898	2,418	38.0%	1	-\$168
Safe Harbor	4,089	7,353	-79.8%	10	\$370	4,089	7,353	-79.8%	10	\$370
Total	370,298	372,760	-0.7%		\$279	370,298	372,760	-0.7%		\$279

Electrical Energy Cost Comparison to Last Year

July 2021 - July 2021 \$ Cost Change



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