

**WOODFORD COUNTY BOARD OF EDUCATION  
AGENDA ITEM**

**ITEM #:** XII C **DATE:** June 25, 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



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# Woodford County Schools Energy Management Package

June 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		\$26,018	\$26,018
Consumption Savings Prior Years		\$1,474,862	\$1,474,862
Consumption Savings Current Year		\$317,171	\$317,171
Energy Projects Prior Years	\$49,887		\$49,887
Energy Projects Current Year	\$1,381		\$1,381
<b>Total</b>	<b>\$51,268</b>	<b>\$1,939,332</b>	<b>\$1,990,600</b>

# Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Apr-19	Rating (1-100) June-13	Energy Use kbtu/sq ft Apr-19	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	86	49	27.6	41.2	-33.0%
Southside Elementary	77	34	34.2	50.7	-32.5%
Northside Elementary	74	20	34.2	62.2	-45.0%
Safe Harbor	79	47	57.1	70.0	-18.4%
Simmons Elementary	64	31	36.9	49.8	-25.9%
Central Office	64	39	32.8	43.9	-25.3%
Woodford County Middle School	77	47	36.1	48.1	-24.9%
Woodford County High School	68	45	53.4	64.6	-17.3%
<b>Group Total</b>	<b>74</b>	<b>41</b>	<b>40.0</b>	<b>53.2</b>	<b>-24.8%</b>

# Woodford County Energy Star Portfolio Manager Rating



# Woodford County EUI (kbtu/sq.ft./)



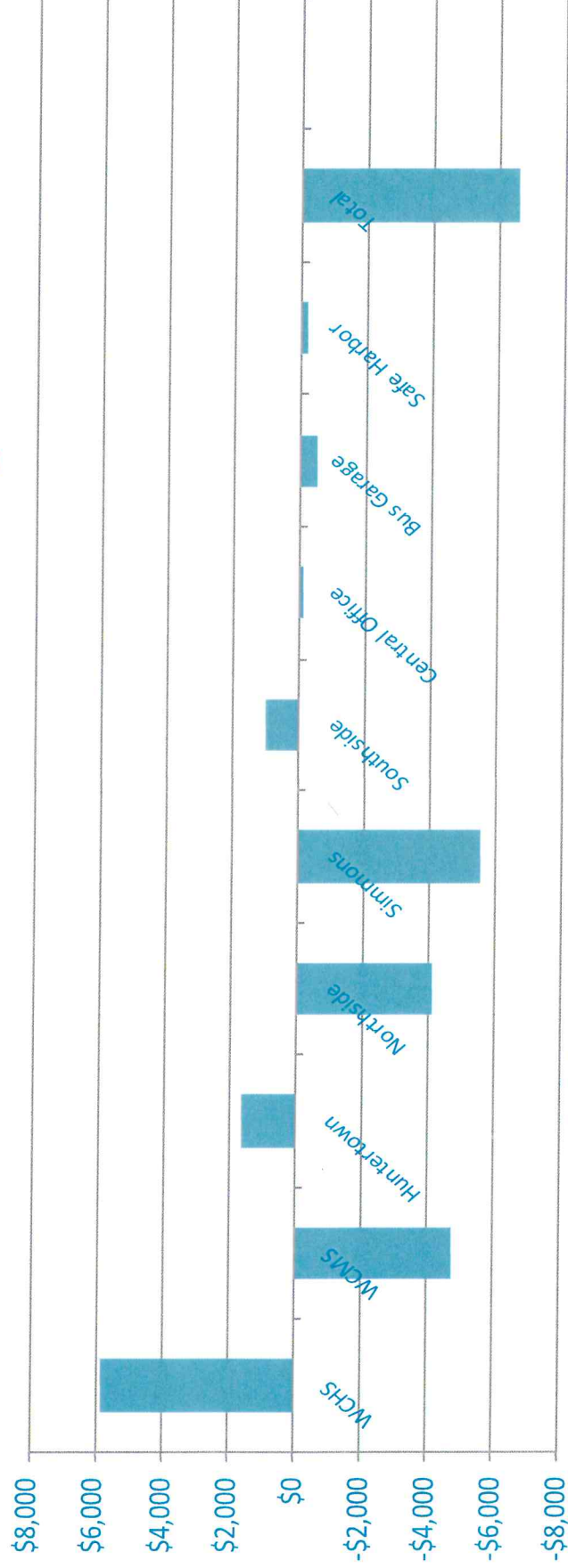


# Woodford County Schools Energy Management Report June 2019

School Facility	June						2018 - 2019 YTD Results					
	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	142,543	128,002	10.2%	3	-\$1,490	1,650,524	1,710,488	-3.6%	9	\$5,907		
WCMS	125,280	108,240	13.6%	2	-\$1,746	1,389,680	1,341,360	3.5%	4	-\$4,760		
Huntertown	38,400	39,200	-2.1%	9	\$82	534,000	550,800	-3.1%	8	\$1,655		
Northside	36,400	27,040	25.7%	1	-\$959	560,840	519,200	7.4%	2	-\$4,102		
Simmons	47,640	45,720	4.0%	5	-\$197	702,600	646,560	8.0%	1	-\$5,520		
Southside	42,880	42,016	2.0%	6	-\$89	577,984	588,367	-1.8%	7	\$1,023		
Central Office	12,420	12,420		7	\$0	188,100	186,840	0.7%	6	-\$124		
Bus Garage	6,439	6,534	-1.5%	8	\$10	87,786	83,039	5.4%	3	-\$468		
Safe Harbor	7,701	7,121	7.5%	4	-\$59	97,718	95,944	1.8%	5	-\$175		
<b>Total</b>	<b>459,703</b>	<b>416,293</b>	<b>9.4%</b>		<b>-\$4,447</b>	<b>5,789,232</b>	<b>5,722,598</b>	<b>1.2%</b>		<b>-\$6,564</b>		

# Electrical Energy Cost Comparison to Last Year

## July 2018 - June 2019 \$ Cost Change



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