

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** July 14, 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:

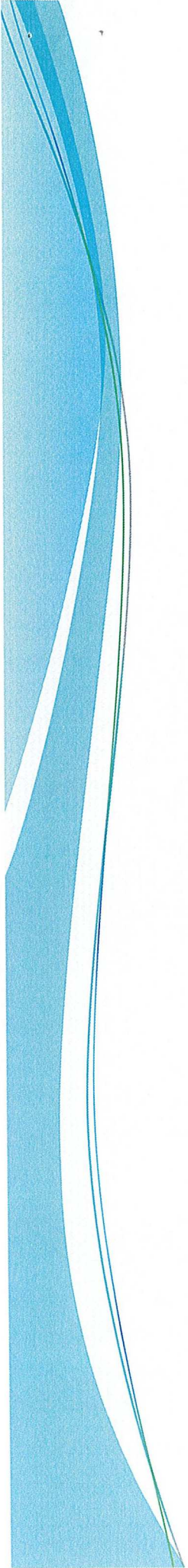
SUMMARY OF MAJOR ELEMENTS:

Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

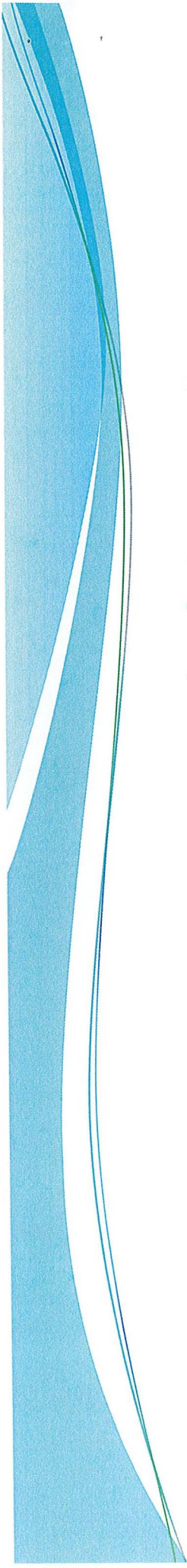
TIMETABLE FOR FURTHER REVIEW OR ACTION:

SUPERINTENDENT'S RECOMMENDATION: ☐ Recommended ☐ Not Recommended



Woodford County Schools Energy Management Package

June 2020



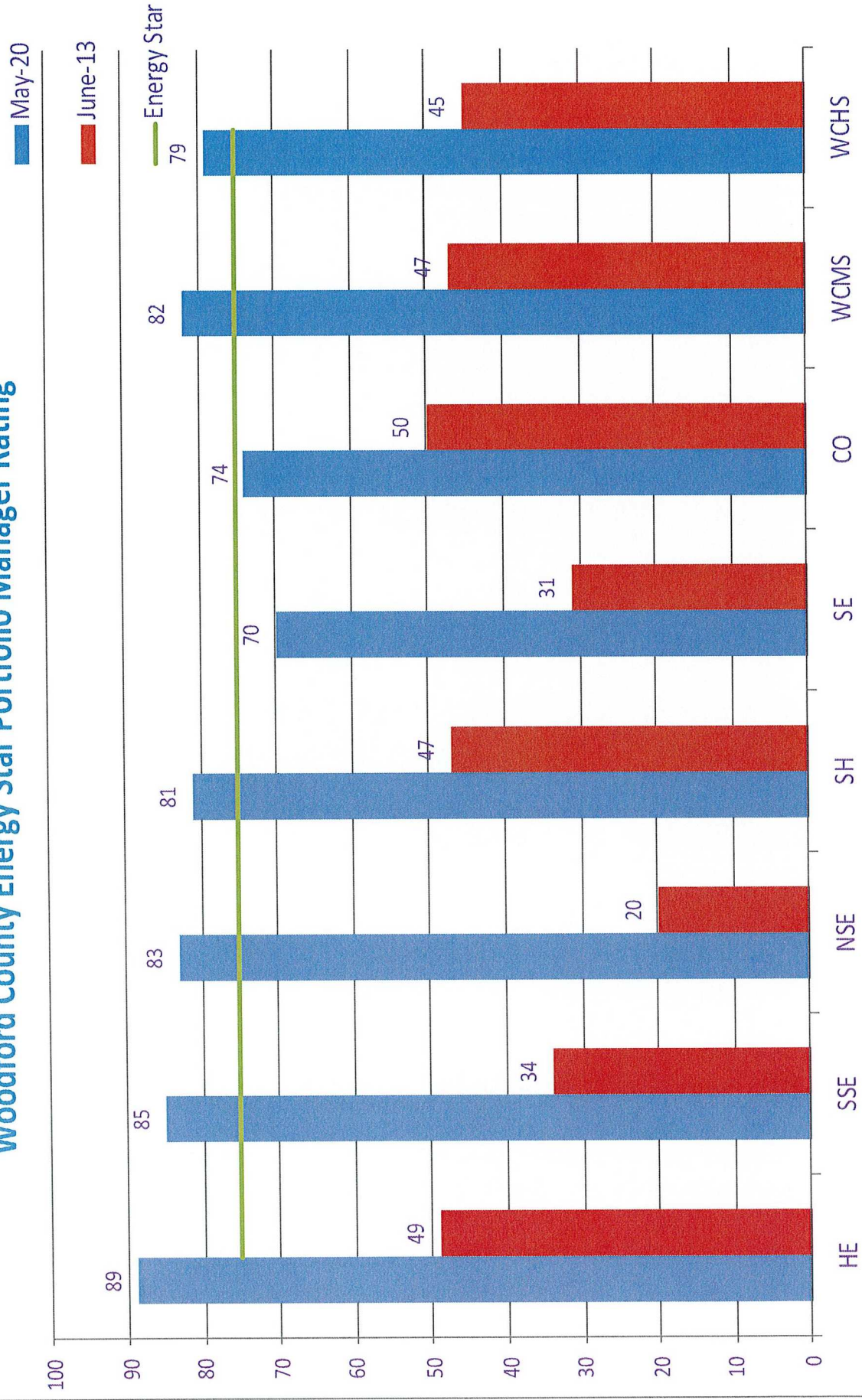
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$147,299	\$147,299
Rate Change Savings Current Year		\$51,103	\$51,103
Consumption Savings Prior Years		\$1,794,103	\$1,794,103
Consumption Savings Current Year		\$450,283	\$450,283
Energy Projects Prior Years	\$51,268		\$51,268
Energy Projects Current Year	\$3,611		\$3,611
Total	\$54,879	\$2,442,788	\$2,497,667

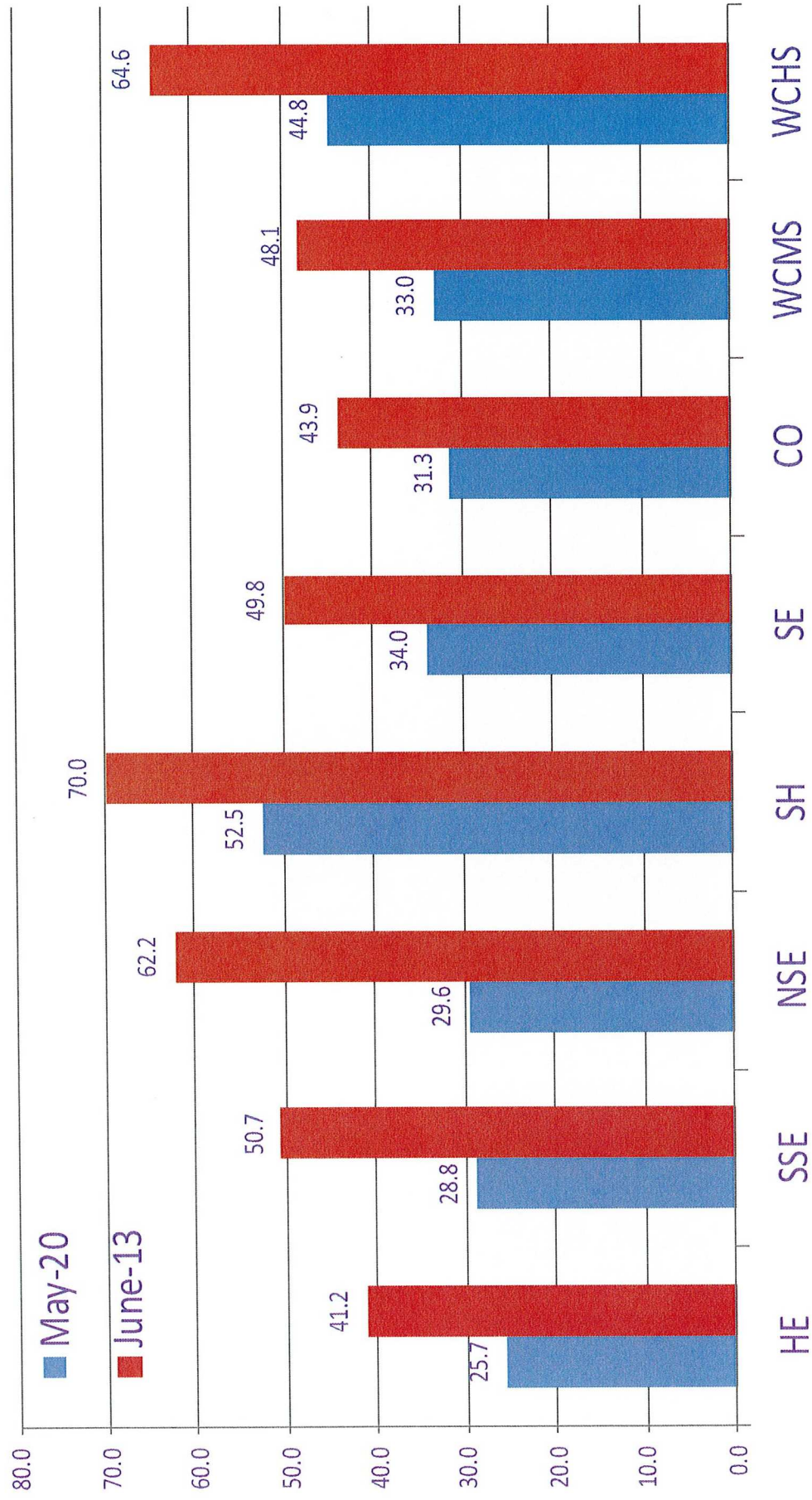
Woodford County Energy Star Portfolio Manager Ratings

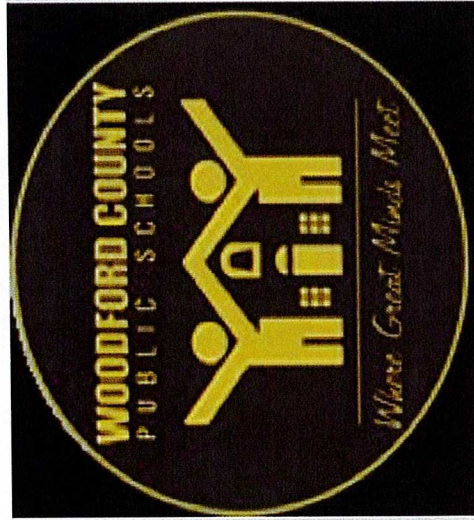
Facility Name	Rating (1-100) May-20	Rating (1-100) June-13	Energy Use kbtu/sq ft May-20	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	89	49	25.7	41.2	-37.6%
Southside Elementary	85	34	28.8	50.7	-43.2%
Northside Elementary	83	20	29.6	62.2	-52.4%
Safe Harbor	81	47	52.5	70.0	-25.0%
Simmons Elementary	70	31	34.0	49.8	-31.7%
Central Office	74	50	31.3	43.9	-28.7%
Woodford County Middle School	82	47	33.0	48.1	-31.4%
Woodford County High School	79	45	44.8	64.6	-30.7%
Group Total	81	41	35.2	53.8	-34.6%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

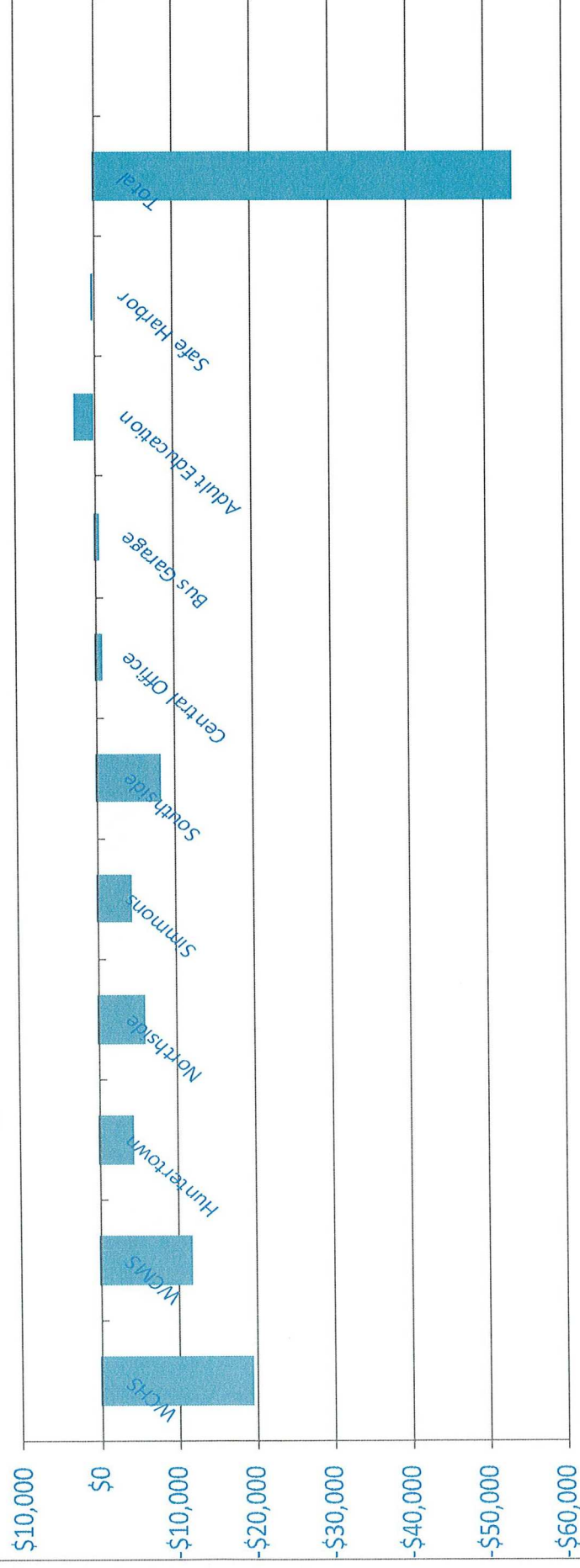
Energy Management Report

June 2020

School Facility	June						2018 - 2019 YTD Results			
	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	131,902	110,622	16.1%	8	-\$2,438	1,714,388	1,537,285	10.3%	3	-\$19,606
WCMS	108,240	78,240	27.7%	4	-\$3,437	1,341,360	1,233,120	8.1%	4	-\$11,982
Huntertown	39,200	28,200	28.1%	3	-\$1,260	550,800	509,800	7.4%	5	-\$4,539
Northside	27,040	21,040	22.2%	5	-\$687	519,200	464,160	10.6%	2	-\$6,093
Simmons	45,720	37,800	17.3%	6	-\$907	634,680	594,600	6.3%	6	-\$4,437
Southside	42,016	26,867	36.1%	2	-\$1,736	588,367	513,270	12.8%	1	-\$8,313
Central Office	12,420	12,420		9	\$0	186,840	178,380	4.5%	8	-\$937
Bus Garage	6,534	5,454	16.5%	7	-\$124	83,119	78,167	6.0%	7	-\$548
Adult Education	1,999	3,742	-87.2%	10	\$200	19,926	43,707	-119.3%	10	\$2,633
Safe Harbor	7,121	2,522	64.6%	1	-\$527	95,944	96,552	-0.6%	9	\$67
Total	422,192	326,907	22.6%		-\$10,918	5,734,624	5,249,041	8.5%		-\$53,755

Electrical Energy Cost Comparison to Last Year

July 2019 - June 2020 \$ Cost Change



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