

Cenergistic®

Energy Conservation Program Board Update

Montgomery Independent School District
May 2021 – January 2022



May 2021 to Jan 2022

Energy Program Update

Montgomery ISD
(MISD)



Total Cost Avoidance

\$731,598

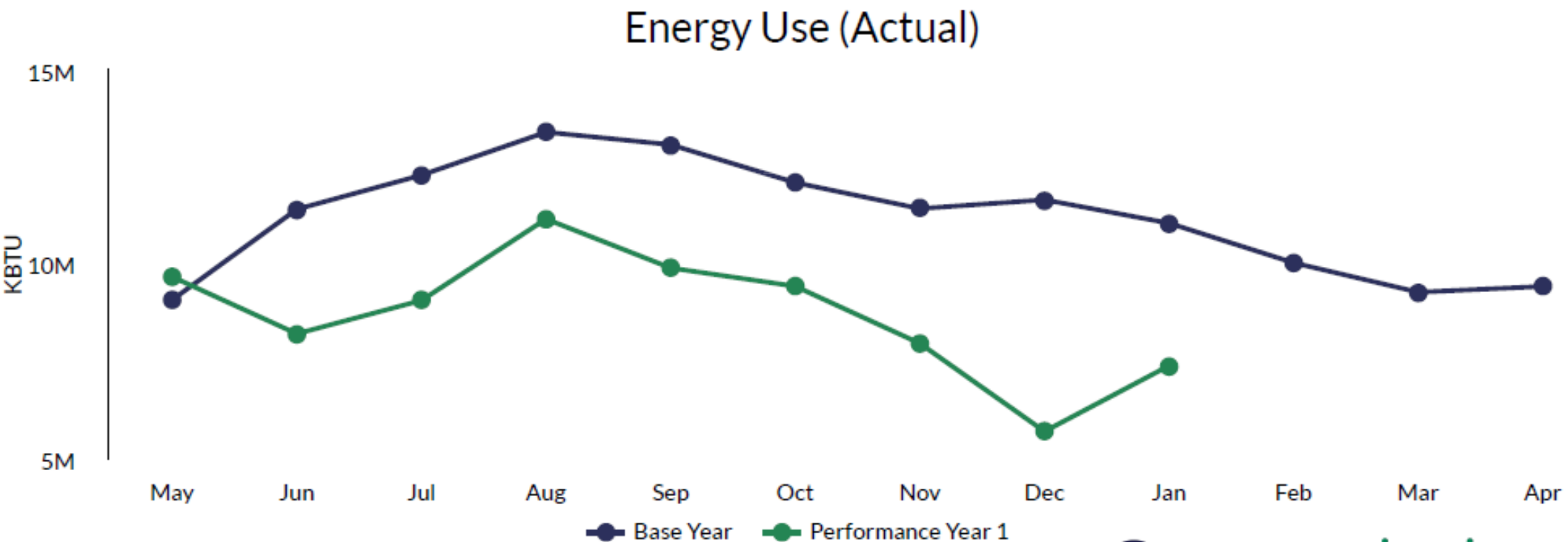
Cost Avoidance measures the impact of the energy program on utility consumption and cost when independent variables such as weather, unit cost, etc. are factored in.

19.3% overall savings

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Energy Usage Trend

The energy saved since the beginning of the program would be enough to run all Elementary Schools in that same timeframe.

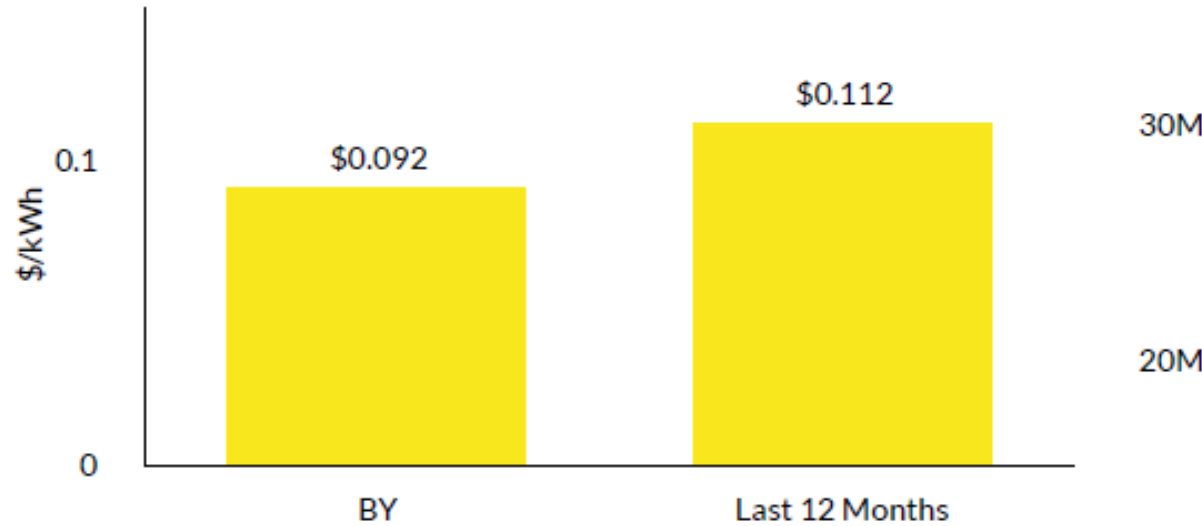


Cost Per Unit Impact

The current rate for electricity would have increased the last 12 month's utility spend for MISD by an additional **\$629,983** had usage been at base year levels.

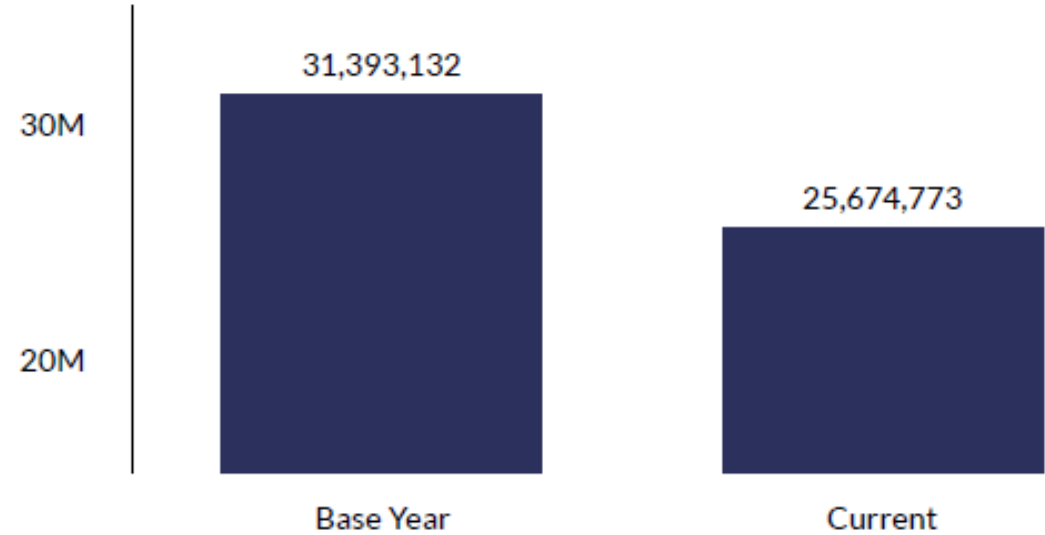
However, even with this increase the district is still spending less than it did in the base year.

Electricity Unit Cost



▲ 21.7%

Annual Electricity Use



▼ 18.2%



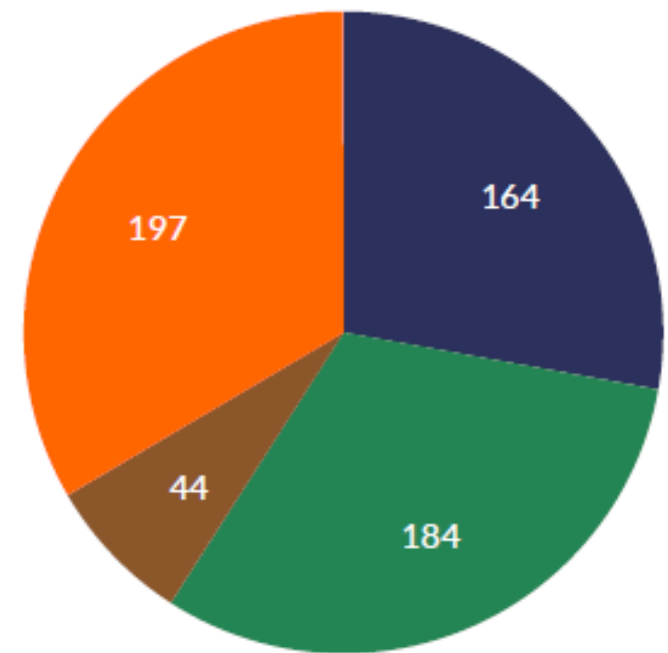
Audits

Your Cenergistic Energy Specialist (CES) has conducted 589 audits of MISD buildings since May 2021. The majority of a CES' time should be spent in buildings to ensure minimal energy waste.

589 Audits

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- Occupied (27.84%)
- Unoccupied (31.24%)
- Setback (7.47%)
- EMS/Other (33.45%)



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Energy Use Intensity (EUI)

69.1

Base Year

EUI measures an organization's energy use per square foot.
MISD has decreased EUI by **20.5%**

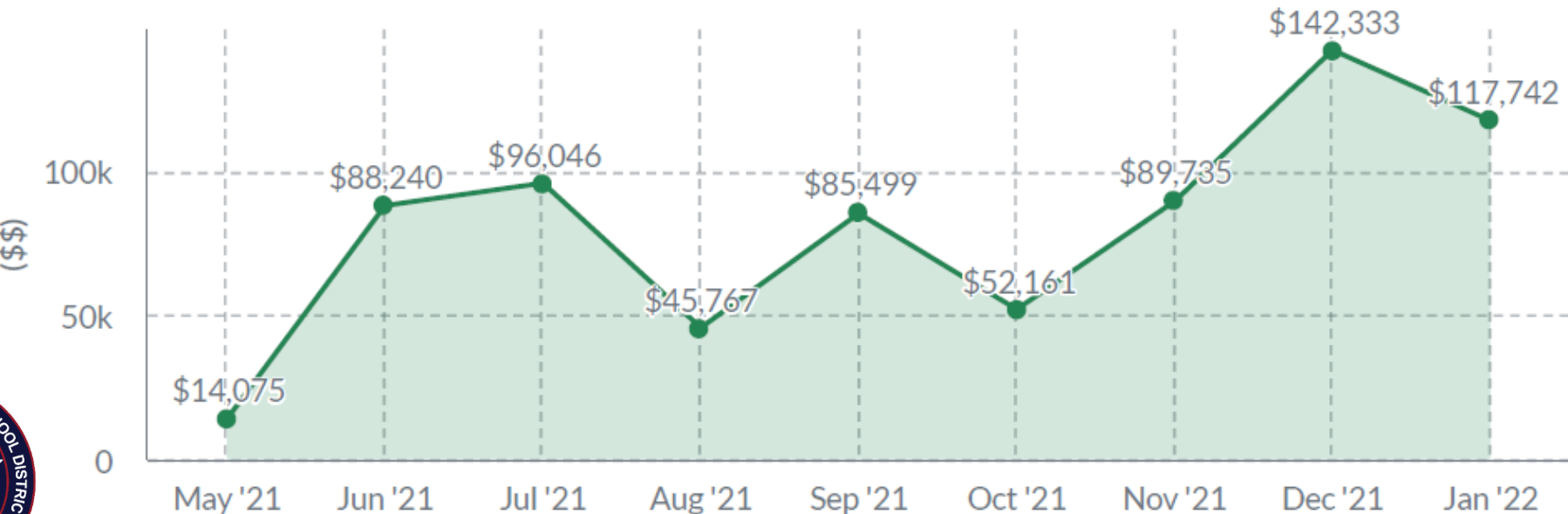
54.9

Current

Cost Avoidance Meters Only

Cost Avoidance (CA)

Monthly Cost Avoidance



Environmental Impact

Amount of energy reduced by MISD since the beginning of program for electricity and natural gas is equivalent to:



26,979,773 KBTU

Energy Reduction Impact



4,447

Metric Tons of CO2



4,915,573

Pounds of Coal Burned



540,986,406

Number of smartphones charged



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Thank you for your partnership!

