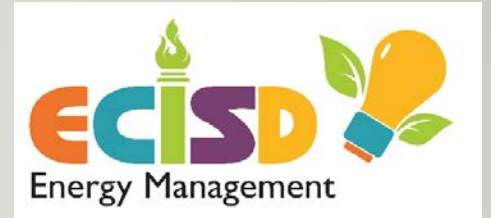


# DISTRICT OPERATIONS ENERGY MANAGEMENT

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KYLE BROWN

KELLY BUCHANAN

# ENERGY SPECIALISTS

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- Kyle Brown – Director of Custodial Services and Energy Management
- Kelly Buchanan – Energy Specialist



# PROGRAM OVERVIEW

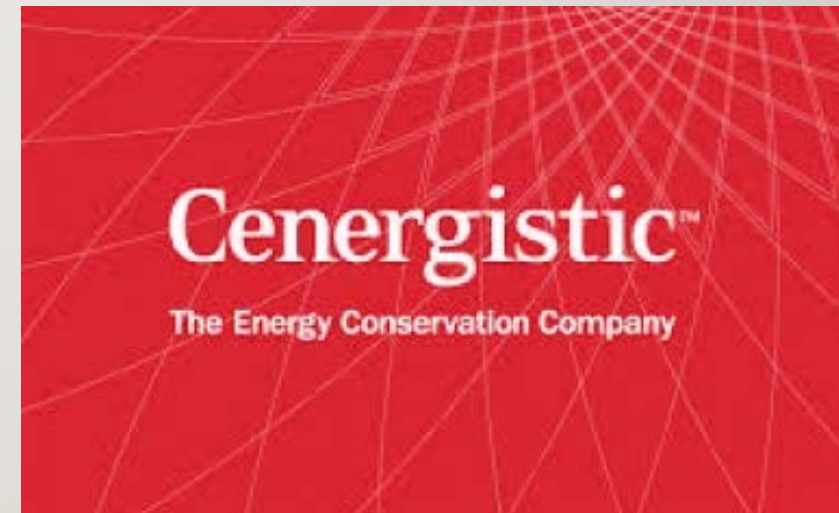
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- May 2012 – Contracted with Energy Education\* for 5 years.

- Program Goal




- Program Success



# HOW DO WE SAVE ON UTILITY COSTS

- Behavior change and staff participation (very supportive)
- Shutdowns
- Proper event scheduling
- Equipment replacement
- Building and bill audits
- Work closely with ECISD Facilities and the work order process
- ***Ensure a comfortable learning environment above all***
- SAVINGS IS USED IN OTHER AREAS BY THE DISTRICT



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### Summer Shutdown TEACHER Checklist

Teacher \_\_\_\_\_ Room # \_\_\_\_\_

**\*\*Teachers should ensure that the following items have been complete before leaving for the day on May 22, 2020 or prior to leaving for the summer break.**

\_\_\_\_ Thermostats on Continuous Unoccupied for 70 days.  
\_\_\_\_ Computers are UNPLUGGED.

**Unplug ALL electrical devices possible:**

- \_\_\_\_ Monitors, printers, speakers, etc.
- \_\_\_\_ Document Cameras
- \_\_\_\_ Televisions
- \_\_\_\_ Radios, CD players, DVD players and VCR's
- \_\_\_\_ Clocks, Lamps and Candle Warmers
- \_\_\_\_ Microwaves
- \_\_\_\_ Small Refrigerators – defrost & take home personal refrigerators (school owned unplugged)
- \_\_\_\_ Office Equipment (laminators, copiers, fax machines, etc.) that will not be in use

\_\_\_\_ **Take home personally owned animals, including fish in classroom aquariums.** *Remember that the air conditioning will be reduced during the summer, so leaving animals may endanger their health.*

\_\_\_\_ **Take home ALL personal appliances.**

\_\_\_\_ Leave network equipment in mechanical/electric rooms, alarms and security camera equipment plugged in and on.

\_\_\_\_ Close blinds or other window coverings.

**It is no longer necessary to print this checklist but it is your responsibility to ensure that all items listed are unplugged for your classroom/area.**

Teacher Signature \_\_\_\_\_

# UTILITY COST AND BUDGET


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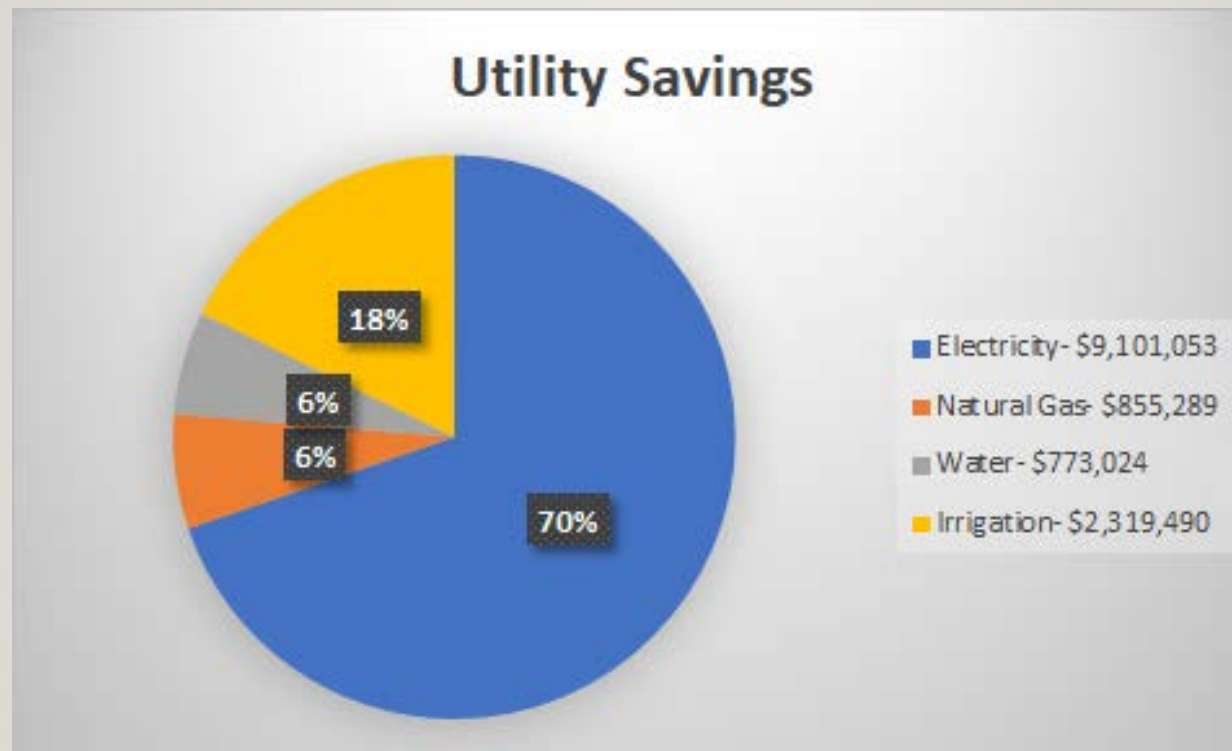
- Budget \$6,000,000 approx.
  - Electric – \$4,200,000
  - Water/Sewer - \$1,600,000
  - Gas - \$330,000
- Number of Meters – 426 Total
  - Electric (123)
  - Water/Sewer (216)
  - Gas (87)



# HOW IS SAVINGS CALCULATED

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- Baseline = 2011-2012 Annual Utility Costs
-  ENERGYCAP®
- Savings \$\$\$ is updated on the ECISD Energy Management website.



- Summer and holidays provide the greatest opportunity for savings.

## COST AVOIDANCE (SAVINGS) DOLLARS AND PERCENTAGE

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- Average annual savings: **\$1,649,941**
- Total savings over last 8 years: **\$13,199,532**
- Percentage of Savings: **26%**





QUESTIONS?