



Semi-Annual UTILITY Report – July 2021 to June 2022

Paul Andress – Executive Director of Operations – DISD

Angela Alfonso – Utility Specialist – DISD

Arnoldo Villarreal – Project Manager – TD

Brian Lillard - Vice President - TD

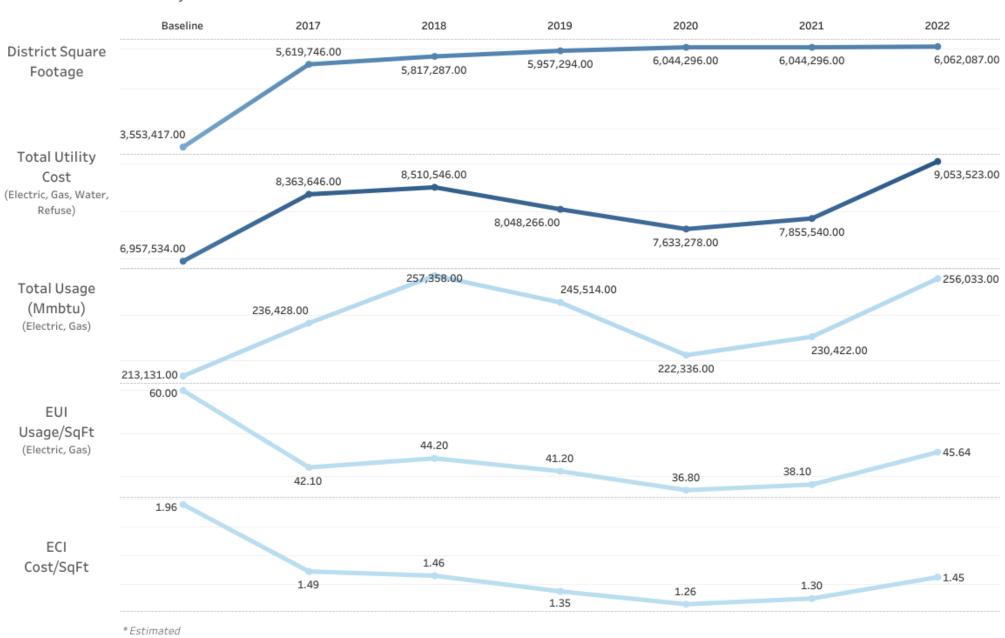
Daniel Wine – Account Manager – TD

Brandon Hoke, P.E. - Engineering - TD

Donna Kisor, P.E. – Engineering – TD

Utility Performance Trends

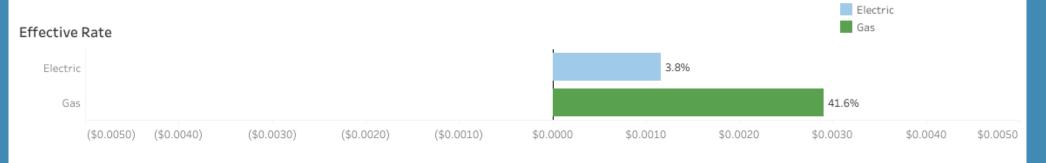




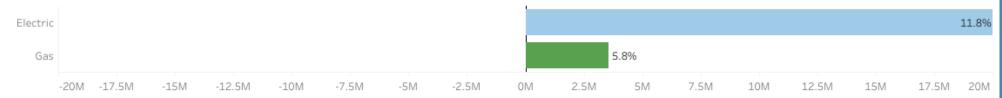
Comparison by Utility

| Total | \$7,869,657 | \$9,053,523 | 15.04% | \$1,183,866 |
|---------------------------------|----------------------|----------------------|----------|------------------|
| Refuse | \$837,570 | \$907,133 | 8% | \$69,564 |
| Potable, Sewer & Storm Water | \$915,444 | \$884,445 | -3% | (\$31,000) |
| Irrigation Water | \$528,059 | \$627,531 | 19% | \$99,473 |
| Gas | \$428,322 | \$641,611 | 50% | \$213,289 |
| Electric | \$5,160,261 | \$5,992,802 | 16% | \$832,541 |
| | July 2020 - Jun 2021 | July 2021 - Jun 2022 | % Change | Cost Change (\$) |

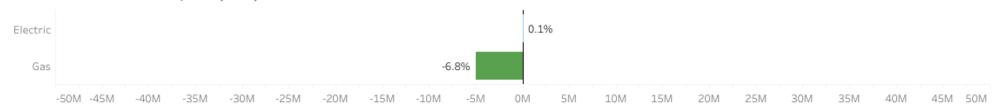
All Schools Energy Performance Change Compared To Last Year



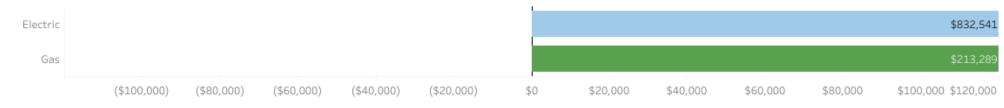
Consumption (kBtu)

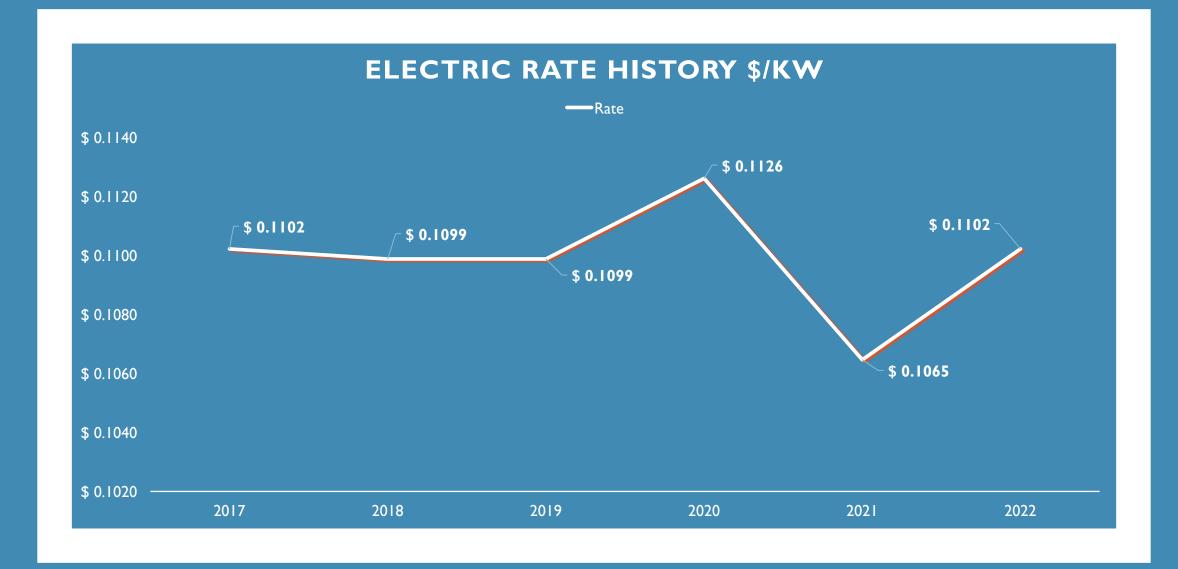


Weather Normalized Consumption (kBtu)



Cost





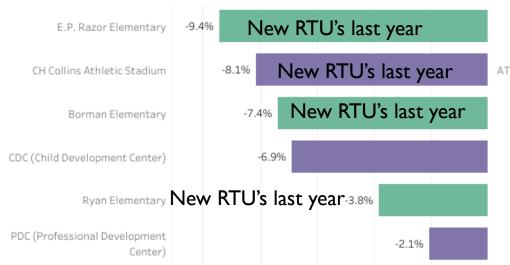


Electric - Top Performers

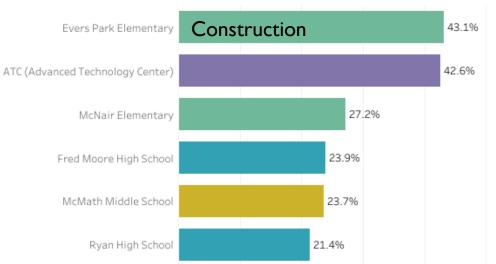
Opportunities



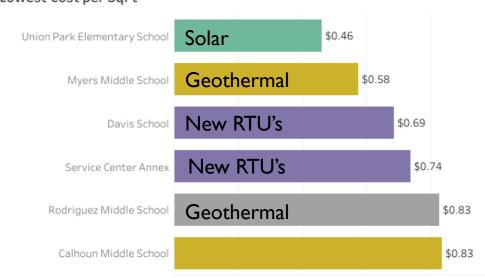




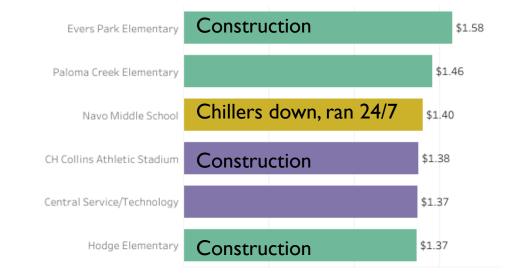




Lowest Cost per SqFt



Highest Cost per SqFt



SOLAR UPDATE - UNION PARK ELEMENTARY



Meter readings for February through October



RUNNING COST AVOIDANCE:

\$27,934.17

AVERAGE PER MONTH:

\$3,103.80



INSTALLATION COST OF SOLAR:

\$565,257

Simple Payback = 12-15 years

Years in Service = 3.25

THE SOLAR PROJECT TO DATE HAS HAD THE FOLLOWING IMPACTS:

(BASED ON 182,452.82 KWH OF ENERGY AVOIDANCE)

https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator



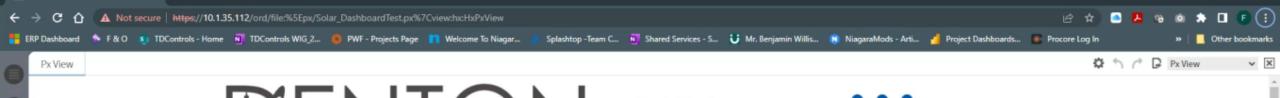
GENERATED THE SAME AS 16.3 HOMES ELECTRICITY USE



REMOVED **27.9** CARS OFF THE ROAD



REDUCED CARBON EMISSIONS BY 129 METRIC TONS OF CO2





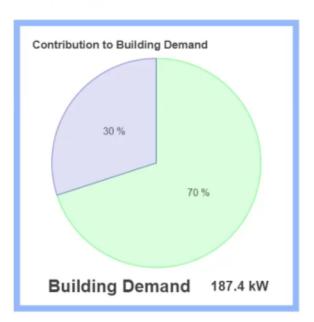
Main Dashboard Union Park Elementary Nette Shultz Elementary Sandbrock Ranch Elementary







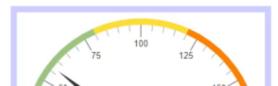
Px View



08-Nov-22 12:22 PM CST

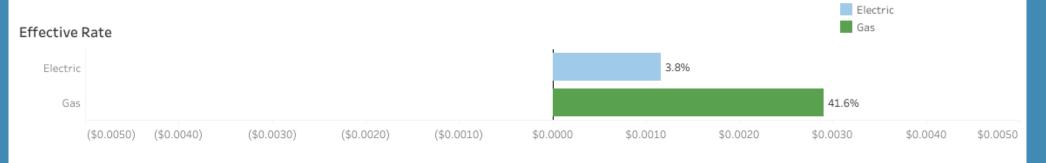




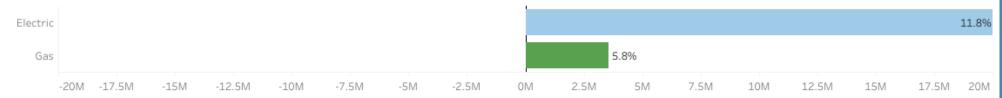




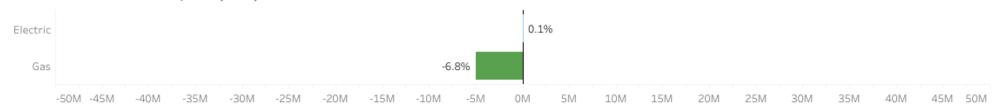
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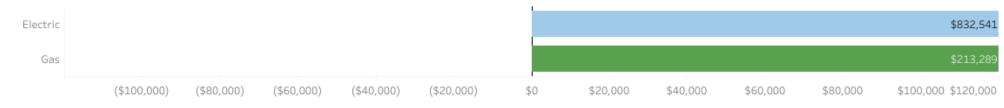
Consumption (kBtu)

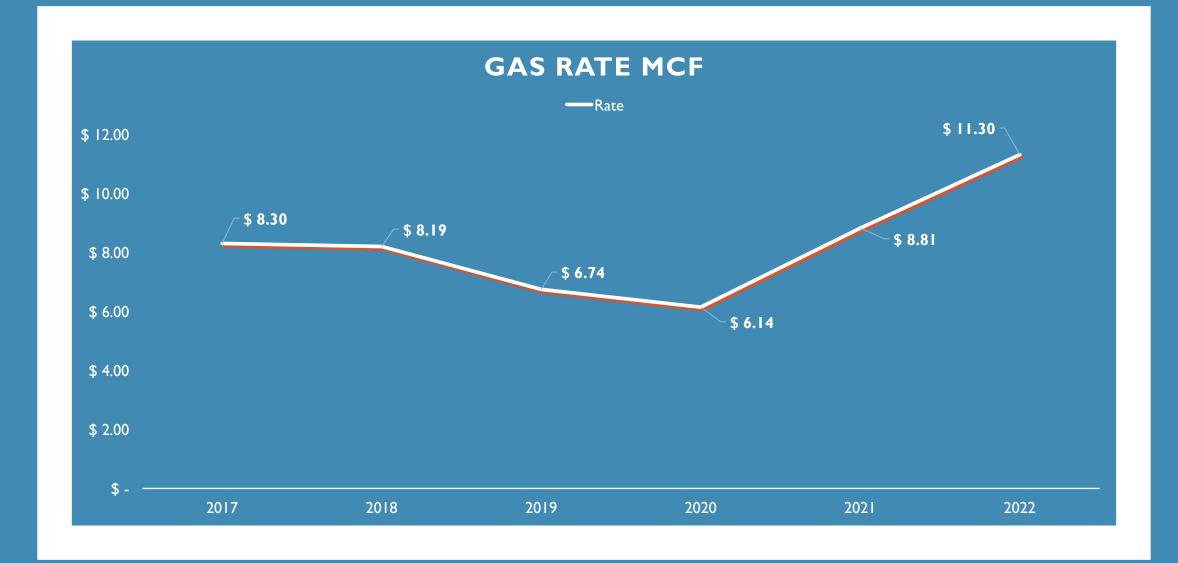


Weather Normalized Consumption (kBtu)



Cost





Texas Price of Natural Gas Sold to Commercial Consumers **▲** DOWNLOAD **Dollars per Thousand Cubic Feet** 15 1995 2000 2005 2010 2015 2020 — Texas Price of Natural Gas Sold to Commercial Consumers

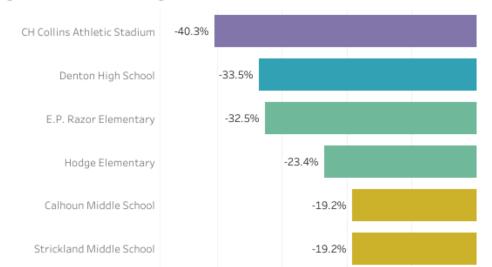
eia Source: U.S. Energy Information Administration

Gas - Top Performers

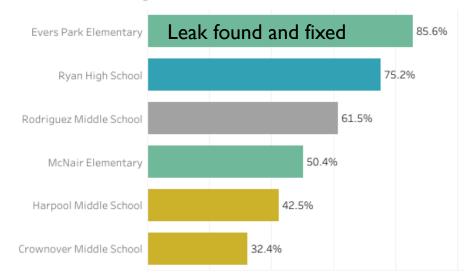
Opportunities



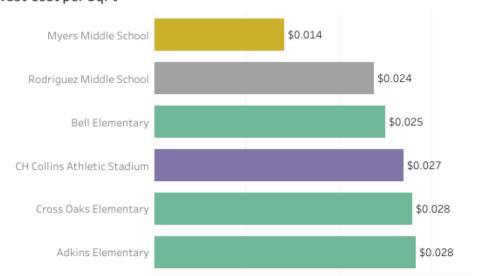




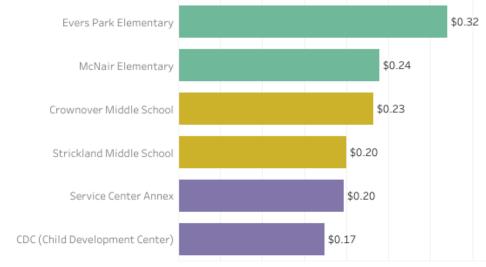
Highest % Increase in Usage







Highest Cost per SqFt



Water and Refuse Performance Change Compared To Last Year

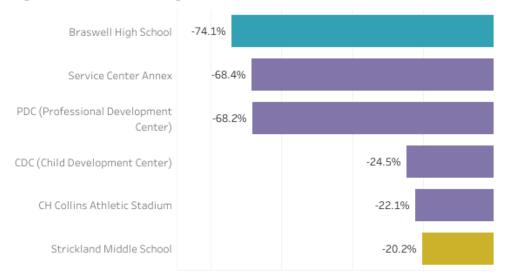


Potable Water - Top Performers

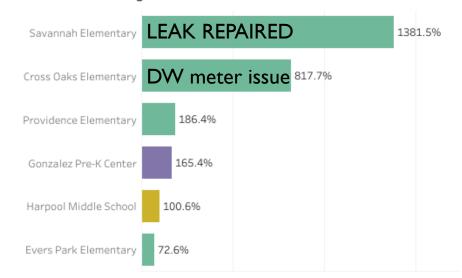
Opportunities



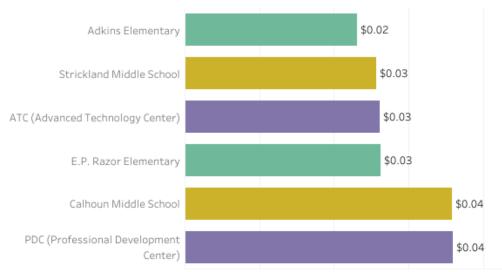




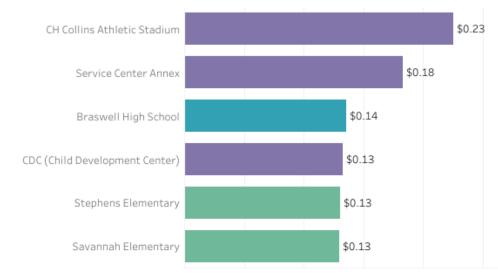
Highest % Increase in Usage



Lowest Cost per SqFt



Highest Cost per SqFt



Irrigation Water - Top Performers

Opportunities

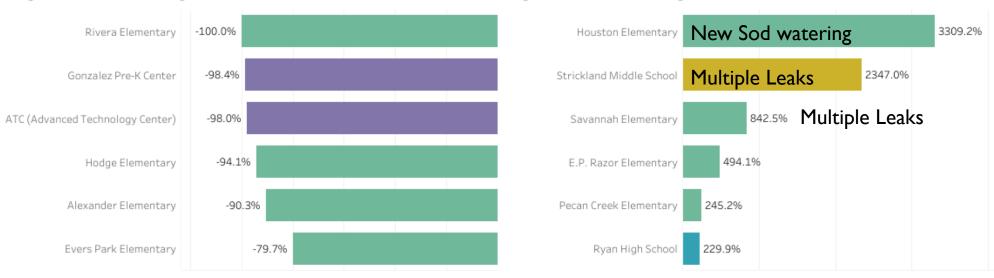


\$0.175

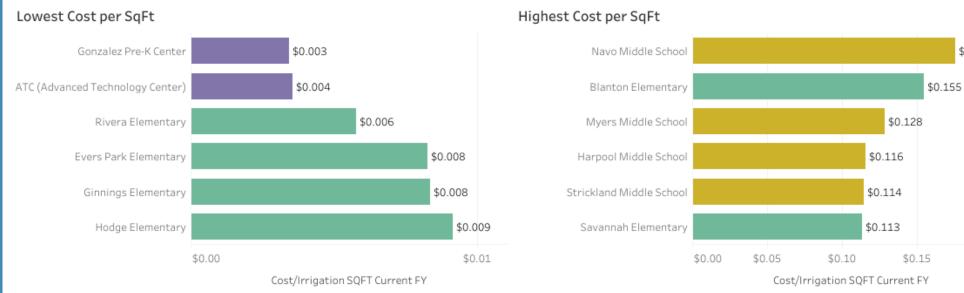
\$0.20







New Smart meter detection system works well once online



THINGS WE ARE DOING TO REDUCE COSTS

Audit All Schedules to ensure proper runtimes

Finishing Controls
Upgrades for 2018 Bond

Bi-weekly Reporting emails to catch leaks

RECENT ACCOMPLISHMENTS

Solar meter dashboard completed

Completion of mechanical equipment replacements from 2018 bond

LOOKING AHEAD

Fault detection software updates from Ryan HS

Onboarding (new) Denton High School and Sandbrock Elementary

Rate Increases at Mustang, Coserv

Energy Audit of Paloma Creek