



SEMI-ANNUAL UTILITY REPORT - JULY TO DEC. 2019

Paul Andress – Executive Director of Operations – DISD

Angela Alfonso – Utility Specialist – DISD

Arnoldo Villarreal – Project Manager – TD

Orland Hilliard, CEM – Account Manger – TD

Bob Wilken, CEM – Executive Account Manager – TD

Brandon Hoke – Engineering - TD



Comparison by Utility 6-month period actuals				
	July 2018 - December 2018	July 2019 - December 2019	% Change	Cost Change (\$)
Electric	\$3,007,051	\$3,060,412	2%	\$53,361
Gas	\$173,643	\$149,444	-14%	(\$24,199)
Irrigation Water	\$350,244	\$356,027	2%	\$5,783
Potable, Sewer & Storm Water	\$427,248	\$440,676	3%	\$13,429
Refuse	\$406,811	\$430,584	6%	\$23,773
Total	\$4,364,997	\$4,437,143	1.65%	\$72,146

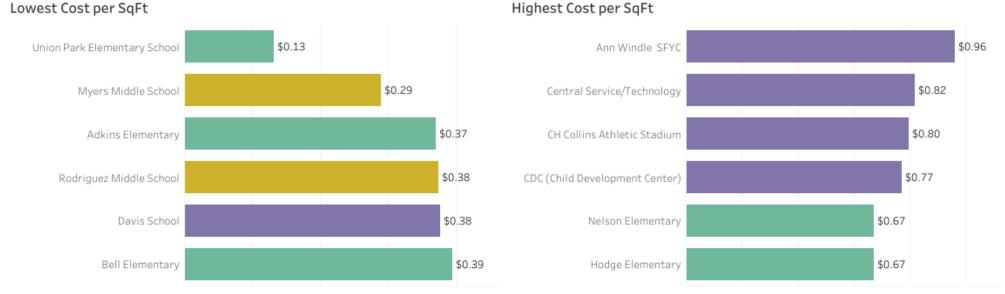
All Schools Energy Performance Change Compared To Last Year



Water and Refuse Performance Change Compared To Last Year



Auxiliary Electric - Top Performers Opportunities Elementary Schools Middle Schools High Schools Largest % Decrease in Usage Highest % Increase in Usage 14.9% Hodge Elementary -5.4% Navo Middle School 12.9% Evers Park Elementary -5.1% CH Collins Athletic Stadium Central Service/Technology -4.4%Crownover Middle School 11.7% -4.2% Rayzor Elementary 11.6% Alexander Elementary -3.3% CDC (Child Development Center) 11.2% Hawk Elementary Rodriguez Middle School -2.9% Davis School 11.1% Highest Cost per SqFt Lowest Cost per SqFt Union Park Elementary School \$0.13 \$0.96 Ann Windle SFYC \$0.29 \$0.82 Myers Middle School Central Service/Technology



Gas - Top Performers Largest % Decrease in Usage Hawk Elementary -100.0%

Evers Park Elementary

Navo Middle School

Service Center Annex

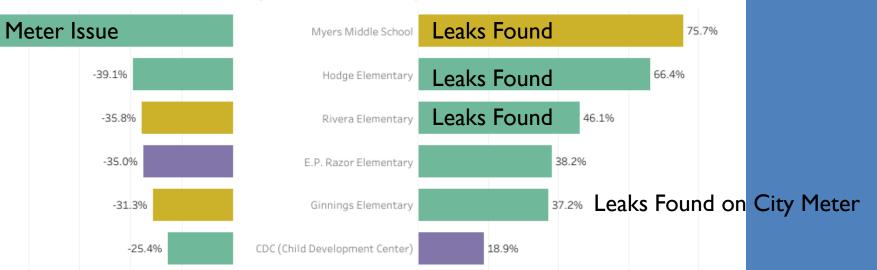
Strickland Middle School

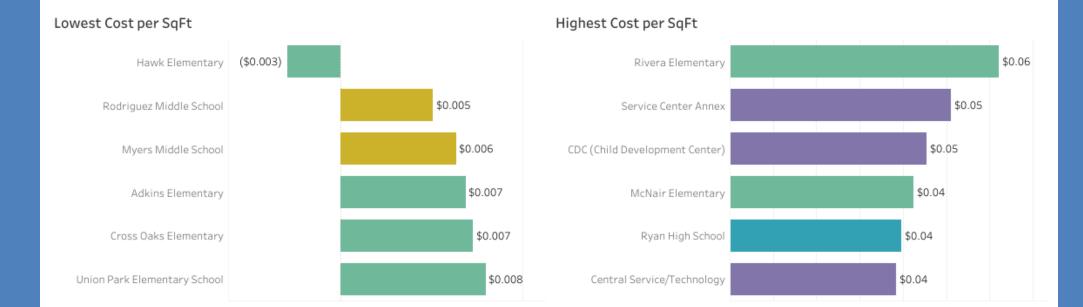
Stephens Elementary









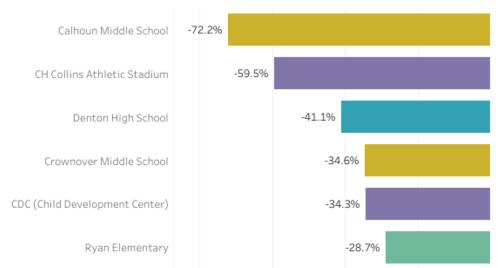


Potable Water - Top Performers

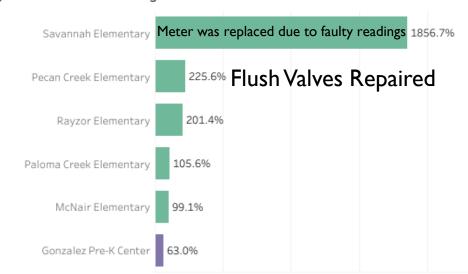
Opportunities



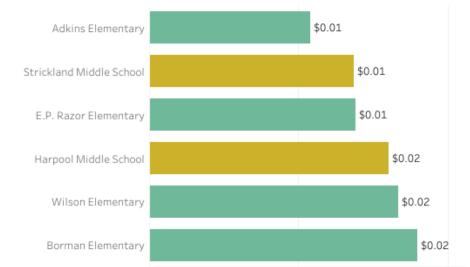




Highest % Increase in Usage



Lowest Cost per SqFt



Highest Cost per SqFt

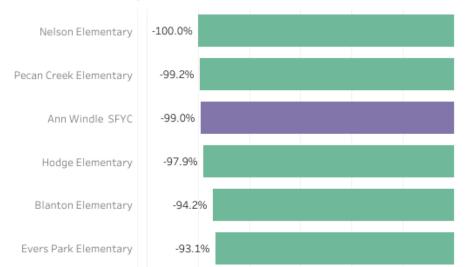


Irrigation Water - Top Performers

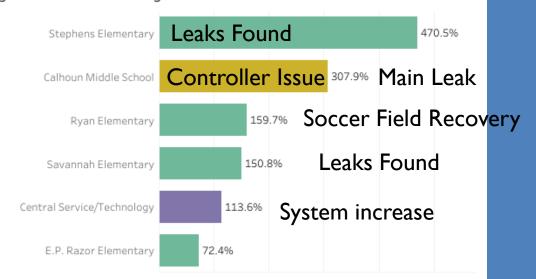
Opportunities



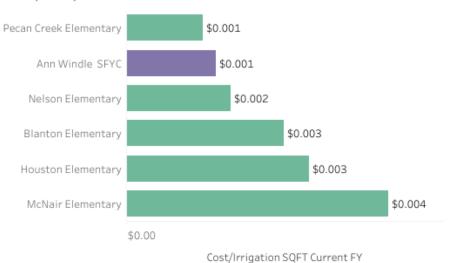




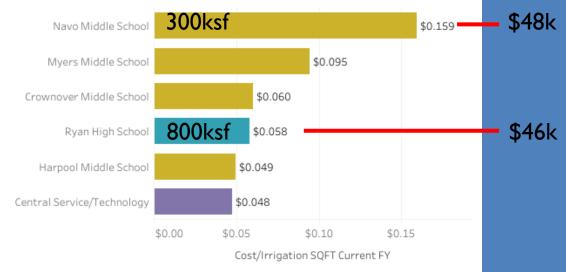
Highest % Increase in Usage



Lowest Cost per SqFt



Highest Cost per SqFt



RECENT ACCOMPLISHMENTS - SUMMARY

- I. Bi-weekly utility audits have continued to find items as outlined in report.
- 2. Irrigated land areas have been incorporated into utility database.
- 3. Nearing the completion of the controls of Ryan High School.

LOOKING AHEAD

- I. Incorporating the solar panels at Union Park into reporting.
- 2. Implementing VRF at Wilson and Strickland. Solar panels on Wilson.
 - I. Geothermal not a good option at these sites.
- 3. Controls system upgrades from INET to TRIDIUM (2018 Bond)
 - I. E.P. Rayzor, Ann Windle and Ginnings
- 4. Evaluating Ryan High School to ensure the new chiller systems are operating at peak and report on the savings. Based on the new controls being operational.
- 5. Perform a walk through energy audit on Navo Middle School to investigate any potential areas for improvement.