



Facility HVAC & Savings Improvement Plan

SMITHVILLE ISD

PRESENTED BY SCHNEIDER ELECTRIC

7/20/2026



One Partner to Simplify Outcome Achievement

Comprehensive Partnership



Guaranteed Price with No Change Orders



Project Priorities



Identify and Plan for Priority HVAC Replacements



Reduce Energy Usage & Costs



Leverage Savings to Help Offset HVAC Upgrades



Demonstrate Wise Financial Stewardship

Solutions Identified

	Smithville HS	Smithville JrHS	Smithville Elem	Brown Primary	Admin	Maintenance	Transportation
HVAC							
Unit Replacement							
Variable Speed Drives							
Building Automation							
Networked Controls							
Lighting							
Interior LED Retrofit							
HS Parking Lot Solution							
Building Envelope							
Window Replacement							
Envelope/Insulation							

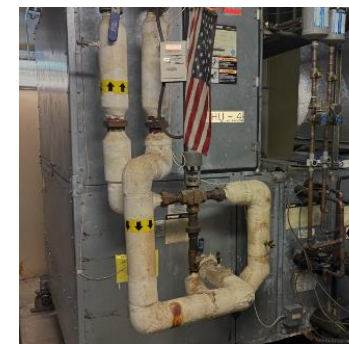
HVAC Replacement

Current Conditions

- Aging components prone to failure, increasing downtime and maintenance need. Faulty compressor & motor failures.
- Older units have lower energy efficiency ratings leading to higher energy consumption.
- High repair costs: Servicing older systems is costly due to limited availability of R-22 and compatible parts.

Developed Solutions

- Replace critical and end-of-life units at 6 campuses
- ~110 critical or end-of-life units across 6 campuses
- Install Variable Speed Drives on air handling units



Benefits



Reduced maintenance time and cost associated with repairs



Reduction in energy usage



Improved reliability of equipment

Building Automation System

Current Conditions

- Trouble with communication and limited support for troubleshooting issues at Brown
- Existing BAS at Brown is 20+ years old and needs to be updated.
- High energy use at Brown and High School

Developed Solutions

- Replace existing controls with open protocol, networked solution.
- Install BAS to control temperature, schedules, and limit excessive energy use.
- Recommission existing BAS to improve efficiency



Benefits



Cohesive, functional controls that reduce operational spend



Reduction in energy usage



Prolong the life of buildings and equipment

LED Lighting Retrofit

Current Conditions

- Partial LED upgrade remaining; T8 fluorescent fixtures are out of date, resulting in high utility and on-going repair costs
- Inconsistent light levels, temperatures, and manufacturers

Developed Solutions

- LED retrofits in classrooms, hallways, and publicly visible areas
- Upgrade HID lamps in gyms and parking lot fixtures between JHS and HS

~40% Fluorescent Area Remaining



Benefits



Quick payback and brings in additional \$\$ for HVAC



Reduction in energy use & maintenance expenses



Consistent, aesthetic lighting in all buildings on campus

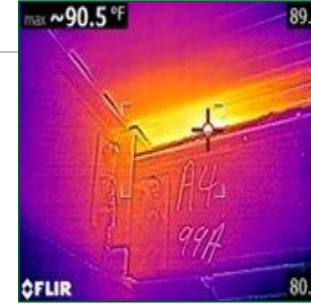
Building Envelope

Current Conditions

- Gaps at doors, windows, and roof-wall intersections allow outside air and humidity to enter, impacting indoor comfort and HVAC load
- Higher humidity levels contribute to wear on finishes, flooring, and equipment
- Windows in various areas on campus still single-pane (Brown & Admin)

Developed Solutions

- Seal off air leakage pathways to reduce outside air infiltration
- Enhance HVAC operations by reducing the amount of humid air entering attic spaces
- Replace windows to improve building aesthetics, pressurization, and energy usage



Benefits



Working cohesively with controls to limit air infiltration



Reduction in energy usage



Prolong the life of buildings and equipment

Utility Analysis and Financial Impact

Estimated 1st year Utility Savings

\$45,000 - \$55,000

Estimated 1st year O&M Savings

\$15,000 - \$20,000

Estimated Avg. Annual Savings

\$95,000 - \$120,000

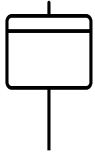
Capital that can be reinvested over
20-year partnership to fund needed upgrades*

\$1.9 – 2.4 M

*Based on baseline utility spend of \$265K

Marketing Outreach & Student Engagement

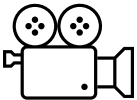
Sharing Your Good News Story



Custom project signage informs community about project benefits



Branding with a custom logo boosts project visibility and awareness



Promotional videos celebrating utility savings and reinvestment opportunities



Website content highlighting district improvements



Student engagement events educate students on energy efficiency



Construction kick-off events for administration and board members



Life Is On



Student Engagement Event

Smithville Elementary – Earth Day



Our Commitment to K12 Districts in Texas

Preferred Design-Build Partner



Abilene ISD
Abilene ISD Phase 2
Alvarado ISD
Alvin ISD
Aransas County ISD
Aubrey ISD
Azle ISD
Azle ISD Phase 2
Azle ISD Phase 3
Azle ISD Phase 4
Bandera ISD
Bay City ISD
Bay City ISD Phase II
Beeville ISD
Big Sandy ISD
Blanco ISD
Bowie ISD
Brazosport ISD
Breckenridge ISD
Breckenridge ISD Phase 2
Brock ISD
Brock ISD Phase 2
Brooks Co ISD
Brownsville ISD Phase 1
Brownsville ISD Phase 2
Canton ISD
Castleberry ISD
CCISD Phase III
CCISD Phase IV
Celina ISD TX
Center ISD
Chilton TX ISD

Chisum ISD
Clyde CISD
Clyde CISD Phase 2
Colorado ISD
Comanche ISD
Comanche ISD Phase II
Comanche ISD Phase III
Commerce ISD
Community ISD
Connally ISD
Corpus Christi ISD Phase I
Corpus Christi ISD Phase II
Crockett ISD
Detroit ISD
Eagle Mountain-Saginaw ISD
Edcouch-Elsa ISD
Edgewood ISD
El Campo ISD
Elgin ISD
Episcopal School of Dallas
Everman ISD
Fort Sam Houston ISD
Franklin ISD
Friendswood ISD
Gilmer ISD
Gladewater ISD
Graham ISD
Grand Prairie I
Grand Prairie II
Grand Saline ISD
Grape Creek ISD
Gregory-Portland ISD

Gunter ISD
Hardin-Jefferson ISD
Harmony ISD
Hays CISD
Highland Park ISD
Hitchcock ISD
Hudson ISD
Huffman ISD
Hughes Springs ISD
Hull-Daisetta ISD
Jacksonville ISD
Jasper ISD
Jefferson ISD
Keller ISD
Kerens ISD
Kilgore ISD
Kilgore ISD Phase II
Kingsville ISD
Kirbyville CISD
Kountze ISD
Krum ISD
Krum ISD Phase 2
La Feria ISD
La Marque ISD
La Pryor ISD
La Villa ISD
Leon ISD
Liberty Hill ISD
Lindale ISD
Linden-Kildare ISD
Linden-Kildare ISD Phase 2
Little Cypress Mauriceville CISD

Little Elm ISD
Livingston ISD TX
Longview ISD
Longview ISD Phase 2
Longview ISD Phase 3
Longview ISD Phase 4
Longview ISD Phase 5
Longview ISD Ph6 TX - Solar
Lubbock ISD
Luling ISD
Luling ISD Phase II
Magnolia ISD
McAllen ISD
Melissa ISD
Mercedes ISD
Merkel ISD
Mineola ISD
Mt Pleasant ISD
Navarro ISD
Needville ISD
Newton ISD
Nueces Canyon CISD
Olton ISD
Palacios ISD
Pearsall ISD
Peaster ISD
Pharr\SJ\Alamo ISD
Plainview ISD
Point Isabel ISD
Prairiland ISD
Premont ISD
Progreso ISD

Quitman ISD
Randolph ISD
Red Oak ISD
Redwater ISD
Region One Educ Svc Center
Rio Hondo ISD
Rivercrest ISD
Riviera ISD
Robinson ISD
Robinson ISD Phase 2
Roxton ISD
Royse City ISD
Royse City ISD
San Angelo ISD
San Felipe Del Rio CISD
San Felipe del Rio CISD Phase 2
Santa Rosa ISD
Santa Rosa ISD Phase 2
Schertz-Cibilo ISD
Schulenburg ISD
Scurry-Rosser ISD
Shallowater ISD
Sharyland ISD
Sheldon ISD
Skidmore-Tynan ISD
Splendora ISD
Spurger ISD
Spurger ISD Phase 2
Sweeney ISD
Sweetwater ISD
Taft ISD
Tarkington ISD

Thrall ISD
Timpson ISD
Tom Bean ISD
Tuloso Midway ISD
Uvalde CISD
Uvalde Phase II
Uvalde Phase III
Uvalde Phase IV
Valley View ISD
Van ISD
Waller ISD
Wallis-O (Brazos)
Weslaco ISD
West ISD
West ISD Phase 2
West Orange Cove CISD
White Oak ISD
White Oak ISD Phase 2
White Oak ISD Phase 3
White Oak ISD Phase 4
Whitehouse ISD
Wills Point ISD
Winters ISD
Yoakum ISD
Yoakum ISD Phase 2

34 Years

Serving K12 districts in Texas

#1 ESCO

Ranked by 3rd Party Research Company,
Guidehouse Insights for 8 years in a row!

90+

Repeat Clients across Texas

Projected Timeline

Moving Forward

