

## **Energy Program of the Year Nominee**

Klein ISD

Klein ISD operates a mature, policy-driven energy management program that sustains low EUI levels and was at 39.34 while expanding district facilities by more than 45%, generating millions in avoided costs and \$2.48M in incentives through disciplined operational practices and long-term stakeholder engagement.

### ***Direct Strategy & Governance:***

How did the program nominated lead the development and adoption of policies and other strategies and governance items within their organization in 2025?

The program operates under a formal district Energy Policy and a bi-annual Energy Committee that continuously reviews performance, aligns leadership decisions, and ensures consistent operational standards across all campuses, reducing operational and financial risk during changing grid and market conditions.

### ***Direct Technical Operations:***

Describe the audits, maintenance programs, and commissioning the program nominated oversaw. The program oversees continuous operational commissioning through HVAC scheduling by air handling unit, strict holiday schedules, RCx participation, and ongoing system optimization to maintain load control and prevent energy drift across the district's 9.6+ million square feet of facilities.

### ***Direct Financial & Resource Management:***

How did the program nominated manage budgets and negotiate contracts to benefit their organization, to include other relevant items under financial and resource management in 2025?

**(See Note 1 at end of document)**

### ***Direct Engagement & Education:***

How did the program nominated build a culture of energy awareness within their organization in 2025?

Through participation in SCORE, CLM, and ERS-30 demand response programs, the district secured incentive revenue while lowering utility cost per square foot and reinvesting savings into campus initiatives and efficiency improvements, strengthening long-term operating budgets.

### ***Please discuss or provide any additional information you find appropriate:***

- Further explain the energy program highlighting the need and purpose, and/or relevance to the organization
- Provide data (quantitative and qualitative) that highlights program success (e.g. EUI/ECI, avoided costs, relationship development, etc.) from 2024 and 2025

- Further exhibit how the program furthers the implementation of the 18 roles and responsibilities of an energy manager (informational website)
- Discuss your method or progress over time to achieve success and its future sustainability

#### Program Purpose and Value to Klein ISD

Klein Independent School District's Energy Management Program exemplifies disciplined stewardship of public resources through consistent operations, strong governance, and data-driven decision-making. The program is designed to reduce energy waste, control operating costs, protect facilities, and reinvest savings back into campuses which directly supports the district's educational mission while maintaining system reliability.

Energy management at Klein ISD is embedded into daily operations rather than treated as a collection of isolated projects. Through intentional scheduling practices, behavioral conservation strategies, and strategic participation in utility and demand-response programs, the district has established a culture of efficiency that is repeatable, scalable, and resilient.

The program is guided by a formal Energy Policy that establishes district-wide standards for energy use and operational expectations. This policy ensures continuity, reduces operational and financial risk, and provides long-term stability by maintaining consistent decision-making regardless of staffing changes, market volatility, or external events.

#### Demonstrated Success and Measurable Outcomes

Klein ISD's Energy Management Program has delivered sustained performance improvements over time, even as meaningfully expanding its facilities portfolio. Since the late 2000s, the district has grown from approximately 6.5 million square feet to more than 9.6 million square feet, representing significant campus expansion and increased operational complexity.

Despite this growth, Klein ISD has achieved and maintained a long-term downward trend in energy intensity. District Energy Use Intensity (EUI) declined from the mid-60s range to the high-30s range, where it has remained relatively stable in recent years with an EUI level many peer districts actively strive to reach. This outcome demonstrates that growth has not resulted in proportional increases in energy consumption.

Maintaining stable energy cost per square foot and a competitive EUI across a rapidly expanding portfolio reflects operational discipline rather than short-term gains. Even as square footage increased by more than 45 percent, Klein ISD sustained efficiency through consistent execution and oversight across hundreds of buildings and systems.

Key operational strategies driving these results include:

- Scheduling HVAC systems by air handling unit rather than by area or wing, ensuring only the minimum equipment required is operated to meet load.
- Automatic shutdown of building-wide HVAC systems 30 minutes after student dismissal.
- Strategic holiday and break scheduling, including full HVAC shutdown during mild weather.
- Limited HVAC operation windows during warmer breaks, typically 7:00 a.m. to 11:00 A.M..
- Strict enforcement of default and holiday schedules to prevent energy drift as facilities and staffing evolve.

These practices have enabled Klein ISD to sustain performance through periods of extreme weather, grid instability, and energy market volatility, reinforcing the maturity and durability of the program.

#### Incentive Performance and Financial Stewardship

In addition to avoided utility costs, Klein ISD's Energy Management Program has consistently generated incentive revenue through long-term participation in utility-sponsored conservation and demand-response programs. As depicted in the attached incentive history, the district has earned approximately \$2.48 million in total incentives through programs such as SCORE, Commercial Load Management (CLM), and ERS-30, with earnings spanning nearly two decades.

The incentive trend reflects a mature and adaptive program rather than reliance on isolated projects. Early participation in SCORE provided steady annual returns, while later engagement in CLM and ERS-30 demonstrates the district's responsiveness to evolving grid needs and demand-response opportunities. Recent incentive peaks, including significant earnings in FY2024 and FY2025, highlight continued operational discipline during periods of heightened grid stress. Incentive funds are reinvested strategically. Campuses that actively participate in conservation efforts are rewarded, allowing them to fund activities, materials, and initiatives that may otherwise be constrained by budget limitations. Simultaneously, the Energy Management Department reinvests savings into additional efficiency measures, reinforcing a continuous improvement cycle that strengthens district facilities over time.

#### Leadership, Collaboration, and Program Governance

The strength of Klein ISD's Energy Management Program led by Melissa Crizer, is rooted in its structure, governance, and collaborative approach. The district maintains a formal Energy Committee that meets bi-annually and remains actively engaged throughout the year. This committee includes key stakeholders and serves as a forum for reviewing performance data, identifying opportunities, and collaboratively addressing energy-related challenges.

Beyond scheduled meetings, the Energy Management team works continuously with committee members, principals, directors, and executive leadership to problem-solve operational issues as they arise. This ongoing engagement ensures alignment, accountability, and rapid response while reinforcing energy management as a shared responsibility across the organization.

In addition to district leadership, the program benefits from deep professional engagement at the state level. Klein ISD's Energy Management Program is informed by leadership with extensive service to the The Energy Management Alliance (TEMA), including chapter and statewide roles spanning nearly a decade. This experience ranges from chapter secretary and president to executive board service, treasurer, and vice president ensures that Klein ISD's program remains aligned with evolving best practices, emerging regulatory considerations, and peer-driven innovation across Texas and bordering states. This connection strengthens program governance, reinforces accountability, and allows Klein ISD to both contribute to and benefit from the broader energy management community.

Externally, Klein ISD maintains strong partnerships with CenterPoint, CleaResult, EMA, GreenStar Engineering, Shell/MP2, and Affiliated Energy Group, supporting program optimization and participation in evolving utility initiatives.

### The 18 Roles and Responsibilities:

- Pillar 1: Strategy & Government – Policy, committee, management plan, and future planning
  - Klein ISD has an active “Regulation” in place rather than a policy. The decision was made recently to change from a “policy” in order to make changes without requiring Board approval. At this time, I work with a group of district leaders from the Energy Team that I refer to as ambassadors to assist with necessary changes. These ambassadors include a high school principal, an intermediate principal, an elementary principal, the Assistant Director of Fine Arts, Assistant Director of Athletics, and the Assistant Director of IT. Consulting with this group of leaders allows Klein to have a regulation in place that is designed by all stakeholders. (Regulation is attached. This document was Board approved prior to changing from policy to regulation)
  - I have worked slowly but strategically to build a district committee, called our Energy Team, that includes principals, directors from various departments, our assistant Police Chief, our CFO, Assistant Superintendents, as well as leaders from our Maintenance team. Having a team of almost 50 members allows for transparency, open conversations, and positive relationships. The Energy Team meets twice a year, once in the Fall for to “Kick-Off” the new school year and share valuable data and once in the Spring for a “Celebration” where we celebrate those who’ve earned incentives by participating in either load management programs or DR programs throughout the year. I’ll discuss this more in-depth in pillar 3. (list of Energy Team members and an Agenda is attached)
  - Klein has an Energy Master Plan in place, however due to budget constraints in recent years, we have had to re-think some of the ideas we had in place. One of the key aspects of our Energy Master Plan is to have representation on the Energy Team from every campus/department in the district. We’re doing well in that we have 31 of 48 campuses represented and all departments are represented. Since Klein has no Energy Management budget for projects, upgrades, and improvements, we utilize the funds we earn from our participation in Commercial Load Management and SCORE (via CenterPoint) and Demand Response (via Shell/MP2) to assist in projects. We are currently working closely with our Maintenance team to provide financial support for projects such as adding BacNet to our chillers projects, refurbishing a few

cooling towers, and upgrading some lighting controls, and exterior lighting. (List of Energy Management / Maintenance Projects attached. This is not all of our projects; these are only Maintenance projects that Energy Management is funding). As far as the day-to-day management, we monitor and track electricity and water usage closely. We have thresholds set for each campus & when the threshold is exceeded, we receive an alert. At that time, I have either our commissioning agent or a plumber identify and address the issue. I am incredibly blessed to have a team of incredibly skilled workers; each plays a very important and specific role in making the department successful. Below are the titles and basic job descriptions. One of the most important roles I play, as energy manager, is to ensure all of these roles work together to create an efficient and well-informed district that honors our financial and natural resources.

- Utility Software Specialist – Retrieve and pay invoices, upload and track utility data, monitor alerts, maintain and ensure permits and contracts are within required dates, monitor and control thermostats for satellite gyms and t-buildings.
  - Scheduling Specialist – Schedule all after-hours events, ensure buildings running minimal schedules during non-school hours, update AHU maps following any renovations/remodels.
  - Commissioning Agent – Develop and document recommended energy savings measures, document maintenance or capital items recommended for repair/replacement. Monitor & document any resulting energy/water savings. Conduct periodic evening and night visits to campuses as needed to ensure compliance with accepted energy management practices.
- Klein tracks and reports to district leadership on a quarterly basis. As district has become more knowledgeable (due to participation in the Energy Team), more questions are being asked (which is GREAT!). The decision was made and fully supported to purchase Building Optimization Technologies platform to provide live meter monitoring and ensure nothing is overlooked.

**BUILDINGS, GROUNDS AND EQUIPMENT MANAGEMENT-  
Energy Conservation**

**CNC  
(REGULATION)**

**DESCRIPTION**

Utility costs are the second greatest operating expense after employee payroll. As such, it is important for every Klein ISD employee to be responsible for wise and efficient use of energy.

The following items are actions that employees shall take and facility guidelines established by administration to be followed to aid in controlling energy costs:

- Employees shall turn off all computers and peripheral devices at the end of each workday. (Please note that “logging off” a computer does not save energy. It must be “shut down” to save energy. For teachers, this includes all student computers in the classroom.)
- Employees shall turn all lights off in their office, classroom, or work area if the area will be vacant for more than 15 minutes.
- Temperature set-points for all Klein ISD facilities shall be 68°F for heating and 74°F for cooling during occupied times. Variances must be approved on an individual basis by the associate superintendent of facility and school services, or his designated representative.
- Normal heating and cooling operation will begin 1.5 hours before and end 0.5 hours after the normal school day, unless special activity schedules have been requested by proper personnel and have been approved by the associate superintendent of facility and school services, or his designated representative.
- Portable space heaters are prohibited *in* all district facilities.
- Refrigerators and microwaves, for personal use, are prohibited in classrooms and individual offices.
- *Covering, obstructing (within a two-foot radius), or tampering with any HVAC sensor is prohibited in all district facilities.*
- *All desk or floor lamps intended for use in a district facility must be equipped with lamps or bulbs of less than 15 watts each (e.g., compact fluorescent lamps or LED).*

**Cross Reference**

## Klein ISD Energy Team Members

<b>First and Last Name</b>	<b>Campus or Department</b>	<b>Position</b>
Ashley Johnson	Benfer Elementary	Principal
August Wunderlich	Operations	COO / Asst Sup
Betty Zavala / Laura Hall	Kaiser Elementary	Principal
Brian Marr	K E Kaufman AEC	Principal
Carissa Rodgers	Krahn	Principal
Carrie Farmer	Krimmel	Principal
Charla Wilson	Mahaffey	Principal
Charlene Davis-Norris	Ulrich	Principal
Christin Murphy	Roth	Principal
Curtis Parks	Plant Operations	Associate Director
Dan Schaefer	Finance	CFO
David Menendez	Bershausen	Principal
Derek Koonts	Athletics	Assistant Director
Doug Massey	Operations	Executive Director
Frank Ward	Bernshausen	Principal
Hazel Berry	McDougle	Principal
Heddie Lookadoo	Shell energy	Vice President Demand Response
Holly O'Neill	Shell Energy	Sr Manager
Jason Anderson	Hofius	Campus Principal
Jessica Taylor	Theiss Elementary	Principal
John Fergerson	Transportation	Director
Jon Turner	Police	Assistant Chief
Kevin Wieghat	Maintenance	Director
Kimi Williams	Hildebrandt	Principal
Lakita Combs	Fox	Principal
Lance Alexander	Klein Forest	Principal
Lauren Liesberger	Kreinhop	Principal
Lauren Marti	Klein Cain High School	Principal
Leonard Castleberry	Nitsch	Principal
Les Schroeder	Maintenance	MEP Supervisor
Linda Galicia	Zwink	Principal
Lorene Wright	Ehrhardt	Principal
Melissa Silva	Facilities Use	Rentals
Maricarmen Soto	CenterPoint Energy	EE Program Manager
Prentiss Harper	Klein Cain	Assistant Principal
Rachel Wall	Haude	Principal
Randy Kirk	Klein Collins	Principal
Samantha Martin	Schultz	Principal
Sarah Brown	Hassler	Principal
Shannon Stroll	Klein High	Principal
Spring Payne	Kleb	Principal
Stephanie Gray	Strack Intermediate	AP
Thomas Hensley	Klein Oak	Principal
Veronica DeLeon	Maintenance	Scheduling Specialist
Wayne Ford	Maintenance	Hvac

## AGENDA 4/3/2025

- Kahoot - Music Trivia
- Energy Management Quick Fact
  - Exterior Lighting Override Button
- Current State of Energy Management
  - Article in Houston Chronicle
  - Breakdown of a utility bill
    - Regulated vs. Deregulated
    - Take Home Tips for shopping electricity
  - Electricity - Rate increase May 1<sup>st</sup>
- Summer Information - Closed Fridays in June & July
  - Enter SS requests by May 21<sup>st</sup>
  - Enter Admin hours, 10 hour window in office areas only
- The Next Generation of Energy Managers
  - Allie Martin
- Energy Conservation Programs
  - ERCOT - Shell / MP2 - Thank you for your continued support & thank you for being here!
  - CenterPoint - discuss the issue
  - How are incentives being used?
    - Thomas Hensley
    - Lauren Liesberger
    - Spring Payne
    - Lance Alexander? Anyone else?
- Celebrations & Photo

## DOOR PRIZES

# Klein ISD – Energy Management / Maintenance Projects

Project:	Site:	Potential Cost:	Quote:	\$747,789	Notes:
CNP - ERCOT Campus Incentives 2026				\$79,543	to be paid to campuses Spring 2026
Campus Electricity Budget Challenge 2025				\$45,500	maximum to be paid to campuses Fall 2026
Climatec EASE Scheduling Upgrade				\$89,000	PO #26010041 (sent to Climatec 2/24)
Add BacNet to chiller projects	Eiland	\$10,000		\$10,000	Quote received 3/2
	Kuehnle	\$10,000		\$10,000	Quote received 3/2
	Metzler	\$10,000		\$15,000	Quote received 3/2
Refurbish tower	Zwink	\$50,000	Way - OEM	\$59,064	PO #26009477 (sent to Way 2/13)
Add "houses" to irrigation & tower backflows ≤ 2". Will need to add concrete slabs for some	Multiple campuses				KISD has 283 total backflows
Supplement upgrade for KHS lighting controls	KHS				Chad has \$750,000 in bond funds, we can supplement
Replace plant controller for parking lot lights (ALC)	French				Currently lights are staying on overnight - no control
Upgrade parking lot lights to LED	Multiple campuses				Need a list of those not on current bond project list
				\$439,682	

- Pillar 2: Technical Operations – Audits, maintenance, commissioning, construction standards, and safety
  - Klein has taken advantage of free Preliminary Energy Audits when possible. Our last one was conducted in 2021 by TEESI. As far as regular energy audits are concerned, we utilize the Building Optimization Technologies platform to help us identify facilities that are operating outside of our regular default schedules. Our district is fortunate enough to have a commissioning agent that performs regular campus audits (A campus audit for Bernshausen Elementary is attached – 7 pages). These audits always include a list of findings as well as recommendations for improvement.
  - The Maintenance Department utilizes a pre-scheduled preventative maintenance plan. Our Information Center Manager enters all preventative maintenance work orders at the beginning of each fiscal year and assigns them. A list of all PM related to energy management for Klein High School is attached as an example. These are tracked by our Information Center Manager and verified by our MEP Supervisor (who are both on Spring Break 😊)
  - Energy Management and the Maintenance Department place safety as the highest priority. A safety meeting is scheduled once monthly and a different topic is covered each time. Other than the mandatory requirements of Bloodborne Pathogens and Standard Response Protocol, we also include topics such as Ladder Safety, Fire and Explosion Hazards, Severe Storms, Distracted Driving, Chemical Spills, and Back Injury and Lifting. A list of completed courses from last school year to present is attached (2 pages). Every member of the Maintenance, Energy management, and Construction teams are required to complete these courses.
  - The district has a very specific set of guidelines/specs for all construction and renovation projects. These specs are revisited annually or as needed if immediate changes are required. The district’s Director of Capital Projects and Engineering is not a former Energy manager, but he was my mentor when I moved over from the academic side of education. This has been a huge blessing to Klein as he is able to see the value in installing energy efficient equipment.
  - As mentioned previously, Klein has the gift of a Commissioning Agent. This adds great value to our department and our district for ongoing commissioning. We also utilize 2 different 3<sup>rd</sup>-party Commissioning Agents:

Klein ISD – Energy Program of the Year  
Melissa Crizer, Gary Lett, Veronica Deleon, Kristen Chiu

one to verify new construction and one to verify renovations and controls upgrades. We utilize a system called Bluerithm to monitor and track commissioning items at each of our locations undergoing a rebuild or renovation. An email “Daily Rundown” is attached as well as a screenshot to demonstrate what happens when you launch Bluerithm. I selected one specific project, Kleb and Doerre IS. There are currently 5 open issues on these 2 campuses; 3 of the issues are listed on the attachment.



**KLEIN INDEPENDENT SCHOOL DISTRICT  
BERNSHAUSEN ELEMENTARY  
FINDINGS AND RECOMMENDATIONS**

**Data:** A summary of the facility data that was compiled from energy management software and blue prints is shown in the table below. For additional information and notes the complete facility data table is included on the KISD network.

**Recommendations:**

<b>Item #</b>	<b>Findings</b>	<b>Recommendations</b>	<b>Assigned (Energy, Maint, Capital)</b>	<b>Resolution</b>
1	Using the RMS Program. There is something that started in Sept. 2024 that is running after hours.		EM	
2	Central Plant SCHWP 1&2 Shows 100% constantly. The CHWS flow coincides with the RMS trend.	It looks like the program is causing this.	Climatec	
3	The chilled water flow meter is trending to no less than 100GPM when unoccupied.	It looks like the program is causing this.	Climatec	
4	The hot water DP is maintaining between 40 and 50 PSI constantly. The CHW DP is showing 49.5psi with a setpoint of 24psi.	It looks like the program is causing this.	Climatec	
5	TU 3-8 fan status is showing to be running continually.	Could be a bad sensor.	HVAC/EM	

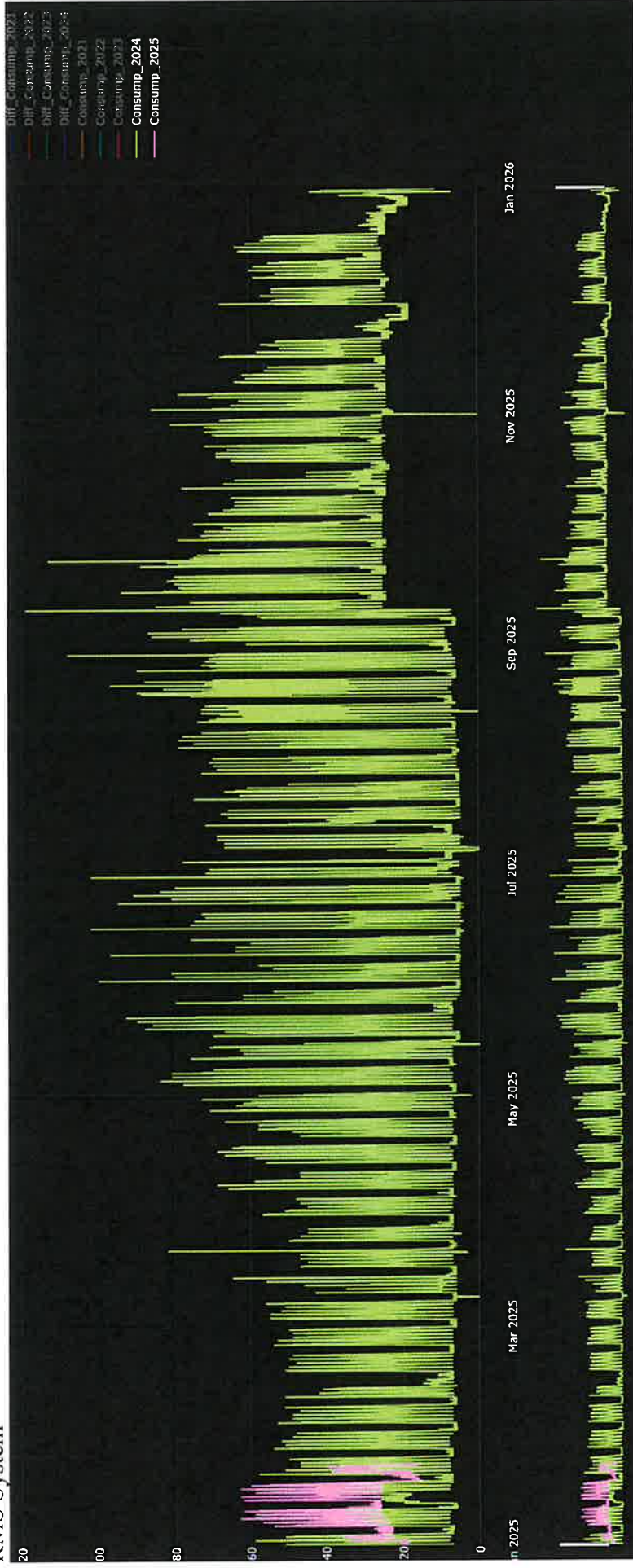


# KLEIN INDEPENDENT SCHOOL DISTRICT

## BERNSHAUSEN ELEMENTARY

### FINDINGS AND RECOMMENDATIONS

Item 1  
RMS System

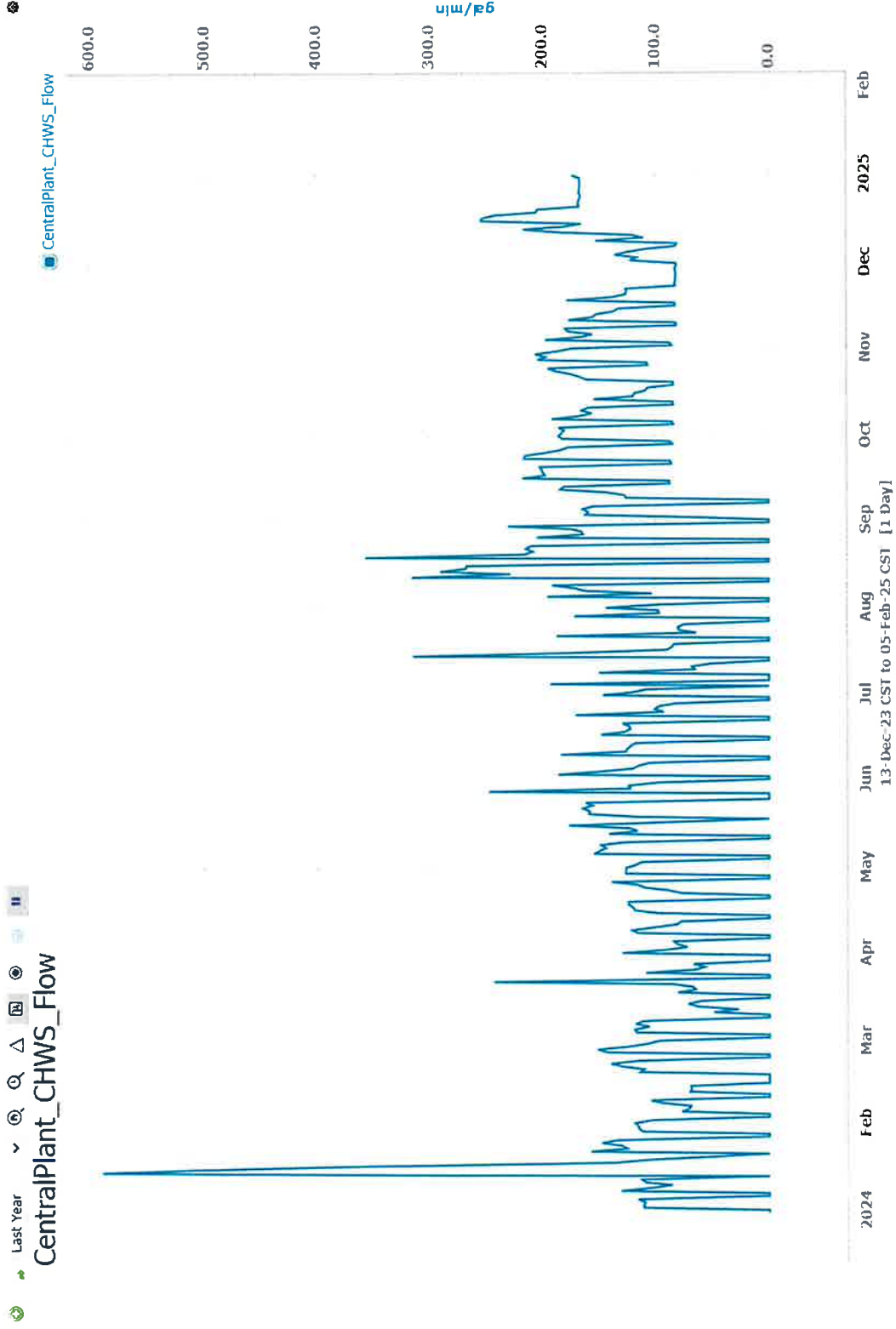




# KLEIN INDEPENDENT SCHOOL DISTRICT

## BERNSHAUSEN ELEMENTARY

### FINDINGS AND RECOMMENDATIONS





# KLEIN INDEPENDENT SCHOOL DISTRICT

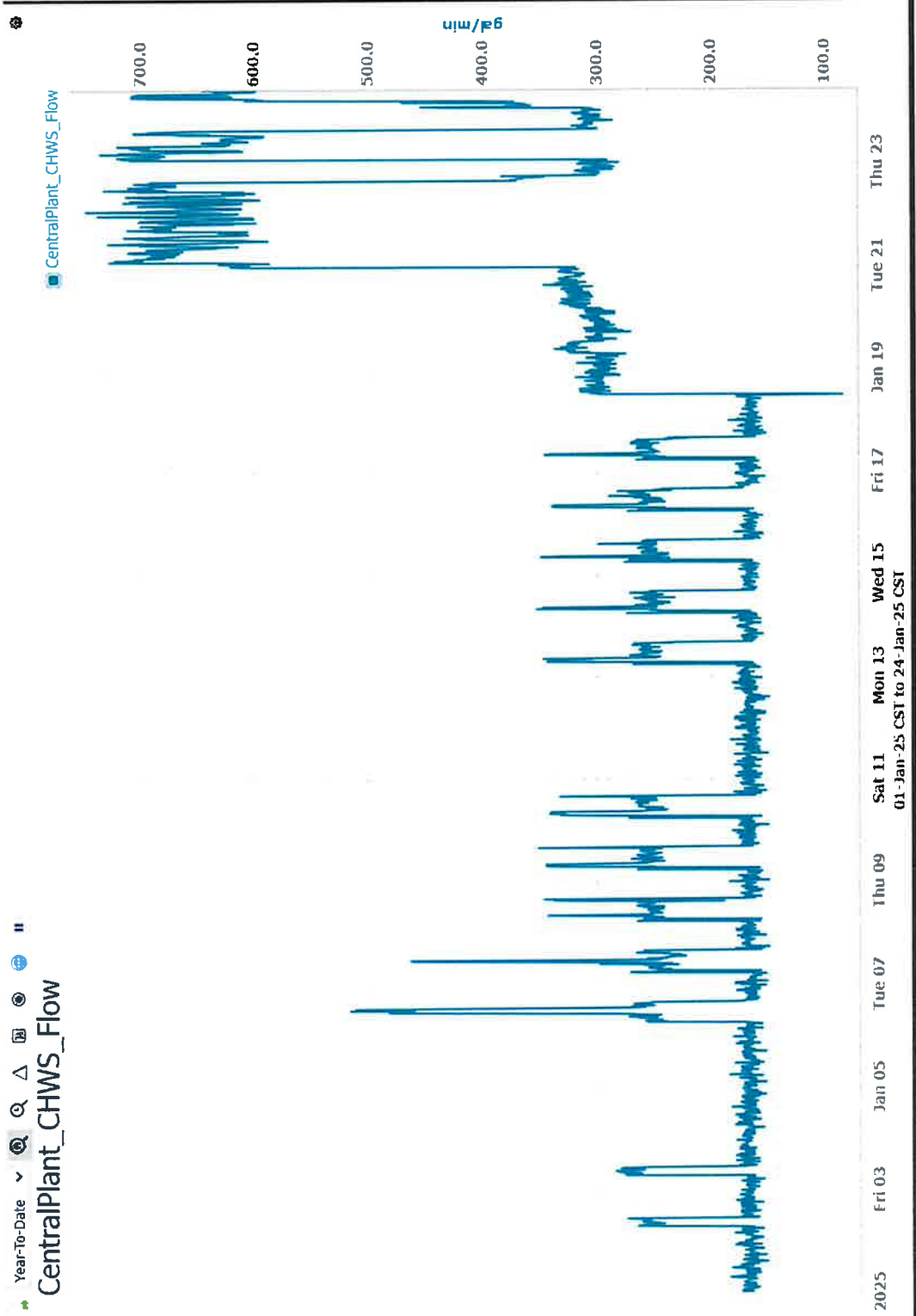
## BERNSHAUSEN ELEMENTARY

### FINDINGS AND RECOMMENDATIONS

#### Item 3

Year-To-Date

CentralPlant\_CHWS\_Flow





# KLEIN INDEPENDENT SCHOOL DISTRICT BERNSHAUSEN ELEMENTARY FINDINGS AND RECOMMENDATIONS

## Item 4

Chilled Water System

**CHWS Status**

CHWS Enabled  On

Freeze Protection Normal

Outside Air Temperature 68.4 °F

**CWS**

5

**Global**

**Alarms**

SCHWP-1 Failure Alarm	Normal
SCHWP-2 Failure Alarm	Normal
PCHWP-1 Failure Alarm	Normal
PCHWP-2 Failure Alarm	Normal
Chiller-1 Failure Alarm	Normal
Chiller-2 Failure Alarm	Normal
Refrig Mon High Alarm	Normal
Refrig Mon Low Alarm	Normal
CWP-1 Failure Alarm	Normal
CWP-2 Failure Alarm	Normal

**Cooling Flags**

Cooling Flags Required to Enable CHWS  5

Active Cooling Flags

**System Setpoints**

Average Chiller Load	18.5 %
Chillers Load Lag Setpoint	85.0 %
Chillers Load Reset Setpoint	25.0 %
Freeze Protection Setpoint	38.0 °F
CHWS DP Setpoint	24.0 psi

**Lag Flags**

More Cooling Needed	Off
Building Satisfied	Off
Less Cooling Needed	Off
Average Load Lag Trigger	Off
Average Load Lag Reset	On

**Lead / Lag Settings**

Lead Chiller  Chiller-2  Manual Order

Lead/Lag Changerover  Manual  Chiller-2 Lead, Chiller-1 Lag

When Weekly Changeover Occurs

Day Hour Min AM/PM

Thursday 5 0 AM



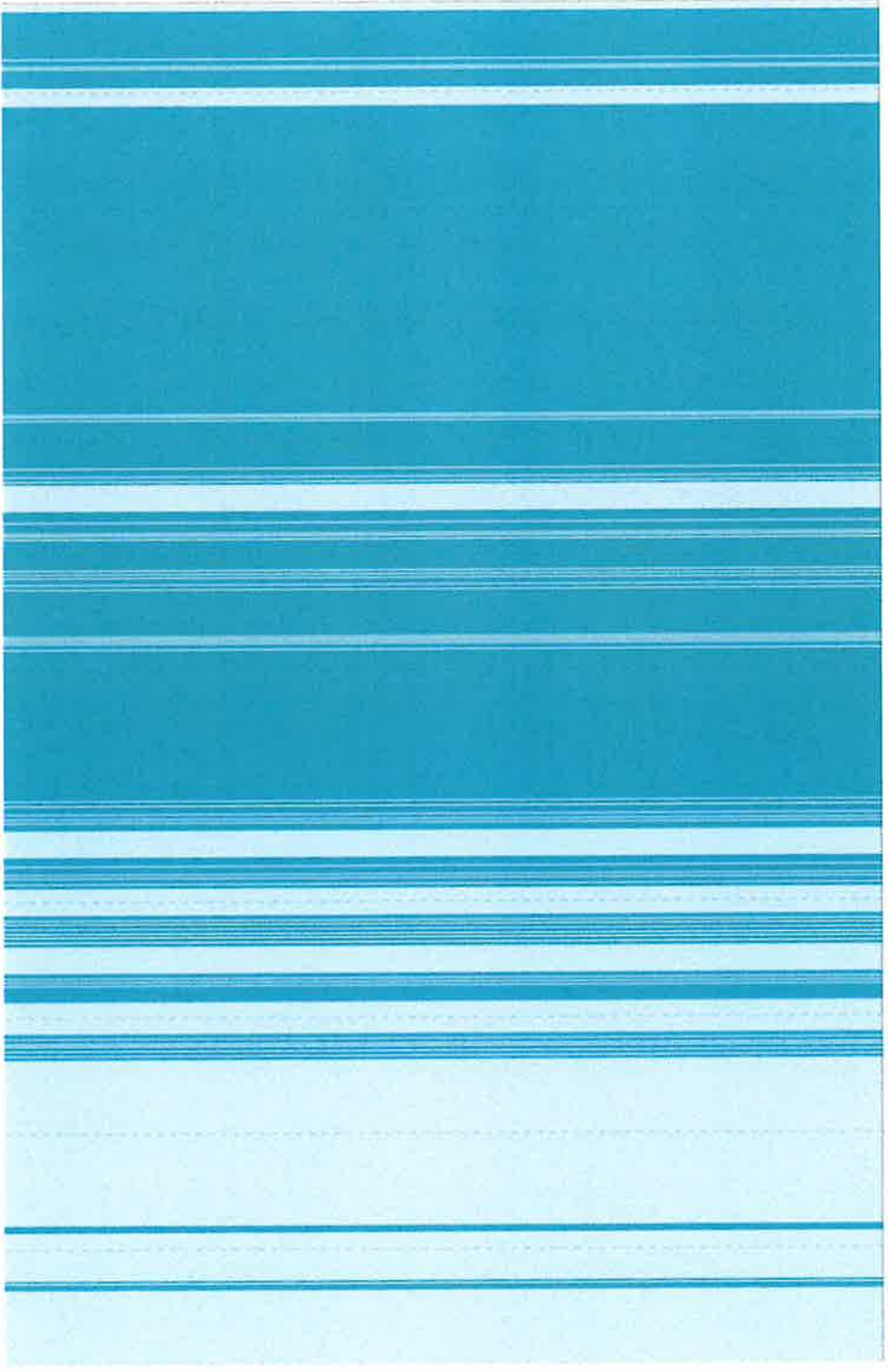
# KLEIN INDEPENDENT SCHOOL DISTRICT BERNSHAUSEN ELEMENTARY FINDINGS AND RECOMMENDATIONS

## Item 5

Year-To-Date

TU\_3\_8\_FanStartStop

TU\_3\_8\_FanStartStop



2025    Fri 03    Jan 05    Tue 07    Thu 09    Sat 11    Mon 13    Wed 15    Fri 17    Jan 19    Tue 21    Thu 23  
01-Jan-25 CST to 24-Jan-25 CST [30 Minutes]

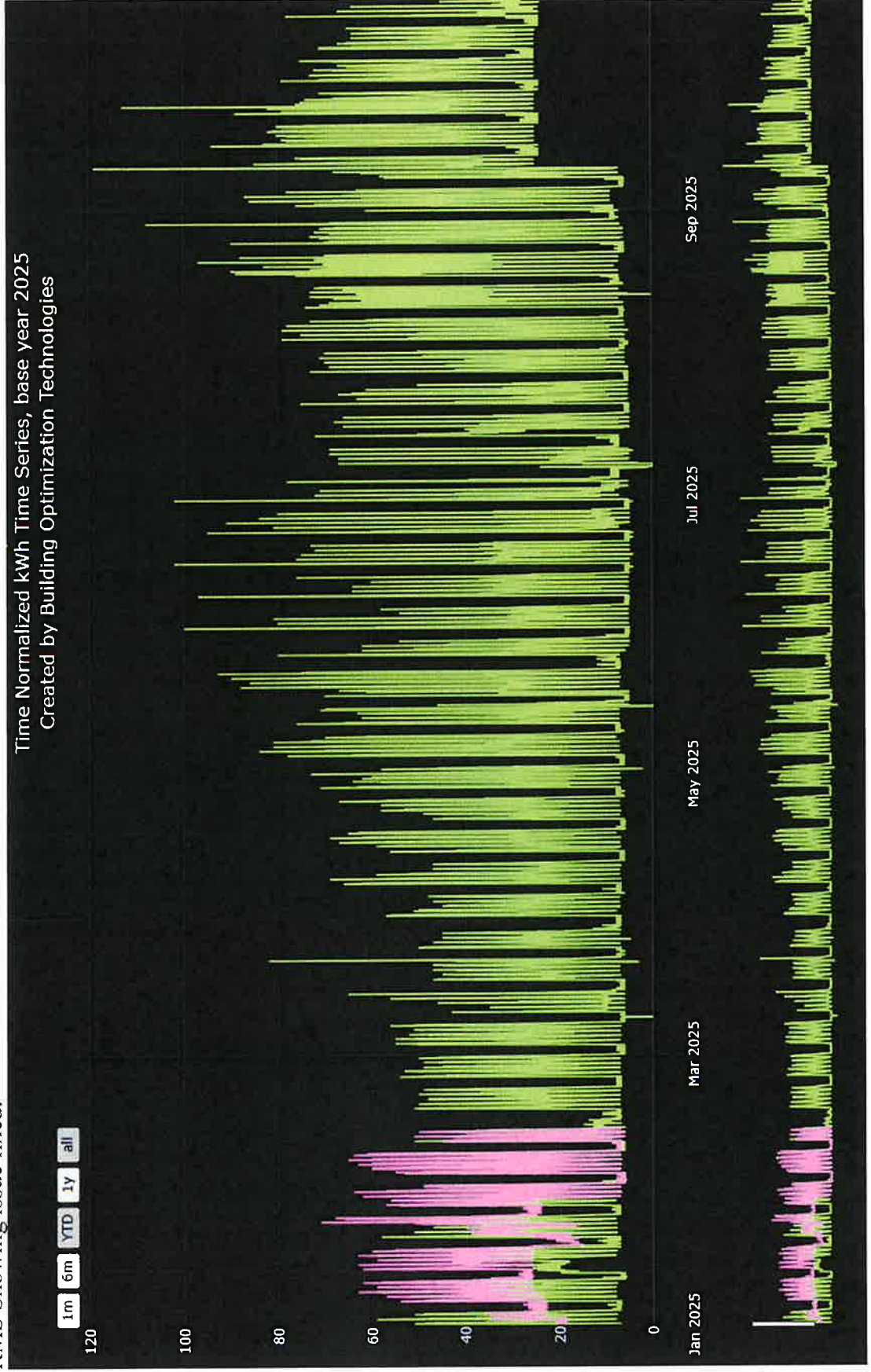


# KLEIN INDEPENDENT SCHOOL DISTRICT

## BERNSHAUSEN ELEMENTARY

### FINDINGS AND RECOMMENDATIONS

RMS Showing issue fixed.



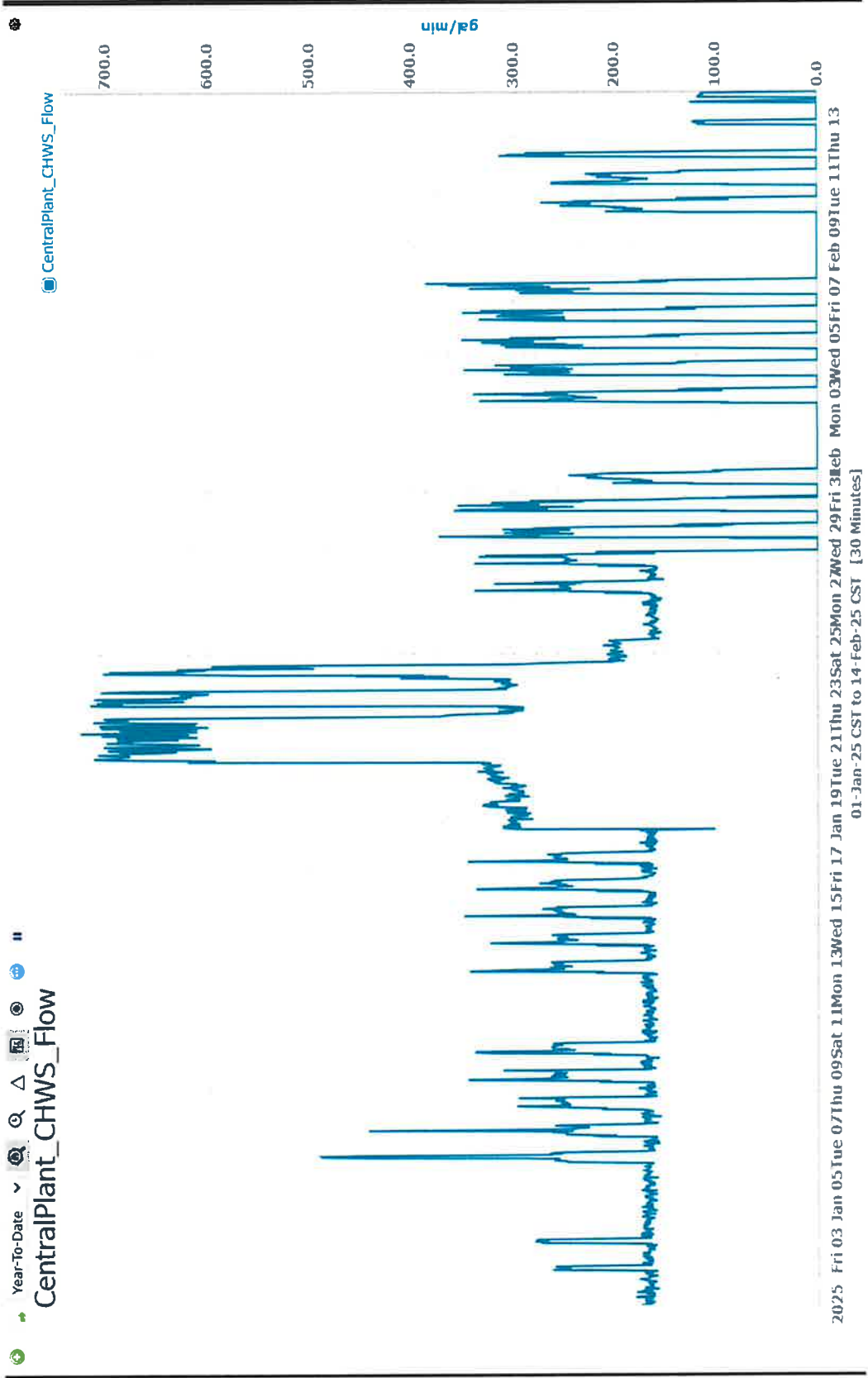


# KLEIN INDEPENDENT SCHOOL DISTRICT

## BERNSHAUSEN ELEMENTARY

### FINDINGS AND RECOMMENDATIONS

Trend of GPM showing issue fixed.



## PM Schedule – Klein High School

Name	Workflow	Location	Category	Reason
KHS BB&AD-Air Cooled Chiller-Annual	WO	Klein High School	HVAC	Preventive
KHS-Cooling Tower-Annual	WO	Klein High School	HVAC	Preventive
KHS-Drive Cooling Systems-Biennial	WO	Klein High School	HVAC	Preventive
KHS-Water Cooled Chiller-Annual	WO	Klein High School	HVAC	Preventive
KHS-Water Fountain Insp-Annual	WO	Klein High School	HVAC	Preventive
KHS-AHU/Fan Coil/Munters-Annual	WO	Klein High School	HVAC	Preventive
KHS-Fire Surge Tank-Monthly	WO	Klein High School	PL	Preventive
KHS-Boiler Drainage- Semi-Monthly	WO	Klein High School	PL	Preventive
KHS-Exterior Lights-Quarterly	WO	Klein High School	EL	Preventive
KHS-Eye Wash Station-Annual	WO	Klein High School	PL	Preventive
KHS-Field Lights-Semi-Annual	WO	Klein High School	EL	Preventive
KHS-Filter Change-60day	WO	Klein High School	HVAC	Preventive
KHS-Pool Overflow Drains-Annual	WO	Klein High School	PL	Preventive
KHS-Fire Suppression System-Semi-Ann	WO	Klein High School	PL	Preventive
KHS-Gate Maint.- Semi-Annual	WO	Klein High School	GR	Preventive
KHS-Generator-60day	WO	Klein High School	EL	Preventive
KHS-Generators-30day	WO	Klein High School	EL	Preventive
KHS-Interior Lights-Quarterly	WO	Klein High School	EL	Preventive
KHS-Lift Station-Weekly	WO	Klein High School	PL	Preventive
KHS-Light Pole Inspection-Annual	WO	Klein High School	EL	Preventive
KHS-Pool Operator-Daily	WO	Klein High School	PL	Preventive
KHS-Roof Inspection-Semi-Annual	WO	Klein High School	GM	Preventive
KHS-Shop Ventilations-Monthly	WO	Klein High School	HVAC	Preventive
KHS-Wooden Power Pole-Semi-Annual	WO	Klein High School	EL	Preventive
KHS-Fire Sprinkler Syst-Annual	WO	Klein High School	PL	Preventive
KHS-Gas Testing-Biennial	WO	Klein High School	PL	Preventive
KHS-Irrigation-Annual	WO	Klein High School	PL	Preventive
KHS-Kitchen Ansl System Insp-Annual	WO	Klein High School	PL	Preventive



Welcome,  
Christina Davis



# Training History for Christina Davis

**From Date:** 2025-09-01

**To Date:** 2026-03-19



MAIN

**My Assignments**

**Training History**

**Extra Training**

ADMIN

**Dashboard**

**Training Plans**

**Employees**

**Courses**

**Reports**

**Settings**

**Help**

**Language** >

**Log Out**

COURSE

DURATION

COMPLETION  
DATE



[Back Injury and Lifting:  
Full Course](#)

21  
Minutes

February 20,  
2026



[Chemical Spills Overview:  
Full Course](#)

29  
Minutes

November 21,  
2025



[Dangers of Distracted  
Driving: Full Course](#)

15  
Minutes

September  
26, 2025



[Severe Storms: Wind, Water,  
and Hail Intrusion : Full  
Course](#)

18  
Minutes

January 30,  
2026

# Training History for Christina Davis










Welcome,  
Christina Davis

From Date  
07/01/2024

To Date  
07/19/2025

Refresh List

COURSE	DURATION	COMPLETION DATE	CERTIFICATE
 Fire and Explosion Hazards: Full Course	27 Minutes	February 28, 2025	<a href="#">View Certificate</a>
 Health Emergencies: Breathing, Emergencies, Choking, and the Heimlich Maneuver: Full Course	12 Minutes	April 25, 2025	<a href="#">View Certificate</a>
 Health Emergencies: Life-Threatening Allergies: Full Course	17 Minutes	July 18, 2025	<a href="#">View Certificate</a>
 KLEIN BLOODBORNE PATHOGENS: Custom	11 Minutes	July 18, 2025	<a href="#">View Certificate</a>
 KLEIN CONFLICT OF INTEREST - CRITICAL FORM: Custom	4 Minutes	July 18, 2025	<a href="#">View Certificate</a>
 KLEIN IT COMPLIANCE: Custom	10 Minutes	July 18, 2025	<a href="#">View Certificate</a>
 KLEIN STANDARD RESPONSE PROTOCOL: Custom	7 Minutes	July 18, 2025	<a href="#">View Certificate</a>

MAIN

- My Assignments
- Training History**
- Extra Training

ADMIN

- Dashboard
- Training Plans
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MAIN

- My Assignments
- [Training History](#)
- Extra Training

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	<a href="#">KLEIN CONFLICT OF INTEREST - CRITICAL FORM Custom</a>	4 Minutes	July 18, 2025	<a href="#">View Certificate</a>
	<a href="#">KLEIN II COMPLIANCE Custom</a>	10 Minutes	July 18, 2025	<a href="#">View Certificate</a>
	<a href="#">KLEIN STANDARD RESPONSE PROTOCOL Custom</a>	7 Minutes	July 18, 2025	<a href="#">View Certificate</a>
	<a href="#">Ladder Safety Full Course</a>	19 Minutes	October 25, 2024	<a href="#">View Certificate</a>
	<a href="#">Slips, Trips and Falls Full Course</a>	17 Minutes	November 22, 2024	<a href="#">View Certificate</a>
	<a href="#">Title IX Compliance Overview Full Course</a>	45 Minutes	July 18, 2025	<a href="#">View Certificate</a>
	<a href="#">Welcome to Klein Compliance Training Custom</a>	2 Minutes	July 18, 2025	<a href="#">View Certificate</a>

**Crizer, Melissa**

---

**From:** System=bluerithm.com@mg.bluerithm.com on behalf of System@BlueRithm.com  
**Sent:** Monday, March 9, 2026 3:43 AM  
**To:** Crizer, Melissa  
**Subject:** Daily Rundown

**CAUTION: This email originated from outside of Klein ISD. Forward suspicious emails to security@kleinisd.net**

# Daily Rundown

Updates since your last rundown

## Klein Collins HS

### Issues

New: 0  
Recently closed: 0  
Recently updated: 0  
Not closed: 9  
Avg days to close: NA

### General

Equipment: 17  
Incomplete Equipment: 6  
Remaining work effort (all): 50.3  
Finished work effort (all): 0.0

### Work Items

New: 0  
Recently completed: 0  
Recently updated: 0  
40 Prefunctional Testing: 29 incomplete, 0 complete  
50 Functional Testing: 29 incomplete, 0 complete

[Go to Klein Collins HS](#)

## Klein ISD - Ulrich IS

### Issues

New: 0  
Recently closed: 0

### General

Equipment: 107  
Incomplete Equipment: 107

Recently updated: **0**  
Not closed: **12**  
Avg days to close: **44.7**

Remaining work effort (all): **190.8**  
Finished work effort (all): **587.3**

### **Work Items**

New: **0**  
Recently completed: **0**  
Recently updated: **0**  
60 Record Documents: **149** incomplete, **0** complete  
20 Installation Inspection: **102** incomplete, **5** complete  
30 Graphics Review: **20** incomplete, **18** complete  
50 Functional Testing: **7** incomplete, **112** complete  
40 Prefunctional Testing: **2** incomplete, **255** complete  
10 PM Documents: **2** incomplete, **1** complete  
General: **1** incomplete, **0** complete  
Checklist: **1** incomplete, **0** complete

Go to Klein ISD - Ulrich IS

## **Klein ISD - Doerre and Kleb IS**

### **Issues**

New: **0**  
Recently closed: **0**  
Recently updated: **0**  
Not closed: **6**  
Avg days to close: **41.0**

### **General**

Equipment: **146**  
Incomplete Equipment: **144**  
Remaining work effort (all): **64.0**  
Finished work effort (all): **582.3**

### **Work Items**

New: **0**  
Recently completed: **0**  
Recently updated: **0**  
Doerre - 20 Installation Inspection: **3** incomplete, **28** complete  
Doerre - 10 PM Documents: **3** incomplete, **0** complete  
Doerre - 30 Graphics Review: **28** incomplete, **0** complete  
Doerre - 50 Functional Testing: **0** incomplete, **29** complete  
Doerre - 60 Record Documents: **4** incomplete, **0** complete  
Kleb - 20 Installation Inspection: **2** incomplete, **31** complete  
Kleb - 30 Graphics Review: **36** incomplete, **5** complete  
Kleb - 50 Functional Testing: **0** incomplete, **60** complete  
Kleb - 10 PM Documents: **3** incomplete, **0** complete  
Kleb - 60 Record Documents: **9** incomplete, **0** complete  
Doerre - 40 Prefunctional Testing: **0** incomplete, **78** complete  
Kleb - 40 Prefunctional Testing: **0** incomplete, **128** complete

Go to Klein ISD - Doerre and  
Kleb IS

## Klein ISD - Hildebrandt IS

### Issues

New: 0  
Recently closed: 0  
Recently updated: 0  
Not closed: 31  
Avg days to close: 81.0

### **General**

Equipment: 127  
Incomplete Equipment: 113  
Remaining work effort (all): 217.3  
Finished work effort (all): 995.0

### Work Items

New: 0  
Recently completed: 0  
Recently updated: 0  
10 Submittal Review: 20 incomplete, 0 complete  
40 Prefunctional Testing: 1 incomplete, 434 complete  
20 Installation Inspection: 94 incomplete, 64 complete  
30 Graphics Review: 82 incomplete, 2 complete  
60 Record Documents: 115 incomplete, 0 complete  
50 Functional Testing: 0 incomplete, 129 complete  
General: 1 incomplete, 0 complete

Go to Klein ISD - Hildebrandt  
IS

## Klein ISD - KCHS KOHS

### Issues

New: 0  
Recently closed: 0  
Recently updated: 0  
Not closed: 0  
Avg days to close: 1241.9

### **General**

Equipment: 2  
Incomplete Equipment: 2  
Remaining work effort (all): 1.5  
Finished work effort (all): 20.3

### Work Items

New: 0  
Recently completed: 0  
Recently updated: 0  
Site Observations: 2 incomplete, 0 complete

Go to Klein ISD - KCHS KOHS

## Klein ISD - Krimmel IS

### Issues

New: 0  
Recently closed: 0  
Recently updated: 0  
Not closed: 28  
Avg days to close: 134.9

### General

Equipment: 58  
Incomplete Equipment: 36  
Remaining work effort (all): 42.8  
Finished work effort (all): 405.8

### Work Items

New: 0  
Recently completed: 0  
Recently updated: 0  
Design: 0 incomplete, 2 complete  
Installation: 1 incomplete, 0 complete  
Facility - 40 Prefunctional Testing: 17 incomplete, 227 complete  
Facility - 50 Functional Testing: 30 incomplete, 31 complete

Go to Klein ISD - Krimmel IS

## Klein ISD - North Transportation Center

### Issues

New: 0  
Recently closed: 0  
Recently updated: 0  
Not closed: 11  
Avg days to close: 48.5

### General

Equipment: 13  
Incomplete Equipment: 13  
Remaining work effort (all): 54.0  
Finished work effort (all): 148.5

### Work Items

New: 0  
Recently completed: 0  
Recently updated: 0  
30 Graphics Review: 9 incomplete, 6 complete  
20 Installation Inspection: 30 incomplete, 0 complete  
60 Record Documents: 18 incomplete, 0 complete  
50 Functional Testing: 4 incomplete, 16 complete  
40 Prefunctional Testing: 3 incomplete, 44 complete  
10 - Submittal Review: 8 incomplete, 1 complete

Go to Klein ISD - North  
Transportation Center

## Klein ISD - Strack IS

### Issues

New: **0**  
Recently closed: **3**  
Recently updated: **18**  
Not closed: **28**  
Avg days to close: **26.2**

### General

Equipment: **227**  
Incomplete Equipment: **101**  
Remaining work effort (all): **157.3**  
Finished work effort (all): **753.3**

### Work Items

New: **0**  
Recently completed: **1**  
Recently updated: **2**  
General: **1** incomplete, **0** complete  
30 Graphics Review: **14** incomplete, **30** complete  
60 Record Documents: **82** incomplete, **0** complete  
50 Functional Testing: **3** incomplete, **132** complete  
40 Prefunctional Testing: **4** incomplete, **441** complete  
10 - Submittal Review: **23** incomplete, **6** complete  
20 Installation Inspection: **81** incomplete, **0** complete

Go to Klein ISD - Strack IS



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# Commissioning Report (sample)

Portfolio

My Company
Projects
My Work
Tools
About

Get the App
Reset Connection
mcrizar1@kleinisd.net

0 Background Jobs

Project	Name	Status	ID	Type	Associated With	Assigned To	Priority	Category	Edit	Last Edit By
Klein ISD	CT's not getting enough flow for fu...	Closed	ISSUE-006	Issue	Project / Kleb IS / 3.1.1B - CHW Plant Type 1B - WC Chillers with Primary-Only Pumping / Chilled Water System (RC)	glett1@kleinisd.net	Analysis	Oct 24, 2024 3:39:55 PM		elizabethdunlap@greenstarengineering.com
Klein ISD	DAT sensor is in contact with other...	Closed	ISSUE-141	Issue	Project / Doerre IS / 1-2-1 MZU / AHU-A1	glett1@kleinisd.net	Doerre - Area C1 is present twice. New area should be G1	Feb 18, 2025 6:50:43 AM		jimwatt@greenstarengineering.com
Klein ISD	Please replace all improper clips w...	Closed	ISSUE-143	Issue	Project / Doerre IS / 1-2-1 MZU / AHU-A1	glett1@kleinisd.net	Doerre - Area C1 is present twice.	Feb 18, 2025 6:52:17 AM		jimwatt@greenstarengineering.com
Klein ISD	CT-2 bypass valve is not responding	Closed	ISSUE-282	Issue	Project / Kleb IS / 3.1.1B - CHW Plant Type 1B - WC Chillers with Primary-Only Pumping / CT-2 (RC)	glett1@kleinisd.net	High M&O	Feb 24, 2025 8:30:07 PM		jimwatt@greenstarengineering.com

- Pillar 3: Financial & Resource Management – budgeting, contract negotiation, incentives, M&V, and resources
  - Energy Management has a designated budget for annual utilities, however my department does not have designated funds for projects, improvements, or upgrades. In order for our district to provide much-needed energy efficiency improvements, we participate in various programs that allow us to earn incentives. We have worked with our CFO to ensure that these funds are deposited into a 696 account that rolls from year-to-year. These incentive funds have allowed us to complete many projects such as lighting upgrades, installation of drives on AHUs that were value engineered in construction projects, and the installation of irrigation controllers on all campuses to help with the rising costs of water. We have also been able to assist in supporting some upgrades needed in the maintenance department as demonstrated back in Pillar 1.
    - Over the past several years, Klein has participated in SCORE, SCORE Lite, RCx, Commercial Load Management, and ERS-30 Demand Response. In order to increase interest in the CLM and ERS-30 Programs, campuses receive incentives to help with budget shortfalls. To date we have earned more than \$2.7 million in incentives and since we were given the authority to share incentives with our campus participants a few years back, we have shared more than \$151,000. See CLM and ERS-30 worksheet attached.
  - I work closely with our Maintenance Director and CFO to ensure we are utilizing our financial resources as respectfully as possible. When creating our annual budget, we consider all upcoming changes to rates, construction projects, renovations, and any other events that could result in changes in energy and/or water usage. Since I began working in Klein, I have worked to educate others, including my superiors, of the risks in cutting corners. There have been a few instances where VE-ing has resulted in increases in energy usage after the project was completed. Being able to go back and track before and after the project and present valid data has proven to be a valuable resource for future budget planning. There is a new understanding of the importance of investing a little more upfront to avoid costly repairs and upgrades in the future. See annual budget worksheet attached.
  - Klein works with an energy consultant and has since 2010. Our consultant has extensive knowledge of negotiating utility contracts. He and his team of

attorneys have many years of experience and a deep knowledge of the energy market. This team has been able to assist Klein in creating an RFP for electricity and natural gas contracts.

- As mentioned previously, I have made it a priority to have as much transparency and education made available to district personnel and the community as possible. We not only share the incentives that we earn with participating campuses, but we also ensure that campuses are recognized for the great work they're doing. Attached is a photo of our most recent photo taken of our principals "showing-off" their checks for participation in one of the two Energy Conservation Programs we offer. This year, they are also being given the opportunity to earn an additional \$1,000, \$2,000, or \$3,500 for decreasing the amount of electricity usage at their campus. So far, 14 campuses are on-track to receive that incentive and the district as a whole has decreased electricity usage by more than 4% this year compared to last year.
- Klein tracks utility usage and cost tightly, but is in the process of developing a more stringent means of formal M&V methodology. We have recently utilized a 3<sup>rd</sup> party engineering firm to assist in acquiring incentives for M&V during controls upgrades, but overall, this is an area I would like to see us improve.

Klein ISD – Incentives Earned & Shared With Campuses

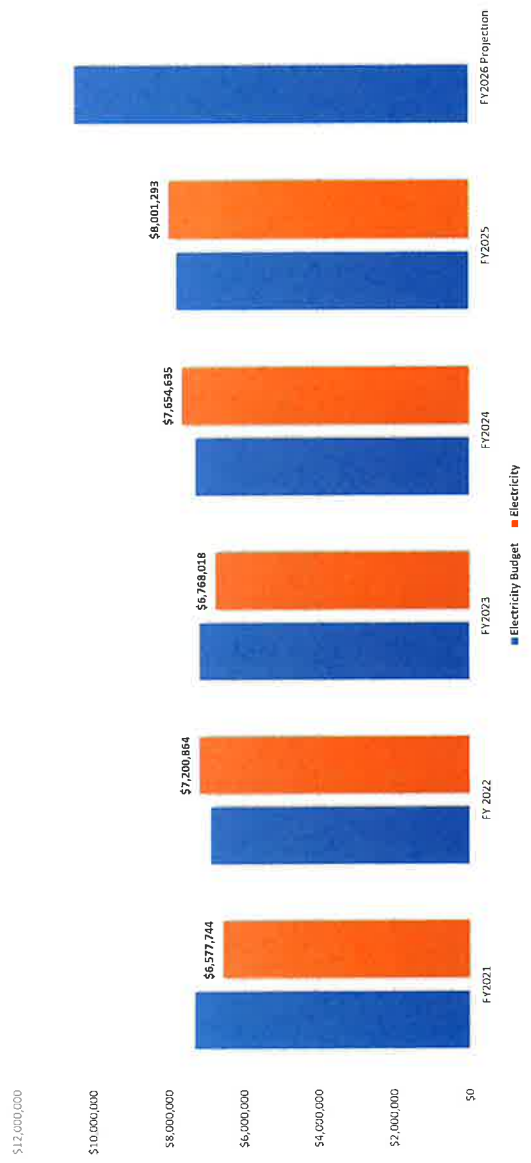
Program Window Dates	CenterPoint	ERCOT / Shell	Incentives Shared & Notes:	
Dec - Feb 2022	\$8,712		<b>Piloting programs - Incentive share being considered, but not approved at this time</b>	
Dec - Feb 2023	\$11,122			
Dec - Mar 2023		\$1,005		
Apr - May 2023		\$349		
<b>June - Sept 2023</b>	\$43,938	\$17,540	<b>\$12,292</b>	<b>Pd Feb 2024</b>
Oct - Nov 2023		\$584	<b>\$60,003</b>	<b>Pd April 2025</b>
Dec - Feb 2024	\$94,533			
Dec - Mar 2024		\$6,464		
Apr - May 2024		\$384		
June - Nov 2024	\$177,658			
June - Sept 2024		\$9,394	<b>\$79,543</b>	<b>To Be Pd April 2026</b>
Oct - Nov 2024		\$1,479		
Dec - May 2025	\$189,027			
Dec - Mar 2025		\$4,997		
Apr - May 2025		\$443		
June - Sept 2025		\$3,357		
June - Nov 2025	\$179,910			<b>To Be Pd April 2027</b>
Oct - Nov 2025		\$136		
Dec - May 2025				
Dec - Mar 2025				
Apr - May 2025				
June - Sept 2025				
June - Nov 2025				
	<b>\$704,900</b>	<b>\$37,199</b>	<b>\$151,838</b>	

Began Incentive Share

	BUDGET						Proposed FY2027	Notes:
	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026		
Square Footage	9,481,156	9,500,000	9,500,000					
Electricity	\$7,320,000	\$6,900,000	\$7,200,000	\$7,300,000	\$7,800,000	\$10,500,000	\$10,500,000	Rate July-April \$0.0 /kWh, \$0.0 /kWh (thru 4/2028), TDSP avg \$0.03493
NG	\$310,000	\$310,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	
Water	\$1,700,000	\$1,836,000	\$1,836,000	\$1,836,000	\$2,100,000	\$2,100,000	\$2,100,000	
Cell	\$120,000	\$120,000	\$69,999					
UTILITIES TOTAL:	\$9,450,000	\$9,166,000	\$9,386,000	\$9,486,000	\$10,250,000	\$12,950,000	\$12,950,000	MTC to cover
Seheebade Energy HQ	\$5,500	\$6,938	\$7,244					
TEMA membership	\$375	\$500	\$500	\$500	\$650	\$650	\$650	Group of 3 (\$450) + Single (\$200) ---MTC covered
TEMA Training/Travel	\$3,000	\$4,200	\$4,200	\$4,200	\$4,200	\$4,200	\$4,200	2027 Conf sending 2, 2 virtual if possible
AEG	\$22,500	\$24,750	\$24,750	\$25,250	\$24,750	\$24,750	\$24,750	Extended rate through Aug 2029
District EMI Meetings	\$500	\$500	\$500	\$500	\$500	\$800	\$800	Food for 2 meetings (buying lunch now, not breakfast)
Benchmarking	\$3,250	\$3,250						
TASBO membership	\$135	\$145	\$145	\$145	\$145	\$145	\$145	For Veronica only
TASBO courses	\$500	\$500	\$500	\$500	\$500	\$500	\$500	For Veronica only
Rainbird Cellular	\$2,550	\$2,100	\$1,650	\$2,100	\$1,650	\$2,550	\$2,550	\$3,850 \$175/controller x 22 sites (more thermostats than last year)
NT Trending	\$2,000	\$2,000	\$2,700	\$2,000	\$2,700	\$3,400	\$3,400	\$9.95/ftstat. #40 333 tstats = \$9,983 \$3,314 (fewer thermostats than last year)
New Computers								
Total Added to MTC:		\$41,079	\$35,195	\$35,095	\$35,095	\$39,105	\$39,105	ADD TO MTC BUDGET

	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026 Projection
Past Years Costs:						
Electricity Budget	\$7,320,000	\$6,900,000	\$7,200,000	\$7,300,000	\$7,800,000	\$10,500,000
Electricity	\$6,577,744	\$7,200,864	\$6,768,018	\$7,654,635	\$8,001,293	
NG	\$227,025	\$330,812	\$346,544	\$282,408	\$286,330	
Water	\$1,490,796	\$1,636,632	\$1,839,279	\$1,899,940	\$1,694,387	
	\$8,295,565	\$9,168,308	\$8,953,841	\$9,830,983	\$9,982,010	

### Historical Electricity and Projections





- Pillar 4: Engagement & Education – facility programs, communication, evaluation, and education
  - The easiest and most effective ways to communicate with the public is through the website. For this reason, our website is current at all times. Community members may visit the website to find annual data when needed as well as historical data if they're interested. A screenshot of our website is attached.
  - Over the past few years, I have begun to tailor energy efficiency programs with not only facilities, but various departments as well. For instance, specific campuses have programs after-school that others may not have. I've worked closely with administrators to determine the least amount of AHUs needed to accommodate the needs of that specific campus. I've also been working closely with our Assistant Athletic Director to trim the number of hours requested for football practices & games. I do believe this resulted in a portion of our decrease in electricity usage this fiscal year. Usage tracking spreadsheet attached.
  - I provide quarterly updates and an annual report to upper administration. A copy of last year's annual report is attached. This report is passed up through cabinet and the Board and questions are asked if they see fit. These reports are also uploaded to the website annually so that community members have access. We also track Energy Cost Intensity and the Energy Use Index. Please find attached.
  - As stated previously, my goal is to have 100% representation from ALL facilities participate in the Energy Team. During these meetings, I work to provide useful and relevant information to district leadership that may be shared with staff. At the Fall meeting, each principal receives their campus data for the prior fiscal year, then I open it up for questions. It's amazing to see high school principals comparing data and asking questions of each other. All of the principals are competitive so this really gets them stirred up & makes them want to do better. I always give them a "take away" as well. This is knowledge that they can use at home. I also visit elementary campuses to educate students on the importance of energy efficiency on their campuses and at home. We tour their campus' chiller yard and mechanical room, then observe their campus on the BAS. They LOVE this! I ask them to guess how much it costs to operate their building for 1 year and they really have fun with this as well.

# Klein ISD – Energy Management District Website

Maintenance | Klein ISD

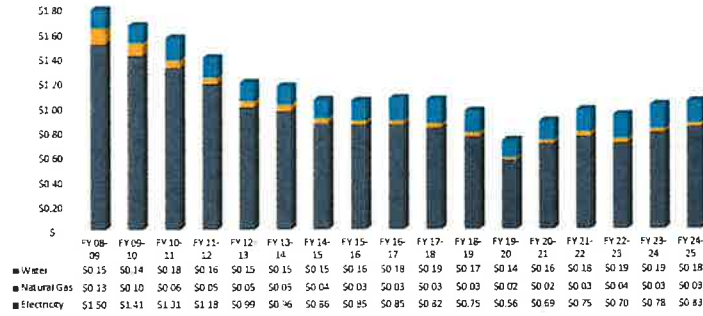
kleinsd.net/page/maintenance

Energy Manager Computer Power M... Abraxas Calculator BAS Irrigation Controls Imported Energy HQ - Nimble Degree Days - Han... All Bookmarks

**KLEIN ISD** TRANSPARENCY SCHOOLS TRANSLATE SIGN IN ENROLL CAREERS KEEP KLEIN SAFE

- Special Programs (SPED/504) ▾
- Student Information & Data Service ▾
- Student Services ▾
- Teaching & Learning ▾
- Technology Services ▾
- Transportation ▾

Utility Cost Intensity (\$/sqft)



Fiscal Year	Electricity		Natural Gas		Total Water		Total Utility Cost (\$)	UCI (\$/sqft)
	Use (kWh)	Cost (\$)	Use (cst)	Cost (\$)	Use (Gal)	Cost (\$)		
20-21	80,488,902	\$ 6,577,744	469,555	\$ 227,025	137,720,181	\$ 1,490,796	\$ 8,295,565	\$ 0.87
21-22	87,795,569	\$ 7,200,865	461,757	\$ 310,813	155,494,956	\$ 1,723,274	\$ 9,254,952	\$ 0.97
22-23	86,412,777	\$ 6,768,078	431,220	\$ 346,544	168,378,738	\$ 1,839,279	\$ 8,951,841	\$ 0.92
23-24	95,886,485	\$ 7,654,635	489,010	\$ 282,408	170,924,362	\$ 1,893,940	\$ 9,830,983	\$ 1.00
24-25	96,950,844	\$ 8,001,293	512,250	\$ 286,330	158,756,963	\$ 1,694,387	\$ 9,982,010	\$ 1.03

\*\* Monthly historical data is available back to FY2008.

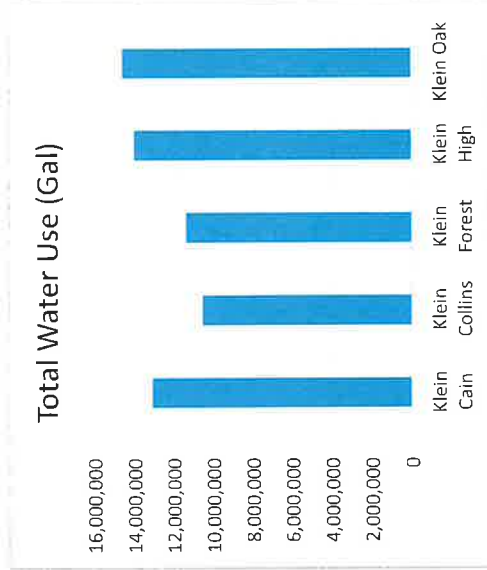
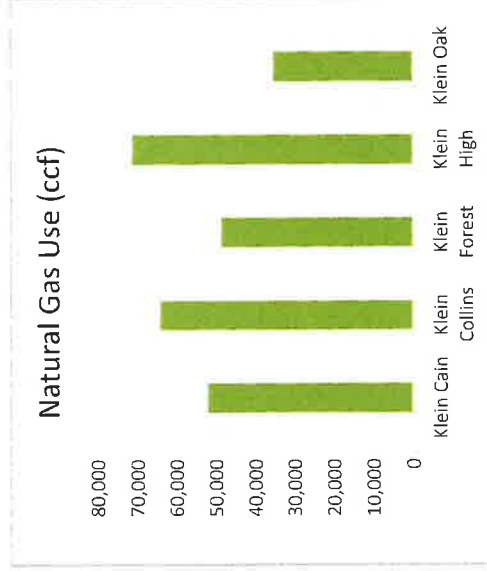
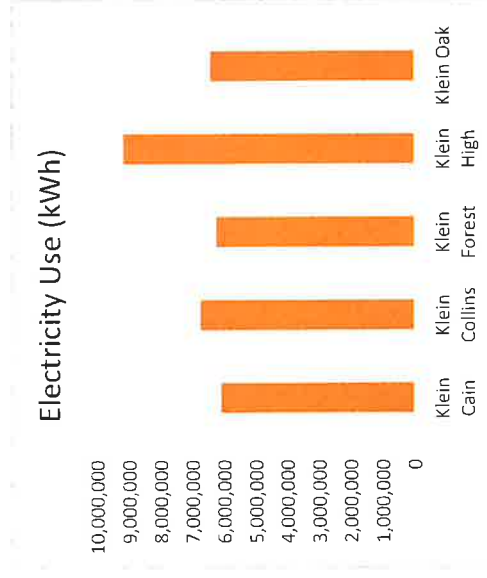
Klein ISD – Usage Tracking for Electricity Challenge

	10 month kWh	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	TOTAL	% Used
Bernshausen	707,568	78,238	61,491	55,205	43,422	57,543						295,899	41.8%
Ehrhardt	759,292	93,580	76,463	68,785	56,606	71,323						366,757	48.3%
Hassler	793,490	106,977	90,860	72,329	54,953	74,771						399,890	50.4%
Hildebrandt	1,465,190	155,721	128,553	108,901	89,883	107,957						591,015	40.3%
Hofius	1,114,483	155,985	124,679	102,856	79,330	100,414						563,264	50.5%
DAEP	899,287	126,279	111,631	89,536	68,200	89,870						485,516	54.0%
<b>Kleb*</b>	1,218,392	183,694	200,983	179,954	95,318	137,445						797,394	65.4%
Krimmel	1,253,194	155,850	140,092	118,500	101,629	32,094						548,165	43.7%
Cain	4,613,748	669,551	564,108	499,698	411,157	496,527						2,641,041	57.2%
Collins	5,370,586	707,242	591,442	468,792	377,348	478,337						2,623,161	48.8%
Forest	5,241,605	659,456	577,451	518,888	409,104	486,361						2,651,260	50.6%
KHS	6,994,537	967,603	879,349	755,348	678,063	716,974						3,997,337	57.1%
Oak	4,826,963	653,147	555,449	456,604	368,020	472,680						2,505,900	51.9%
Krahn	932,003	121,362	97,959	84,626	69,002	93,066						466,015	50.0%
Kreinhop	894,416	123,073	102,930	86,183	73,714	110,855						496,755	55.5%
Mahaffey	750,578	107,377	85,109	71,352	53,158	68,825						385,821	51.4%
McDougle	1,036,099	175,255	150,191	109,129	97,871	138,972						671,418	64.8%
N & S Trans	637,879	72,834	68,020	64,083	59,316	65,086						329,339	51.6%
Roth	856,829	110,629	91,691	73,560	52,651	72,004						400,535	46.7%
Schindewolf	1,168,396	150,462	130,402	120,549	94,309	114,589						610,311	52.2%
Schultz	829,304	104,271	85,065	79,328	67,371	79,910						415,945	50.2%
Theiss	605,743	86,932	67,304	54,634	40,887	56,536						306,293	50.6%
Ulrich	1,463,647	174,664	143,249	126,836	102,477	131,780						679,006	46.4%
Zwink	975,897	124,411	99,600	79,954	69,041	86,047						459,053	47.0%
Kaiser	862,332	143,629	117,360	89,967	59,340	89,791						500,087	58.0%
Flex	409,023	56,461	47,041	41,338	35,586	48,716						229,142	56.0%

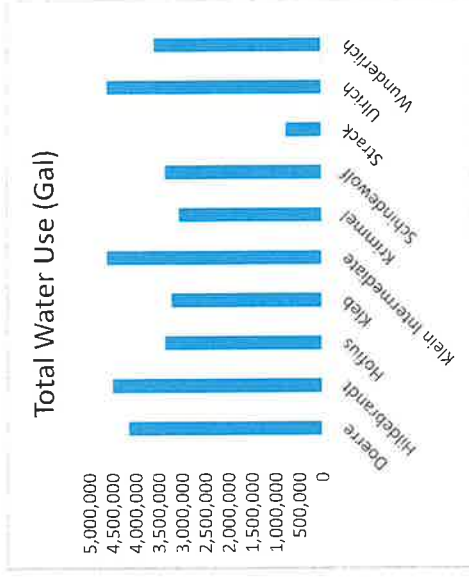
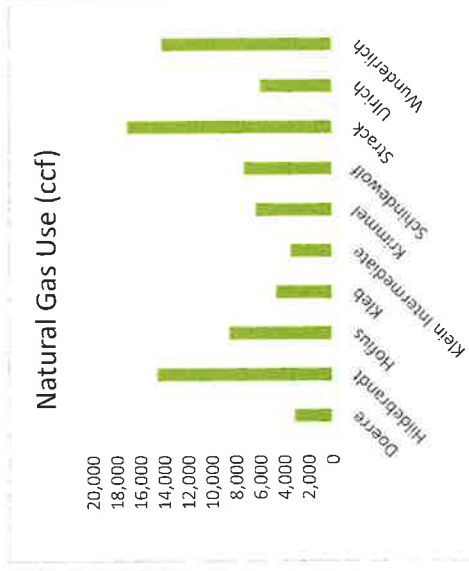
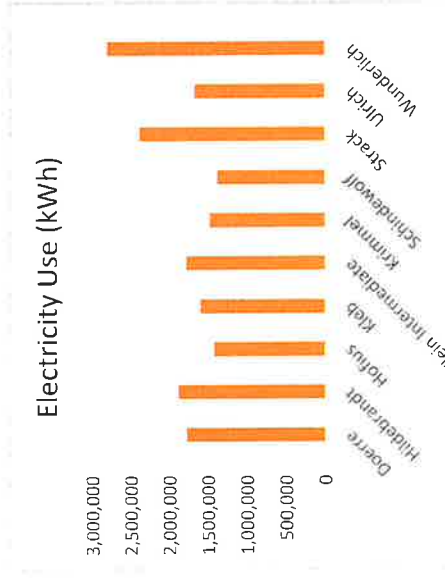
**FY 2025  
Annual Utility Report**

**High Schools  
July 2024 - June 2025**

	Electricity Use (kWh)	Electricity Cost	Natural Gas Use (ccf)	Natural Gas Cost	Total Water Use (Gal)	Total Water Cost	Total Utility Cost	\$/ft <sup>2</sup>
Klein Cain	6,164,319	\$ 457,656	52,660	\$ 28,252	13,223,000	\$ 119,557	\$ 605,465	\$ 0.87
Klein Collins	6,813,479	\$ 527,211	64,780	\$ 32,971	10,673,800	\$ 183,019	\$ 743,201	\$ 1.21
Klein Forest	6,321,762	\$ 488,195	49,270	\$ 25,838	11,491,200	\$ 124,744	\$ 638,777	\$ 0.81
Klein High	9,261,428	\$ 690,596	71,940	\$ 36,069	14,130,513	\$ 143,975	\$ 870,640	\$ 1.22
Klein Oak	6,502,307	\$ 499,107	36,030	\$ 19,137	14,734,973	\$ 181,441	\$ 699,686	\$ 0.98



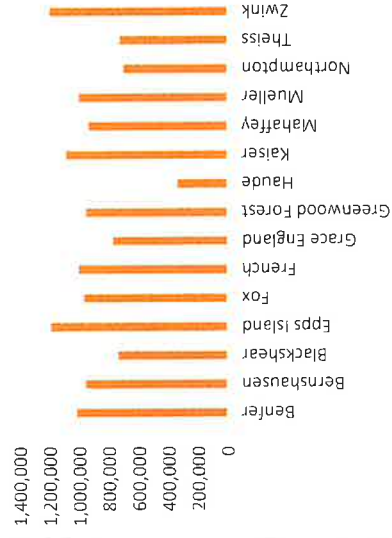
	Electricity Use (kWh)	Electricity Cost	Natural Gas Use (ccf)	Natural Gas Cost	Total Water Use (Gal)	Total Water Cost	Total Utility Cost	\$/ft <sup>2</sup>
<b>Doerre</b>	1,811,769	\$ 144,267	3,390	\$ 2,123	4,192,000	\$ 24,080	\$ 170,470	\$ 0.97
<b>Hildebrandt</b>	1,918,330	\$ 146,386	14,820	\$ 7,588	4,539,027	\$ 55,892	\$ 209,865	\$ 0.95
<b>Hofius</b>	1,456,247	\$ 125,315	8,780	\$ 5,028	3,410,000	\$ 28,289	\$ 158,632	\$ 0.76
<b>Kleb</b>	1,633,698	\$ 124,301	4,930	\$ 2,934	3,272,551	\$ 32,703	\$ 159,937	\$ 0.92
<b>Klein Intermediate</b>	1,815,723	\$ 153,853	3,690	\$ 2,239	4,656,670	\$ 36,064	\$ 192,155	\$ 1.02
<b>Krimmel</b>	1,511,618	\$ 133,488	6,580	\$ 3,725	3,108,000	\$ 28,222	\$ 165,435	\$ 0.85
<b>Schindewolf</b>	1,416,695	\$ 125,600	7,560	\$ 4,169	3,403,241	\$ 58,354	\$ 188,123	\$ 1.03
<b>Strack</b>	2,420,657	\$ 189,929	17,331	\$ 8,747	814,500	\$ 7,014	\$ 205,691	\$ 0.97
<b>Ulrich</b>	1,707,016	\$ 140,257	6,200	\$ 3,944	4,648,000	\$ 36,652	\$ 180,852	\$ 0.91
<b>Wunderlich</b>	2,836,871	\$ 219,086	14,410	\$ 7,668	3,628,800	\$ 39,393	\$ 266,146	\$ 1.07



*Electric heat campuses are italicized*

	Electricity Use (kWh)	Electricity Cost	Natural Gas Use (ccf)	Natural Gas Cost	Total Water Use (Gal)	Total Water Cost	Total Utility Cost	\$/ft <sup>2</sup>
Benfer	1,037,424	\$ 81,398	7,079	\$ 3,573	271,500	\$ 2,338	\$ 87,309	1.00
Bernshausen	974,714	\$ 86,989	6,270	\$ 3,659	4,488,000	\$ 31,376	\$ 122,024	1.02
Blackshear	757,231	\$ 67,512	3,790	\$ 2,489	2,233,000	\$ 24,618	\$ 94,618	0.79
Epps Island	1,212,462	\$ 101,244	2,320	\$ 1,861	1,263,000	\$ 15,207	\$ 118,312	1.12
Fox	985,929	\$ 87,069	4,890	\$ 3,151	893,000	\$ 8,359	\$ 98,579	0.81
French	1,023,183	\$ 96,629	7,800	\$ 4,250	1,564,102	\$ 18,257	\$ 119,136	0.94
Grace England	789,494	\$ 78,644	4,900	\$ 3,015	758,000	\$ 5,360	\$ 87,019	1.32
Greenwood Forest	972,977	\$ 96,215	3,590	\$ 2,202	1,271,000	\$ 10,570	\$ 108,987	1.25
Haude	355,407	\$ 35,177	120	\$ 719	374,300	\$ 16,067	\$ 51,963	0.63
Kaiser	1,109,607	\$ 101,988	3,540	\$ 2,158	2,096,210	\$ 16,969	\$ 121,116	1.09
Mahaffey	955,014	\$ 98,881	7,540	\$ 4,140	2,923,000	\$ 18,857	\$ 121,878	0.92
Mueller	1,020,541	\$ 107,881	2,910	\$ 2,151	2,567,800	\$ 20,499	\$ 130,532	1.15
Northampton	720,605	\$ 71,645	5,650	\$ 3,057	1,068,000	\$ 10,530	\$ 85,232	1.06
Theiss	743,564	\$ 72,715	4,310	\$ 2,563	1,253,000	\$ 6,746	\$ 82,024	1.10
Zwink	1,221,195	\$ 98,770	8,690	\$ 4,674	2,542,000	\$ 16,044	\$ 119,488	0.95

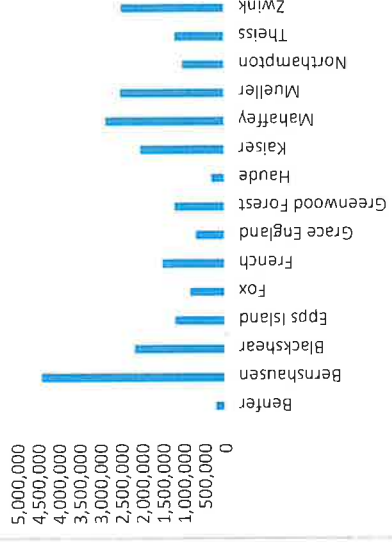
Electricity Use (kWh)



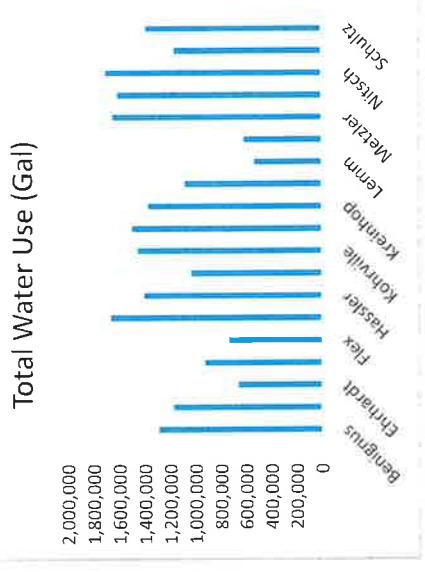
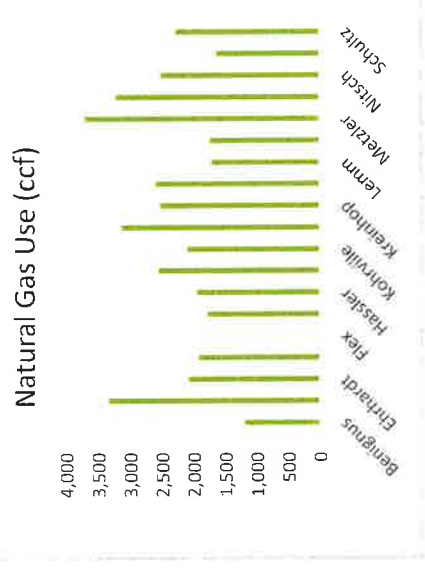
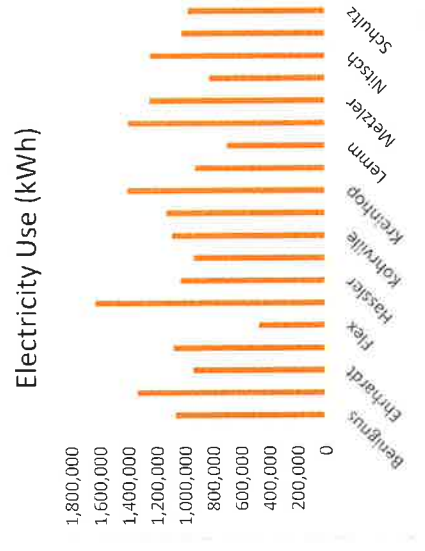
Natural Gas Use (ccf)



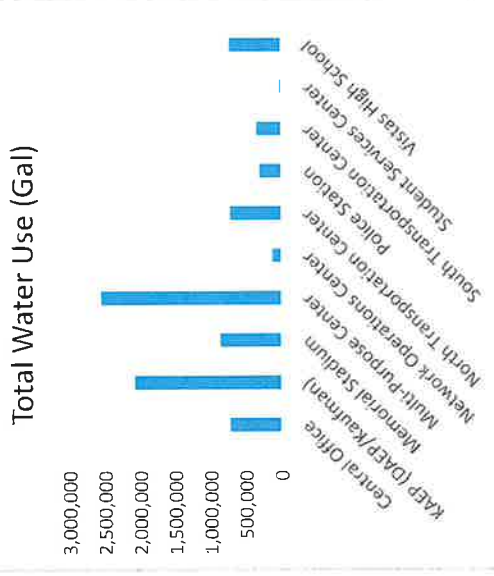
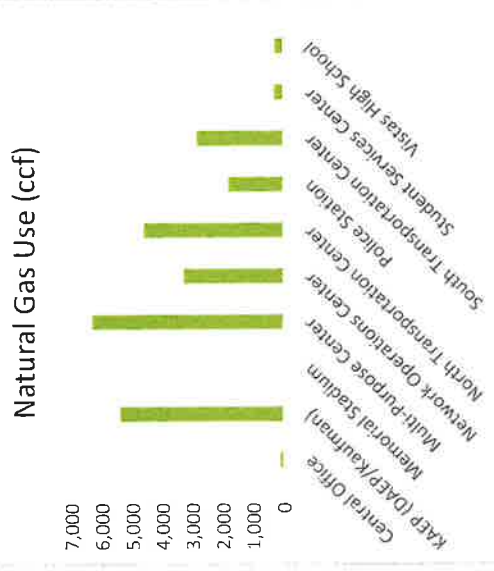
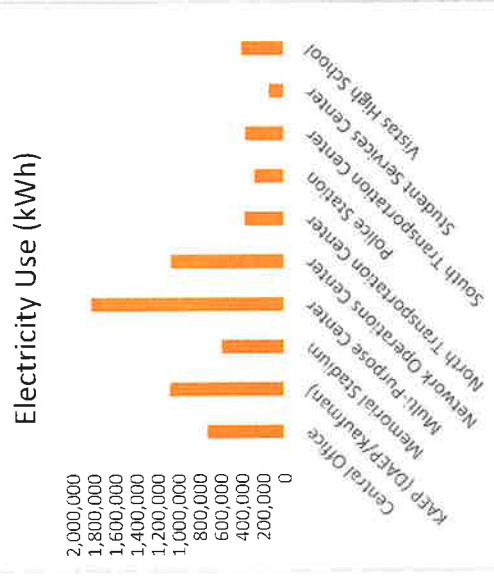
Total Water Use (Gal)



	Electricity Use (kWh)	Electricity Cost	Natural Gas Use (ccf)	Natural Gas Cost	Total Water Use (Gal)	Total Water Cost	Total Utility Cost	\$/ft <sup>2</sup>
Benignus	1,083,610	\$ 106,423	1,240	\$ 1,020	1,308,000	\$ 10,525	\$ 117,968	\$ 1.10
Brill	1,353,478	\$ 116,774	3,380	\$ 2,069	1,190,000	\$ 8,286	\$ 127,129	\$ 1.19
Ehrhardt	958,983	\$ 90,263	2,130	\$ 1,589	680,000	\$ 5,895	\$ 97,747	\$ 1.08
Eiland	1,097,939	\$ 98,402	1,970	\$ 1,533	946,000	\$ 6,440	\$ 106,375	\$ 1.13
Flex	490,796	\$ 61,092	0	\$ -	751,200	\$ 6,905	\$ 67,997	\$ 1.01
Frank	1,651,399	\$ 130,989	1,820	\$ 1,443	1,682,000	\$ 25,164	\$ 157,596	\$ 1.46
Hassler	1,047,453	\$ 86,850	1,990	\$ 1,485	1,425,000	\$ 18,413	\$ 106,748	\$ 1.10
Klenk	954,852	\$ 93,571	2,600	\$ 1,743	1,054,000	\$ 8,533	\$ 103,848	\$ 1.05
Kohrville	1,110,313	\$ 104,556	2,140	\$ 1,573	1,474,000	\$ 15,521	\$ 121,650	\$ 1.15
Krahn	1,148,572	\$ 101,474	3,180	\$ 1,976	1,517,000	\$ 32,043	\$ 135,492	\$ 1.20
Kreinhop	1,427,043	\$ 111,113	2,570	\$ 1,753	1,392,235	\$ 23,872	\$ 136,738	\$ 1.29
Kuehnle	946,786	\$ 89,398	2,640	\$ 1,770	1,100,000	\$ 14,308	\$ 105,476	\$ 1.14
Lemm	717,758	\$ 83,382	1,760	\$ 1,202	553,000	\$ 6,695	\$ 91,279	\$ 0.83
McDougle	1,419,554	\$ 111,853	1,780	\$ 1,444	632,000	\$ 11,232	\$ 124,529	\$ 1.19
Metzler	1,269,033	\$ 119,778	3,750	\$ 2,265	1,668,000	\$ 14,008	\$ 136,051	\$ 1.28
Mittelstadt	845,073	\$ 81,252	3,260	\$ 1,835	1,630,000	\$ 18,660	\$ 101,747	\$ 1.08
Nitsch	1,264,710	\$ 103,386	2,560	\$ 1,801	1,722,330	\$ 13,339	\$ 118,525	\$ 1.18
Roth	1,038,819	\$ 99,181	1,680	\$ 1,165	1,182,000	\$ 11,319	\$ 111,664	\$ 1.12
Schultz	995,880	\$ 89,169	2,320	\$ 1,662	1,405,000	\$ 10,337	\$ 101,168	\$ 1.10



	Electricity Use (kWh)	Electricity Cost	Natural Gas Use (ccf)	Natural Gas Cost	Total Water Use (Gal)	Total Water Cost	Total Utility Cost	\$/ft <sup>2</sup>
Central Office	753,043	\$ 69,821	210	\$ 561	764,750	\$ 9,983	\$80,365	\$ 1.57
KAEP (DAEP/Kaufman)	1,109,060	\$ 96,855	5,510	\$ 3,216	2,128,162	\$ 21,311	\$121,382	\$ 1.06
Memorial Stadium	615,742	\$ 68,344	0	\$ -	903,465	\$ 9,063	\$77,407	\$ 1.64
Multi-Purpose Center	1,856,244	\$ 155,569	6,430	\$ 4,356	2,602,000	\$ 18,861	\$178,786	\$ 1.37
Network Operations Center	1,099,967	\$ 67,413	3,390	\$ 1,879	163,875	\$ 2,139	\$71,431	\$ 5.00
North Transportation Center	399,747	\$ 31,366	4,720	\$ 3,033	764,750	\$ 9,983	\$44,382	\$ 1.34
Police Station	307,205	\$ 24,682	1,910	\$ 1,209	341,309	\$ 3,429	\$29,320	\$ 1.62
South Transportation Center	394,722	\$ 26,487	2,950	\$ 2,066	383,000	\$ 14,550	\$43,103	\$ 2.66
Student Services Center	168,300	\$ 12,702	400	\$ 619	68,000	\$ 938	\$14,259	\$ 1.18
Vistas High School	426,569	\$ 40,519	380	\$ 620	769,000	\$ 6,565	\$47,704	\$ 1.37



## Klein ISD Energy Statistics year over year

Year	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
<b>SQFT</b>	6,556,467.00	6,638,585.00	6,638,813.00	7,274,132.00	7,302,070.00	7,884,205.00
<b>\$/sqft</b>	\$ 1.93	\$ 1.79	\$ 1.69	\$ 1.52	\$ 1.39	\$ 1.15
<b>EUI</b>	65	57.52	54.67	47.02	45.25	42.29

Year	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
<b>SQFT</b>	7,870,805.00	8,135,941.00	8,261,013.00	8,986,968.00	9,018,803.00	9,491,406.00
<b>\$/sqft</b>	\$ 1.14	\$ 1.03	\$ 1.02	\$ 0.97	\$ 1.06	\$ 0.94
<b>EUI</b>	42	38.96	42.1	37.31	37.01	35.58

Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
<b>SQFT</b>	9,503,415.00	9,481,156.00	9,541,925.00	9,592,349.00	9,670,115.00	9,676,430.00
<b>\$/sqft</b>	\$ 0.70	\$ 0.87	\$ 0.97	\$ 0.93	\$ 1.02	\$ 1.03
<b>EUI</b>	25.81	34.02	36.33	35.32	38.98	39.34

## Sustainability and Long-Term Commitment

Klein ISD's Energy Management Program is designed for long-term sustainability. District leadership has consistently supported conservation initiatives through major challenges, including Winter Storm Uri, Hurricane Beryl, and ongoing energy market volatility. This top-down support has ensured continuity, credibility, and long-term effectiveness.

Looking ahead, the district remains committed to refining operational controls, expanding participation in efficiency and demand-response programs, and maintaining behavioral conservation as a core strategy. The combination of formal policy, active governance, and continuous stakeholder engagement ensures the program remains resilient and scalable for future growth.

## Conclusion

Klein ISD's Energy Management Program represents a best-in-class example of how public school districts can achieve measurable financial savings, operational reliability, and cultural alignment through disciplined energy management. By pairing strong governance with data-driven operations and sustained collaboration, the district has transformed energy management into a strategic asset.

This program demonstrates sustained excellence, measurable impact, and long-term vision, fully embodying the intent of the Program of the Year award and serving as a model for other public-sector organizations to follow.

<https://drive.google.com/open?id=1gKpbKzwBtxjO01JZDvkAFMErmftL5Qoe>

## Note 1:

**Klein works closely with an energy consultant to ensure the lowest electricity and natural gas rates are procured. The budget is monitored closely and quarterly reports are shared with upper-level administration throughout the year. Paying close attention to upcoming fee/rate increases for all utilities helps us to prepare early for adjustments if needed. Our department has a process in which we monitor our water and electrical meters, via Eye On Water and Building Optimization Technologies. When a leak / excessive use is observed, our plumbing team is quick to respond. When an issue / spike is observed in electricity, our Commissioning Agent steps in and begins to isolate the cause. Klein works diligently to be proactive as much as possible in order to decrease the number of times we need to be reactive.**