



Operations Report

Eddie Dauterive | Chief Operations Officer

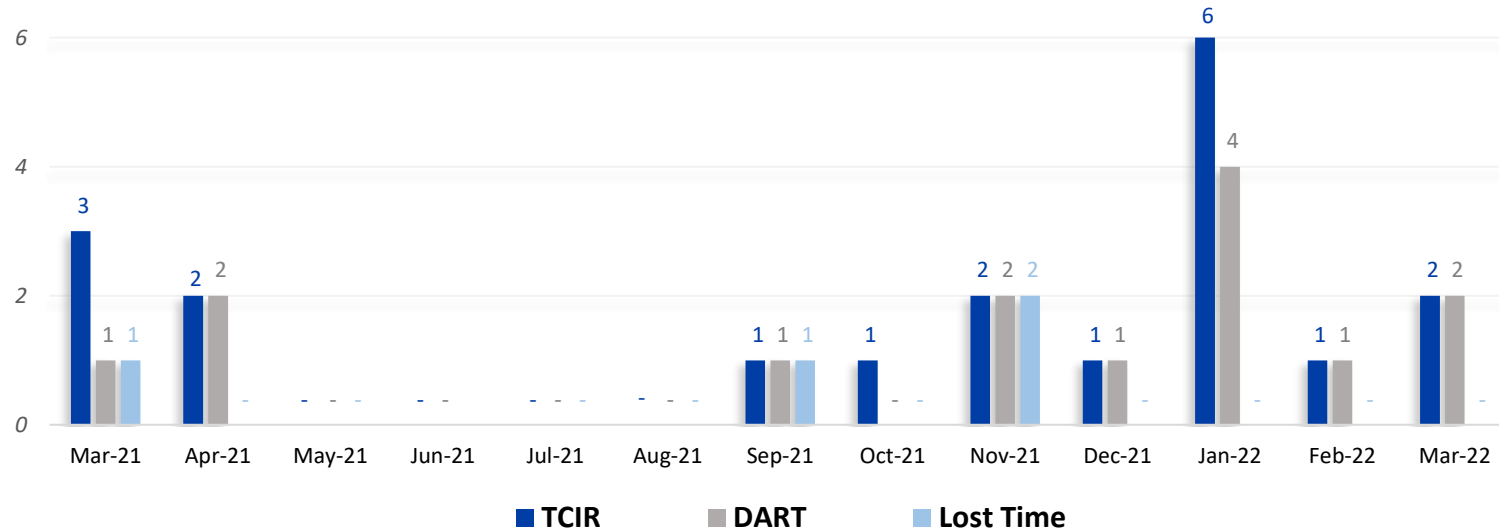
April 14, 2022

Safety & Technical Training

Personal Incidents

Reportable Injuries, Days Away, and Lost Time Incidents

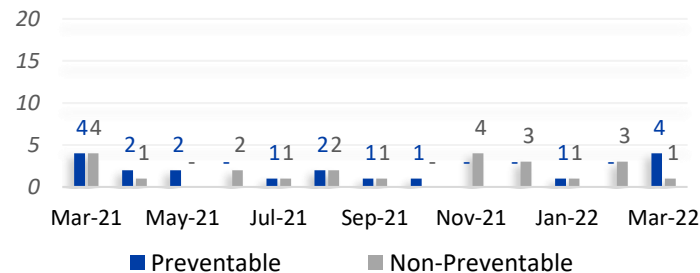
2021 YTD: DART Days - 69, Lost Time - 26
2022 YTD: DART Days - 83, Lost Time - 0



Vehicle Incidents

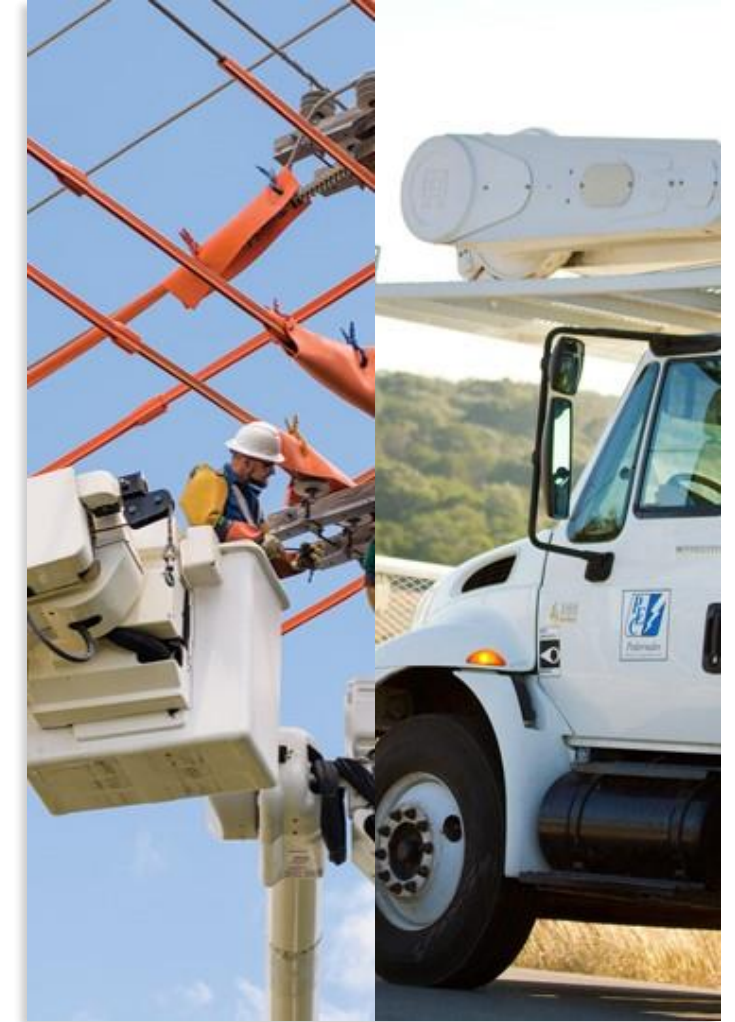
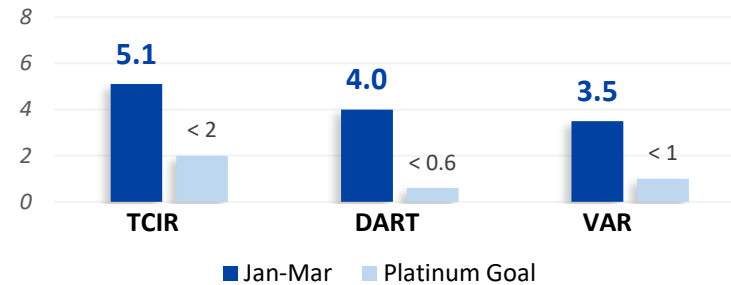
Preventable & Non-Preventable

Preventable:
2021 YTD: 5
2022 YTD: 5



KPI Progression

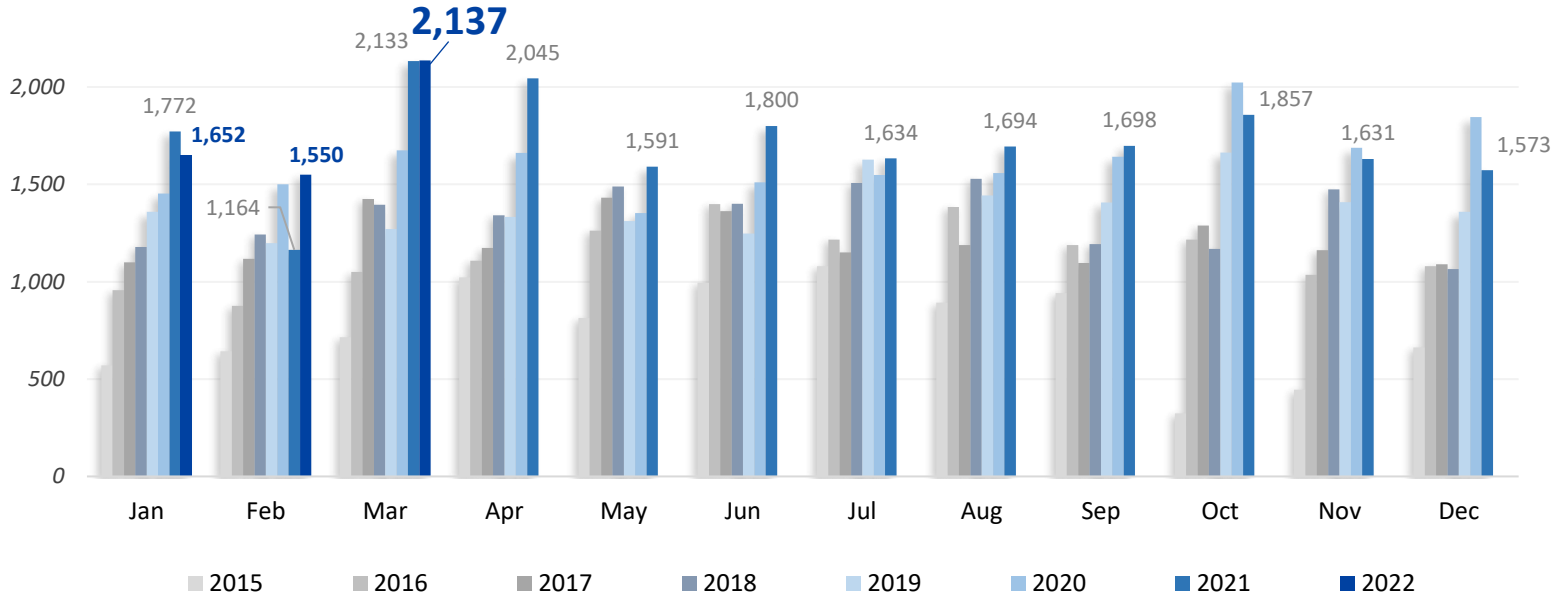
2022 Period One



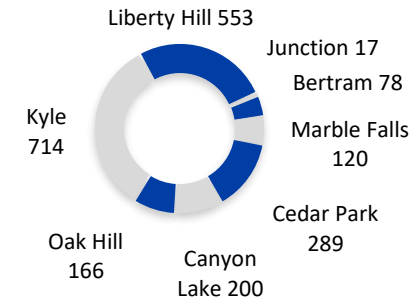
System Growth

Line Extensions Completed

2019: 16,640 2020: 19,458 2021: 20,592 2022 YTD: 5,339



Line Extensions Per District (2,137)

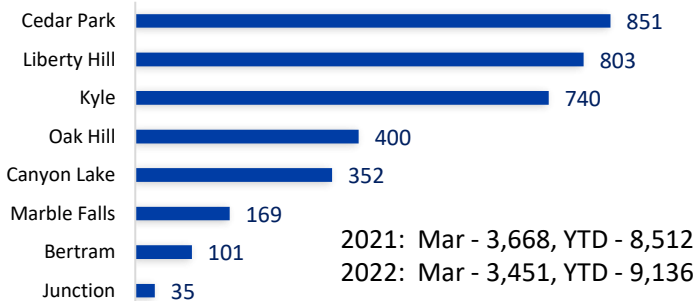


Miles of Distribution Line:

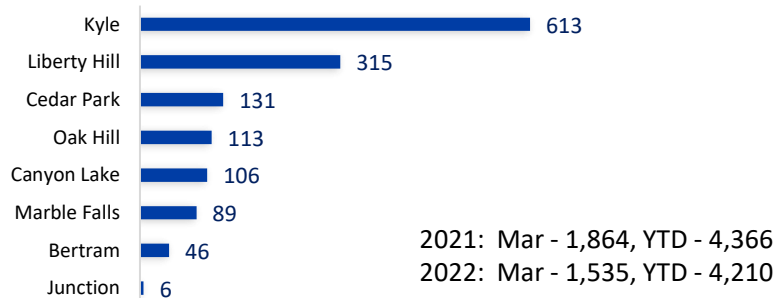
Underground: 6,458 (27%)
 Overhead: 17,492 (73%)
 Total: 23,950



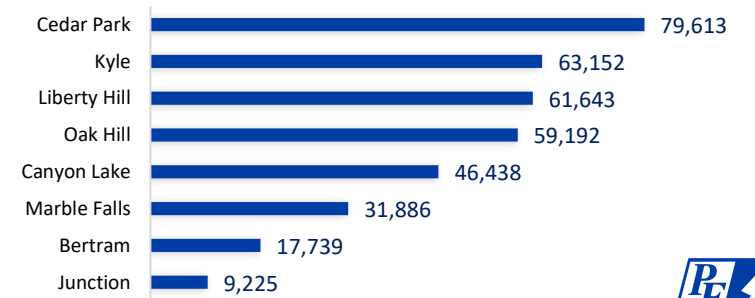
Member Growth (3,451)



Meter Growth (1,535)

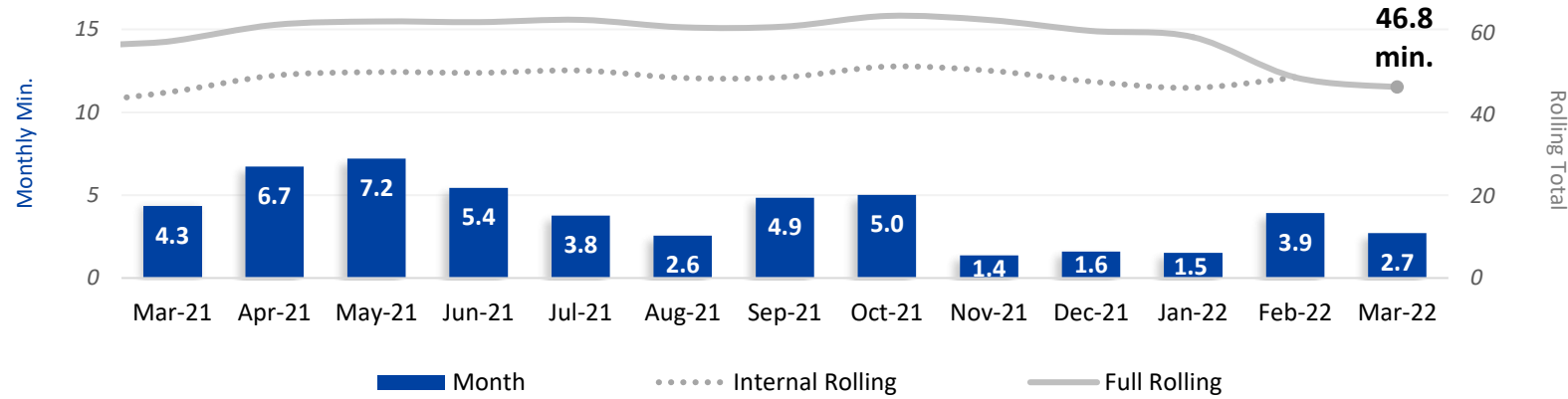


Meter Totals (368,888)

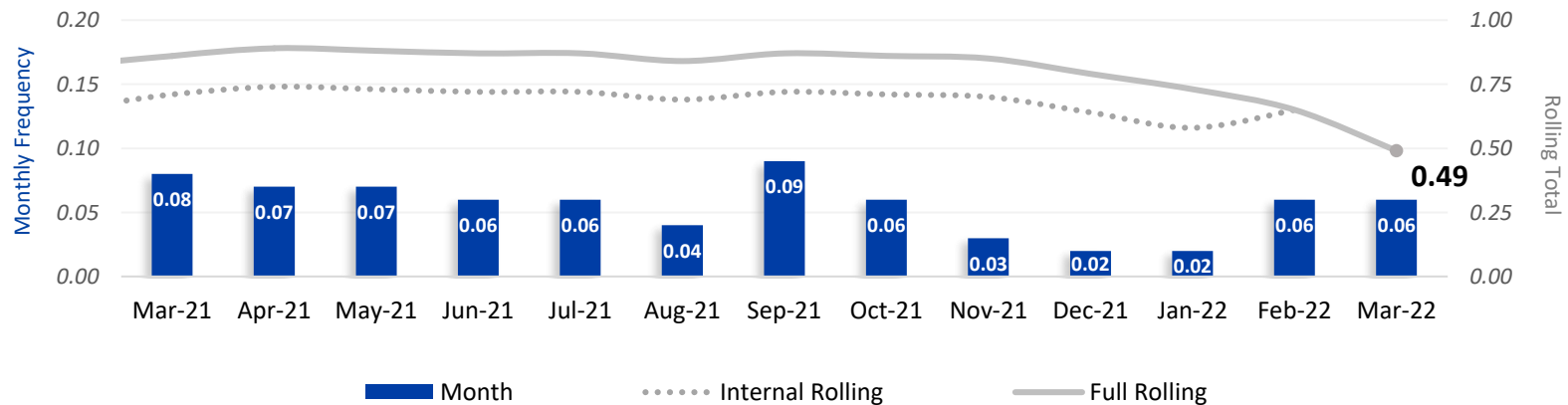


Reliability

System Average Interruption Duration Index (SAIDI)



System Average Interruption Frequency Index (SAIFI)

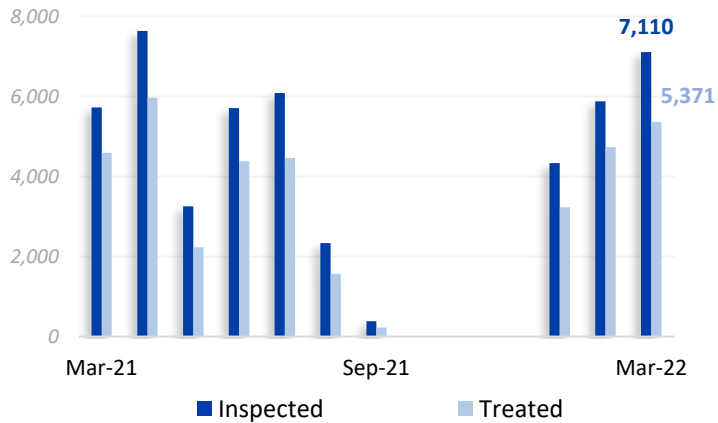


System Maintenance

Pole Testing & Treatment (PTT)

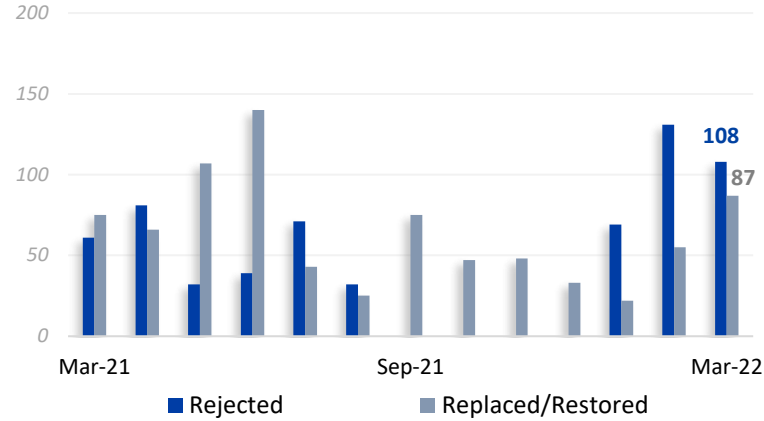
Poles Inspected & Treated

2021 YTD: Inspections - 14,062, Treated - 11,661
 2022 YTD: Inspections - 17,324, Treated - 13,342



Poles Rejected & Replaced/Restored

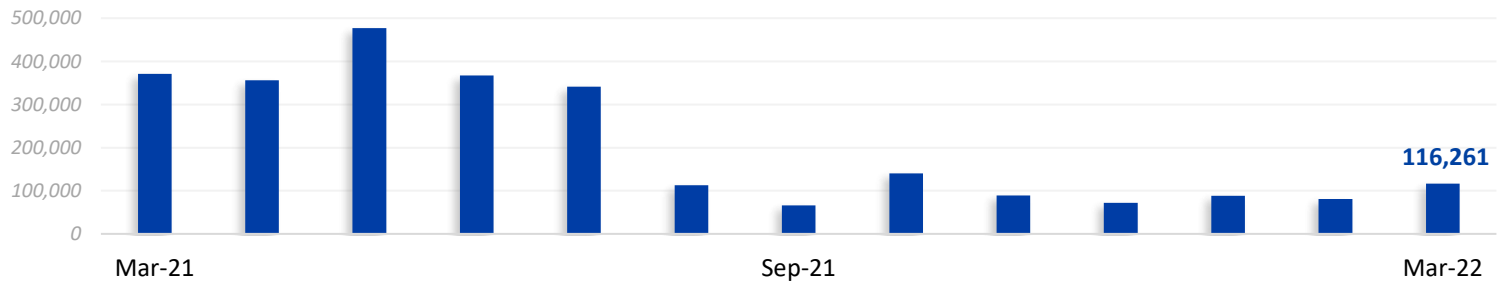
2021 YTD: Rejected - 371, Restored - 249
 2022 YTD: Rejected - 308, Restored - 164



Vegetation Management

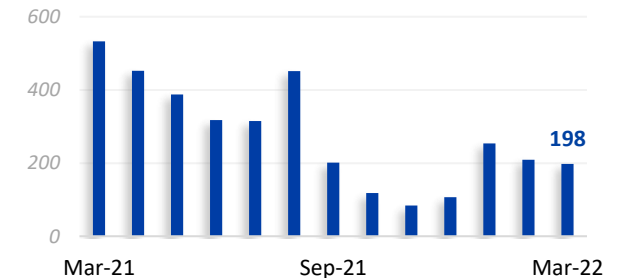
Vegetation Pruned (Ft.)

2021 YTD: 821,491 ft. Mar. Miles Pruned: 22 mi.
 2022 YTD: 285,514 ft. Mar. Locations Worked: 1,251



URD Pad Restorations

2021 YTD: 1,205
 2022 YTD: 661

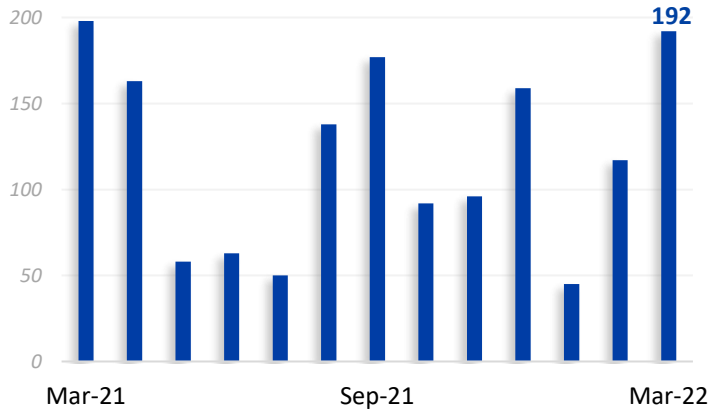


System Maintenance

Technical Services

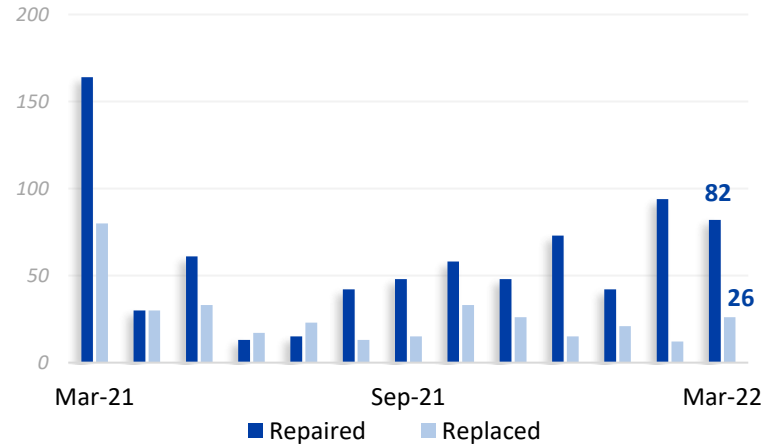
Equipment Inspections

2021 YTD: 432
2022 YTD: 354



Equipment Repaired & Replaced

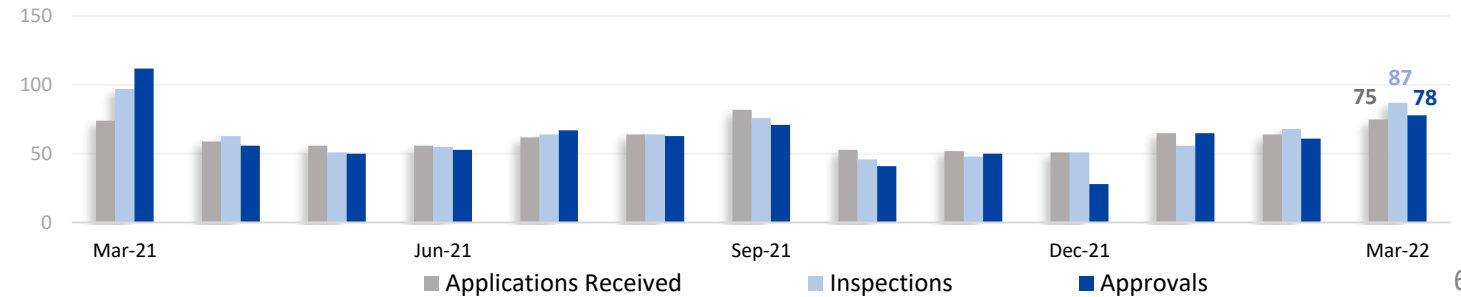
2021 YTD: Repaired - 242, Replaced - 135
2022 YTD: Repaired - 196, Replaced - 59



Pole Contacts

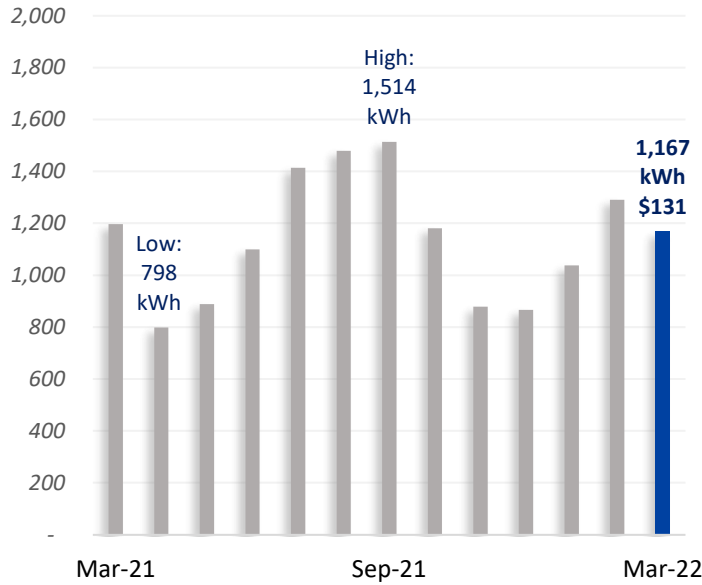
Applications Received & Permits Issued

2021 YTD: Received - 184, Inspected - 219, Approved - 221
2022 YTD: Received - 204, Inspected - 211, Approved - 204



Member Relations

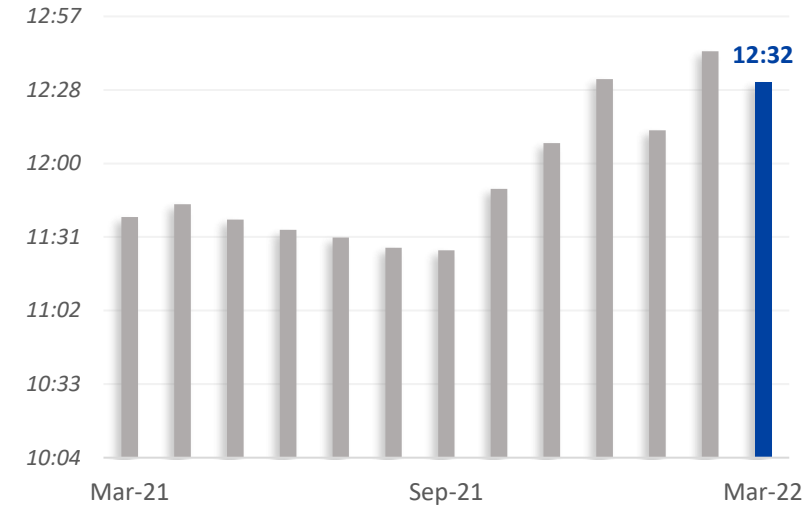
Average Residential Usage



Member Contacts

Average Handle Time

Mar. Phone Contacts: 28,694
Mar. Office Contacts: 6,854

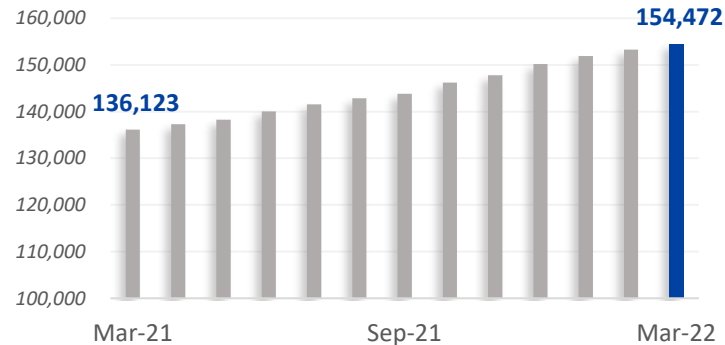


Contact Types

2021: 419,277 Contacts

Main Contact Types	Mar. Totals	
Service Request	9,581	26%
Payment	7,725	21%
Billing Inquiry	5,292	14%
Payment Arrangement	2,775	7%
Account Update	2,051	5%
Autopay Deposit Waiver	1,779	5%

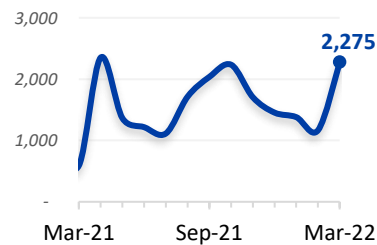
Paperless Enrollments



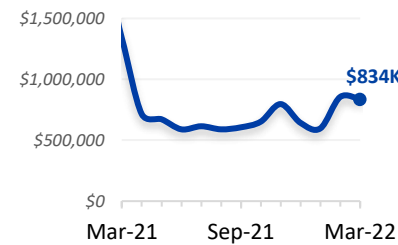
Collections

1 day with no collection activity due to weather

Remote Disconnects



Aged Balances



Energy Services

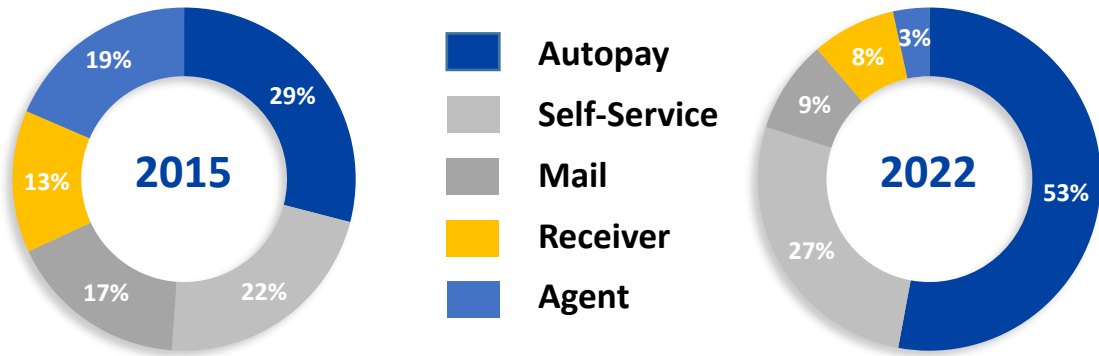
2021 YTD: Audits - 88, Insp. - 354
2022 YTD: Audits - 80, Insp. - 524



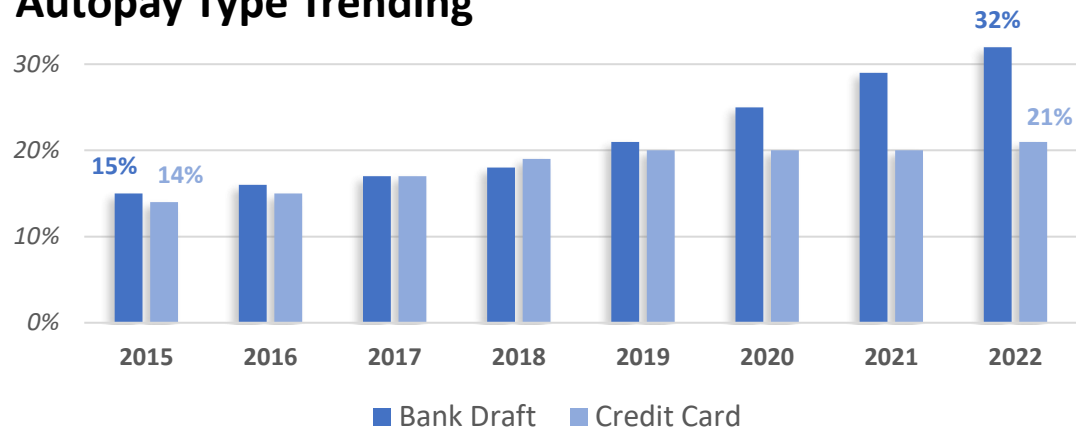
Automation Trending

Payment Types

This year, 53% of all payments have been automatic payments.

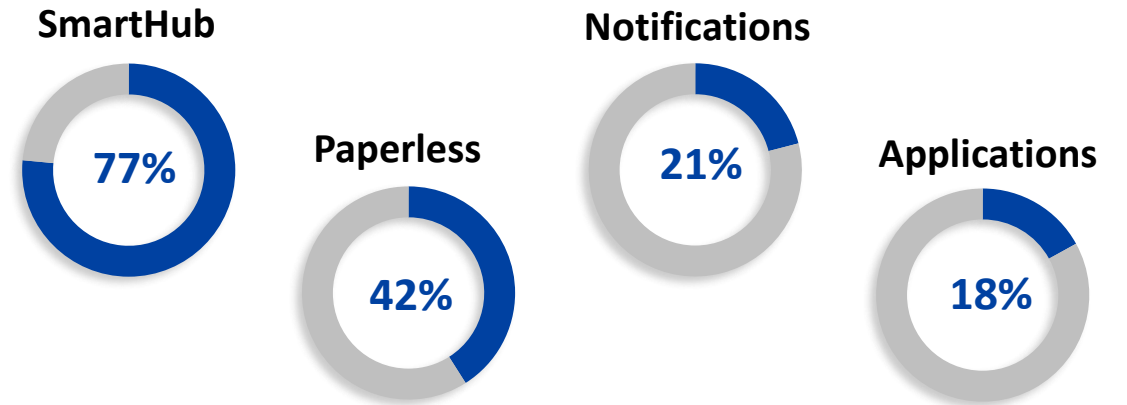


Autopay Type Trending

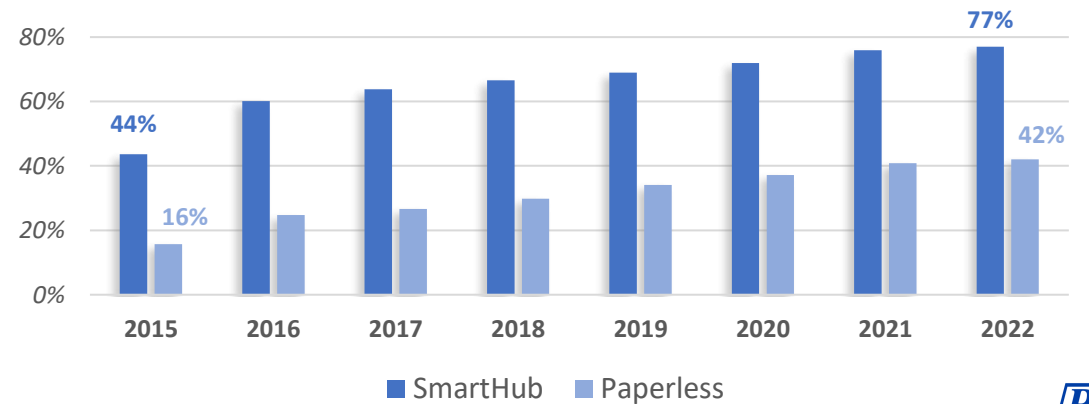


Online Options

77% of all accounts are registered for online access.



Enrollment Trending



Transmission Projects

Projects Completed:

- **Whitestone - Blockhouse – Leander** line upgrade (*Cedar Park*):
 - Completed line construction between Blockhouse and Leander.

Projects in Construction:

- **Wirtz to Flatrock to Paleface** (*Marble Falls*):
 - 17 miles, increases clearance over Lake Marble Falls, completes the overhaul begun in 2018, and increases capacity of transmission line to 440 MVA as part of Wirtz RAS exit strategy.
 - Construction to continue through Spring 2022.
- **Whitestone - Blockhouse – Leander** line upgrade (*Cedar Park*):
 - 5.25 miles, rebuild existing 138 kV line to 440 MVA capacity.
 - Finalizing supplemental easements. Completion scheduled for Q2 2022.



Transmission Projects

Projects in Engineering:

- **Marshall Ford to Trading Post to Cedar Valley to Friendship to Rutherford** (*Oak Hill*):
 - 15.41 mi., analysis shows a need to replace structures to meet current NESC requirements.
 - ERCOT RPG review under way, construction expected to begin in Q3 2022.
- **Dripping Springs to Rutherford Relocation** (*Oak Hill*):
 - On hold pending direction from developer and resolution of complaint filed at PUCT.
- **Lago Vista to Nameless to Leander Transmission Overhaul** (*Cedar Park and Liberty Hill*):
 - Coordinating with Substation Design for cut-in to Hero Way Substation.
- **Sattler to Fischer** (*Canyon Lake*):
 - Raise crossing over Canyon Dam discharge channel.
 - U.S. Army Corps of Engineers granted extension of permit for existing facilities through Jan. 2023.
 - Scope and estimate being developed to request budget.
- **Miller Creek to Henly** (*Oak Hill*):
 - Respacing between shield wire and conductor to reduce outage vulnerability during extreme weather.
 - Scope and estimate being developed to request budget.



Substation Projects

Projects in Construction:

- **T469 Whitestone to Blockhouse Remote Ends** (*Cedar Park*):
 - Whitestone - Line protection relay panel end-to-end testing and commissioning after T-line upgrade is complete.
 - Blockhouse - Line protection relay panel end-to-end testing and commissioning after T-line upgrade is complete.
 - Scheduled completion in May 2022.
- **Wirtz to Flatrock to Paleface** (*Marble Falls*):
 - Supporting transmission line upgrade project.
 - Wirtz – 138 kV breaker replacements, line relay, and breaker failure panel replacements.
 - Flatrock – 138 kV breaker and line relay panel additions.
 - Paleface – 138 kV Bus reconfiguration, 138 kV switch replacements, and new line protection relay panels.
 - Completion in Apr. 2022.
- **Substation Satellite Clock Installations** (*Various Locations*):
 - Time synchronization for digital relays.

Projects in Engineering:

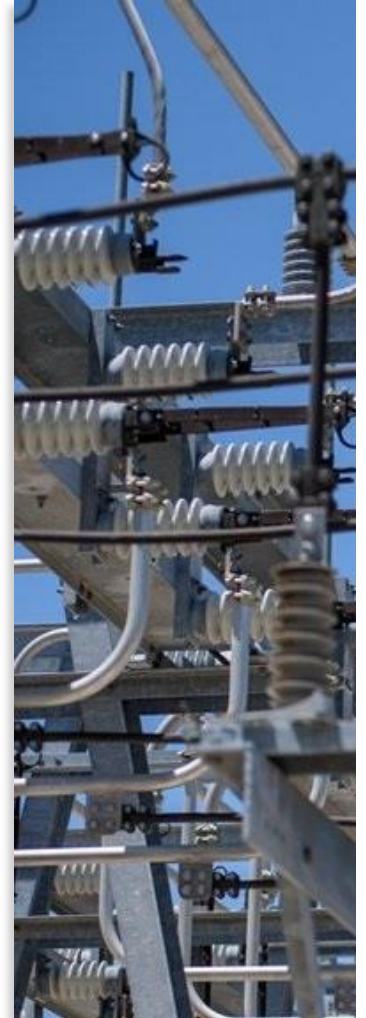
- **Mobile Substation Upgrades:**
 - Mobile #1: Upgrade circuit switcher to 40KA and 25 KV breaker and relaying to SEL digital protection relays.
 - Mobile #2: Upgrade circuit switcher to 40KA and SEL digital protection relays.
 - Mobile #3: Upgrade circuit switcher to 40KA.



Substation Projects

Projects in Engineering:

- **138KV Breaker Upgrades:**
 - Sattler: Upgrade OCBs 5580 & 5590 to SF6 Gas Breakers.
 - Cranes Mill: Upgrade OCBs 8580 & 8590 to SF6 Gas Breakers.
 - Buttercup: Upgrade 138KV Operating Bus to Double Breaker/Double Bus configuration.
 - Marshall Ford: CBs 8020, 9170, & 9180. Replace control cables.
- **Copperas Cove:** Addition of T1 25KV Total Main Breaker.
- **Gabriel:** T4 transformer relay panel upgrade.
- **Hero Way:** New substation.
- **Seward Junction:** T3 addition.
- **Kyle:** T1 upgrade to 46.7 MVA.
- **Junction:** Substation rebuild & relocation.

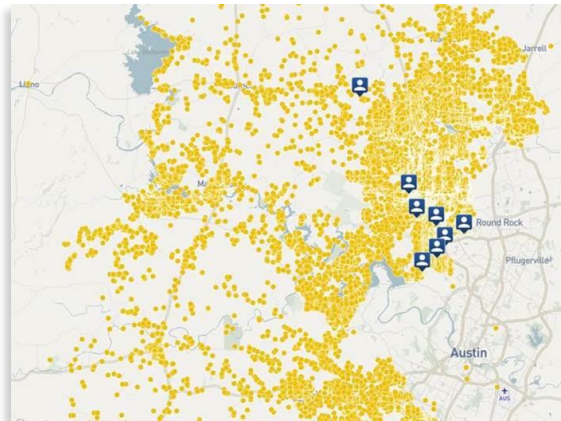


AMI Distribution

- The Project is **30%** complete overall.
- Exchanges have been paused in the Eastern territory due supply shortages:
 - Global component shortages from Sep. 2021 – Sep. 2022.
 - Project has transitioned to the Junction District to upgrade TWACS meters.

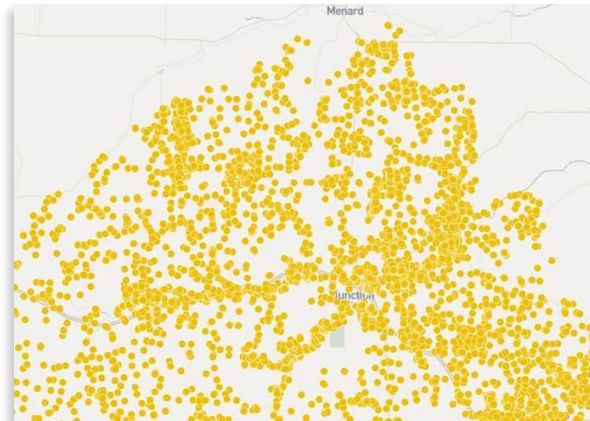
Eastern Territory Exchanges

- Liberty Hill District: 100%
- Cedar Park: 39%
- Meters Exchanged: 105,000
- Letters & Emails: 166,000
- Member Opt-Outs: 51



Western Territory Exchanges

- Junction Exchanges: 98%
- Meters exchanged: 6,700
- Letters & Emails: 6,500
- Member Complaints: 7



Allegiant Flyer

A flyer template for Allegiant Utility Services. The flyer features a light blue background with a white house silhouette. The text on the flyer reads: "On behalf of Pedernales Electric Cooperative, Allegiant Utility Services needs to change your electric meter. Please call us to make an appointment." Below this is the Allegiant Utility Services logo. The text continues: "An Allegiant technician came to change your meter but could not gain access. The process takes less than five minutes and the residence may be without power during that time." It then provides the phone number "888-502-1845" and a field for "DATE VISITED". At the bottom, there is a green bar with the text "Learn more at pec.coop/AMI." and a placeholder "(STICKER HERE)".

Cooperative Lighting Services

PEC began its Lighting Services contract with NextEra Energy Solutions in Nov. 2021.

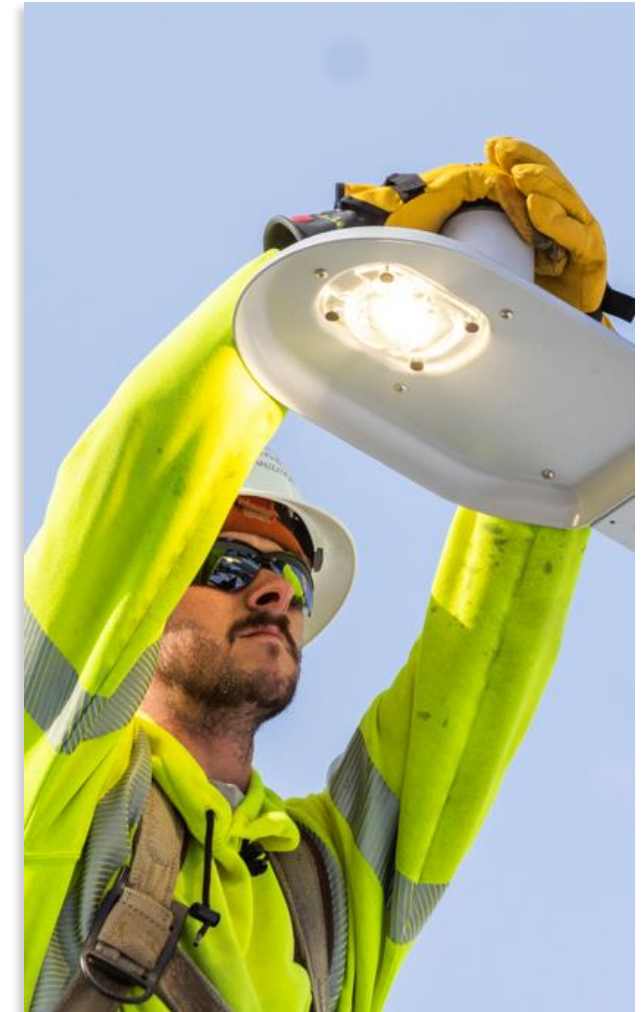
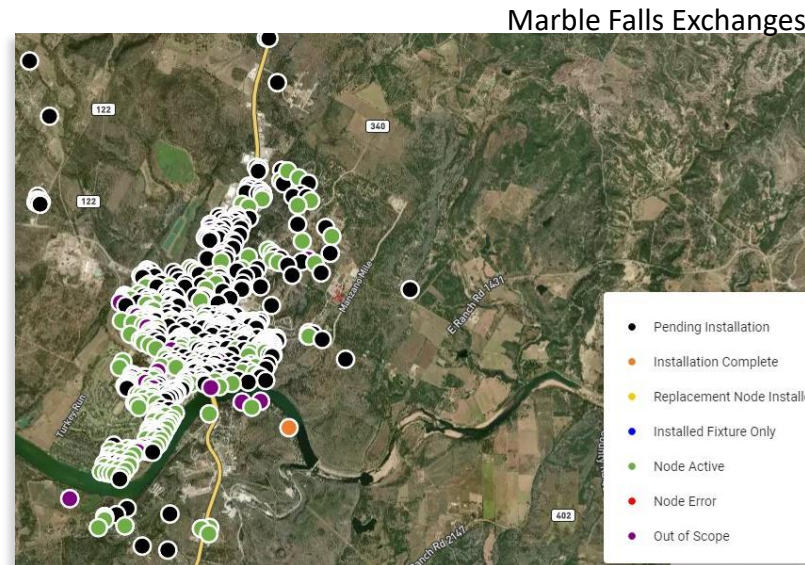
Approximately 30,000 cooperative-owned street and roadway lights in the Eastern territory will be replaced to new, energy-efficient, LED lighting.

The lighting services project additionally includes:

- Smart controls providing enhanced outage detection and advanced system management.
- Converting all PEC owned lights into Dark Sky friendly fixtures.
- Complete audit of all PEC owned lights.
- Updated PEC mapping system.

Progress - exchanges through March:

- Lights Audited : 20,381
- Lights Replaced: 6,159



Facilities

Cedar Park Access

The concrete driveway has been poured. IT and utilities are 75% complete. The gate, electrical, and security installation will begin in the coming weeks.

Dripping Springs Storage Yard

Finalizing design and obtaining bids for yard renovations, pending budget approval.

Johnson City Service Center Security Gate

Driveway widening and security gate upgrade at the Haley Rd site is complete. This project aligned the driveway with the city street for improved sight-lines and safety; added a second gate for improved ingress and egress; and improved security equipment to allow the gates to remain closed.

Kyle Fleet Building & Warehouse

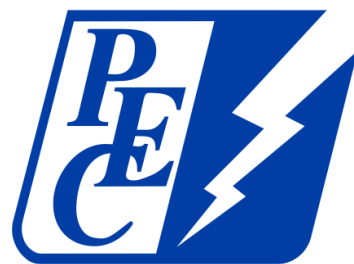
The project has been completed and turned over to the district for use.

Leander Development

Building construction is in progress and on schedule.

Marble Falls Training Center

Completed construction for additional restrooms.



pec.coop