



Operations Report

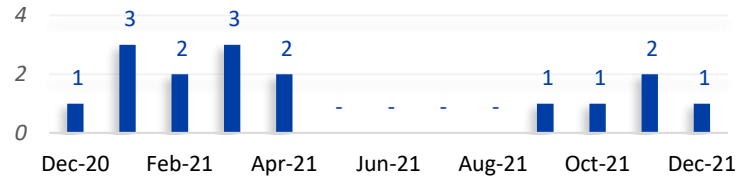
Eddie Dauterive | Chief Operations Officer

January 21, 2021

Safety & Technical Training

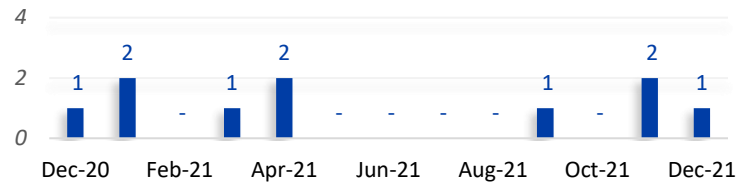
Personal Incidents

Reportable Incidents (TCIR) - All work-related injuries or illnesses.



Dec: 1
YTD: 15

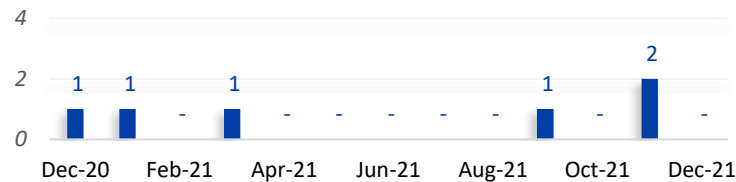
Days Away, Restricted, or Transfer (DART) - Incidents causing restricted duty where the employee can perform another activity without missing days.



Dec: 1
YTD: 9

Days Restricted: 2020 YTD - 467 2021 YTD - 472

Lost Time - Incidents that result in an employee missing work due to an injury.

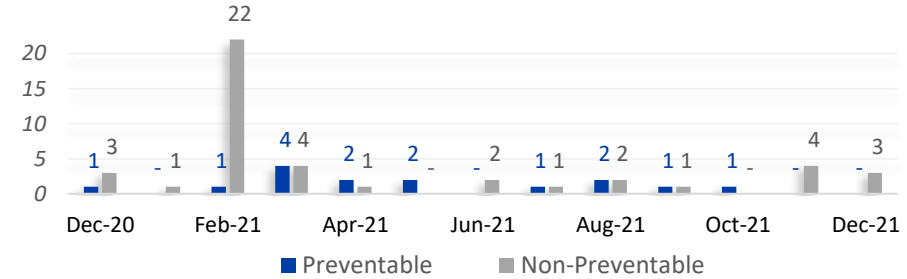


Dec: 0
YTD: 5

Lost Time Days: 2020 YTD - 83 2021 YTD - 198

Vehicle Incidents

Preventable & Non-Preventable Vehicle Accidents



Preventable:

Dec: 0
YTD: 14

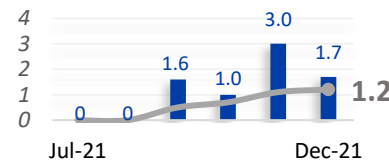
Non-Preventable:

Dec: 3
YTD: 41



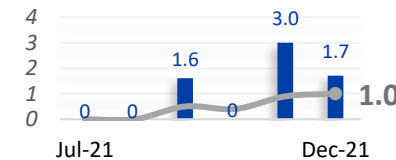
KPI Progression – 2021 P2

TCIR



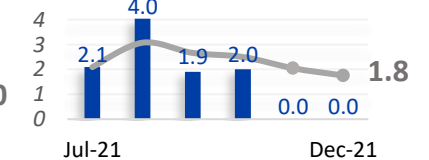
Platinum: ≤ 2.0

DART



Platinum: ≤ 0.6

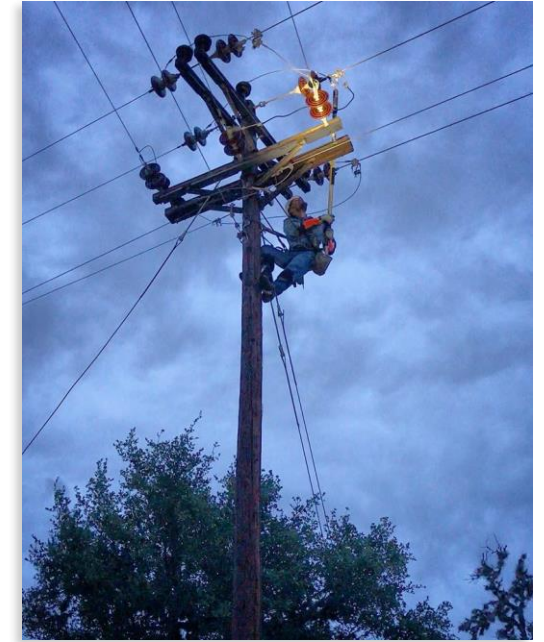
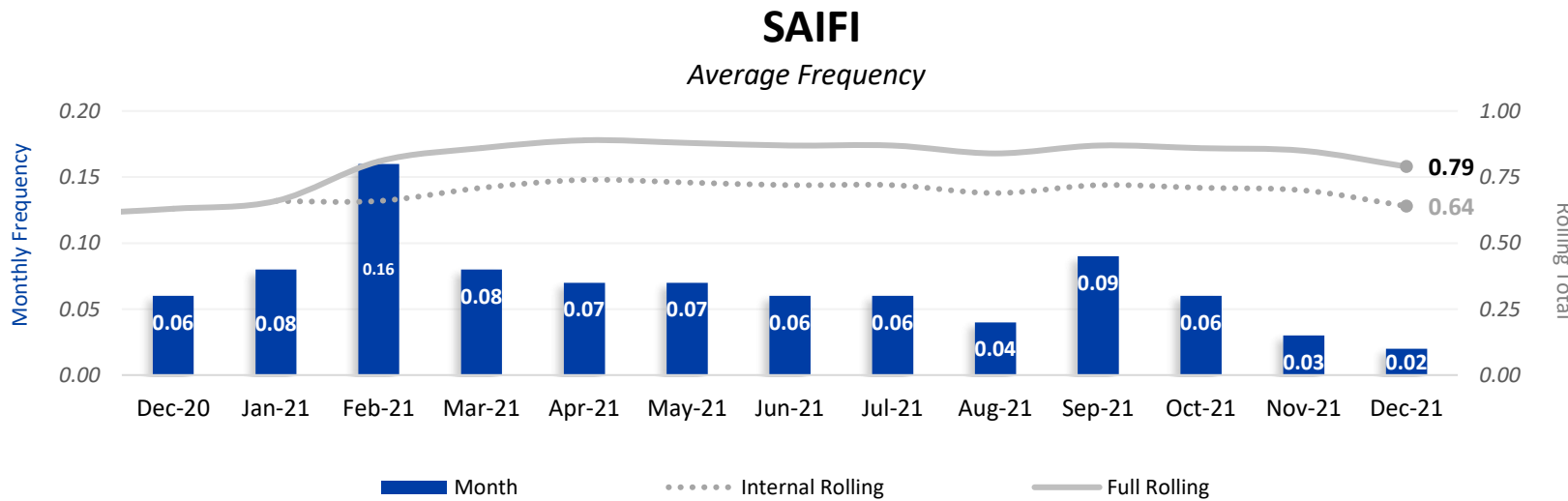
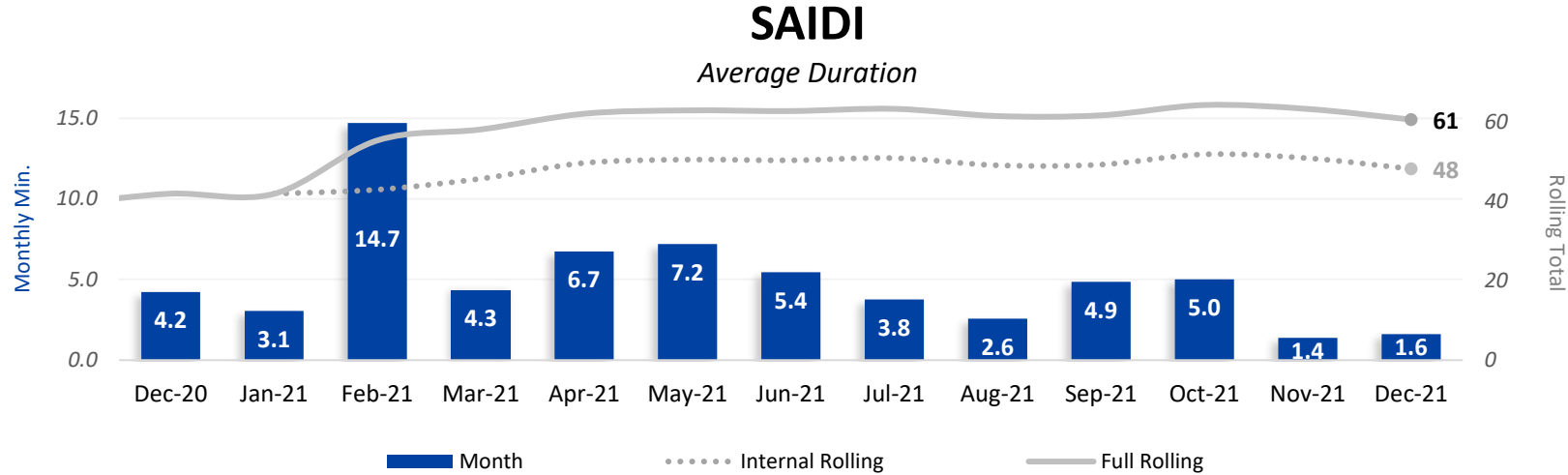
Vehicle Incident Rate



Platinum: ≤ 1.0

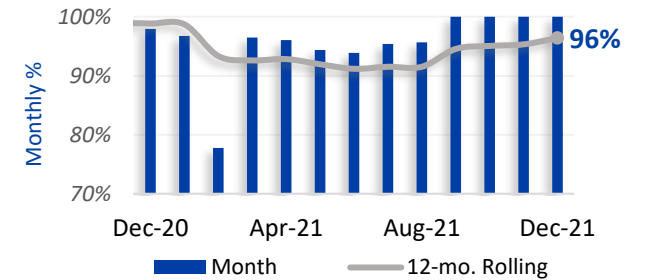


Reliability



Estimated Time of Response (ETR)

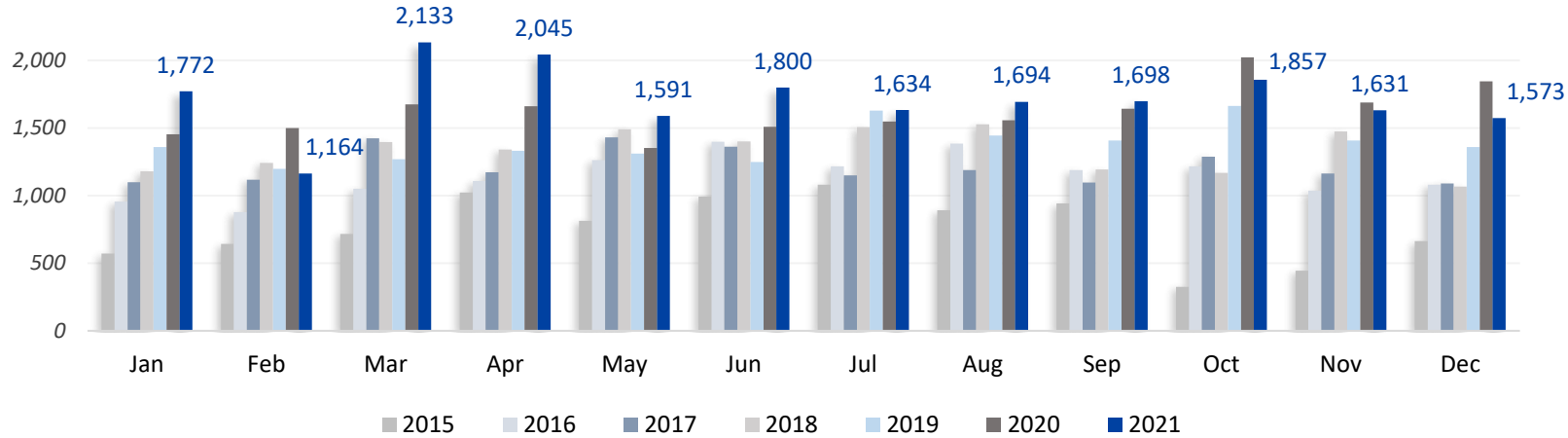
% of Outages with ETR Provided



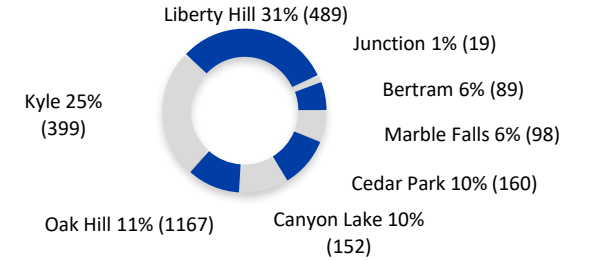
System Growth

Monthly Line Extensions

2019: 16,640 2020: 19,458 2021: 20,592



Line Extensions by District (1,573)

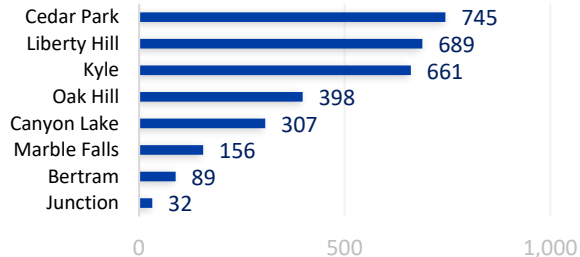


Miles of Distribution Line:

Underground: 6,374 (26%)
Overhead: 17,454 (74%)
Total: 23,828

New Member Applications

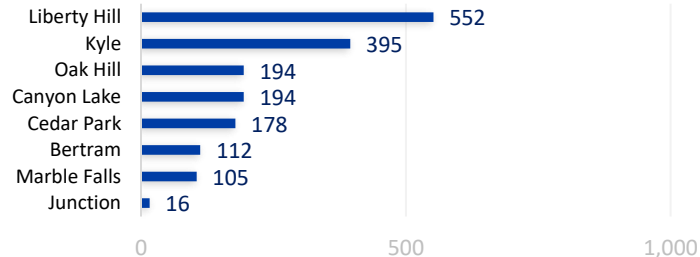
2021: Dec – 3,077, YTD – 40,909



2020: Dec – 2,846, YTD – 34,254

Meter Growth

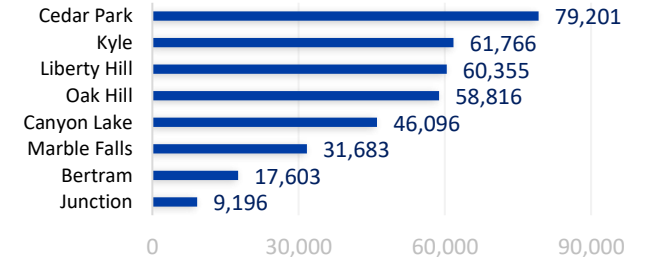
2021: Dec – 1,746, YTD – 18,627



2020: Dec – 2,122, YTD – 18,283

Meter Totals

2021: Dec – 364,716



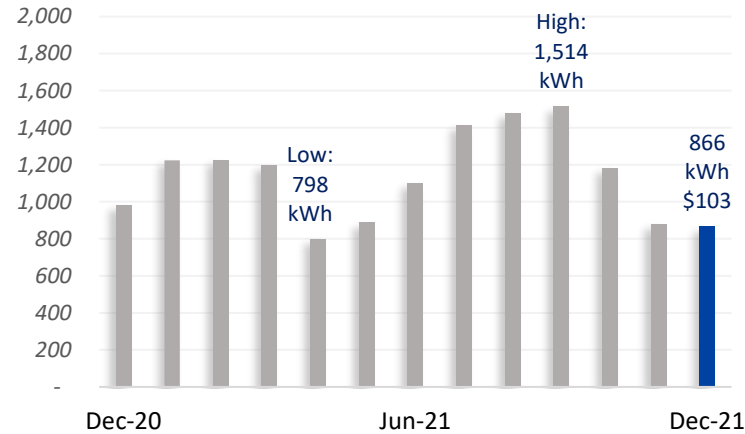
2020: Dec – 346,089

Member Relations

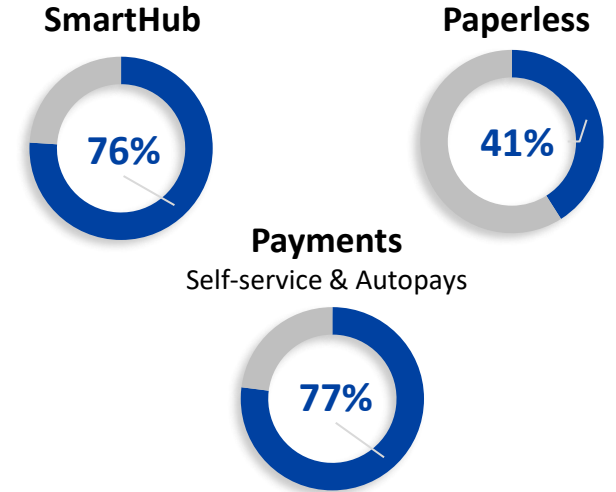
Notes:

- The recent paperless enrollment campaign helped add another 2,351 accounts in December.
- A Power of Change campaign in December helped enroll 777 accounts.
- Limited collection activity completed around the holidays.

Avg Residential Usage



Self-Service Enrollments

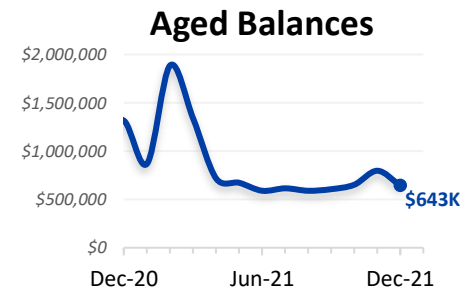
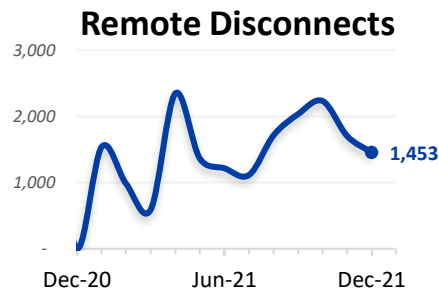


Contact Types

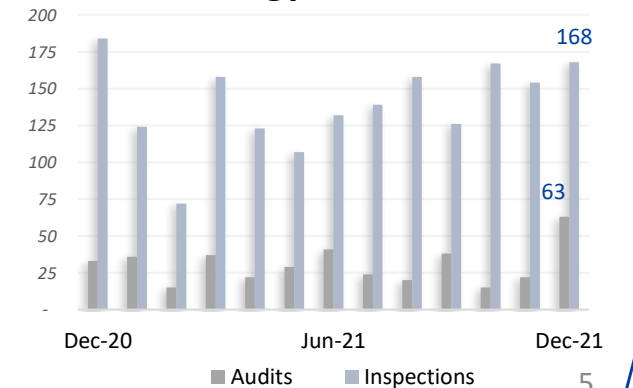
Main Contact Types	Dec. Totals	
Service Request	8K	28%
Payment	7K	22%
Billing Inquiry	4K	12%
Payment Arrangement	2K	7%
Account Update	2K	6%
Autopay Deposit Waiver	2K	5%

Collections

10 Days of No Collection Activity



Energy Services

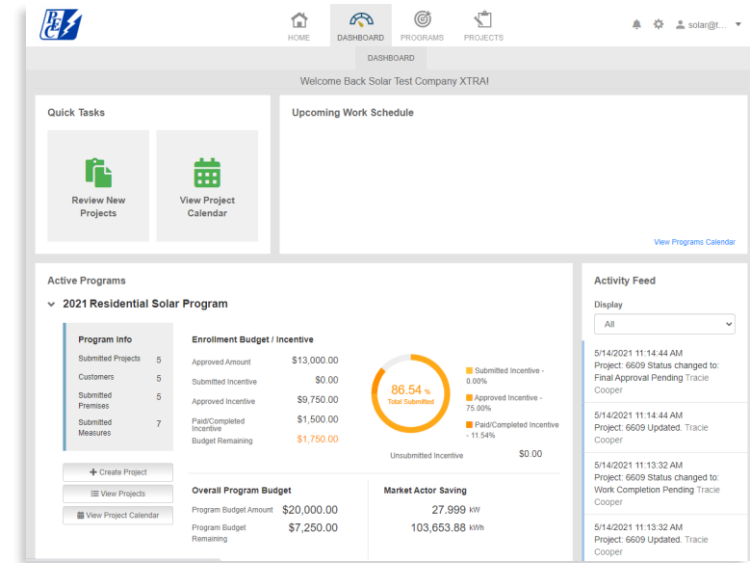


Frontier Energy DG Interconnection Service

Frontier Energy currently supports registration for PEC's HVAC Rebate Program. Member Relations has expanded their technology support to also manage PEC's member interconnect application process for distributed generation (DG).

This platform offers advantages with integration and improved processes by:

- Simplifying member applications with:
 - E-signature tools for forms and agreements.
 - System integration for accurate premise information.
 - Notifications such as application discrepancy alerts or needs for further action by members or installers.
- Program Administrators having easy-to-read dashboards and the ability to auto-populate forms and validate data for greater efficiency.
- PEC Members and Solar Installers can easily access applications for status updates and/or request actions that are ready for next steps - for example, a prompt for scheduling final inspection.

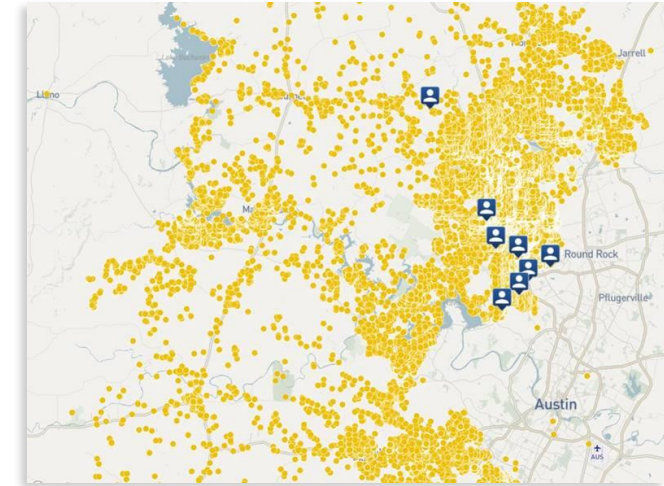


Overall, it will create a much more user-friendly and streamlined process to allow members a greater understanding of their DG projects with PEC.

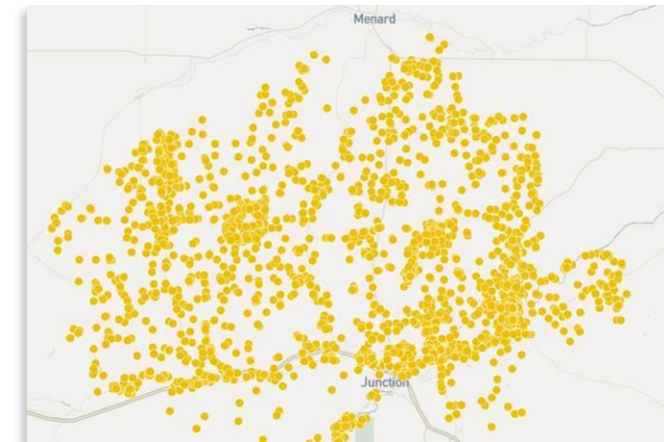
AMI Distribution Update

- The Project is **29%** complete overall.
- All exchanges in the Liberty Hill district, and all Large Power exchanges in the Eastern territory are complete.
- Exchanges have been paused in the Eastern territory due supply shortages, with the Cedar Park district 36% complete.
- Meter supply delay, Sep. 2021 – May 2022, due to global component shortages:
 - Paused exchanges in November to safeguard current inventory and cover natural account growth and service requests.
 - Will re-evaluate meter supply in early 2022 and adjust deployment, as necessary.
 - Project has transitioned to the Junction District to upgrade TWACS meters.
- Junction District exchanges continue, currently 25% complete.

Liberty Hill & Cedar Park Exchanges



Junction Exchanges



Cooperative Lighting Services Update

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

Over the next 12 months, approximately 30,000 Cooperative-owned streetlights in the Eastern territory will be replaced to new, energy efficient, LED lighting that will allow more reliable service, advanced outage detection, and enhanced lighting services - all while being Dark Sky friendly.

Initial stages of the project include an audit of PEC's existing light inventory and updating the mapping system.

Schedule

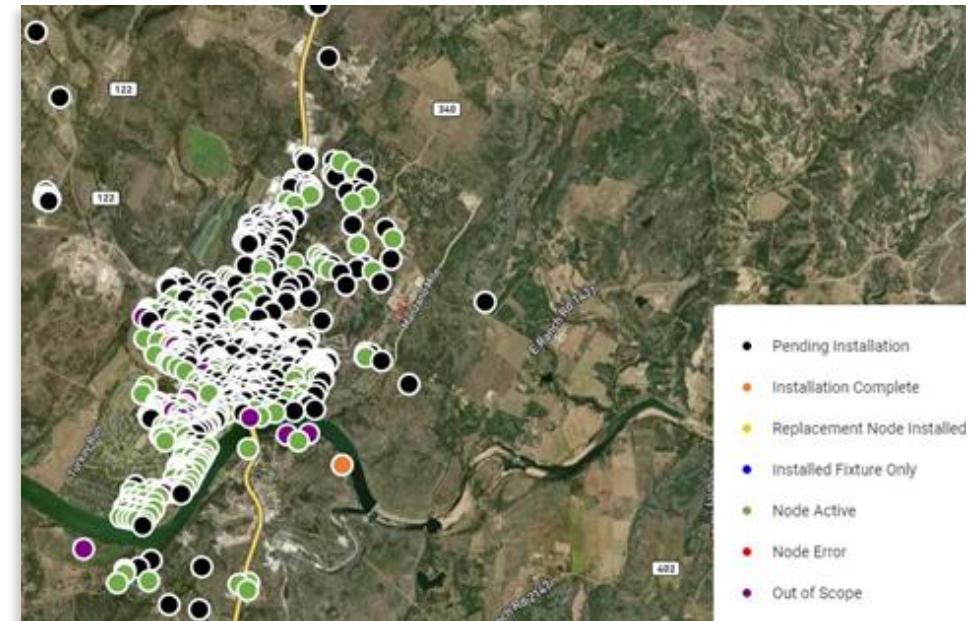
Initiated in Marble Falls District:

- Nov. 2021 - Q3 2022: District Audits & Replacements
- Q3 2022: System Commissioning
- Q4 2022: Closeout & Final Acceptance

Progress

Exchanges have begun in the Marble Falls District, as of Jan 1:

- Lights Audited : 8,695
- Lights Replaced: 1,631



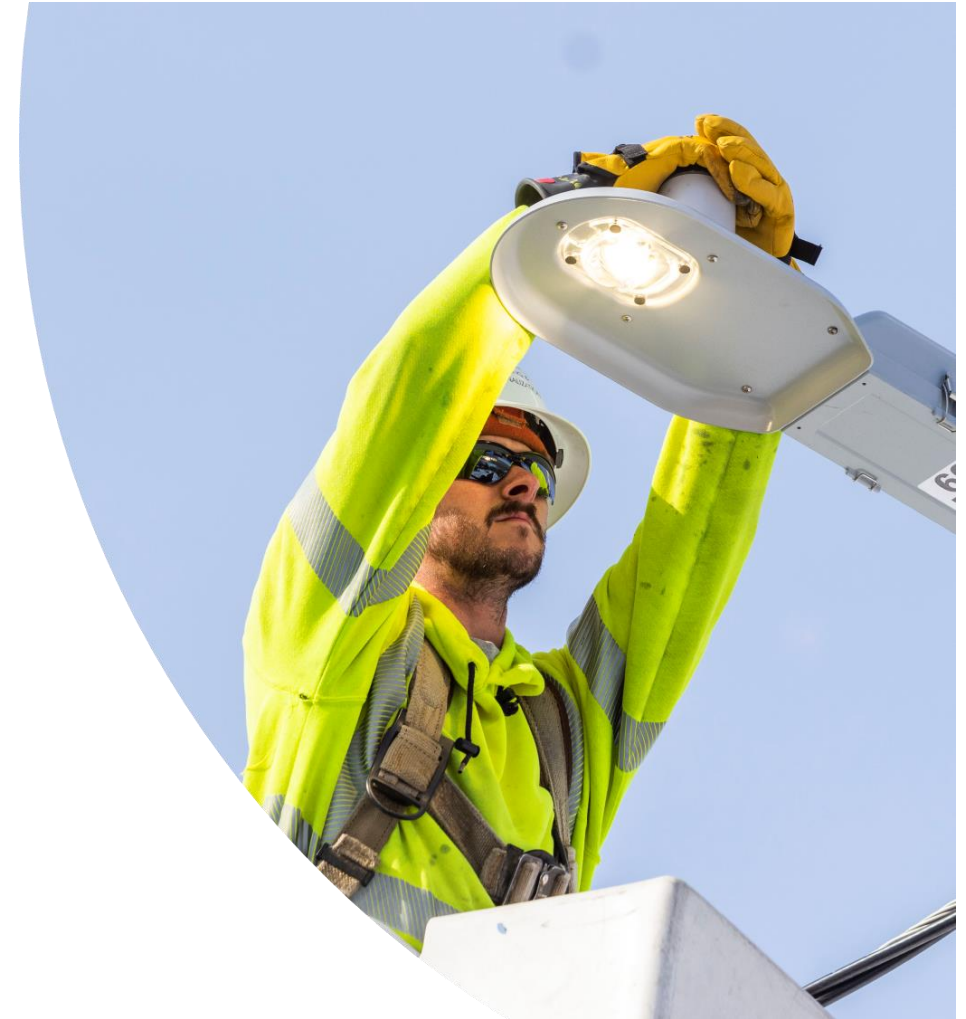
Cooperative Lighting Services Update

Project Communications

PEC has been working to ensure adequate communications with our members and staff regarding the project.

Communications are ongoing in the form of:

- Kick-off meetings in each operational district
- Emails and letters sent to all impacted members
- Social media posts
- Story in January Texas Coop Power
- Meetings with Dark Sky communities and City representatives
- Internal Employee Newsletter updates



Engineering

Transmission Project Updates

- **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.
 - Provided structure coordinates to Engineer for highway bridge design.
 - Supplemental easement rights acquired Q2 through Q3 2021.
 - Foundation installs started on weekly outages, construction to continue through Spring 2022.
- **Andice to Pipeline to Seward Junction Fiber Addition** (*Liberty Hill*):
 - 8.4 miles, replaces Shield Wire with OPGW in coordination with breaker addition at Pipeline.
 - Replacing 1 pole and the existing shield wire with OPGW.
 - Construction starts in Oct. 2021, completion in Dec. 2021.
- **Whitestone - Blockhouse - Leander line upgrade** (*Cedar Park*):
 - 5.25 miles, rebuild existing 138 kV line to 440 MVA capacity.
 - Contractor mobilized, construction underway between Leander and Blockhouse.
 - Finalizing supplemental easements.
 - Completion scheduled for Q2 2022.



Engineering

Transmission Project Updates

- **McCarty Lane to Hunter** (*Kyle*):
 - Conductor upgrade in conjunction with LCRA TSC upgrade of McCarty Lane to RR12.
 - Completion anticipated for Q4 2021.
- **Marshall Ford to Trading Post to Cedar Valley to Friendship to Rutherford** (*Oak Hill*):
 - 15.41 mi., structural analysis shows a need to replace structures to meet current NESC requirements.
 - Investigating alternative conductors to limit scope of structure replacement.
 - Power Engineers began detailed design for Marshall Ford to Trading Post section in Apr. 2021.
 - Construction expected to begin in Q3 2022.
- **Dripping Springs - Rutherford** relocation (*Oak Hill*):
 - Construction on hold.
- **Lago Vista to Nameless to Leander Transmission Overhaul** (*Cedar Park and Liberty Hill*):
 - Engineering continuing.
 - Coordinating with Substation Design for cut-in to Hero Way Substation.



Engineering

Substation Project Updates

- **Wirtz to Flatrock to Paleface** (*Marble Falls*) – Substation construction at each location to support transmission line upgrade project:
 - **Wirtz** - 138KV breaker replacements, line relay and breaker failure panel replacements.
 - **Flatrock** - 138KV breaker and line relay panel additions.
 - **Paleface** - 138KV Bus reconfiguration, 138KV switch replacements and new line relay panels.
 - Construction began in Sep. 2021.
 - Substation Maintenance commissioning at all locations begins in Mar. 2022.
 - Completion in Apr. 2022.
- **Andice to Pipeline to Seward Junction** (*Liberty Hill*) — Substation construction at each location to support transmission line upgrade project:
 - **Andice** - Line relay panel will be converted to line differential scheme.
 - **Pipeline** - 138KV Ring Bus, breaker and line relay panel additions.
 - **Seward Junction** – Line relay panel upgrade to line differential scheme.
 - 138KV Ring Bus at Pipeline construction began in Sep. 2021.
 - Substation Maintenance commissioning at all locations began in Nov. 2021.
 - Project completed in Dec. 2021.



Engineering

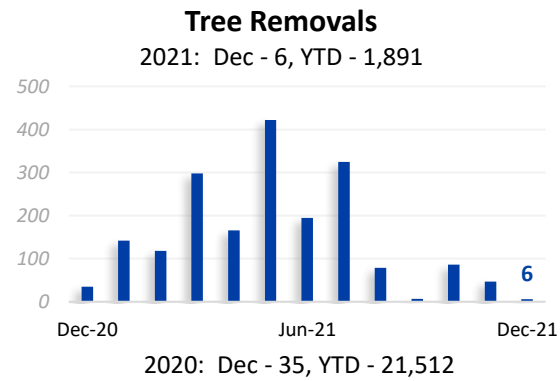
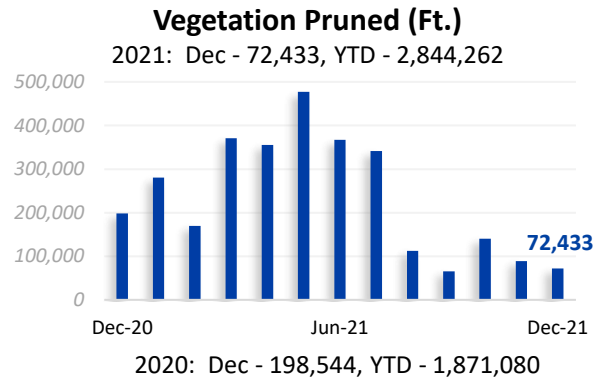
Substation Project Updates

- **Whitestone to Blockhouse to Leander (Cedar Park)** — Substation construction at each location to support transmission line upgrade project:
 - **Whitestone** – 138KV Bus upgrade to 2000 amps, 138KV switch replacements and line relay panel replacements for line differential implementation.
 - **Blockhouse** – 138KV switch replacements and line relay panel upgrade to line differential scheme.
 - **Leander** – Line panel will be converted to line differential scheme.
 - Construction began in Dec. 2021.
 - Substation Maintenance commissioning at all locations begins in Apr. 2022.
 - Scheduled completion in May 2022.
- **138KV Circuit Switcher Upgrades (Various districts)** — Substation construction at each location to replace transformer circuit switchers that have reached end of life:
 - Bertram T1, Nameless T1, Balcones Cap Bank, Graphite Mine, Friendship T1, Antler T1, and Fair Oaks T1.
 - Project began Sep. 2021 and complete in Dec. 2021.
- **Graphite Mine** — Fall 2021 LCRA project to install new 138KV switch yard adjacent to PEC substation consisting of new 138KV Ring Bus & Breakers (*Bertram*):
 - During LCRA's project PEC will replace T1 circuit switcher.
 - PEC mobile will support load during the project.
 - Completion of PEC's portion in Dec. 2021.

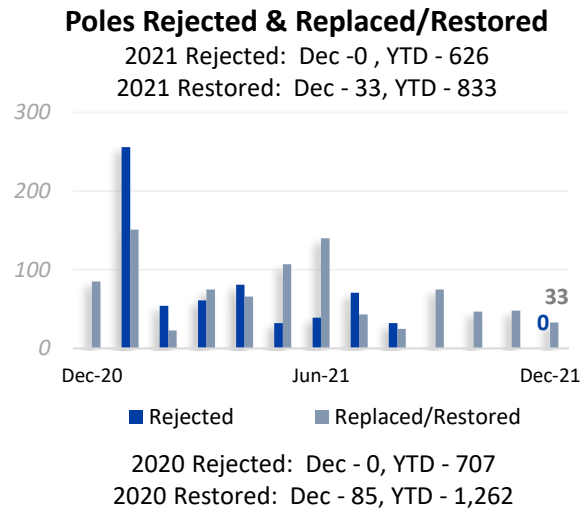
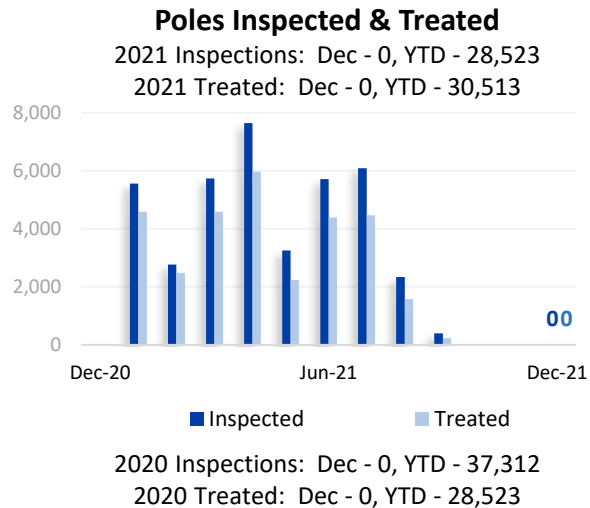


System Maintenance

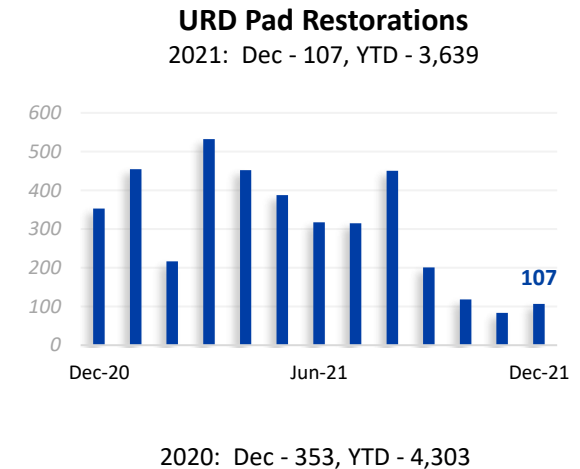
Vegetation Management



Pole Testing & Treatment (PTT)



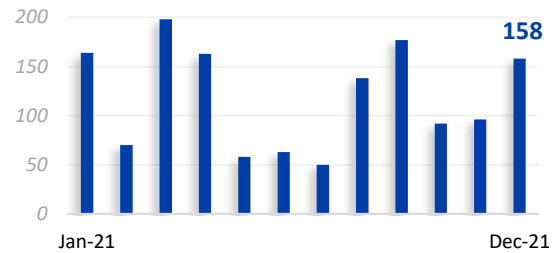
URD Pad Mount Restorations



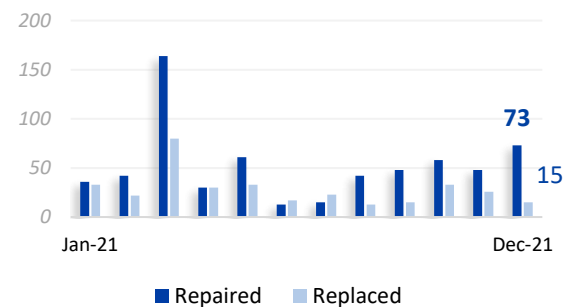
System Maintenance

Technical Services

Equipment Inspections

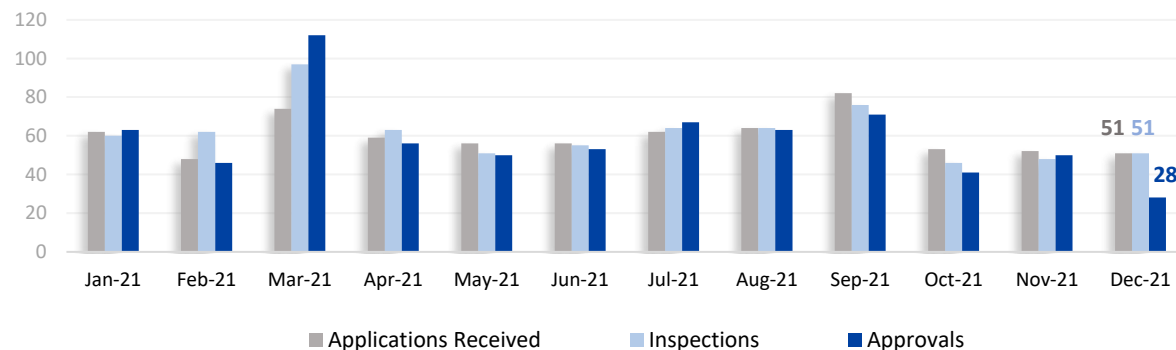


Equipment Repaired & Replaced



Pole Contacts

Applications Received & Permits Issued



System Maintenance Notes:

- PTT inspection and treatment work is completed for 2021 to avoid hunting season. Replacement and restoration work continues year-round.
- Overhead feeder maintenance through 2021 - completed on 31 main feeder backbones, 3,003 maintenance actions performed.
- Technical Services' equipment inspections include; reclosers, regulators, air-break switches, capacitors, switchgears, and radio frequency issues.

Facilities Update

Cedar Park

The new plat documents have been recorded and the city has issued a permit. The agreement with the general contractor has been executed and the contractor is making plans to mobilize.

Dripping Springs

Renovation underway due to a water leak in the slab around the kitchen and bathroom areas, damages are being repaired existing finishes replaced.

Johnson City

Driveway widening and security gate upgrade at the Haley Rd site is 95% complete. This project will align the driveway with the city street for improved sight-lines and safety; add a second gate for improved ingress and egress; and improve security equipment to allow the gates to remained closed.

Kyle

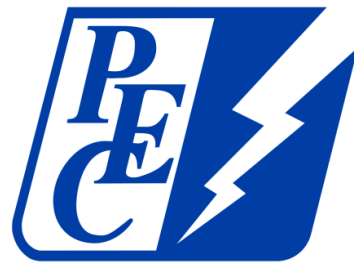
The Fleet Building and fuel island are complete. The Warehouse building is complete, furniture has been installed and final electrical and data terminations are being completed.

Leander

Received the Public Improvement permit, Site Development permit, and Building permit.

Marble Falls

Construction for additional restrooms at the Technical Training Center has been competed.



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