



Operations Report

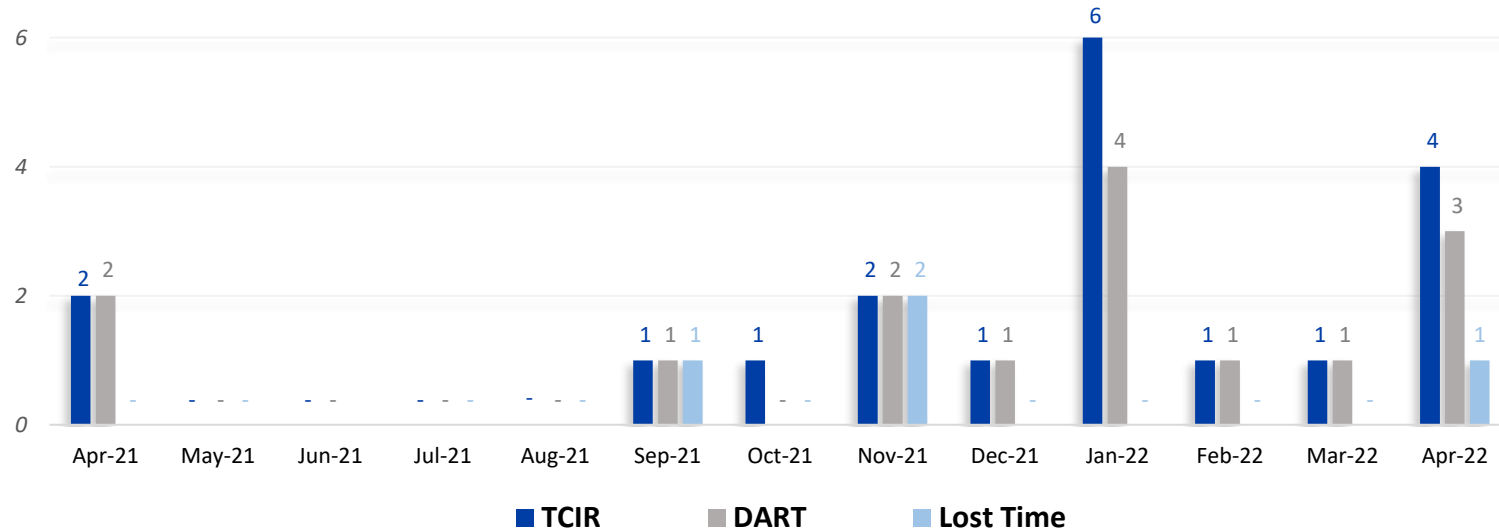
Eddie Dauterive | Chief Operations Officer

Safety & Technical Training

Personal Incidents

Reportable Injuries, Days Away, and Lost Time Incidents

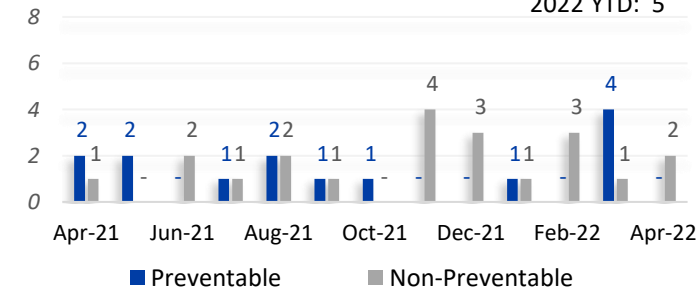
2021 YTD: DART Days - 127, Lost Time Days - 39
 2022 YTD: DART Days - 107, Lost Time Days - 7



Vehicle Incidents

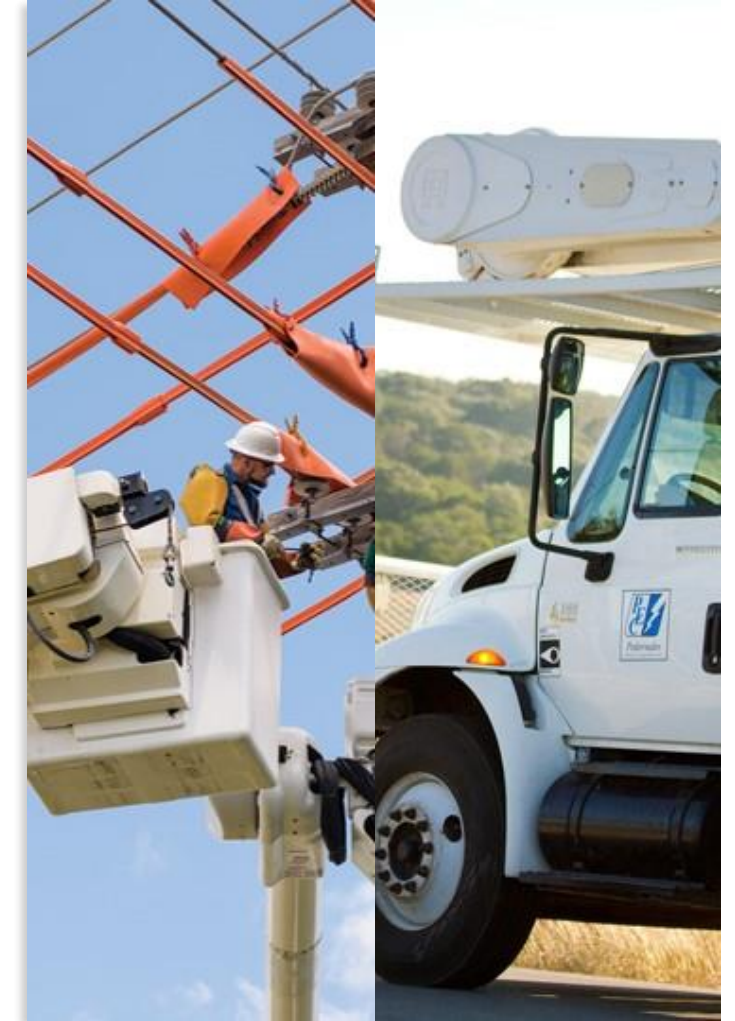
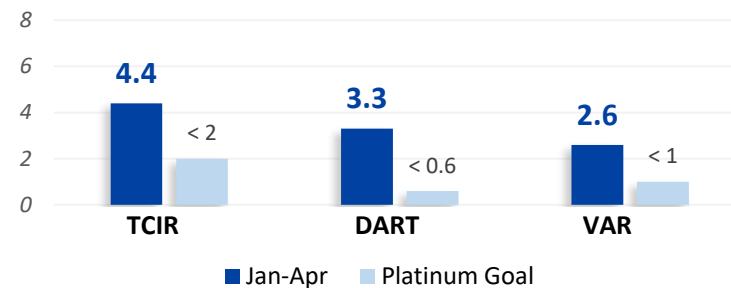
Preventable & Non-Preventable

Preventable:
 2021 YTD: 7
 2022 YTD: 5



KPI Progression

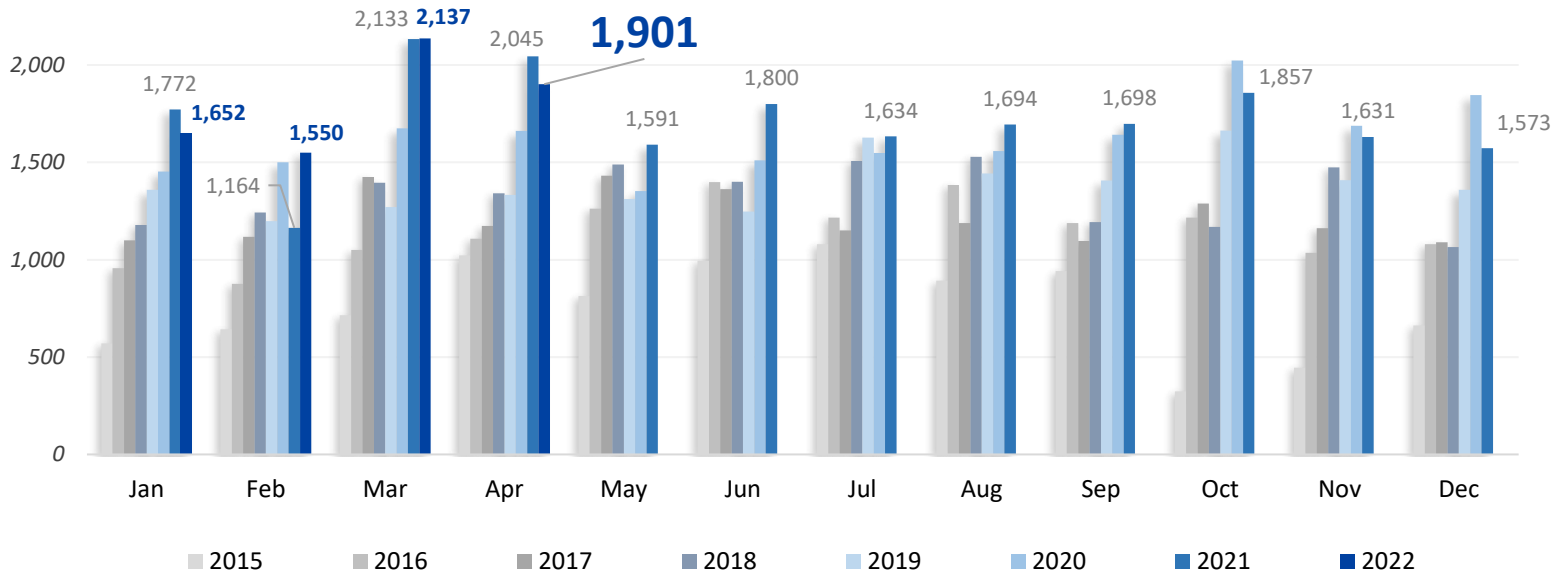
2022 Period One



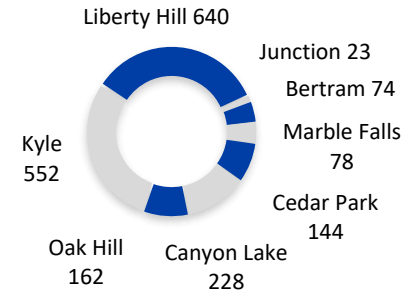
System Growth

Line Extensions Completed

2019: 16,640 2020: 19,458 2021: 20,592 2022 YTD: 7,240



Line Extensions Per District (1,901)

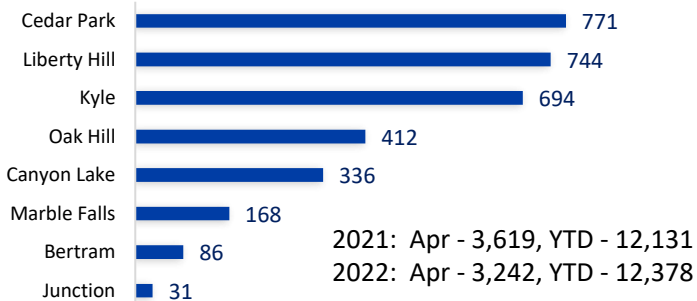


Miles of Distribution Line:

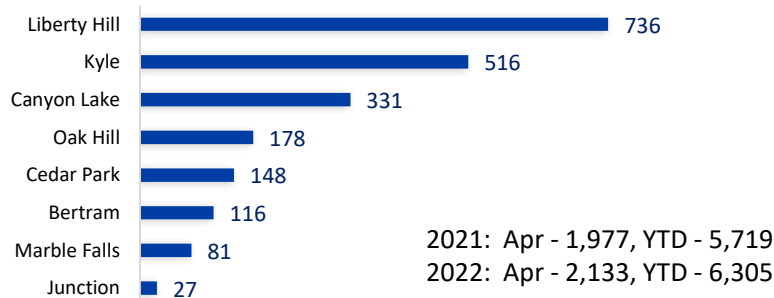
Underground: 6,498 (27%)
 Overhead: 17,504 (73%)
 Total: 24,002



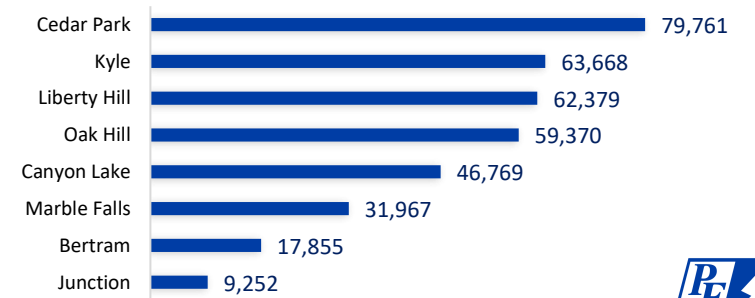
Member Applications (3,242)



Meter Growth (2,133)

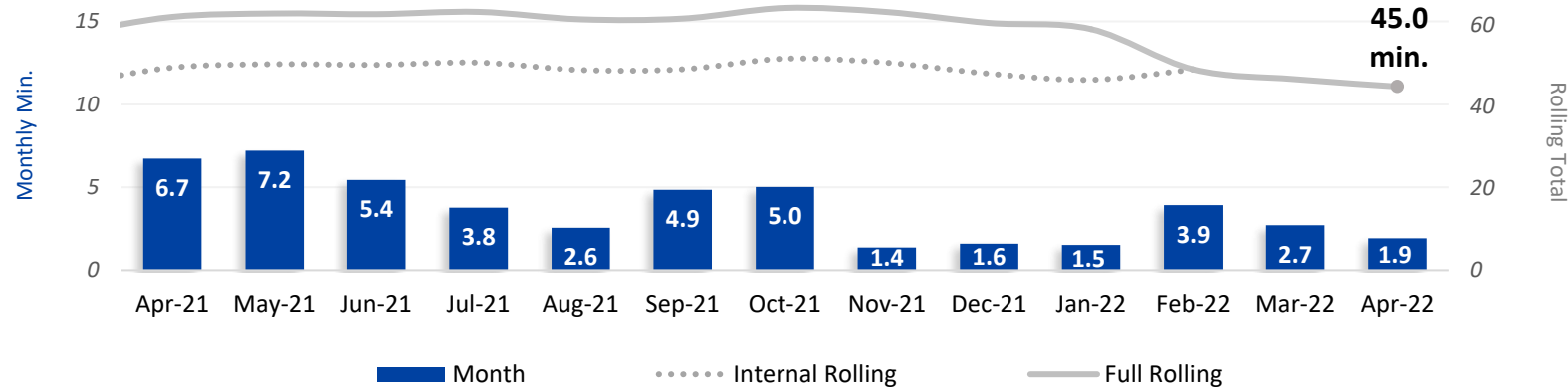


Meter Totals (371,021)

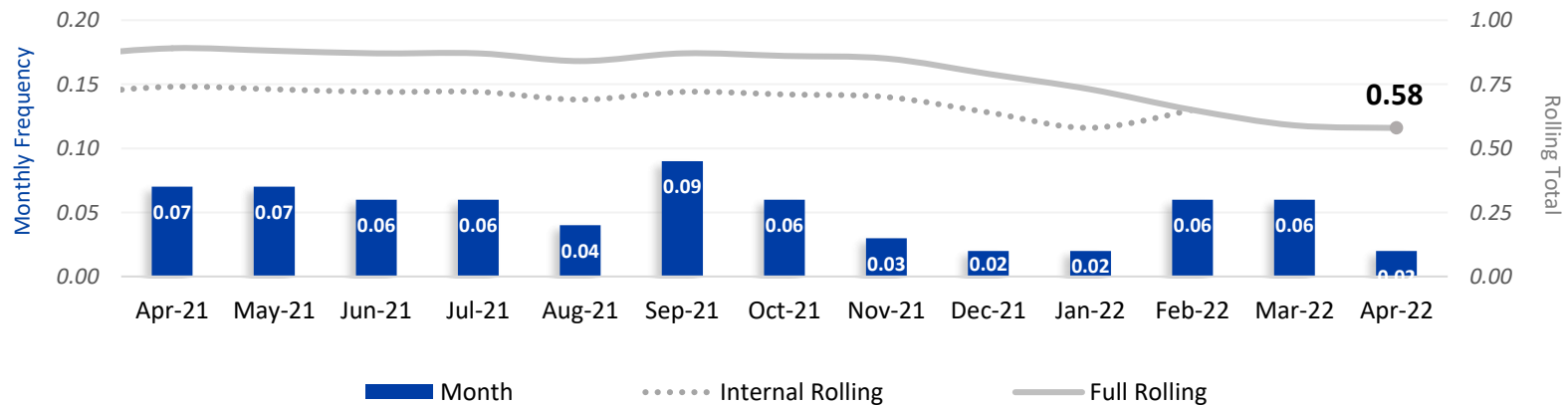


Reliability

System Average Interruption Duration Index (SAIDI)



System Average Interruption Frequency Index (SAIFI)

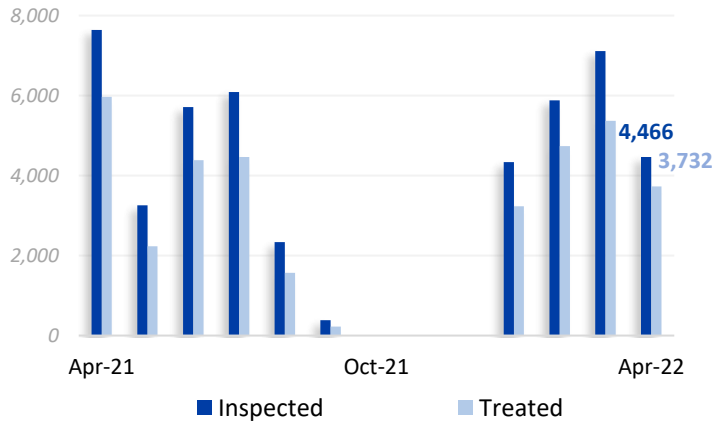


System Maintenance

Pole Testing & Treatment (PTT)

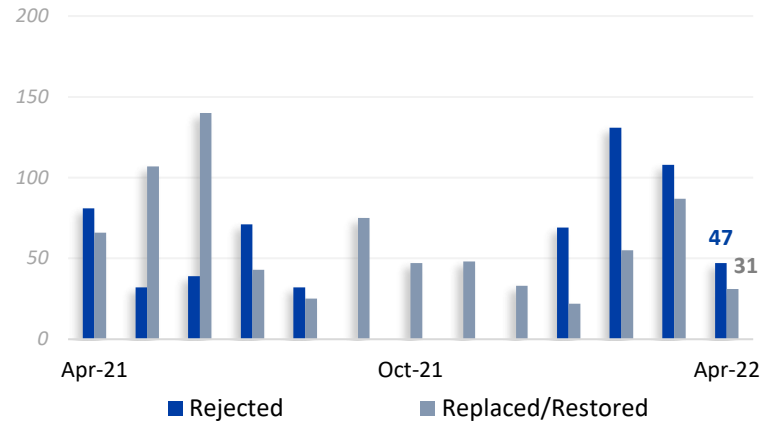
Poles Inspected & Treated

2021 YTD: Inspections - 21,705, Treated - 17,630
 2022 YTD: Inspections - 21,790, Treated - 17,074



Poles Rejected & Replaced/Restored

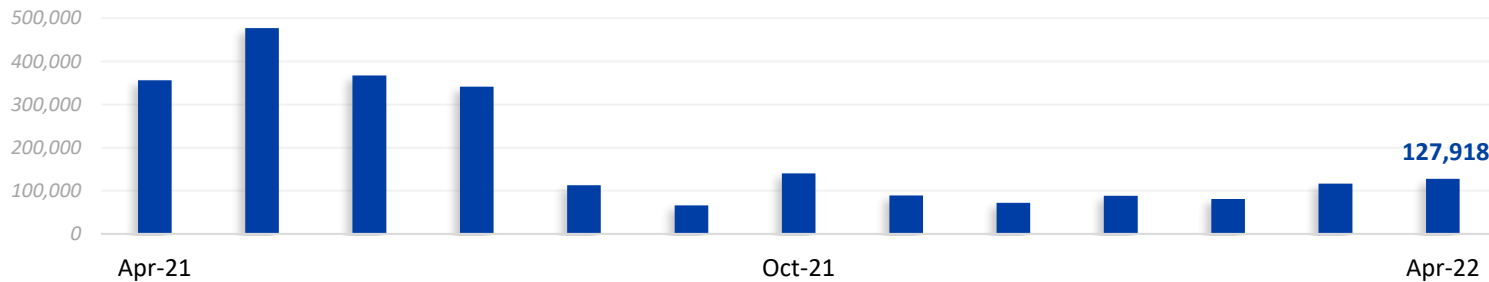
2021 YTD: Rejected - 452, Restored - 315
 2022 YTD: Rejected - 355, Restored - 195



Vegetation Management

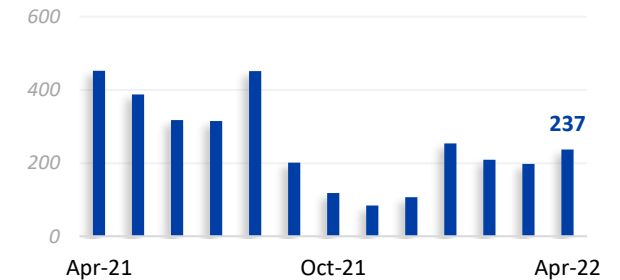
Vegetation Pruned (Ft.)

2021 YTD: 1,177,401 ft. Apr. URD Clearings: 271
 2022 YTD: 413,432 ft. Apr. Locations Worked: 1,377



URD Pad Restorations

2021 YTD: 1,657
 2022 YTD: 898

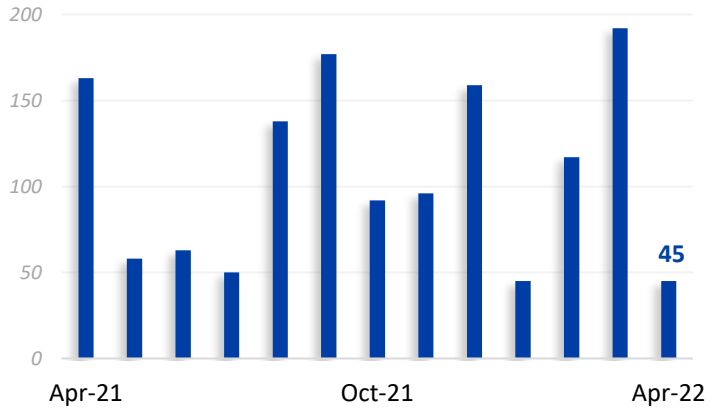


System Maintenance

Technical Services

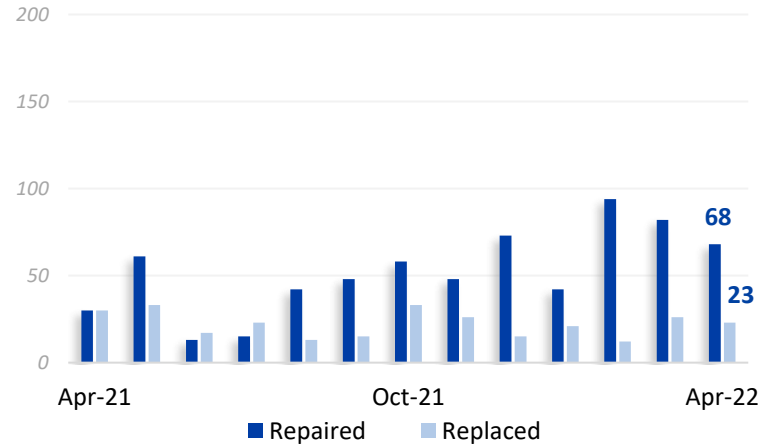
Equipment Inspections

2021 YTD: 595
2022 YTD: 354



Equipment Repaired & Replaced

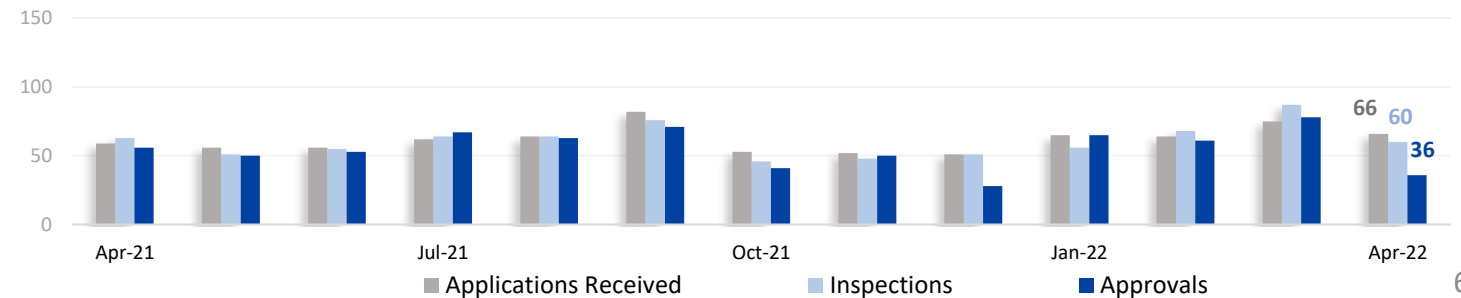
2021 YTD: Repaired - 272, Replaced - 165
2022 YTD: Repaired - 249, Replaced - 82



Pole Contacts

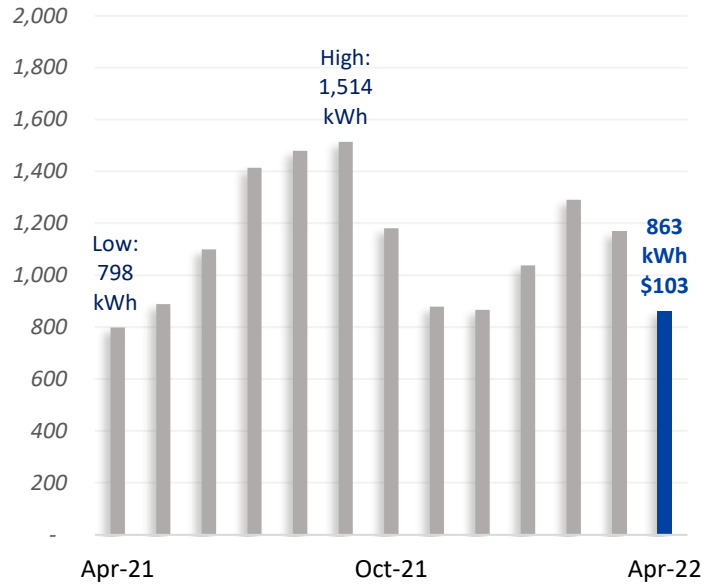
Applications Received & Permits Issued

2021 YTD: Received - 243, Inspected - 282, Approved - 277
2022 YTD: Received - 270, Inspected - 271, Approved - 240



Member Relations

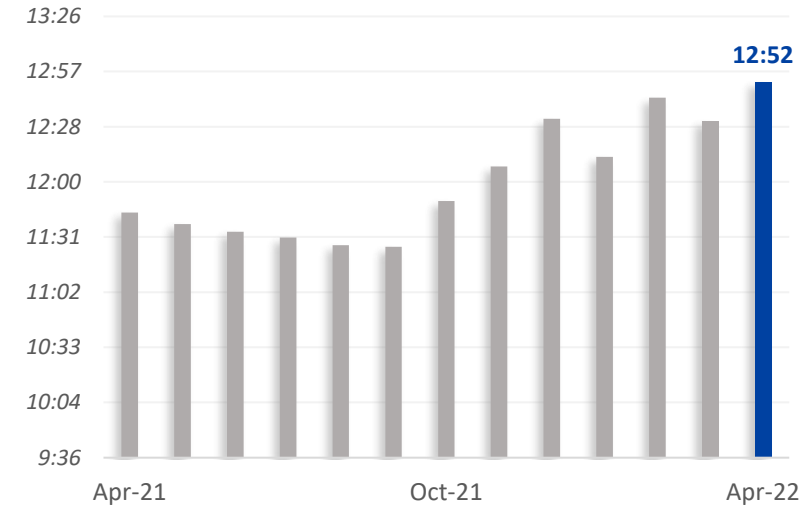
Average Residential Usage



Member Contacts

Average Handle Time

Mar. Phone Contacts: 22,968
Mar. Office Contacts: 5,581

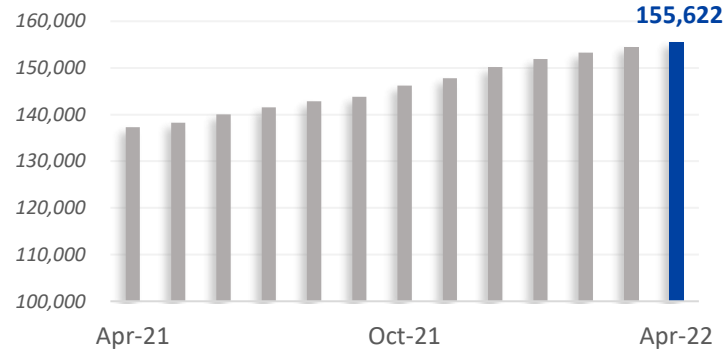


Contact Types

2021: 419,277 Contacts

Main Contact Types	Apr. Totals	
Service Request	8,933	30%
Payment	6,319	21%
Billing Inquiry	4,227	14%
Payment Arrangement	2,113	7%
Account Update	1,554	5%
Autopay Deposit Waiver	1,143	4%

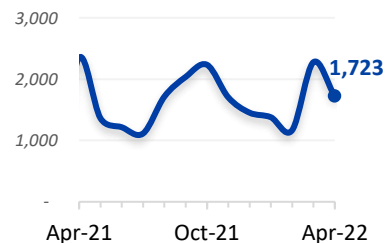
Paperless Enrollments



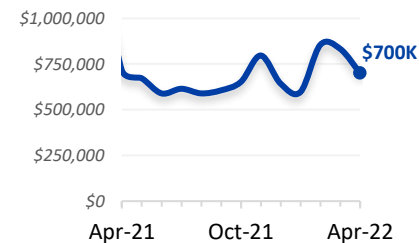
Collections

3 days with no collection activity

Remote Disconnects

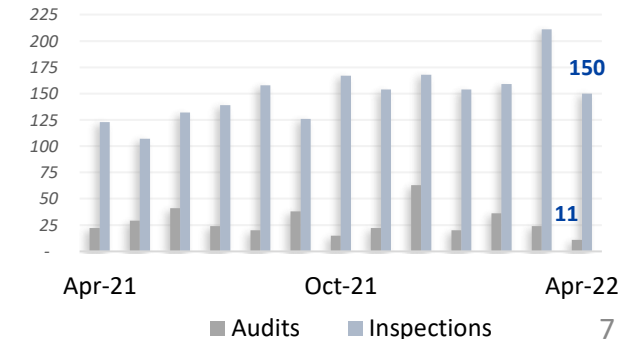


Aged Balances



Energy Services

2021 YTD: Audits - 110, Insp. - 477
2022 YTD: Audits - 91, Insp. - 674



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:

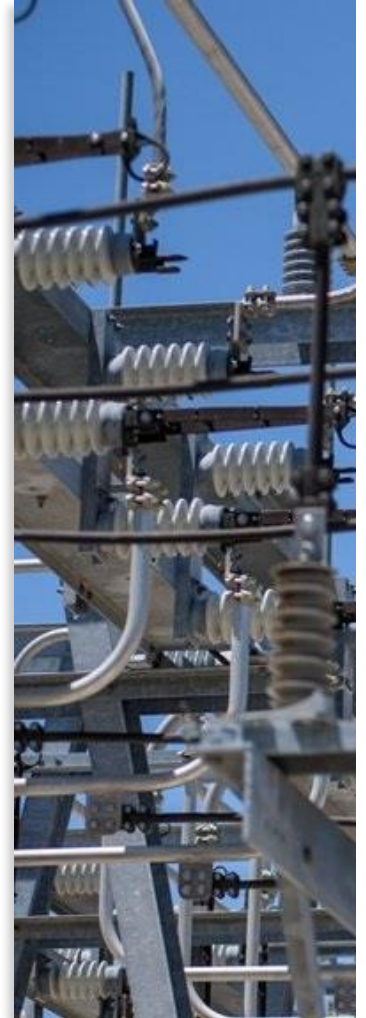
- **Mobile Substation Upgrades:**
 - Mobile #1: Upgrade circuit switcher to 40KA and 25 KV breaker and relaying to SEL digital protection relays.
 - Mobile #2: Upgrade circuit switcher to 40KA and SEL digital protection relays.
 - Mobile #3: Upgrade circuit switcher to 40KA.



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

- Junction exchanges for TWACs meter upgrades are now complete.
- Exchanges in the Eastern territory remain on hold due supply shortages:
 - Estimating receipt of additional residential 2S AMI meters in early 4th quarter, 2022.
 - Closely monitoring the current inventory with supply available through Dec. 2022 to cover new growth and service repairs.
- Now moving forward with specialty meter exchanges (polyphase AMI) which are not impacted by the 2S AMI meter shortage:
 - Polyphase meters are for commercial and industrial locations, 2S AMI meters are for residential locations.
 - There are approx. 3,500 polyphase meters scheduled to be exchanged across the Eastern territory through July 2022.

Western Territory - TWACs Upgrades

- Junction Exchanges: 100%
- Meters exchanged: 6,887
- Letters & Emails: 6,633
- Member Complaints: 8

Eastern Territory - 2S AMI Exchanges

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

Specialty AMI Exchanges

- Marble Falls: 628
- Bertram: 159
- Cedar Park: 259
- Kyle: 984
- Canyon Lake: 805
- Oak Hill: 1,218

Cooperative Lighting Services

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

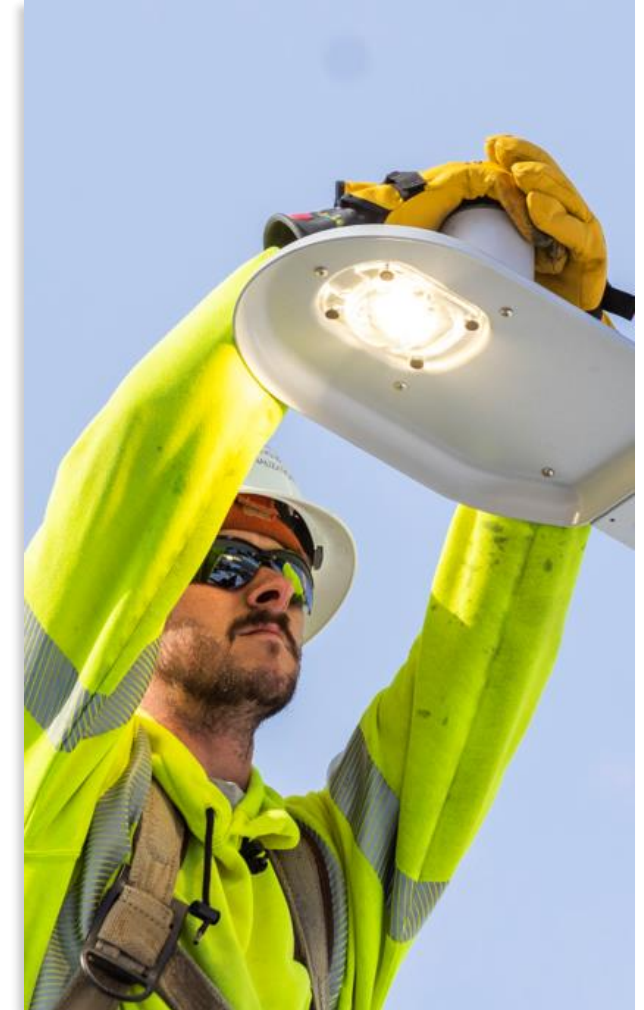
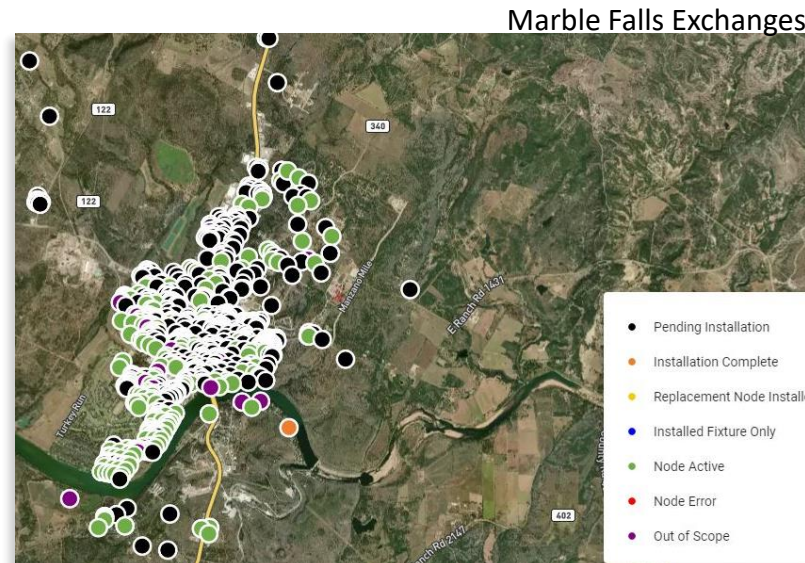
Approximately 30,000 cooperative-owned street and roadway lights in the Eastern territory will be replaced to new, energy-efficient, LED lighting.

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 April:

- Lights Audited : 26,227
- Lights Replaced: 8,068



Facilities

Cedar Park Access

The concrete driveway has been poured. IT and utilities are 75% complete. The fence, electrical, and security installations have begun.

Dripping Springs Storage Yard

Finalizing design and obtaining bids for yard renovations.

Junction

Finalizing design and obtaining bids for yard renovations.

Kyle

Remodeling of the Planning area, demo is complete and rebuild is in progress.

Leander Development

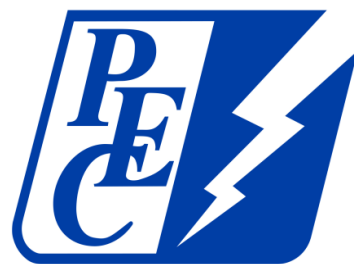
Building construction is in-progress and on schedule.

Marble Falls

Finalizing design and obtaining bids for yard renovations.



Highlighting the 2022 PEC Lineman's Rodeo



pec.coop