



Operations Report

Eddie Dauterive | Chief Operations Officer

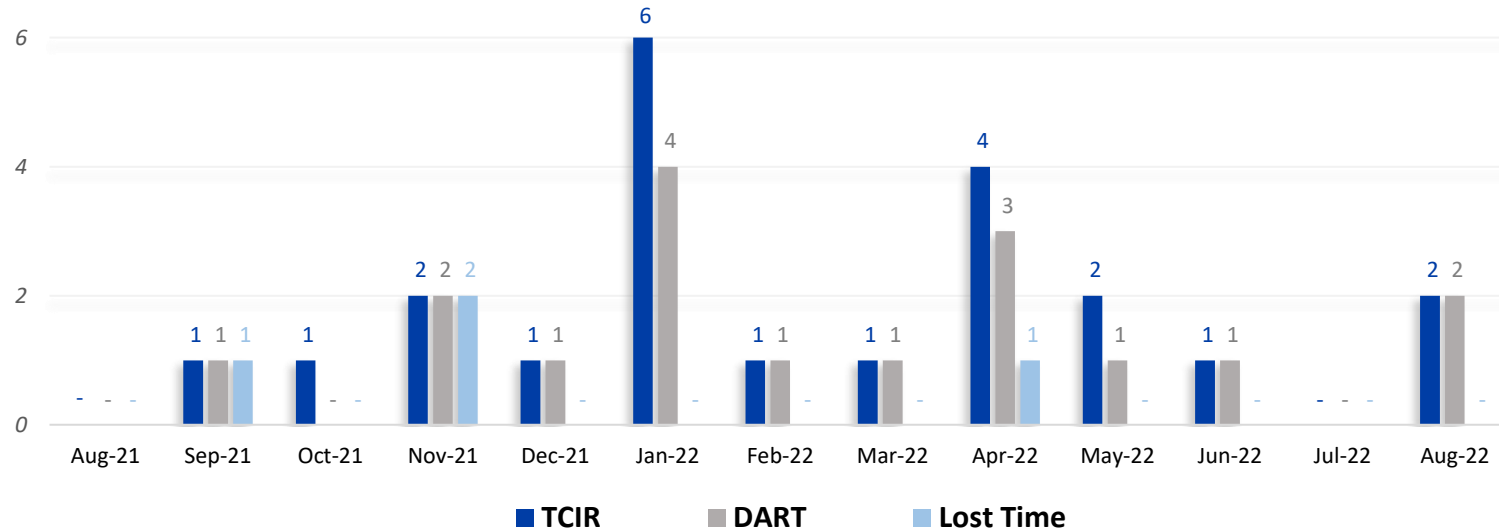
September 16, 2022

Safety & Technical Training

Personal Incidents

Reportable Injuries, Days Away, and Lost Time Incidents

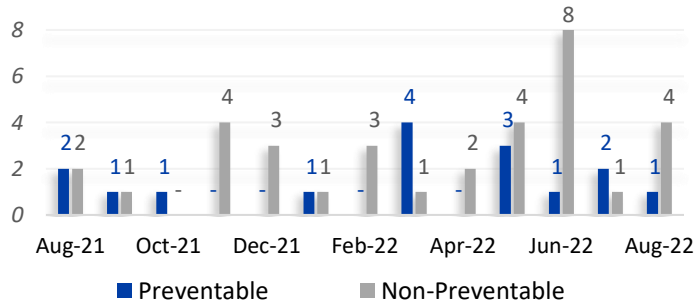
2021 YTD: DART Days - 272, Lost Time Days - 138
 2022 YTD: DART Days - 146, Lost Time Days - 10



Vehicle Incidents

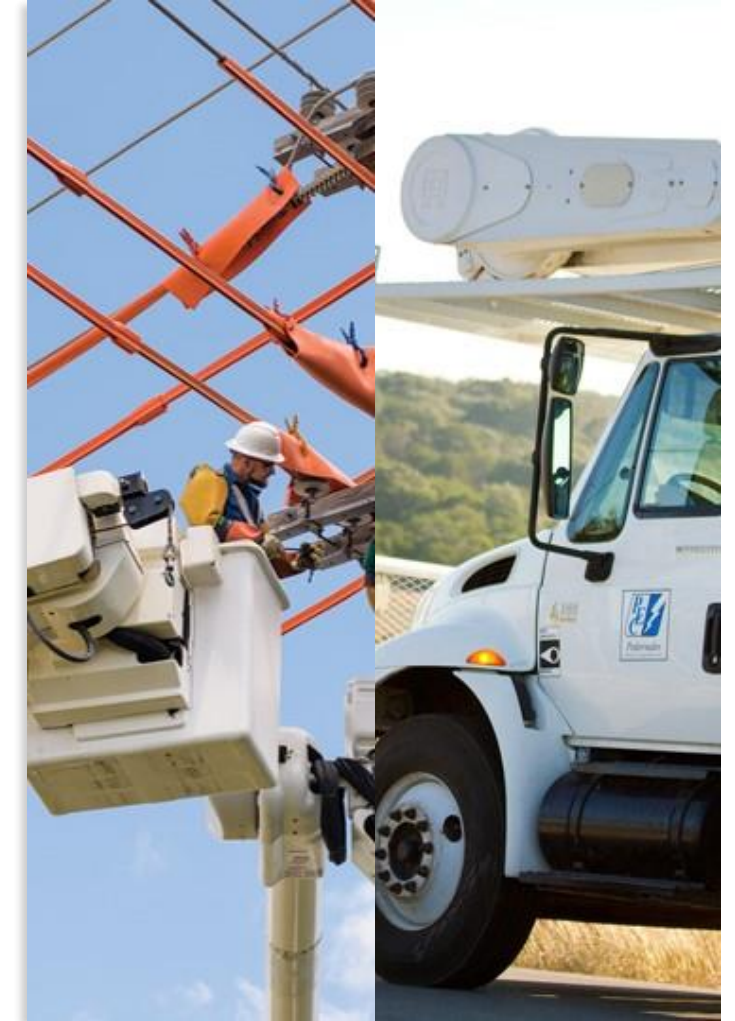
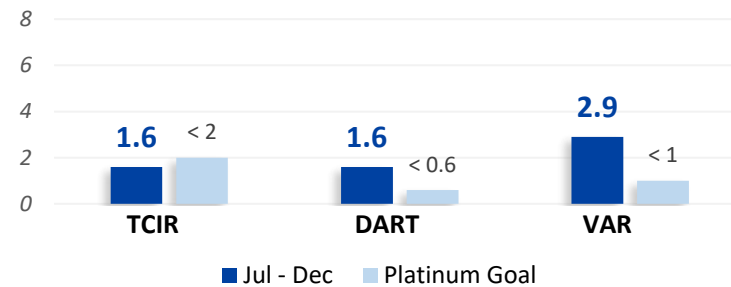
Preventable & Non-Preventable

Preventable:
 2021 YTD: 12
 2022 YTD: 12



KPI Progression

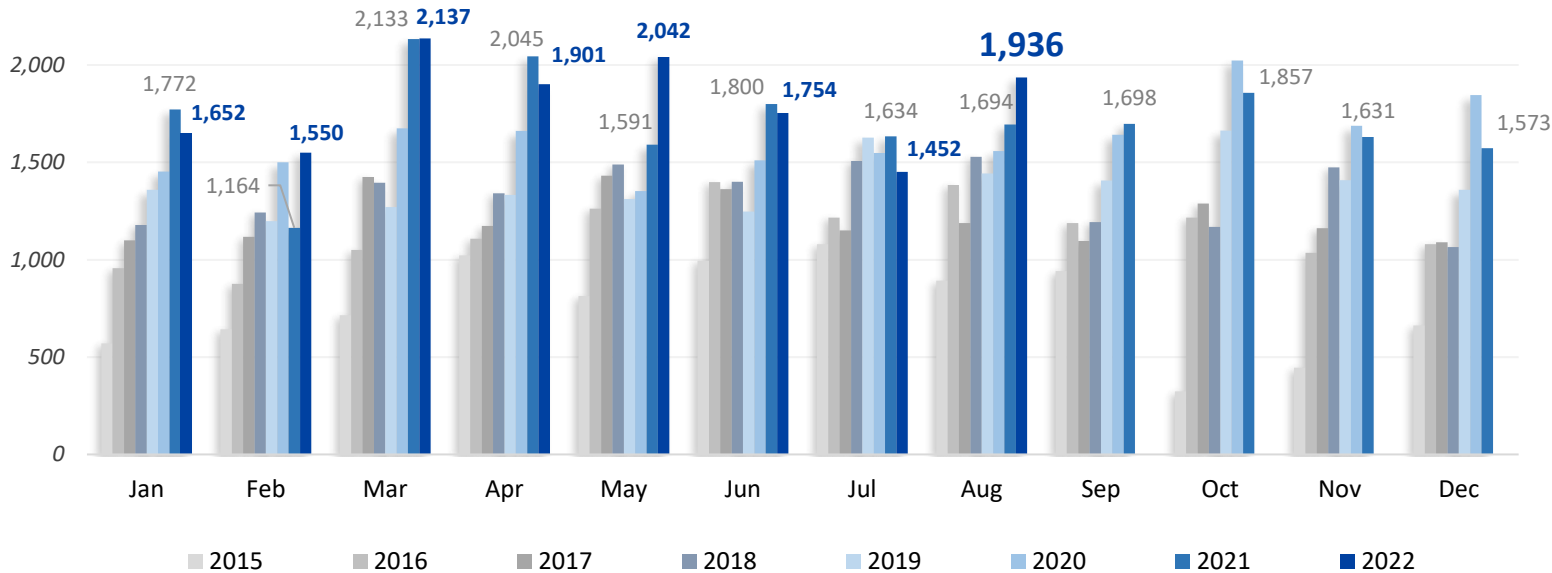
2022 Period Two



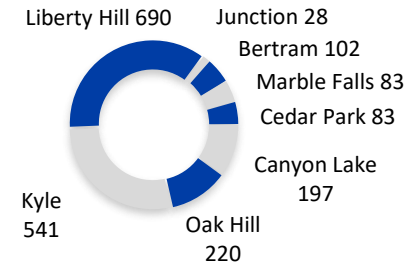
System Growth

Line Extensions Completed

2019: 16,640 2020: 19,458 2021: 20,592 2022 YTD: 14,424



Line Extensions Per District (1,936)

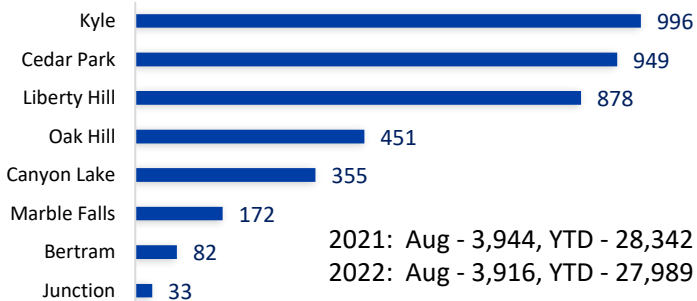


Miles of Distribution Line:

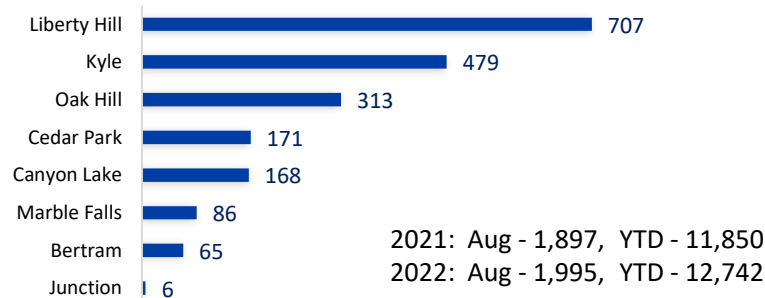
Underground: 6,643 (27%)
 Overhead: 17,565 (73%)
 Total: 24,208



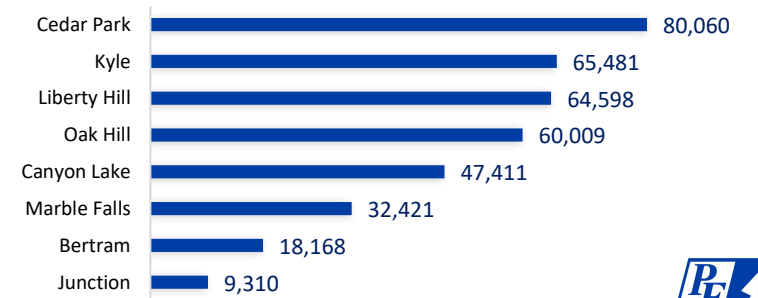
Member Applications (3,916)



Meter Growth (1,995)

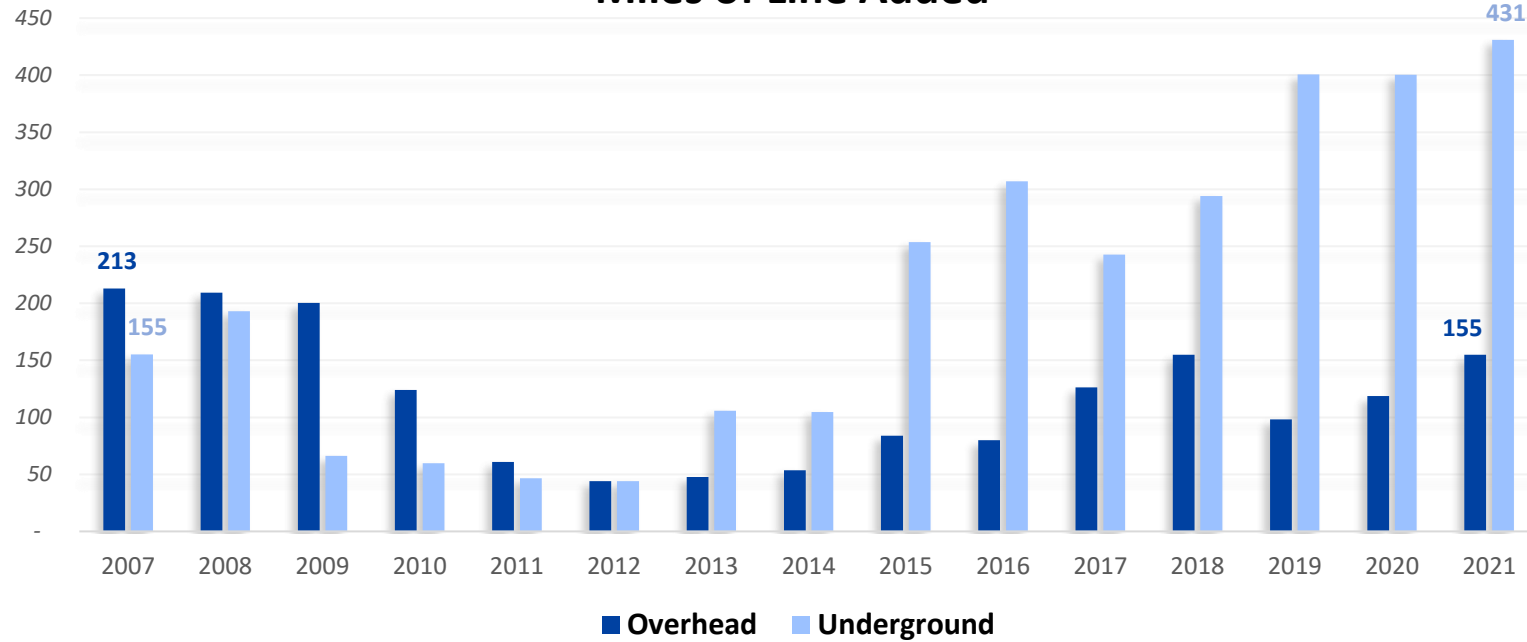


Meter Totals (377,458)

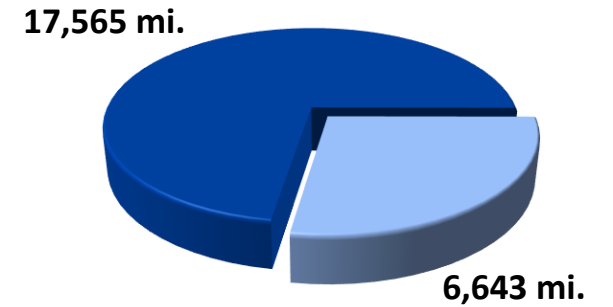


System Growth – Overhead v. Underground

Miles of Line Added

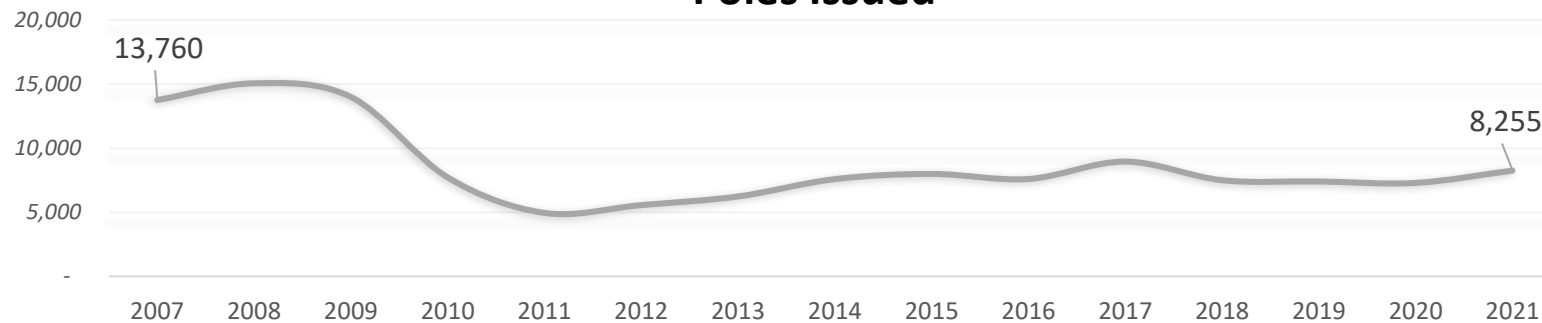


Total Miles of Line 24,208 mi.



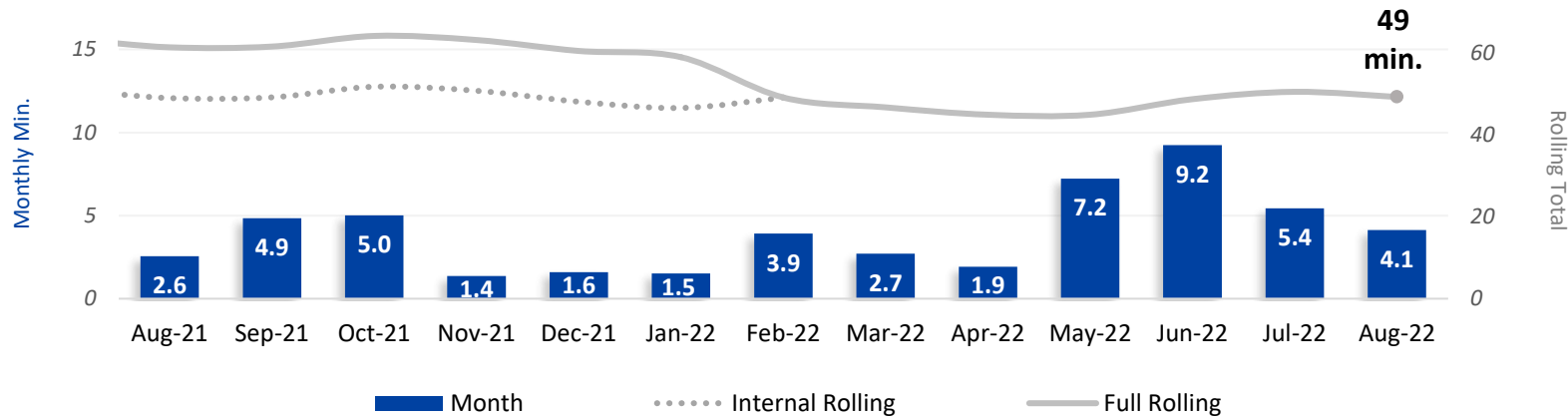
	OH %	URD %
2017	77.3%	22.7%
2018	76.9%	23.1%
2019	75.6%	24.4%
2020	74.4%	25.6%
2021	73.3%	26.7%
Current	72.6%	27.4%

Poles Issued

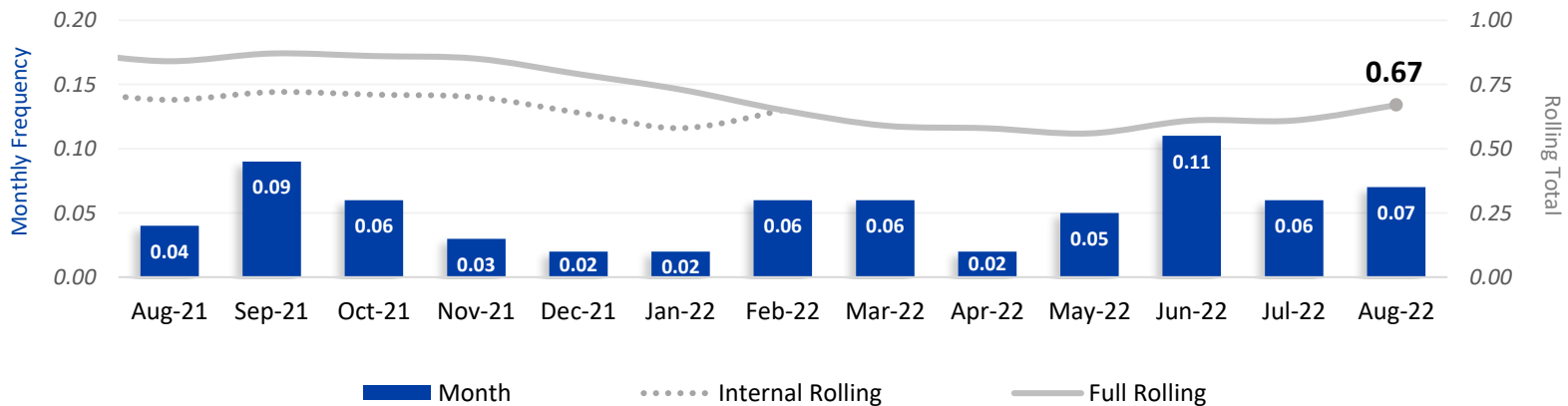


Reliability

System Average Interruption Duration Index (SAIDI)



System Average Interruption Frequency Index (SAIFI)



Improved Outage Messaging

SMS (Text) Outage Messaging in Development

Inbound Outage Reporting

Goal: Allow all members to alert PEC of their individual service interruption via SMS.

Timeframes:

- Sep. 2023 – Development ongoing
- Oct. 2023 – Testing w/ live outage data
- Nov. 2023 – Member messaging begins



Outbound Notifications

Goal: Notify members on the AMI system with updates to recognized service interruptions:

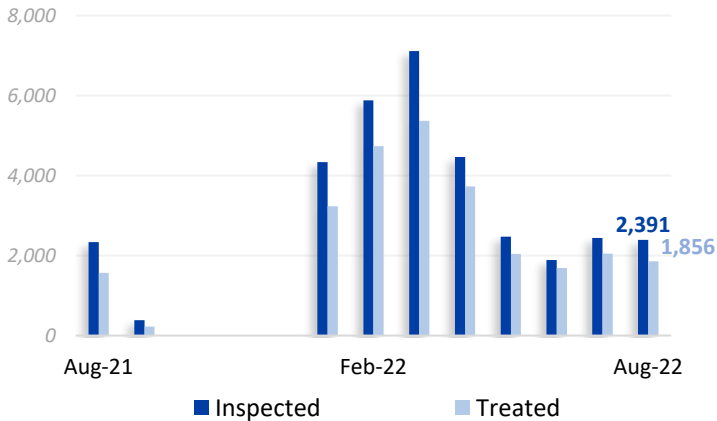
1. PEC awareness of interruption
2. Update of time to restoration (ETR)
3. Confirmation of restoration

Distribution Maintenance

Pole Testing & Treatment (PTT)

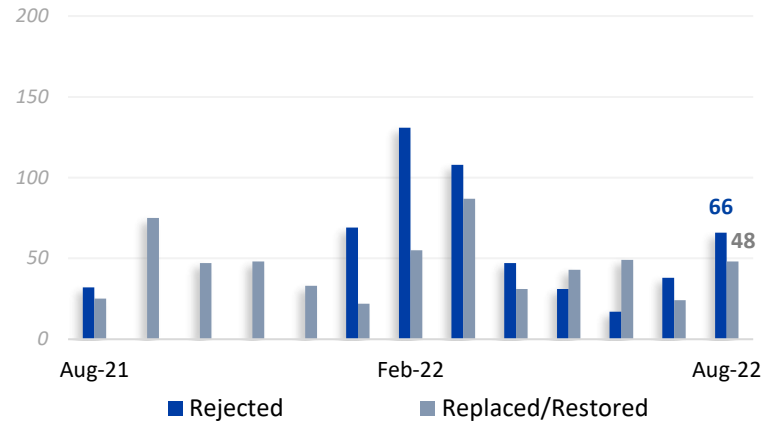
Poles Inspected & Treated

2021 YTD: Inspections - 39,104, Treated - 30,287
 2022 YTD: Inspections - 30,985, Treated - 24,715



Poles Rejected & Replaced/Restored

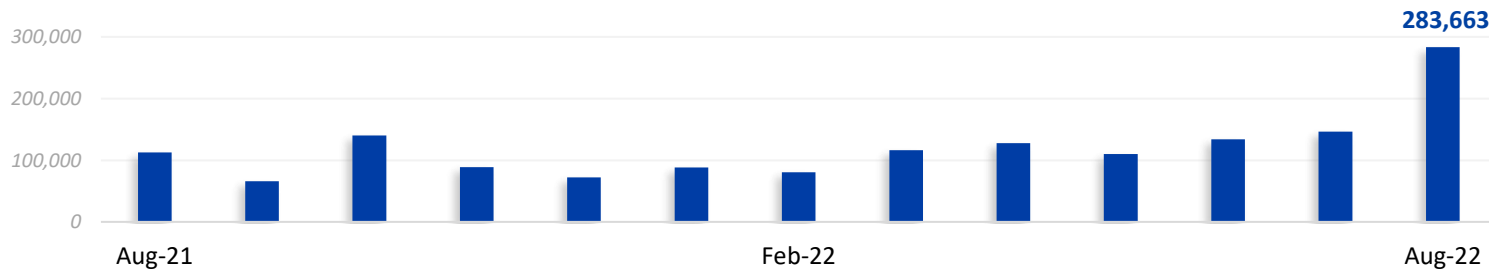
2021 YTD: Rejected - 626, Restored - 630
 2022 YTD: Rejected - 507, Restored - 359



Vegetation Management

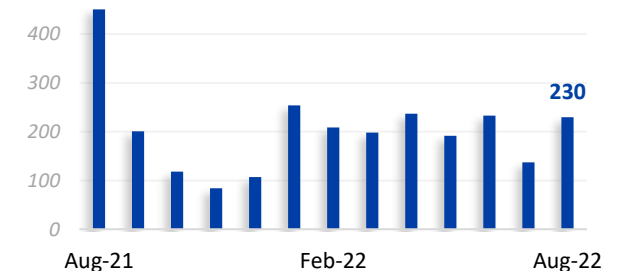
Vegetation Pruned (Ft.)

2021 YTD: 2,476,327 ft. Aug. Locations Worked: 1,160 Aug. Poles Cleared: 519
 2022 YTD: 1,087,909 ft. Aug. URD Clearings: 408



URD Pad Restorations

2021 YTD: 3,129
 2022 YTD: 1,690

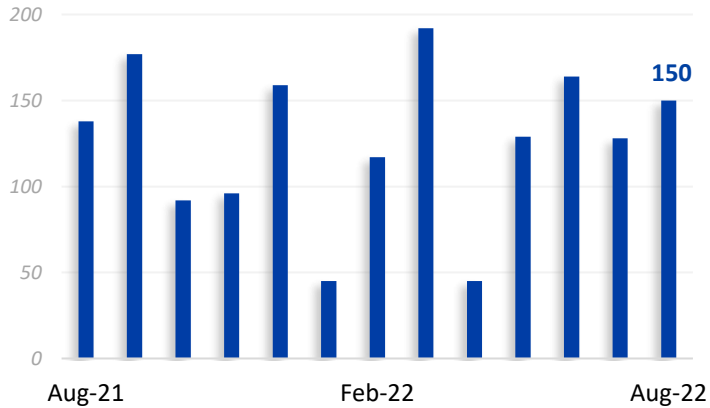


Distribution Maintenance

Technical Services

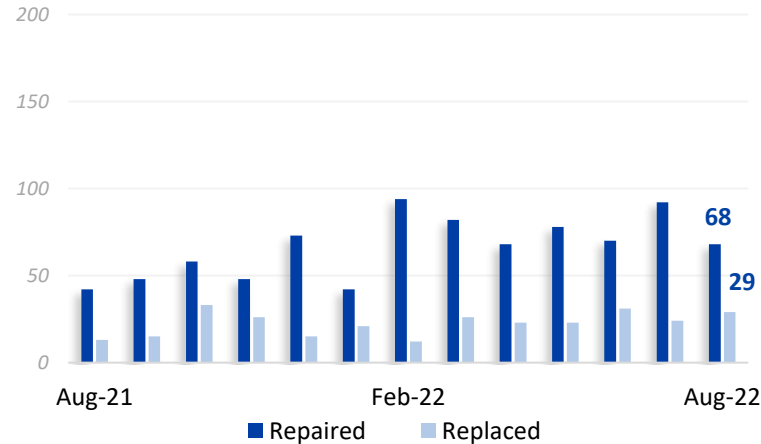
Equipment Inspections

2021 YTD: 904
2022 YTD: 970



Equipment Repaired & Replaced

2021 YTD: Repaired - 403, Replaced - 251
2022 YTD: Repaired - 512, Replaced - 189



Pole Contacts

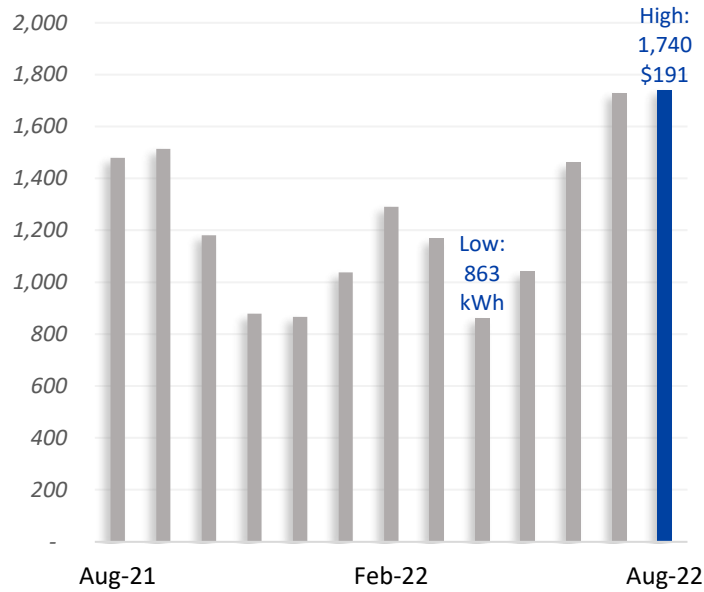
Applications Received & Permits Issued

2021 YTD: Received - 481, Inspected - 516, Approved - 510
2022 YTD: Received - 506, Inspected - 523, Approved - 461



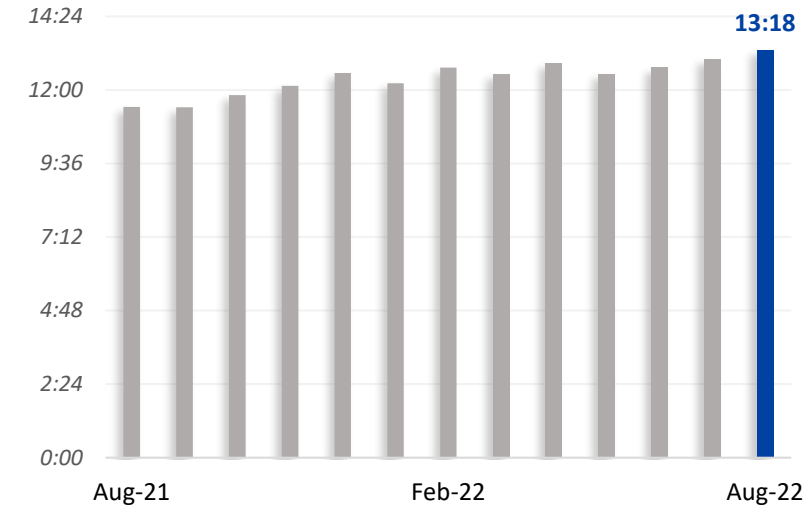
Member Relations

Average Residential Usage



Member Contacts

Average Handle Time

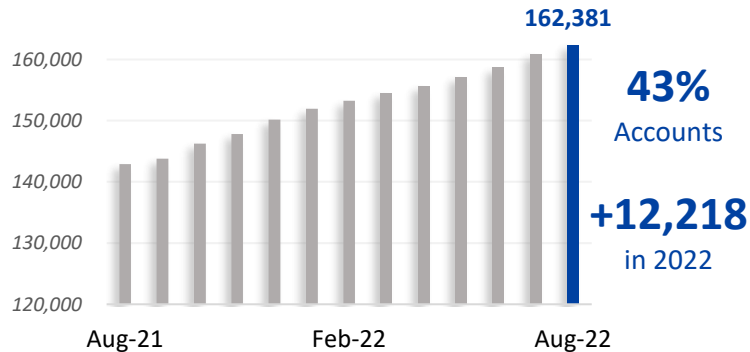


Contact Types

2021: 419,277 Contacts

Main Contact Types	Aug. Totals	
Service Request	10,956	29%
Payment	6,656	18%
Billing Inquiry	5,575	15%
Payment Arrangement	2,839	8%
Account Update	1,847	5%
Autopay Deposit Waiver	1,236	3%

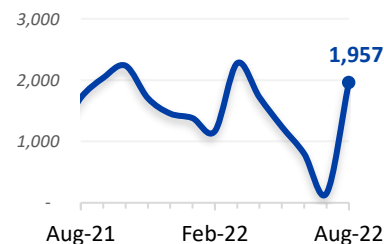
Paperless Enrollments



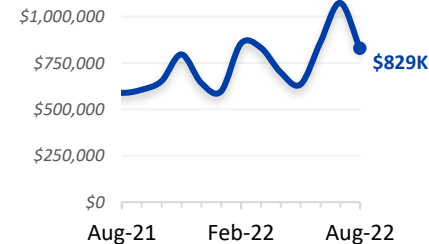
Collections

14 days with no collection activity due to high temp.

Remote Disconnects

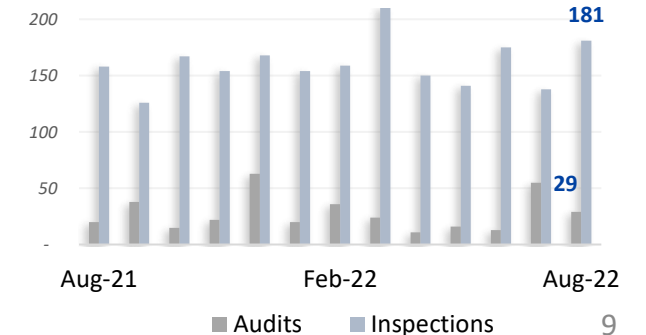


Aged Balances



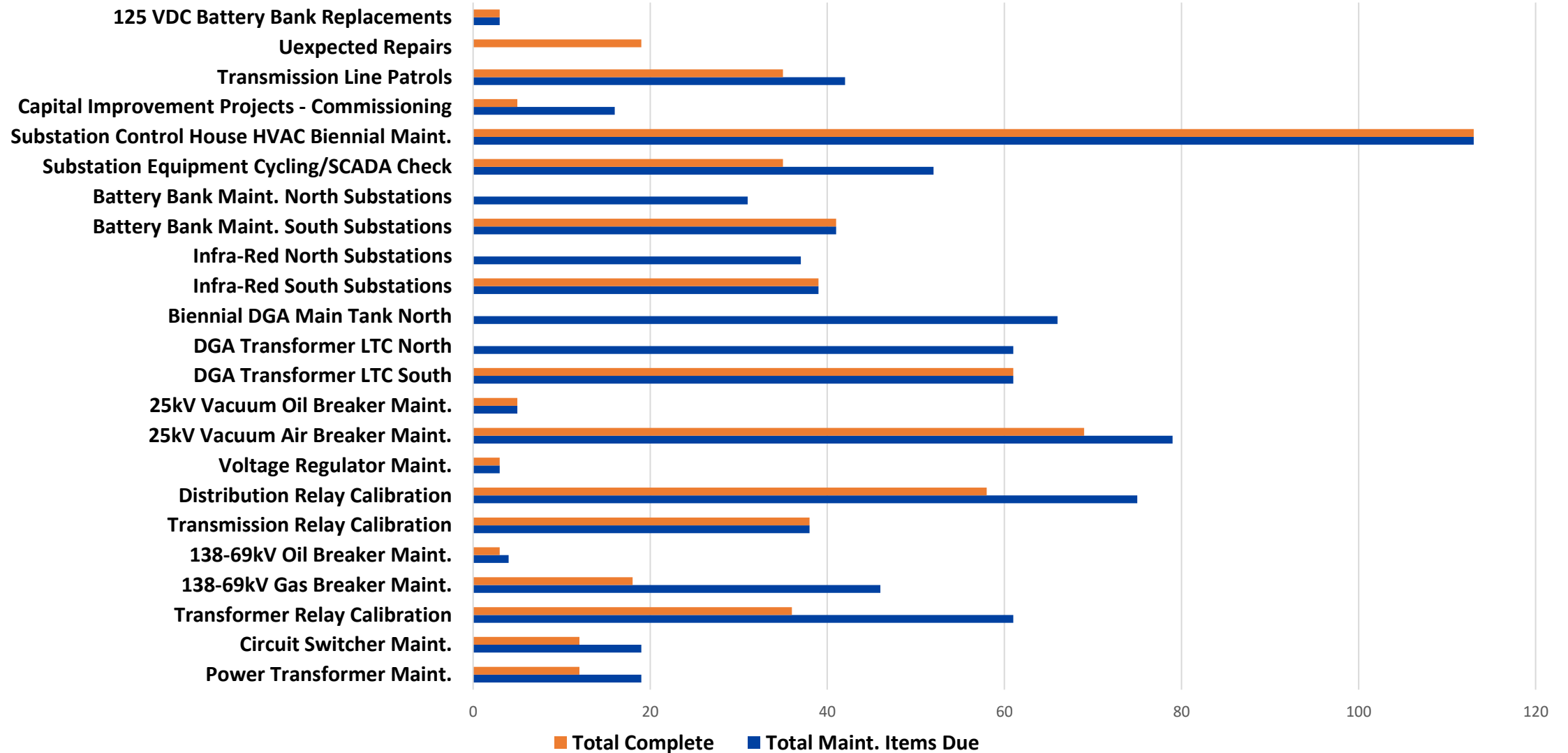
Energy Services

2021 YTD: Audits - 224, Insp. - 1,013
2022 YTD: Audits - 204, Insp. - 1,309



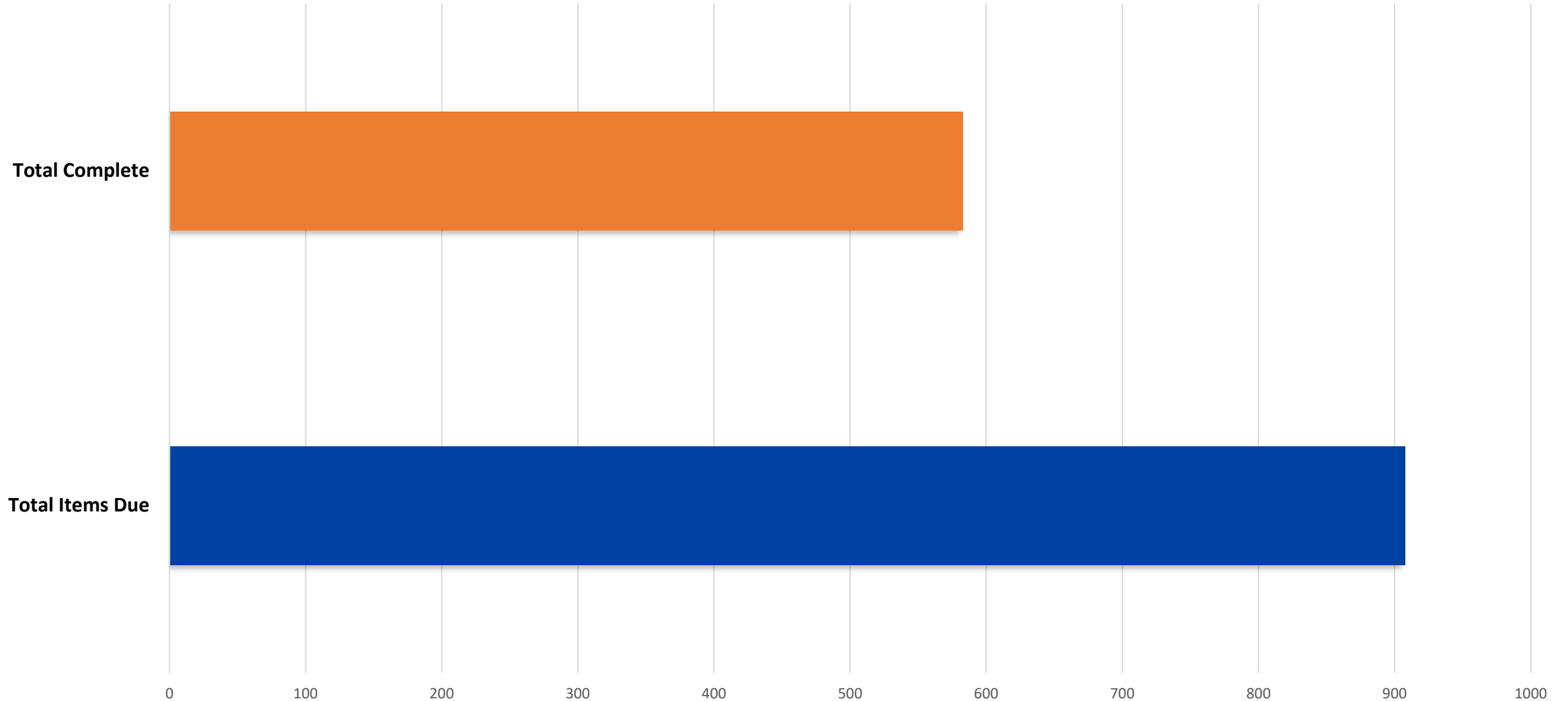
Substation & Transmission Maintenance

2022 Itemized Maintenance By Equipment



2022 Substation & Transmission Maintenance

Overall Status Year-to-Date



Substation Engineering Projects

Overall Status

Project	Project Phase	Description	Completion Date	Percent Complete
WS - BH Remote Ends	Construction	Upgrade line protection relay panels	May 2022	100%
GB T4 Transformer Relay Panel Replacement	Construction	Upgrade T4 transformer panel from electromechanical to digital relays	May 2022	100%
CC T1 Total Breaker Addition	Engineering	Add total breaker to T1 transformer for reliability	Oct 2022	81%
KY T1 Upgrade	Engineering	Upgrade T1 transformer	Nov 2022	77%
138 kV Breaker Replacements	Engineering	Replace four end-of-life oil circuit breakers with SF6 breakers	Dec 2022	69%
Substation Satellite Clock Installations	Construction	Install satellite clocks at substation for time synchronization to relays	Jan 2023	83%
BR Bus Upgrade	Engineering	Upgrade bus to double-bus double-breaker	Apr 2023	69%
SJ T3 Addition	Engineering	Add third power transformer	Jun 2023	36%
LH T4 Addition	Engineering	Add third power transformer	Jun 2023	31%
BU T1 Upgrade	Engineering	Upgrade T1 transformer	Aug 2023	19%
HE Substation	Engineering	Construct new substation	Sep 2023	42%
Mobile Substation Upgrades	Engineering	Upgrade circuit switchers and relay protection on three mobile substations	Oct 2023	42%
JN Substation Upgrade	Engineering	Upgrade T1 transformer and add line breakers (AEP)	Oct 2023	54%
MF - TP - CV Remote Ends	Engineering	Upgrade line protection relay panels	May 2024	45%

Planning Engineering Projects

Overall Status

Project	Completion Date	Percent Complete
Load Projections Study	Jan 2022	100%
UFLS Study	May 2022	100%
4CP Study	May 2022	100%
Summer Contingency	Jun 2022	100%
Regulator Settings	Jun 2022	98%
Capacitor Settings	Jul 2022	90%
Antler Battery Study	Aug 2022	100%
CIP Study	Aug 2022	95%
Mock UFLS Study	Nov 2022	0%
Winter Contingency	Dec 2022	0%
20 Year Plan	Jan 2023	25%
2 Year System Protection Coordination Review	Jan 2024	60%

Transmission Projects

Overall Status

Project	Project Phase	Description	Completion Date	Percent Complete
T319 SA to FC	Procurement	Increase clearance to meet USACE requirements	Dec 2022	45%
T415 MK to HN	Procurement	Respacing shield wire and conductor to reduce outage vulnerability during extreme weather	Jan 2023	45%
2022Transmission Assessment	Planning	NERC required annual planning assessment	Feb 2023	1%
T324 ML to HT	Engineering	Harden transmission line to meet severe weather requirements	Apr 2023	40%
T315 MF to TP	Construction	Harden transmission line to meet severe weather requirements	May 2023	50%
T416 DS to RF	Engineering	Developer funded transmission line relocation	Dec 2023	5%
T353 LA to SJ	Engineering	Add Fiber to existing transmission line	Dec 2023	1%
T760 NL to HE	Engineering	Harden transmission line to meet severe weather requirements	Dec 2023	10%
T327 HE to LA	Engineering	Harden transmission line to meet severe weather requirements	May 2024	10%
T623 TP to CV	Engineering	Harden transmission line to meet severe weather requirements	May 2024	10%
T323 PF to MF	Construction	Reconductor (Phase 1)	Dec 2024	50%
CV to FS	Engineering	Harden transmission line to meet severe weather requirements	Dec 2024	0%
T333 LV to NL	Engineering	Harden transmission line to meet severe weather requirements	May 2025	5%
FS to RF	Engineering	Harden transmission line to meet severe weather requirements	Dec 2025	0%
T323 PF to MF	Engineering	Overhaul (Phase 2)		2%

AMI Distribution

- Junction exchanges for TWACs meter upgrades are complete.
- Exchanges in the Eastern territory remain on hold due supply shortages:
 - Estimating receipt of additional residential 2S AMI meters in 1st quarter, 2023.
 - Closely monitoring the current inventory of both AMI and TWACs meters for use through June 2023.
- Deployment of specialty meter exchanges (polyphase AMI) is complete:
 - Polyphase meters are for commercial and industrial locations, 2S AMI meters are for residential locations.
 - All large power meter exchanges are complete.
 - Small number of remaining polyphase meters will be exchanged with future residential meter exchanges.

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: 40%
- Meters Exchanged: 121,000
- Letters & Emails: 166,000
- Member Opt-Outs: 54

Specialty AMI Exchanges

- Liberty Hill: 2,144
- Junction: 68
- Kyle: 1,963
- Oak Hill: 1,748
- Marble Falls: 509
- Canyon Lake: 217
- Bertram: 159
- Cedar Park: 259

Facilities

Cedar Park Access

The Cedar Park access road to Anderson Mill has been completed.

Dripping Springs Storage Yard

The new fence has been installed and a new top-coat on the existing base material has been installed. Other improvements pending city permit.

Johnson City

Installing generators at the mailroom and the Haley Rd gate and fuel pumps.

Junction

Finalizing design and obtaining bids for yard renovations, pending substation design.

Leander Development

Building construction is in-progress and on schedule.

Marble Falls

Finalizing design, resolving encroachments, gathering bids and obtaining city approval for yard renovations.



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