

T&D Quality Programs

Distribution Performance Meeting
October 2021



Distribution Performance Meeting

Purpose of Meeting:

The purpose of this monthly meeting is to:

- **Review current Quality Control Results**
 - MTD, YTD
 - Tier 1 Metric Status
- **Discuss Highlights**
 - Celebrate Success
 - Identify Specific Focus Areas for Improvement
- **Performance Improvement Plan(s)**
 - If one is needed, Identify Action Owner
 - Review current open Performance Improvement Plans(s)

Desired Outcome:

By the end of the meeting, we will be...

- Aligned on the current state of the Quality Program
- Aligned on the Performance Improvement Plan(s)

Distribution Construction – 2021 Results through September

MTD

297
Total Inspections

215
Pass Total

82
Potential Non-Conformances

72%
P1 & P2 Total CR%

YTD

6,259
Total Inspections

4,950
Pass Total

1,309
Potential Non-Conformances

79%
P1 & P2 Total CR%

Significant decline in performance for the month of August.

YTD and MTD Performance continues to be Off-Target.

Tier 1 Metric	Current Month				YTD				3 Month Rolling			
Program Name	Actuals	Expected Values	% Diff	Status	Actuals	Expected Values	% Diff	Status	Actuals	Expected Values	% Diff	Status
Distribution Construction												
Contractor	71%	90%	-19%	Off Target	77%	90%	-13%	Off Target	79%	90%	-11%	Off Target
SCE	79%	90%	-11%	Off Target	89%	90%	-1%	Off Target	88%	90%	-2%	Off Target

Did not perform QC on SCE in August, focused on AV Effort & Contractor oversight w/ Full Work Order Maps.

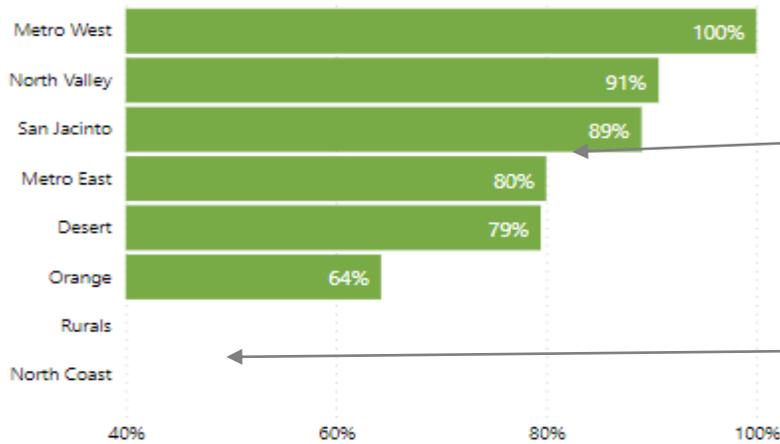
SCE performance is on Target YTD and Exceeding the 3-Month Rolling Avg.

Distribution Construction – 2021 Results through September

MTD

YTD

Conformance Rate by Region | District

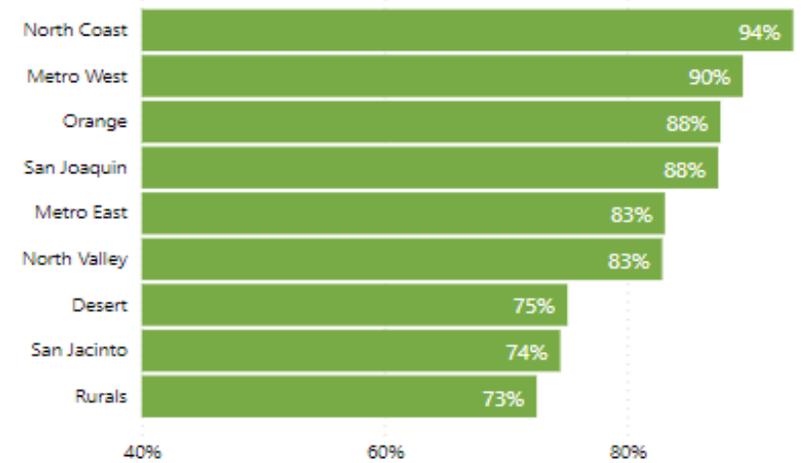


San Jacinto continues to perform at an increasingly better rate, exceeding the 90% threshold

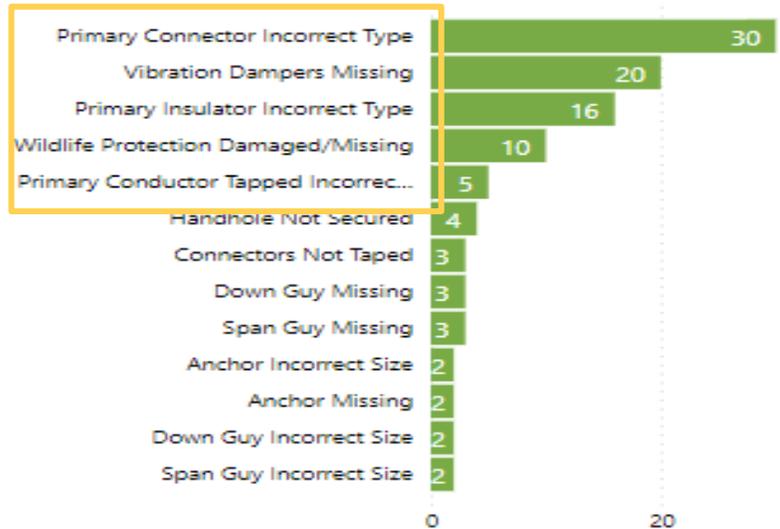
Desert Region is also improving, with nearly 1/3 of all inspections last month and a CR of 81%

Rurals performed 28% of the work and contributing to the lower conformance rate. Vibration Dampeners & Incorrect Primary Insulators accounted for 74% of the findings.

Conformance Rate by Region | District



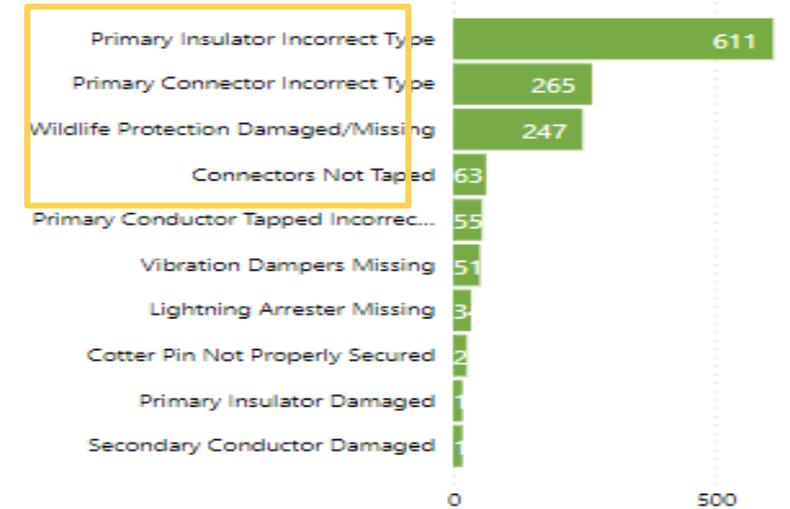
Top 10 P1 & P2 Finding Categories



Vibration Dampers have grown to be the #1 finding in just one month. Work with Supply Chain to schedule this needed material for covered conductor jobs

Incorrect primary insulators, incorrect primary connectors and damaged/missing wildlife protection remain in the Top 4 findings, both MTD and YTD

Top 10 P1 & P2 Finding Categories



Overhead Detail Inspection - YTD 2021 Results Through September

MTD

468

Total Inspections

438

Pass Total

30

Potential Non-Conformances

94%

P1 & P2 Total CR%

YTD

5,704

Total Inspections

5,413

Pass Total

291

Potential Non-Conformances

95%

P1 & P2 Total CR%

Tier 1 Target 97% (+/- 2%)

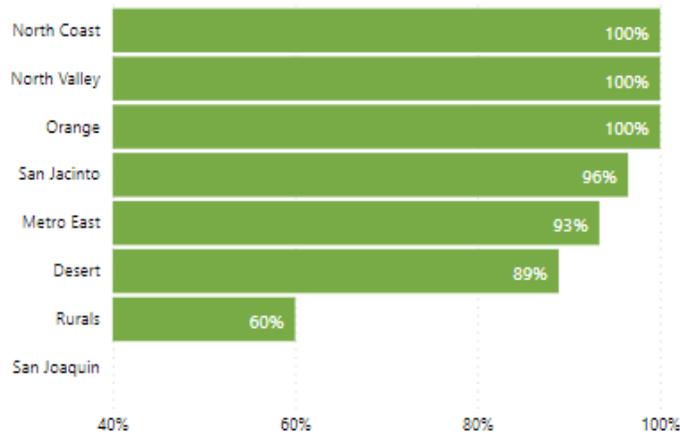
Tier 1 Metric	Current Month				YTD				3 Month Rolling			
Program Name	Actuals	Expected Values	% Diff	Status	Actuals	Expected Values	% Diff	Status	Actuals	Expected Values	% Diff	Status
ODI												
Contractor	92%	97%	-5%	Off Target	95%	97%	-2%	Off Target	92%	97%	-5%	Off Target
SCE	95%	97%	-2%	Off Target	95%	97%	-2%	Off Target	95%	97%	-2%	Off Target

Overhead Detail Inspection - YTD 2021 Results Through September

MTD

YTD

Conformance Rate by Region | District

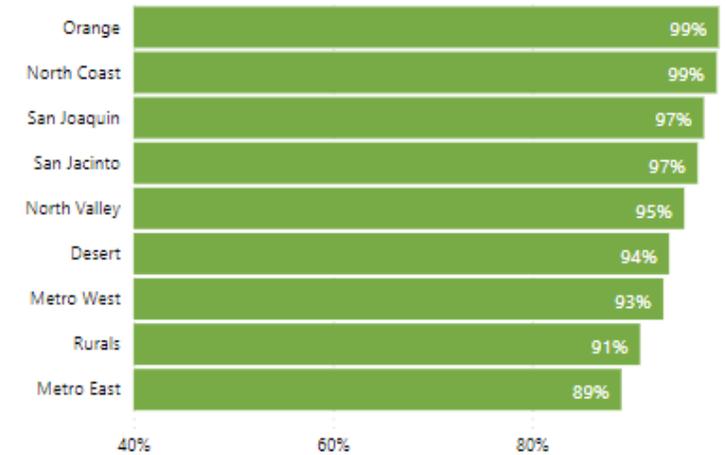


San Jacinto had 47 inspections, or 10% of the month's total with a 100% CR

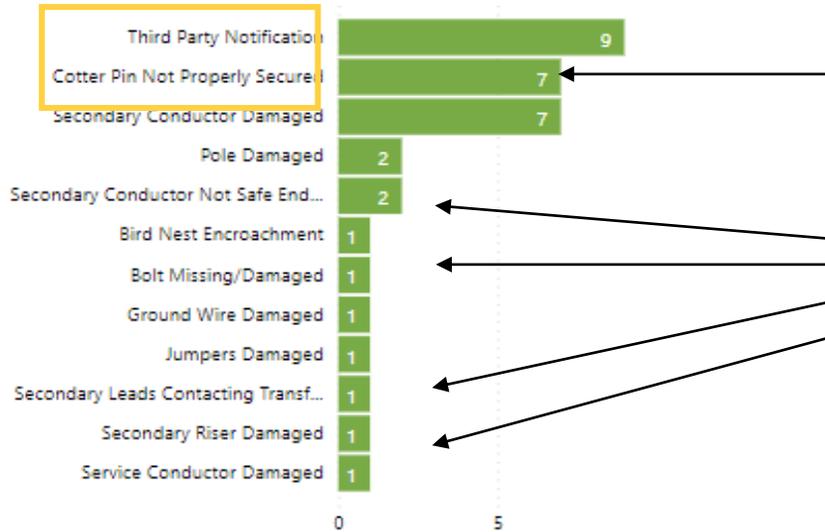
Desert had 184 inspections, 43%, with a score just under threshold, at 95%

Rurals struggled the most in August, with 34% of the inspection counts (146) and a CR of 83%

Conformance Rate by Region | District



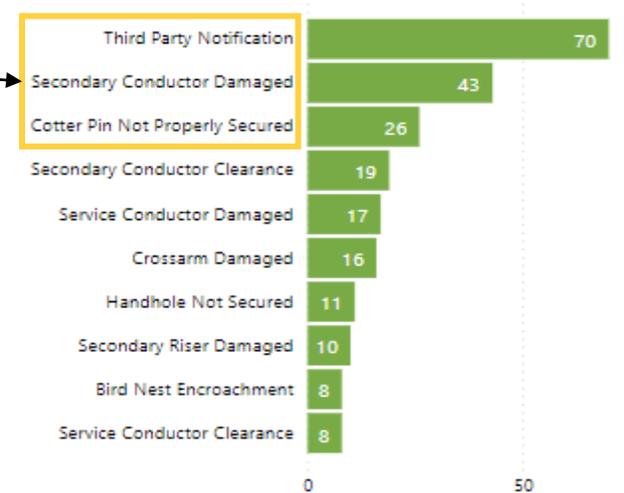
Top 10 P1 & P2 Finding Categories



Third Party Notifications, Secondary Conductor Damages, and Cotter Pins improperly secured are the consistent Top 3 findings both MTD and YTD

Uncommon findings accounted for a number of findings not typically observed in the program such as Ground Rod Damaged, OH Xfrmr Leaking, Riser Kick Block Damaged, Secondary Conductor not safe ended

Top 10 P1 & P2 Finding Categories



Action Plans Needed to Improve Performance

Is an action plan required?

- Based on the analysis discussed today, a formal action plan(s) are required for Distribution Construction and ODI.
- Per our Trending Process, G&R will facilitate the development of the Action Plan with the BU.
- Who are the POC(s) that we can work with develop the overall problem statement and development of the action plan to improve performance?

APPENDIX



QC UDI – YTD 2021 Results Through September

278

Total Inspections

244

Pass Total

34

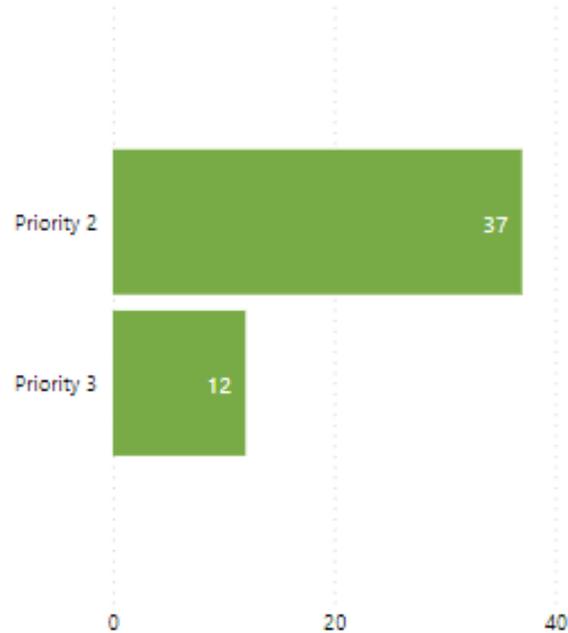
Potential Non-Conformances

88%

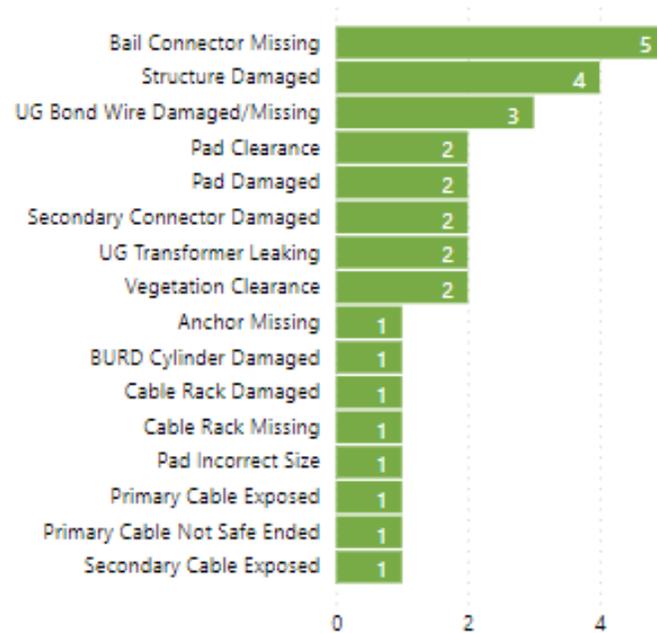
P1 & P2 Total CR%

-2% from target threshold of 90%

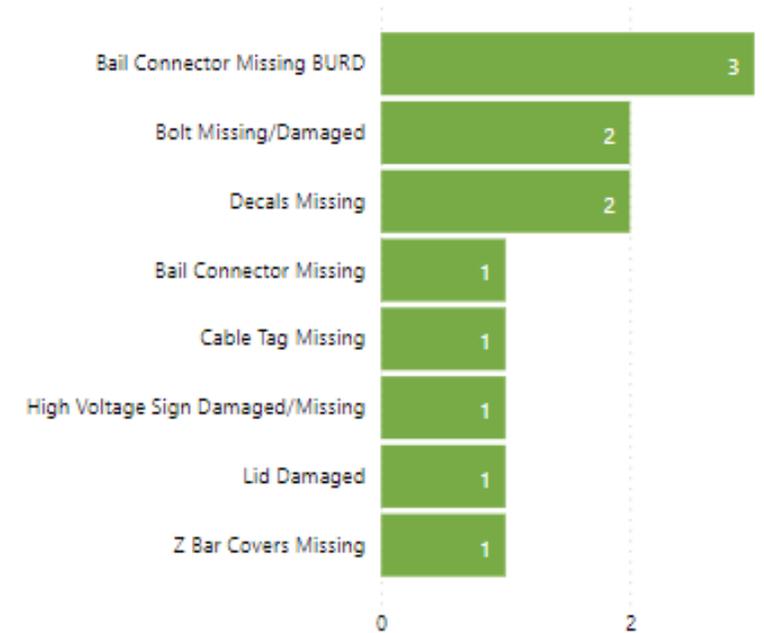
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories

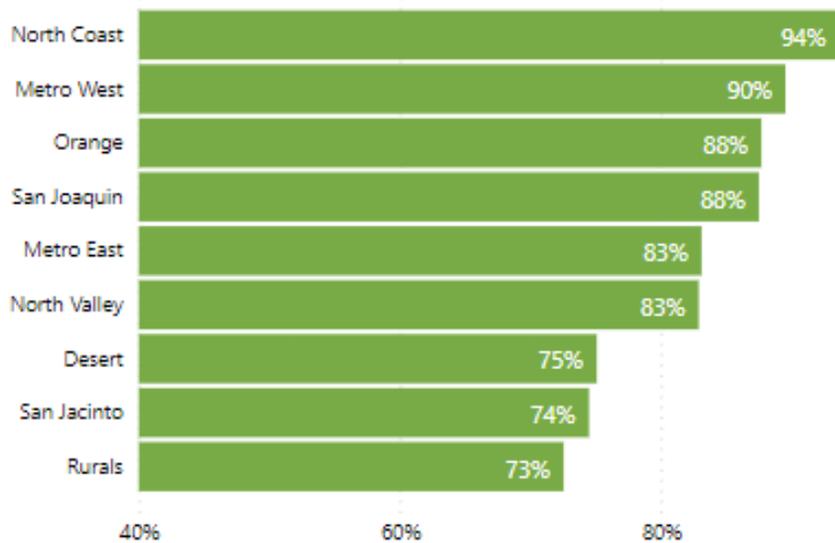


Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
UDI	278	34	88%	90.0%	0	0	37	37	35	0	12	12
Total	278	34	88%	90.0%	0	0	37	37	35	0	12	12

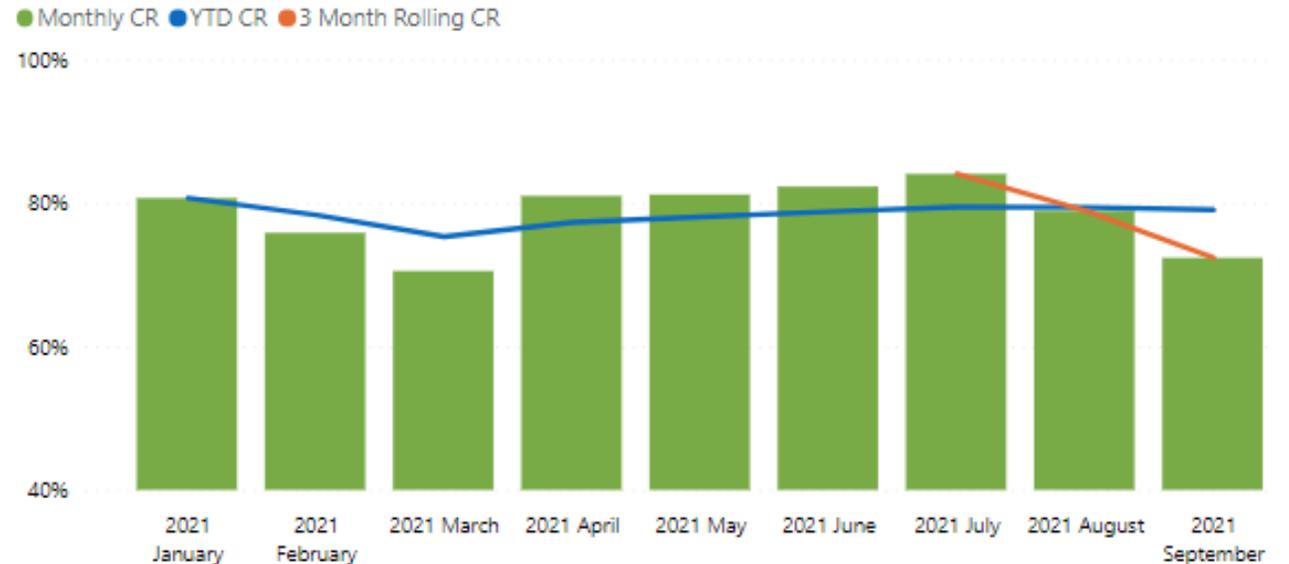
Distribution Construction – YTD 2021 Results Through September

Total	6,259 Total Inspections	4,950 Pass Total	1,309 Potential Non-Conformances	79% P1 & P2 Total CR% <i>+4% from YTD March</i>
SCE	936 Total Inspections	836 Pass Total	100 Potential Non-Conformances	89% P1 & P2 Total CR% <i>-2% from YTD March</i>
Contractor	5,323 Total Inspections	4,114 Pass Total	1,209 Potential Non-Conformances	77% P1 & P2 Total CR% <i>+5% from YTD March</i>

Conformance Rate by Region | District

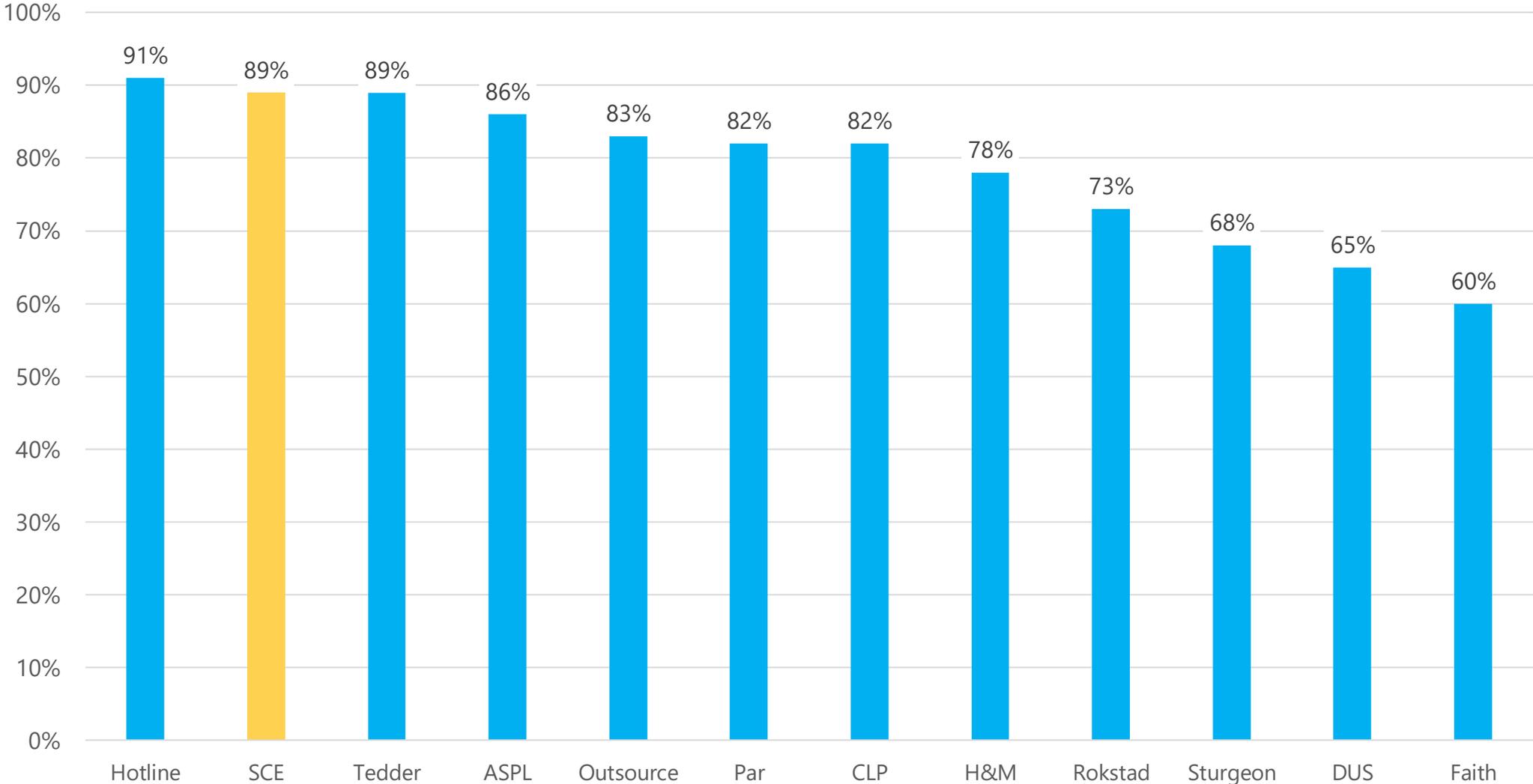


Conformance Rate Trending



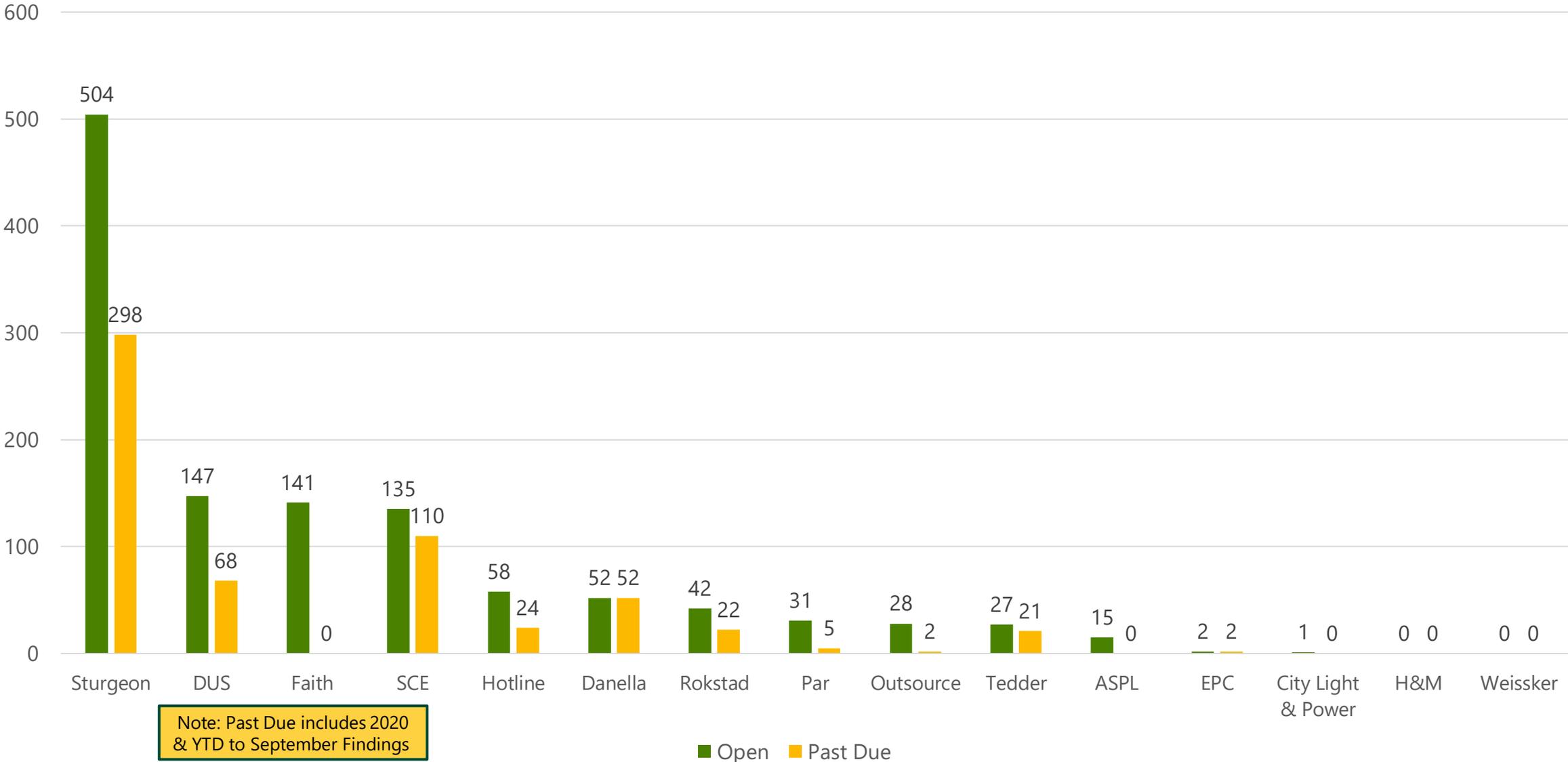
QC Results By Contractor

QC Distribution Construction Program – YTD September 2021
Conformance Rate (%) by Contractor



QC Results By Contractor

QC Distribution Construction Program – Open & Past Due P1s & P2s



YTD September 2021 QC Results (Dist. Construction) – Sturgeon/San Jacinto Region

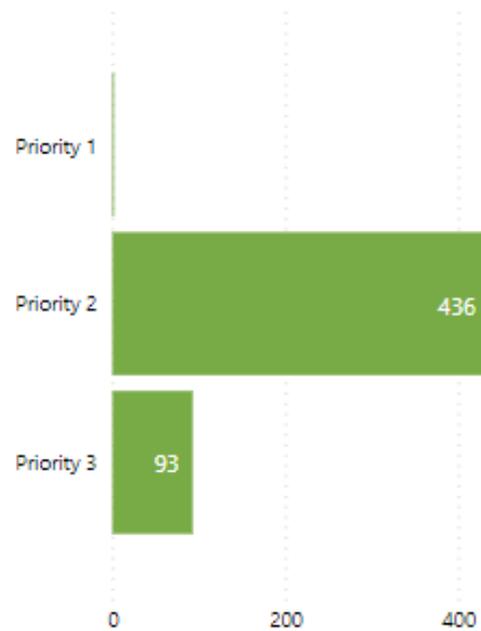
1,064
Total Inspections

720
Pass Total

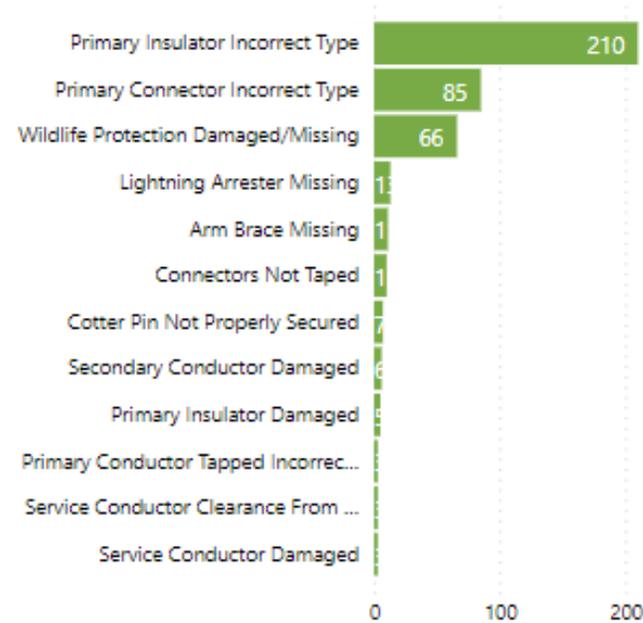
344
Potential Non-Conformances

68%
P1 & P2 Total CR%

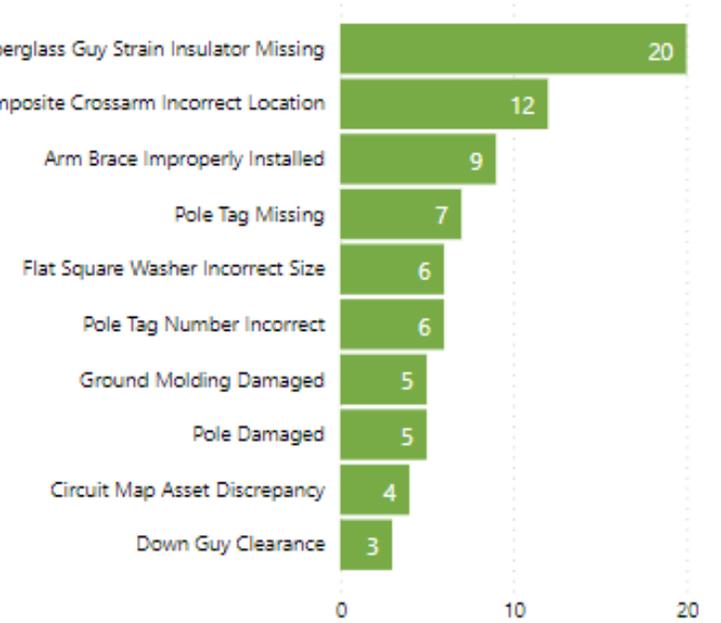
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	1,064	344	68%	97.0%	1	0	436	437	317	298	81	93
Total	1,064	344	68%	97.0%	1	0	436	437	317	298	81	93

YTD September 2021 QC Results (Dist. Construction) – Desert Region

903

Total Inspections

678

Pass Total

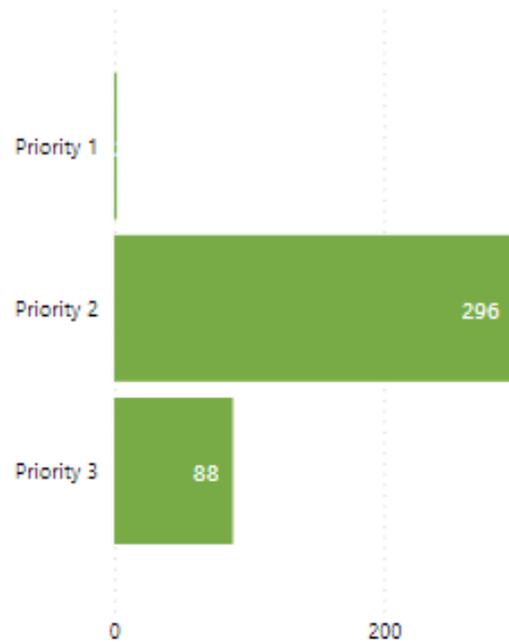
225

Potential Non-Conformances

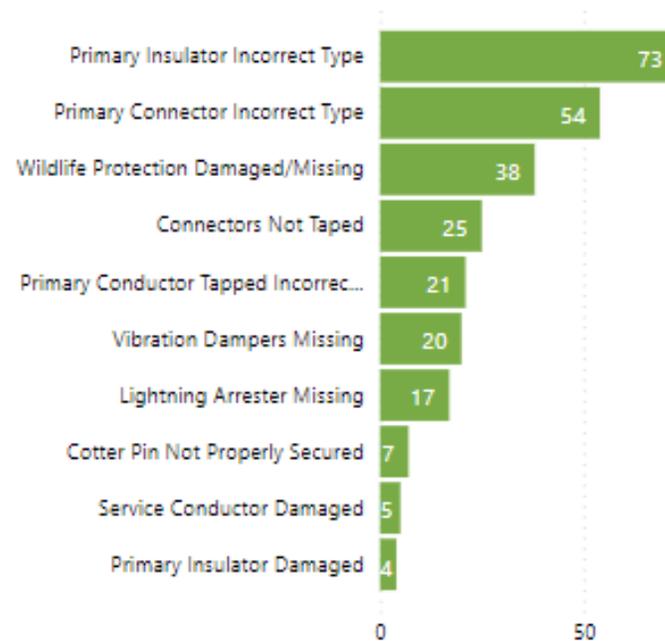
75%

P1 & P2 Total CR%

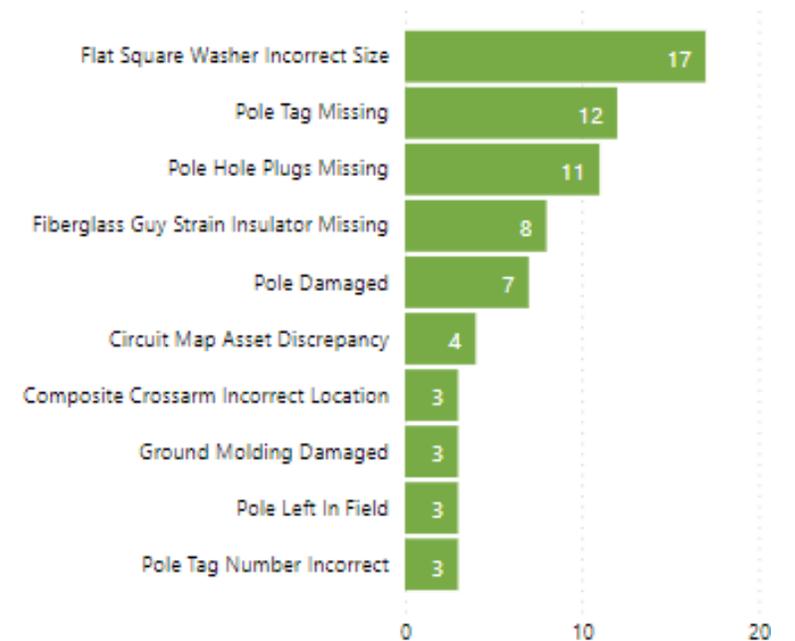
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	903	225	75%	97.0%	2	0	296	298	175	78	84	88
Total	903	225	75%	97.0%	2	0	296	298	175	78	84	88

YTD September 2021 QC Results (Dist. Construction) – Metro East

225

Total Inspections

187

Pass Total

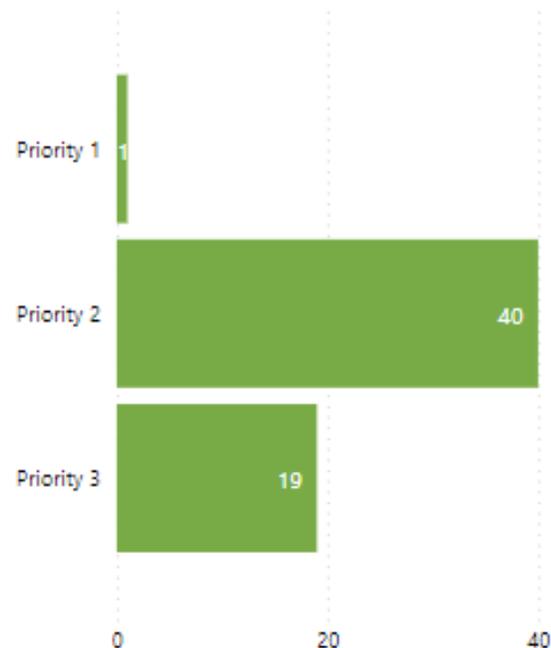
38

Potential Non-Conformances

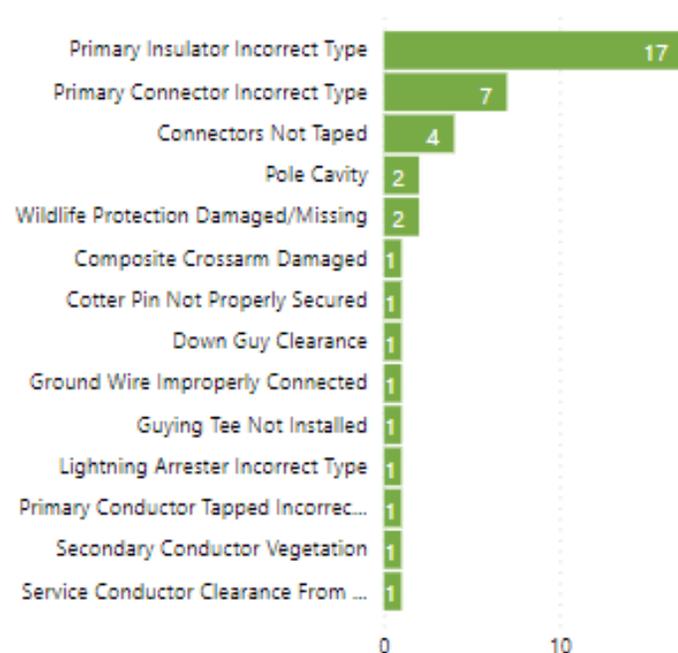
83%

P1 & P2 Total CR%

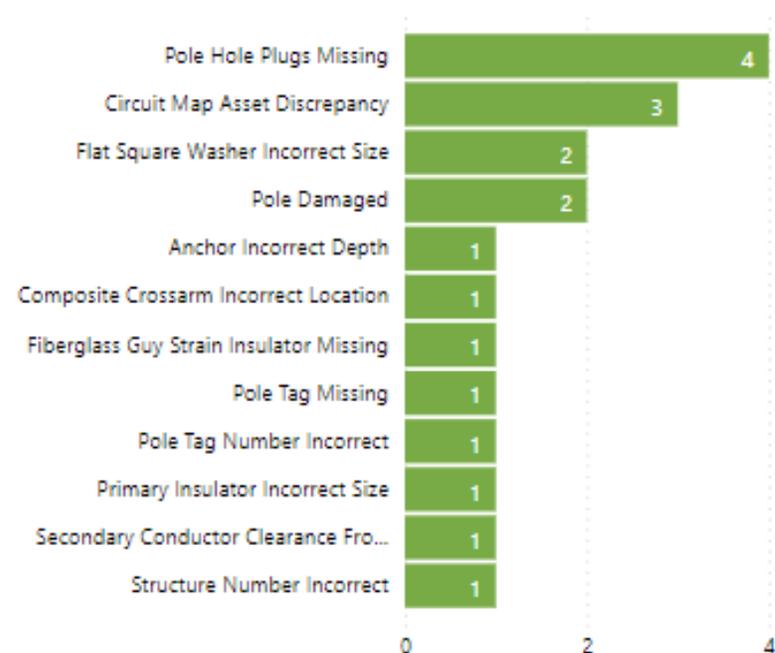
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	225	38	83%	97.0%	1	0	40	41	6	4	18	19
Total	225	38	83%	97.0%	1	0	40	41	6	4	18	19

YTD September 2021 QC Results (Dist. Construction) – Metro West

86

Total Inspections

77

Pass Total

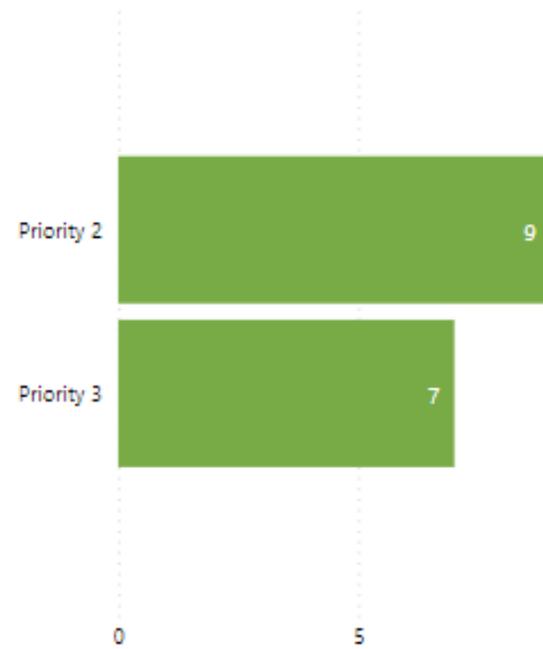
9

Potential Non-Conformances

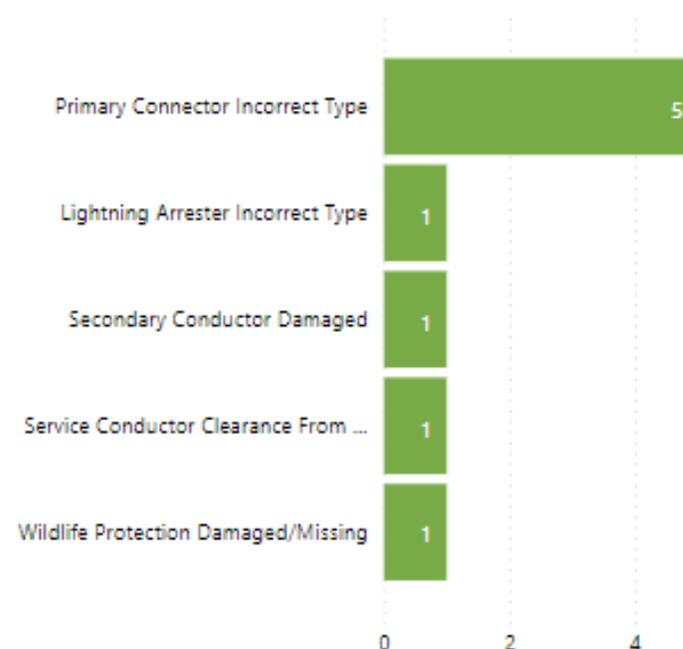
90%

P1 & P2 Total CR%

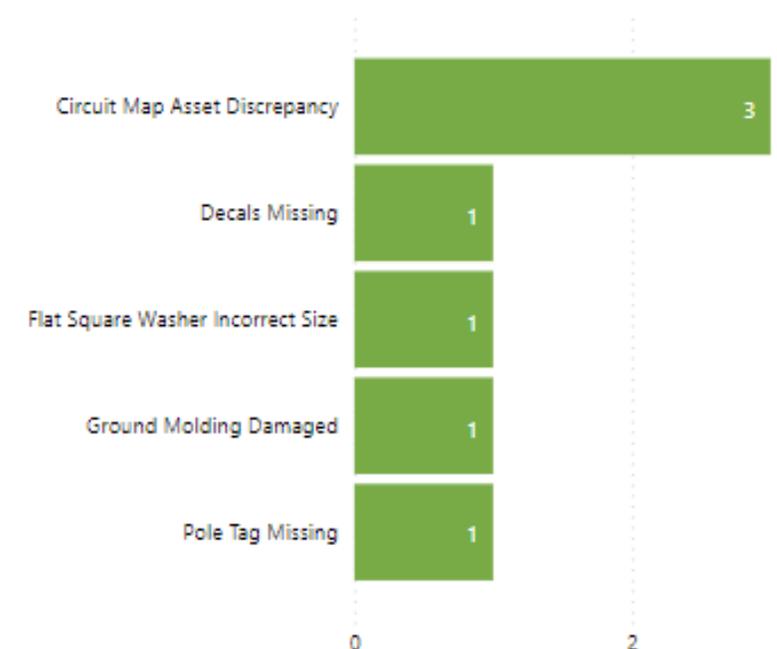
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	86	9	90%	95.0%	0	0	9	9	3	2	7	7
Total	86	9	90%	95.0%	0	0	9	9	3	2	7	7

YTD September 2021 QC Results (Dist. Construction) – North Coast

538

Total Inspections

504

Pass Total

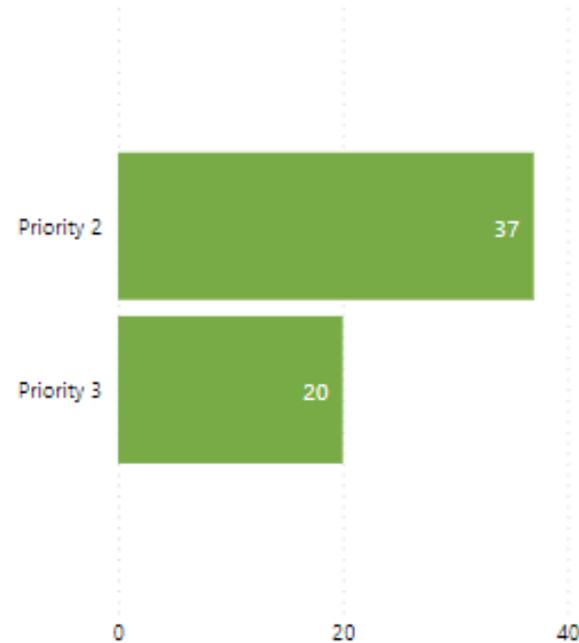
34

Potential Non-Conformances

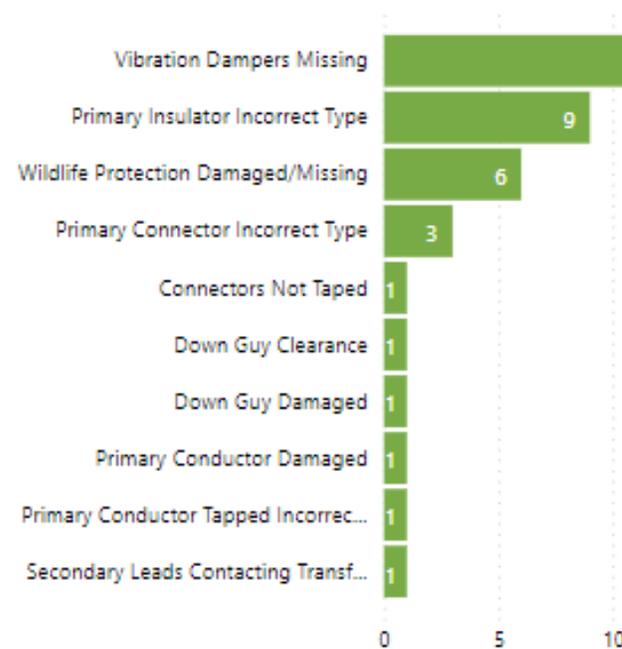
94%

P1 & P2 Total CR%

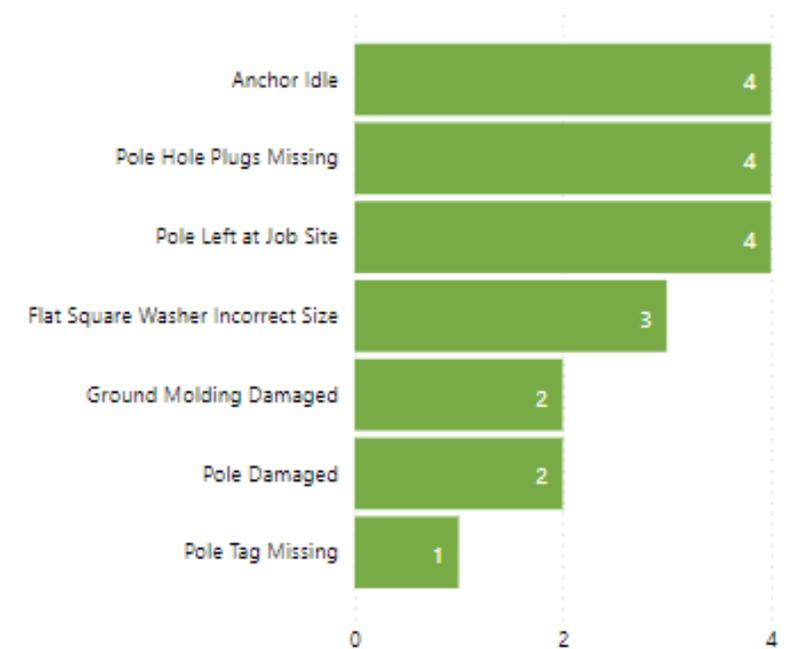
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	538	34	94%	97.0%	0	0	37	37	19	0	20	20
Total	538	34	94%	97.0%	0	0	37	37	19	0	20	20

YTD September 2021 QC Results (Dist. Construction) – North Valley

1,666

Total Inspections

1,381

Pass Total

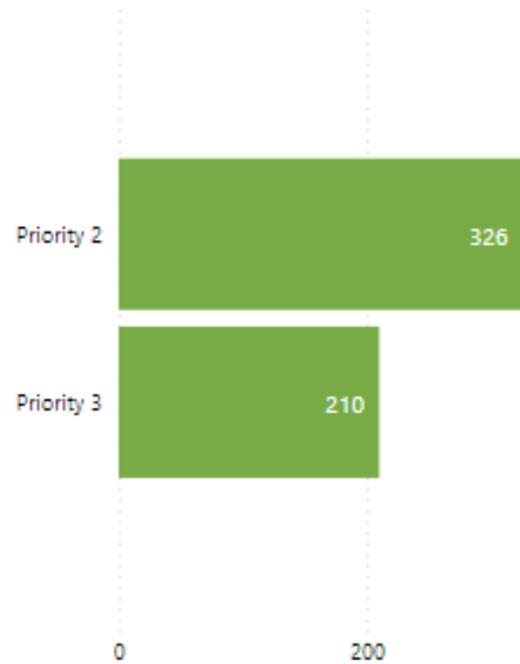
285

Potential Non-Conformances

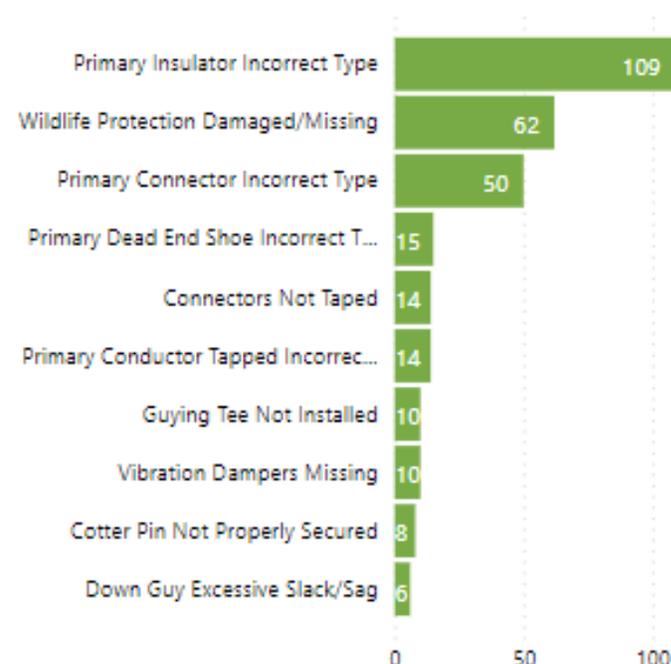
83%

P1 & P2 Total CR%

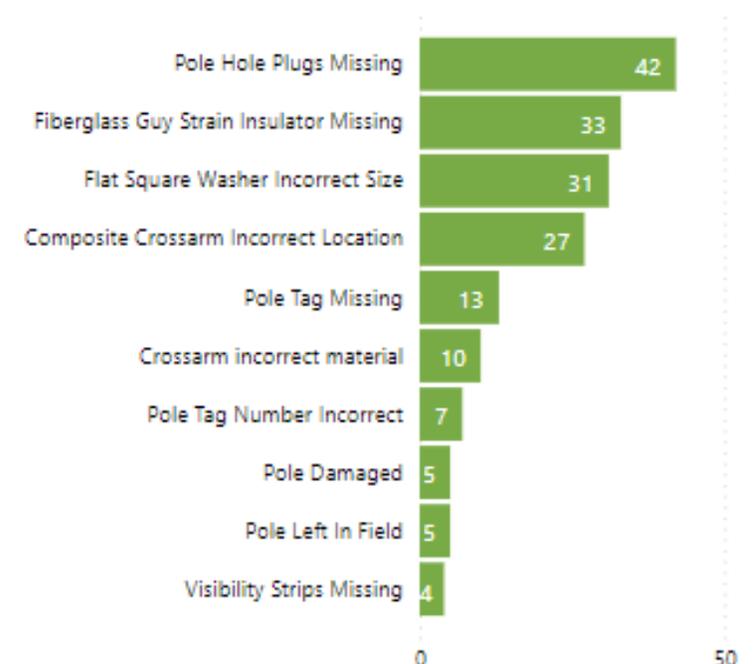
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	1,666	285	83%	97.0%	0	0	326	326	117	50	173	210
Total	1,666	285	83%	97.0%	0	0	326	326	117	50	173	210

YTD September 2021 QC Results (Dist. Construction) – Orange

130

Total Inspections

114

Pass Total

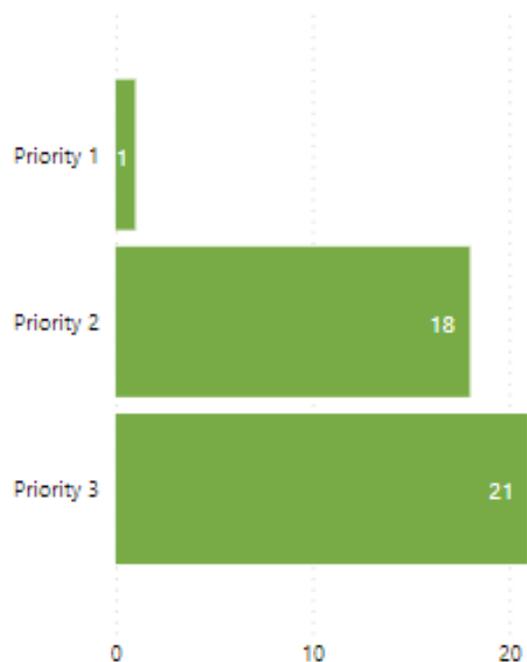
16

Potential Non-Conformances

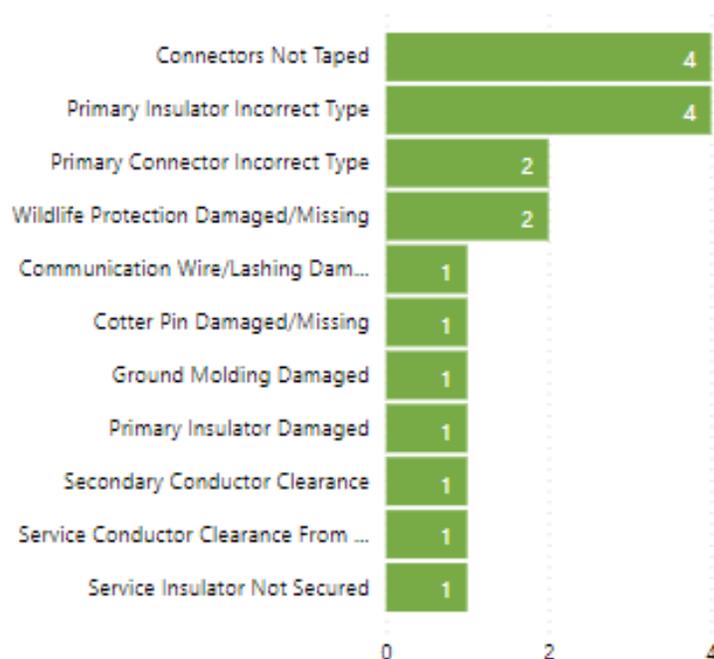
88%

P1 & P2 Total CR%

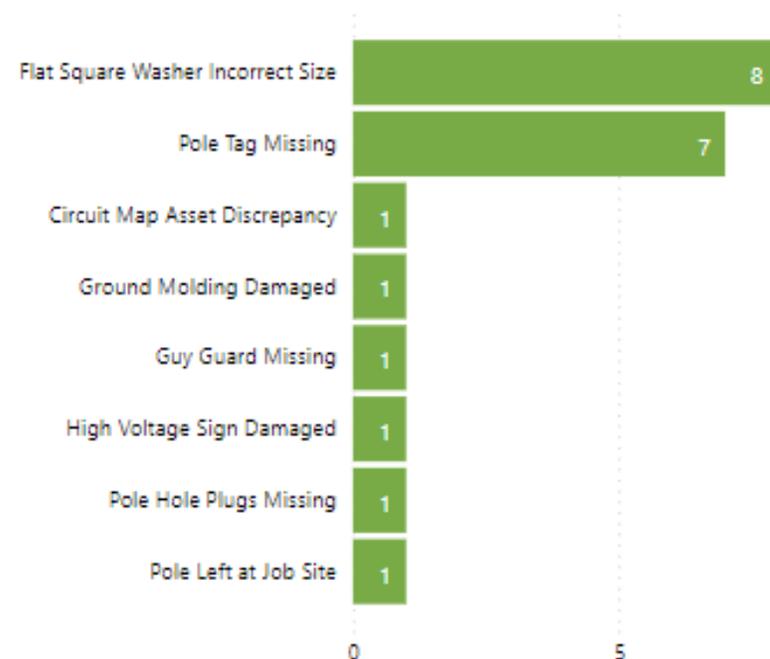
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	130	16	88%	97.0%	1	0	18	19	9	4	16	21
Total	130	16	88%	97.0%	1	0	18	19	9	4	16	21

YTD September 2021 QC Results (Dist. Construction) – Rurals

856

Total Inspections

621

Pass Total

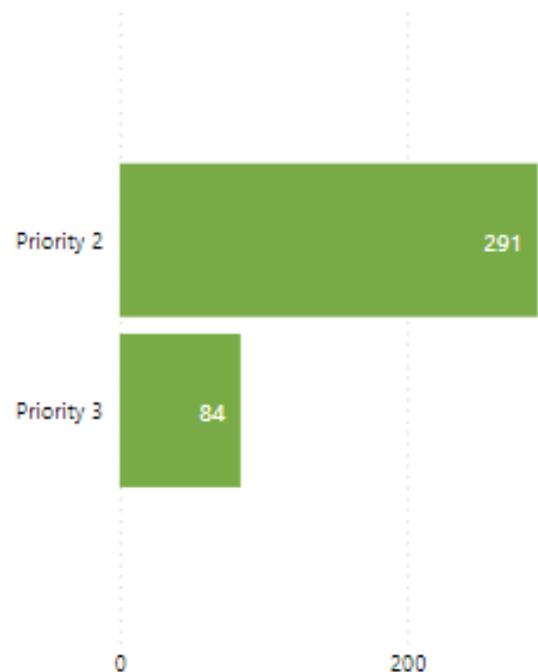
235

Potential Non-Conformances

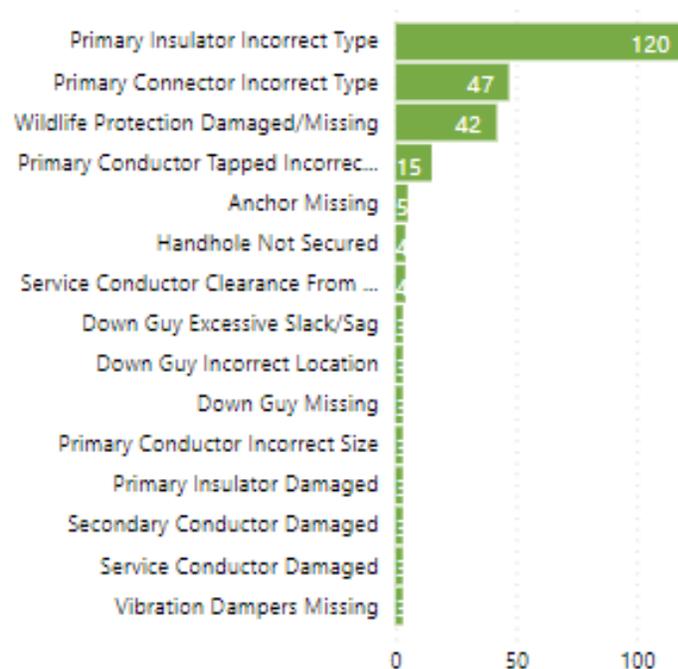
73%

P1 & P2 Total CR%

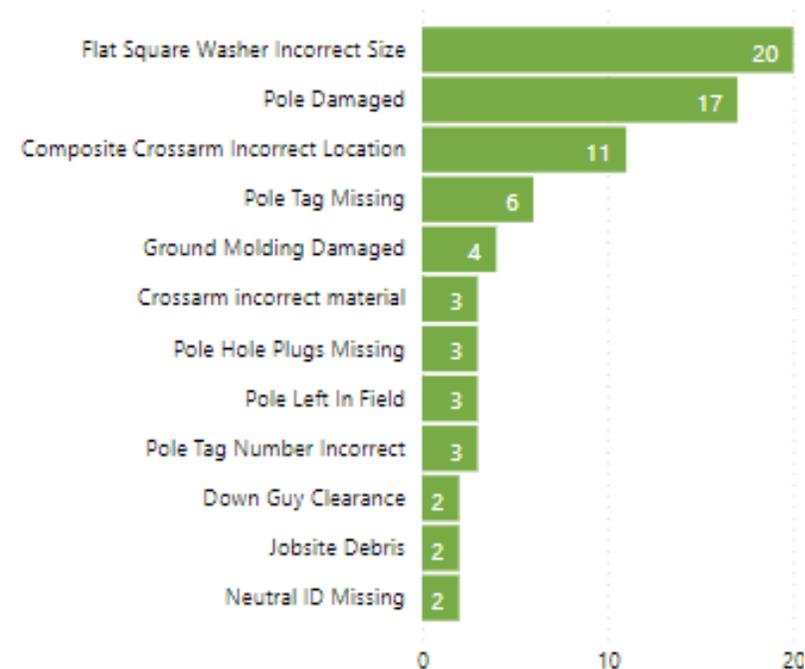
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	856	235	73%	97.0%	0	0	291	291	173	8	69	84
Total	856	235	73%	97.0%	0	0	291	291	173	8	69	84

YTD September 2021 QC Results (Dist. Construction) – San Jacinto

1,807

Total Inspections

1,346

Pass Total

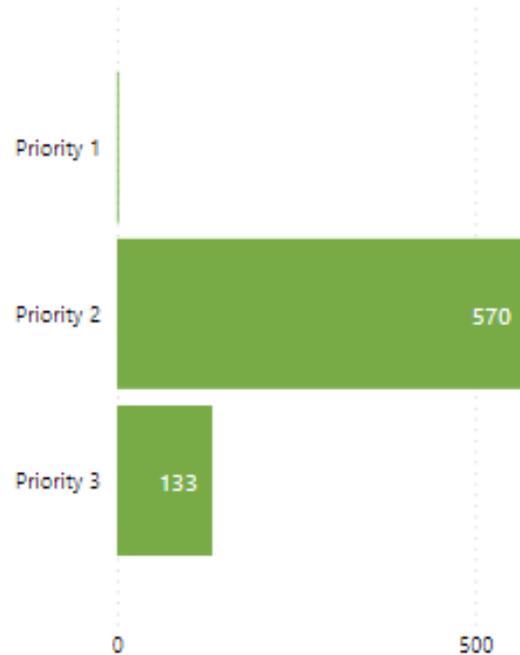
461

Potential Non-Conformances

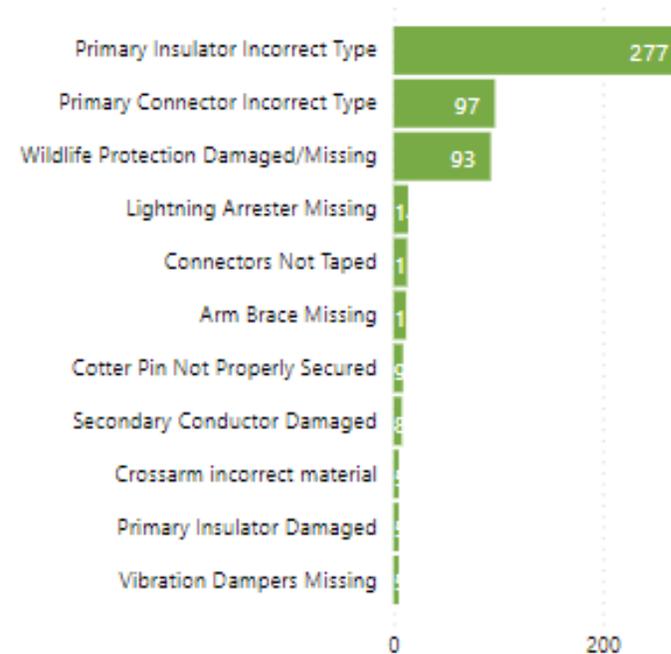
74%

P1 & P2 Total CR%

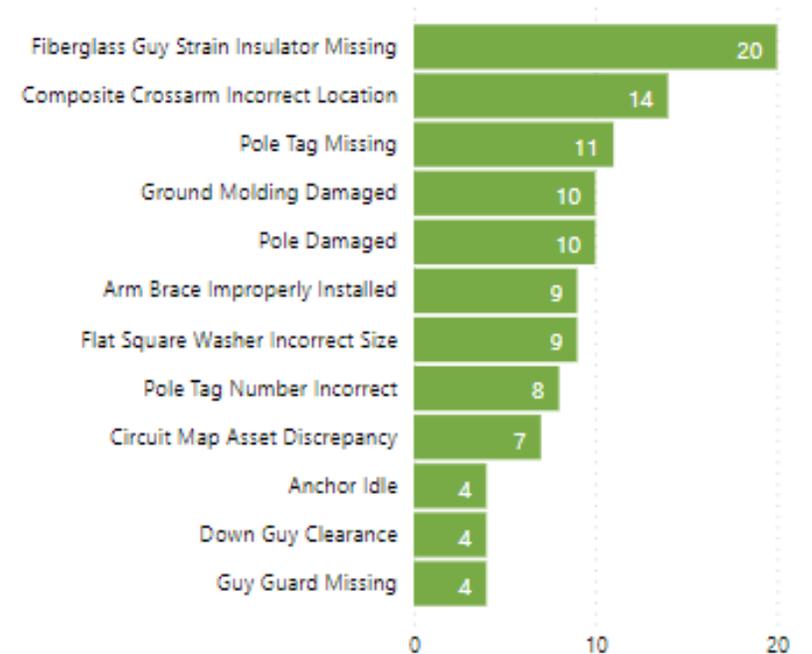
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	1,807	461	74%	97.0%	1	0	570	571	352	316	117	133
Total	1,807	461	74%	97.0%	1	0	570	571	352	316	117	133

YTD September 2021 QC Results (Dist. Construction) – San Joaquin

48

Total Inspections

42

Pass Total

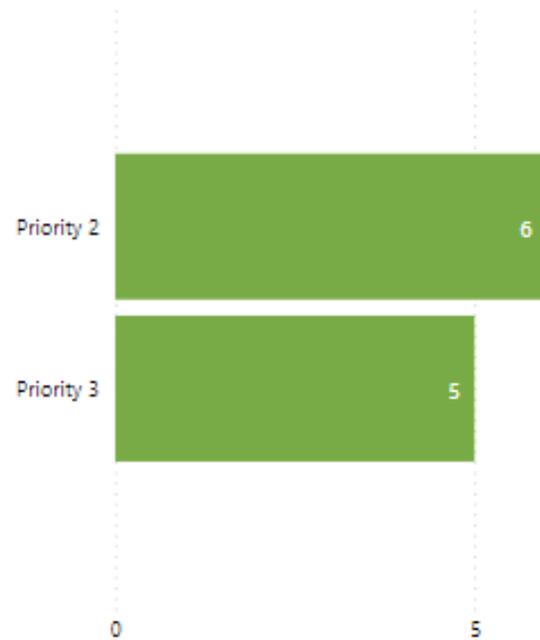
6

Potential Non-Conformances

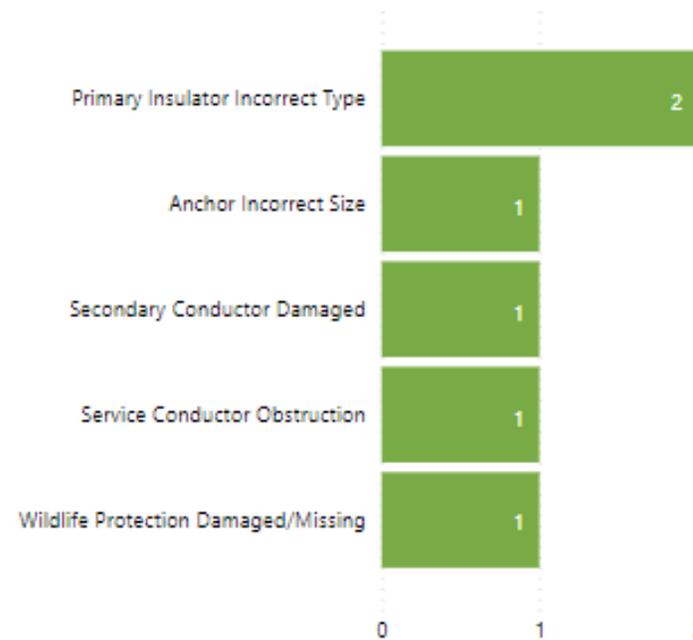
88%

P1 & P2 Total CR%

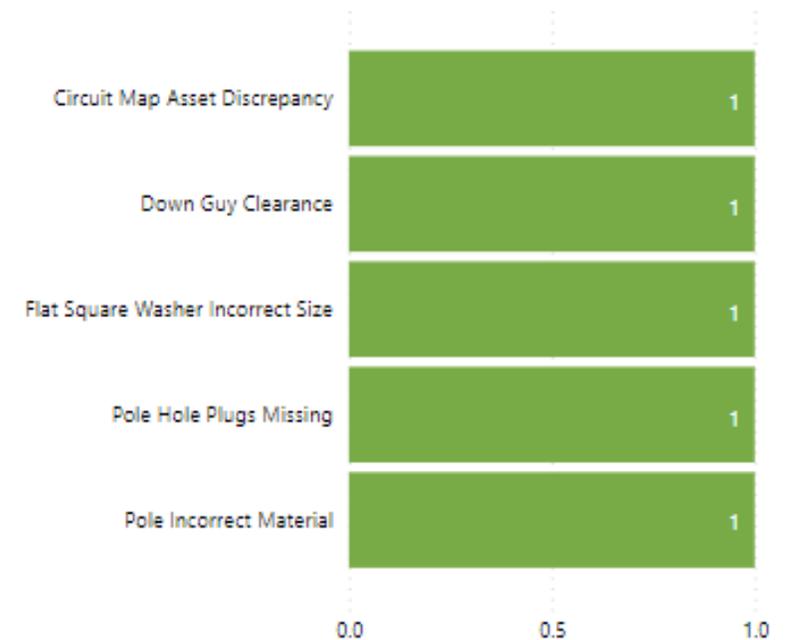
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction	48	6	88%	95.0%	0	0	6	6	2	2	5	5
Total	48	6	88%	95.0%	0	0	6	6	2	2	5	5

Updated Quality Dashboard

Updated Filtering Capabilities (Contractor, Trans. Grid, Distribution Region/District, etc.)

Program Details Page

Restricted area allows sorting by crew type (SCE vs Contractor)

Quality Control Programs (Restricted Access) | Data updated 4/14/21

Click to filter by Reporting: **All** **Transmission Grid** **Distribution Region**

Contractor Name: All | Program: Transmission Construction | Grid: All | Date: Multiple selections

277 Total Inspections | **270** Pass Total | **7** Potential Non-Conformances | **97%** P1 & P2 Total CR%

Non-Conformances by Priority

Priority	Count
Priority 2	7
Priority 3	19

Top 10 P1 & P2 Finding Categories

Finding Category	Count
Connectors Not Taped	2
Anchor Overloaded	1
Down Guy Clearance	1
Primary Insulator Incorrect Type	1
Secondary Conductor Damaged	1
Secondary Riser Damaged	1

Top 10 P3 Finding Categories

Finding Category	Count
Circuit Map Asset Discrepancy	8
Flat Square Washer Incorrect Size	4
Pole Tag Missing	2
Crossarm incorrect material	1
Down Guy Excessive Slack/Sag	1
Guy Guard Missing	1
Pole Cavity	1
Span Guy Excessive Slack/Sag	1