

T&D Quality Programs

Distribution Performance Meeting
September 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 August

MTD	646 Total Inspections	461 Pass Total	185 Potential Non-Conformances	71% P1 & P2 Total CR%
YTD	5,962 Total Inspections	4,683 Pass Total	1,279 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	78%	90%	-12%	Off Target	
SCE	0%	90%	0%	On Target	90%	90%	0%	On Target	91%	90%	1%	Exceeding	

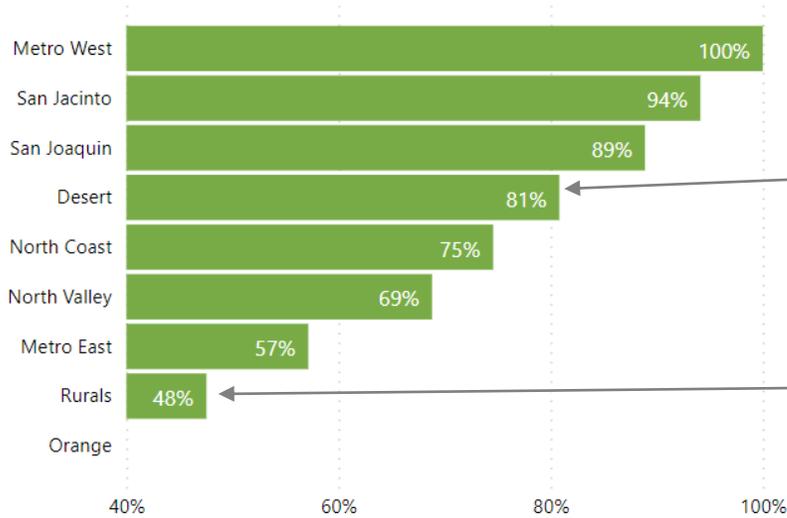
Did not perform QC on SCE in August, focused on AV Effort & Contractor oversight w/ Full Work Order Maps.

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

Distribution Construction – 2021 Results through August

MTD

Conformance Rate by Region | District



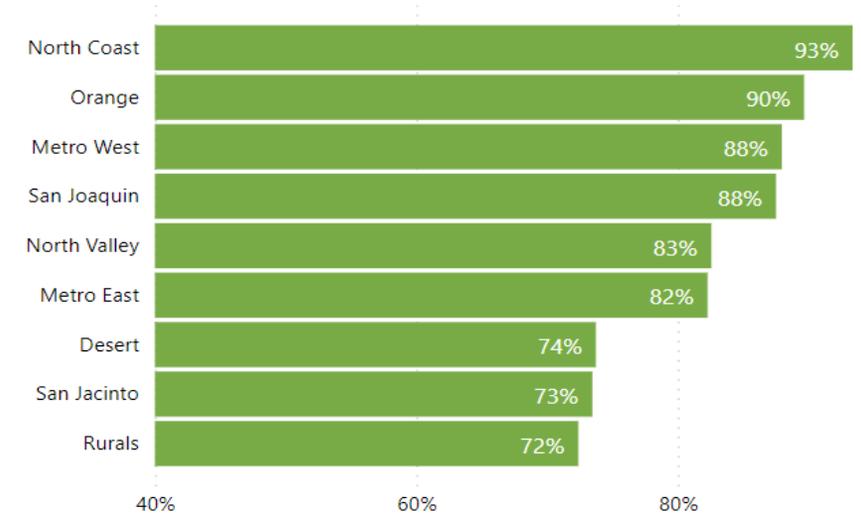
San Jacinto continues to perform at an increasingly better rate, exceeding the 90% threshold

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

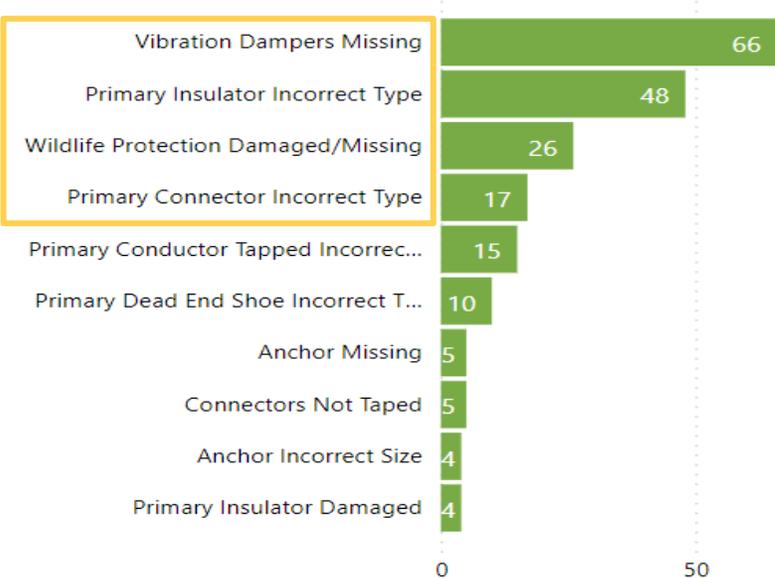
Rurals performed 28% of the work and contributing to the lower conformance rate. Vibration Dampeners & Incorrect Primary Insulators accounted for 74% of the findings.

YTD

Conformance Rate by Region | District



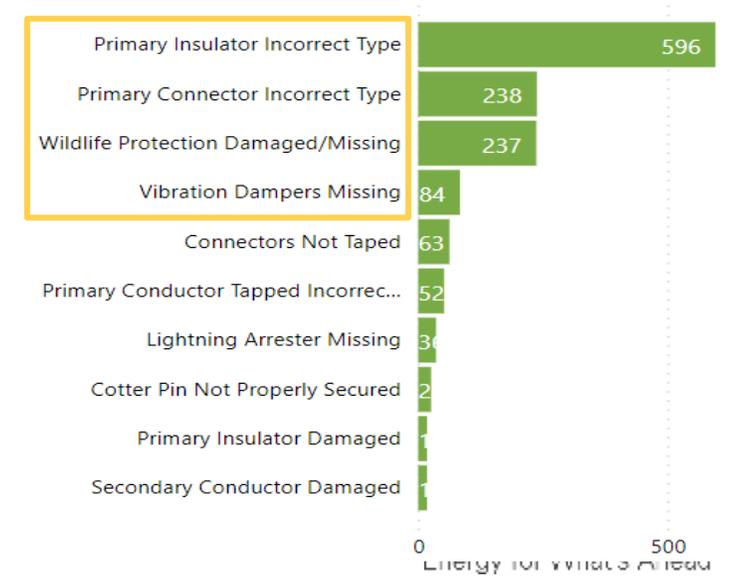
Top 10 P1 & P2 Finding Categories



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 August

MTD

430

Total Inspections

390

Pass Total

40

Potential Non-Conformances

91%

P1 & P2 Total CR%

YTD

5,236

Total Inspections

4,975

Pass Total

261

Potential Non-Conformances

95%

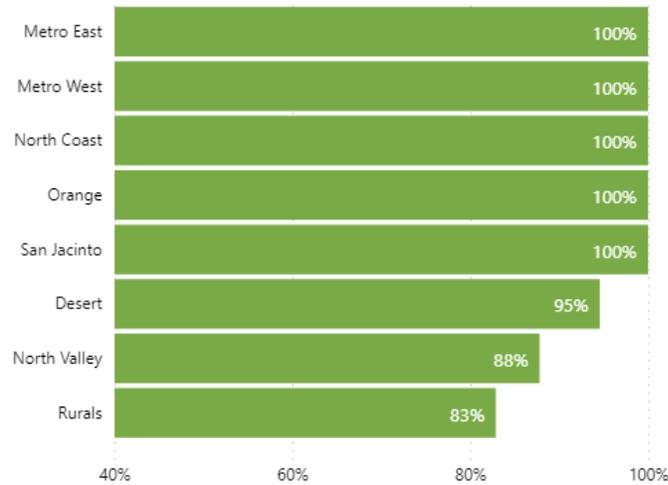
P1 & P2 Total CR%

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	91%	97%	-6%	Off Target	95%	97%	-2%	Off Target	94%	97%	-3%	Off Target
SCE	88%	97%	-9%	Off Target	94%	97%	-3%	Off Target	96%	97%	-1%	Off Target

Overhead Detail Inspection - YTD 2021 Results Through August

Conformance Rate by Region | District

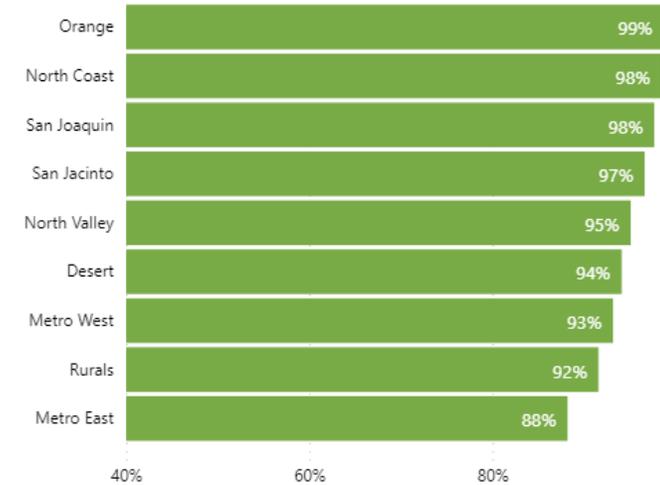


San Jacinto had 47 inspections, or 10% of the month's total with a 100% CR

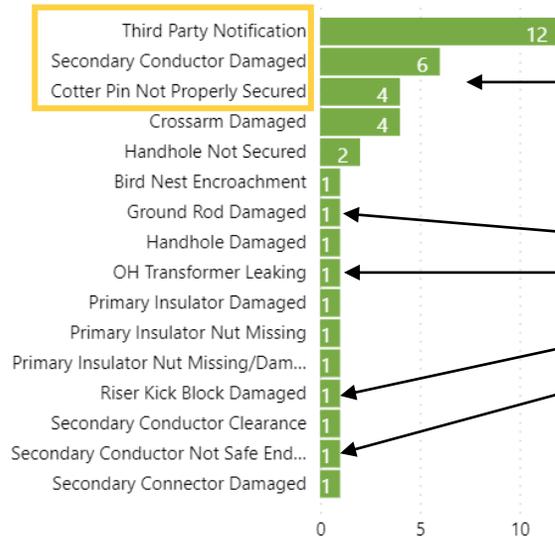
Desert had 184 inspections, 43%, with a score just under threshold, at 95%

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

Conformance Rate by Region | District



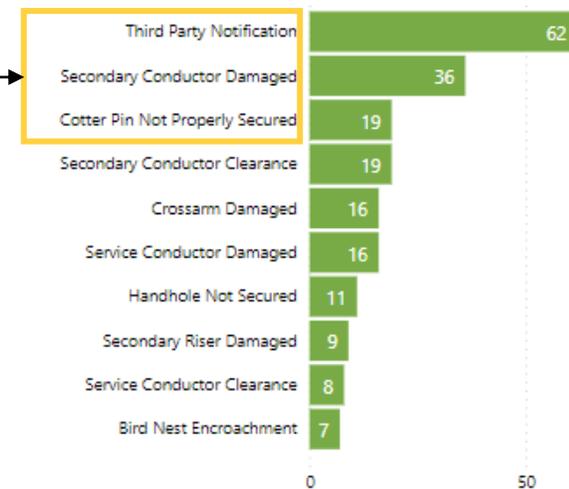
Top 10 P1 & P2 Finding Categories



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 August

75

Total Inspections

69

Pass Total

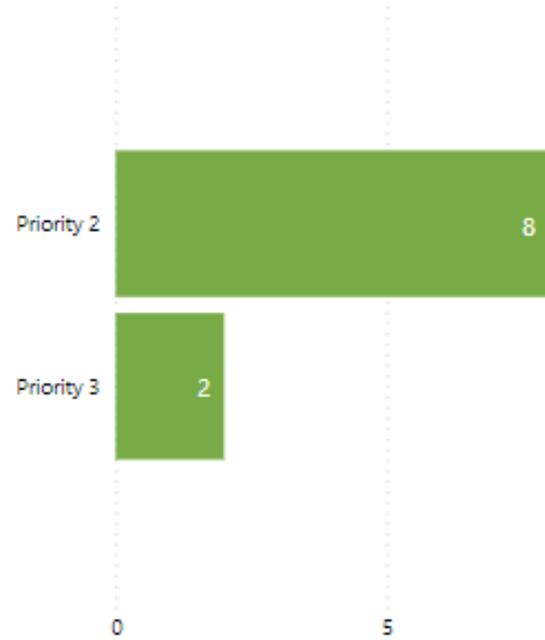
6

Potential Non-Conformances

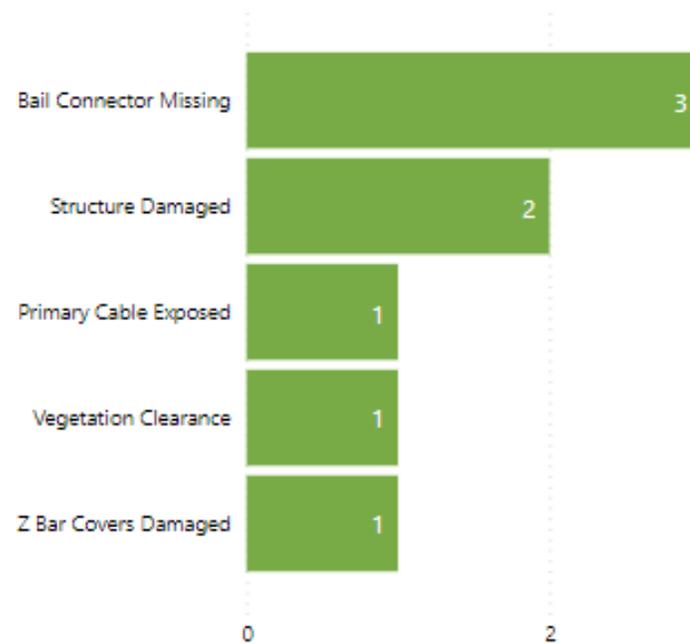
92%

P1 & P2 Total CR%

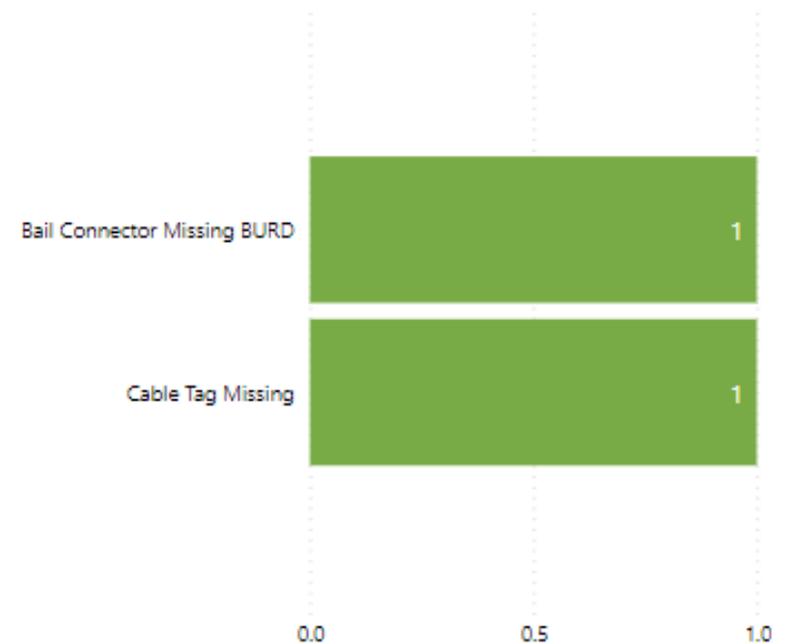
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program	Total QC Inspections	FLOCS			P1 & P2 Findings						P3 Findings	
		P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
UDI	75	6	92%	90.0%	0	0	8	8	8	0	2	2
Total	75	6	92%	90.0%	0	0	8	8	8	0	2	2

Distribution Construction – YTD 2021 Results Through August

5,962

Total Inspections

4,683

Pass Total

1,279

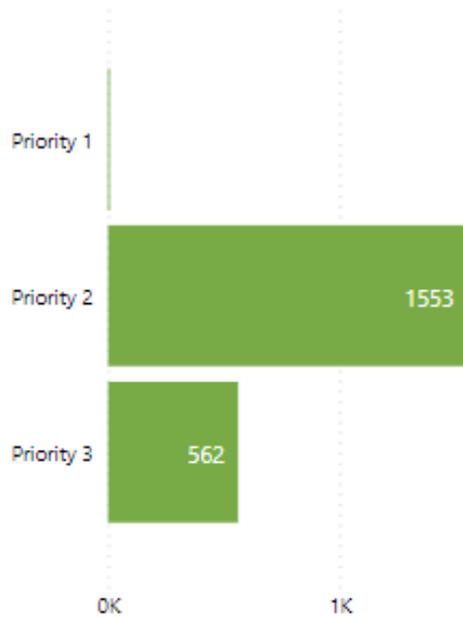
Potential Non-Conformances

79%

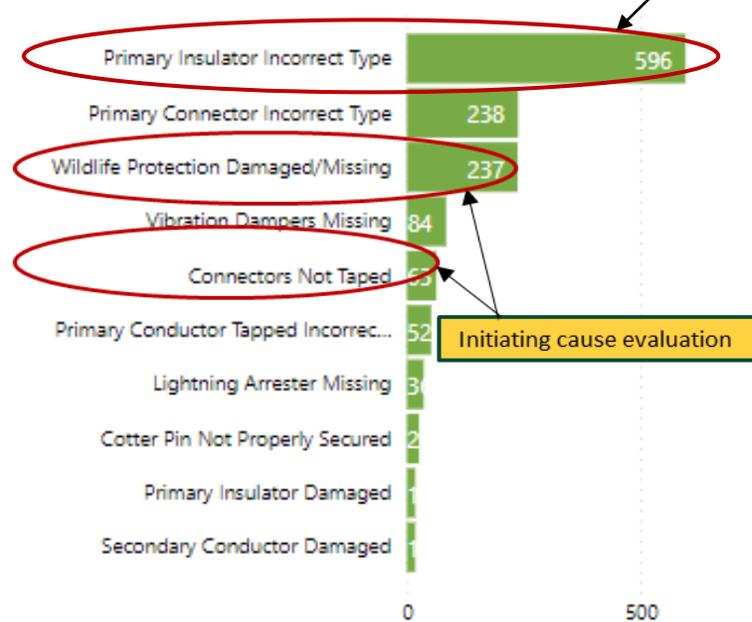
P1 & P2 Total CR%

Cause evaluation identified material availability issue. Added new controls and exemptions for material availability issues.

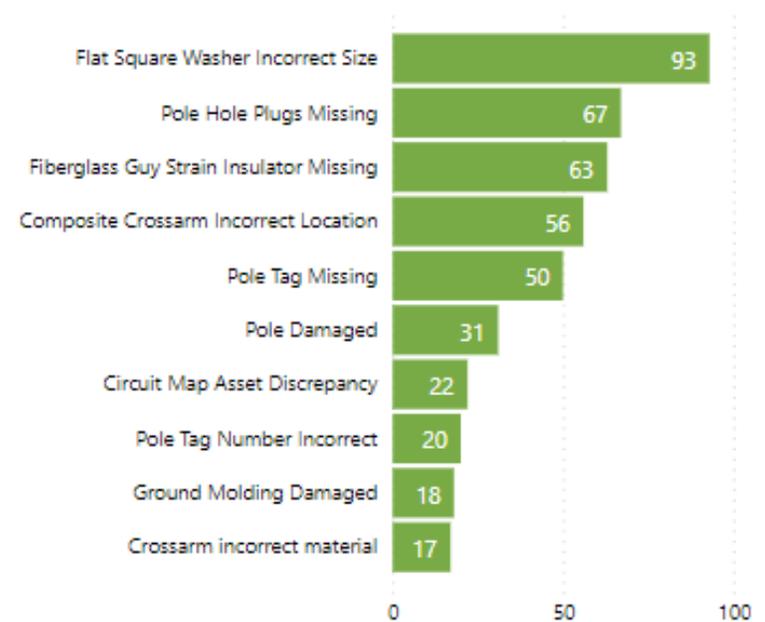
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



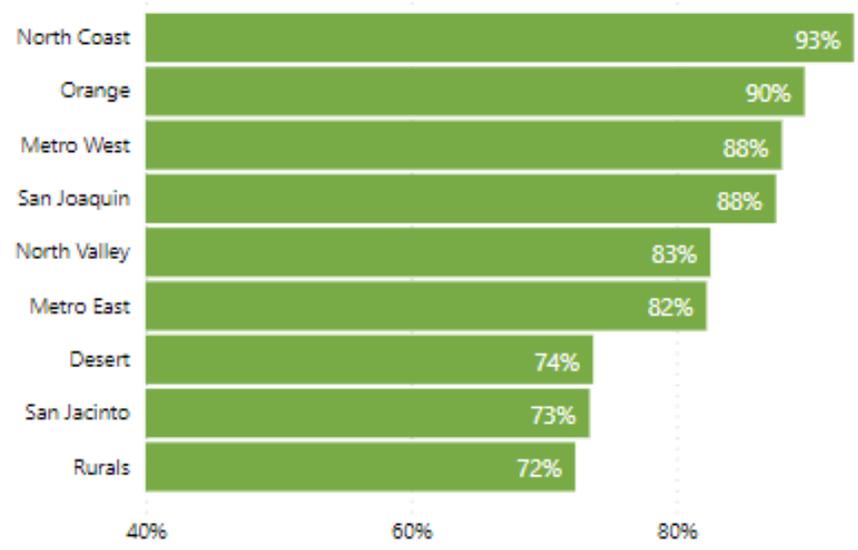
Initiating cause evaluation

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	5,962	1,279	79%	97.0%	5	0	1,553	1,558	961	396	487	562
Total	5,962	1,279	79%	97.0%	5	0	1,553	1,558	961	396	487	562

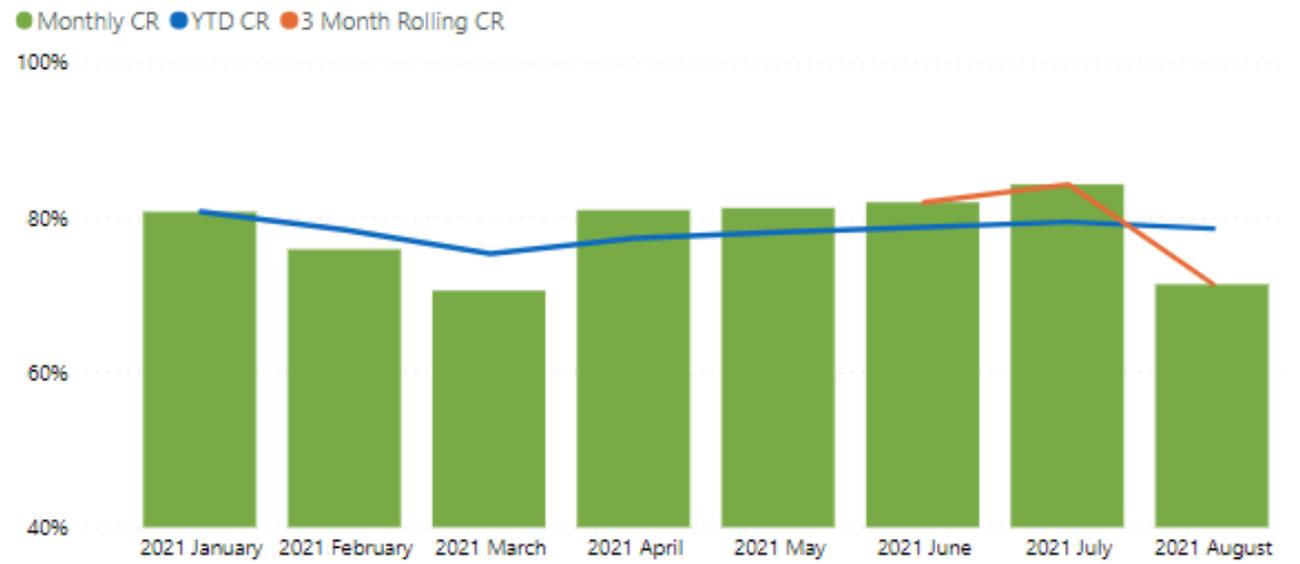
Distribution Construction – YTD 2021 Results Through August

Total	5,962 Total Inspections	4,683 Pass Total	1,279 Potential Non-Conformances	79% P1 & P2 Total CR% <i>+4% from YTD March</i>
SCE	896 Total Inspections	803 Pass Total	93 Potential Non-Conformances	90% P1 & P2 Total CR% <i>-1% from YTD March</i>
Contractor	5,066 Total Inspections	3,880 Pass Total	1,186 Potential Non-Conformances	77% P1 & P2 Total CR% <i>+5% from YTD March</i>

Conformance Rate by Region | District

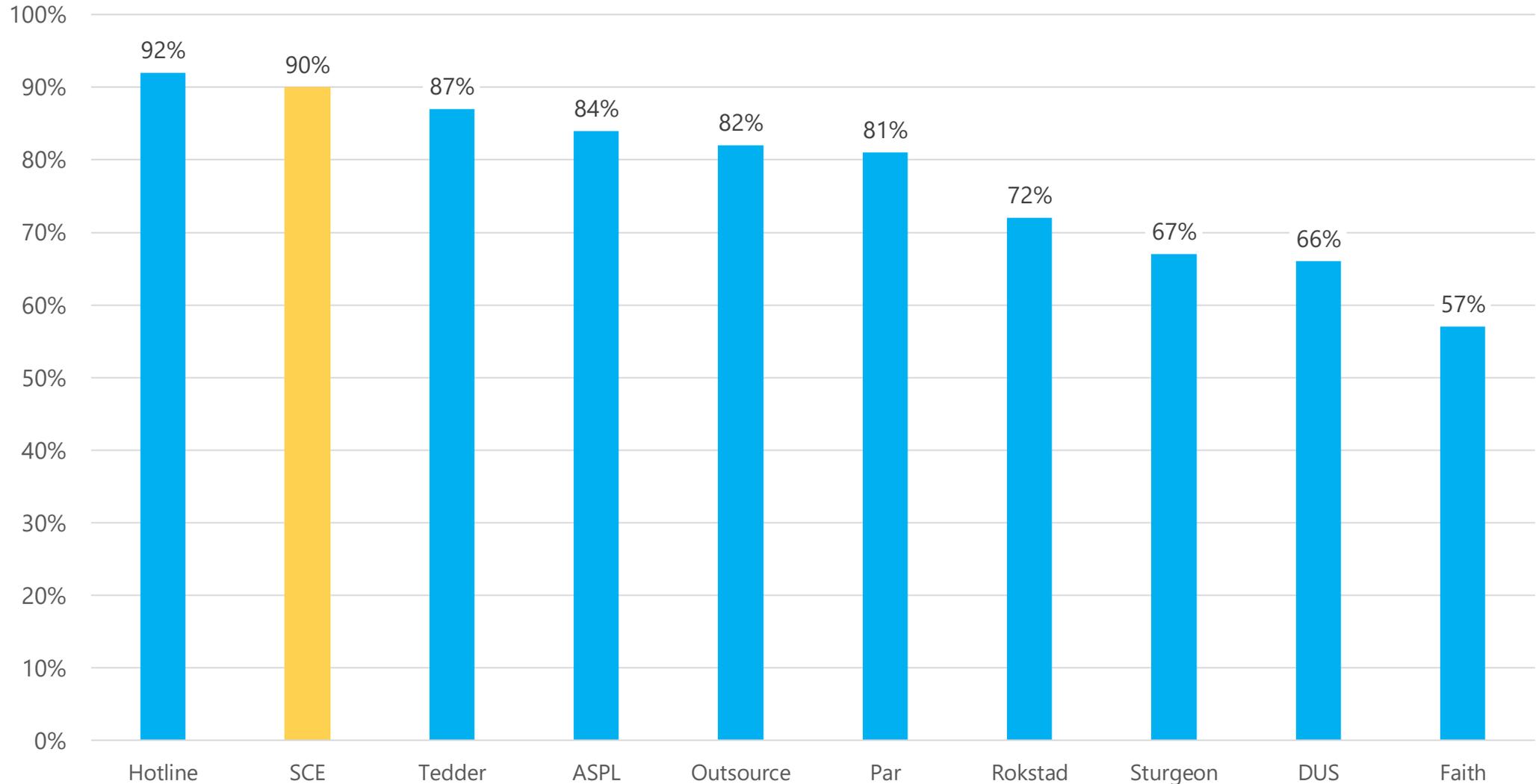


Conformance Rate Trending



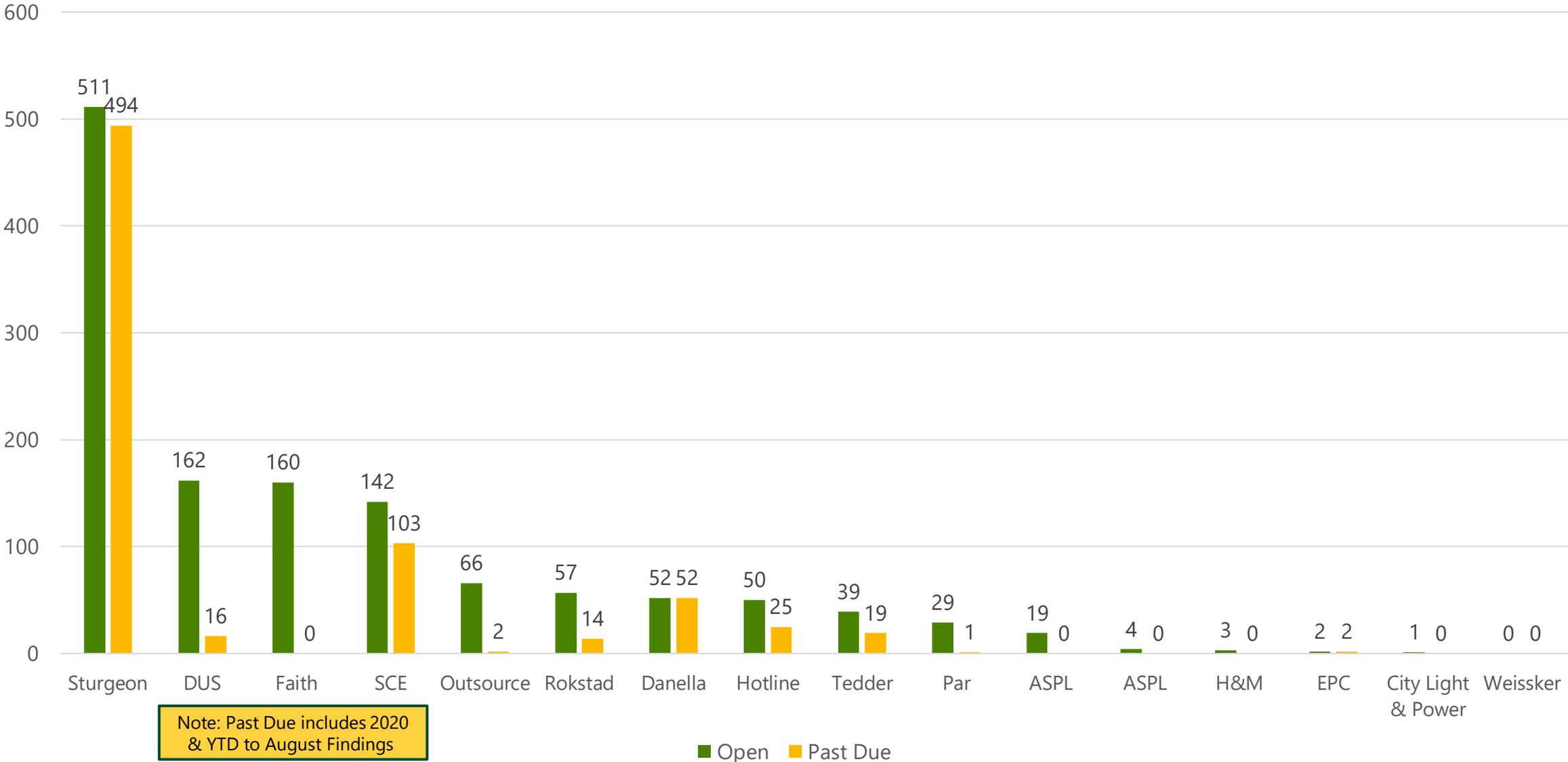
QC Results By Contractor

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



QC Results By Contractor

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



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

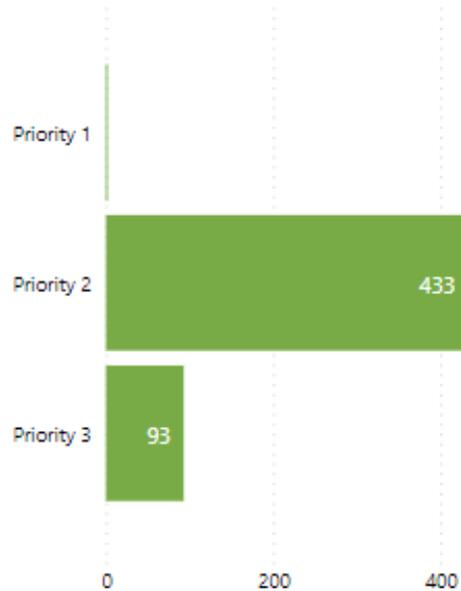
1,032
Total Inspections

691
Pass Total

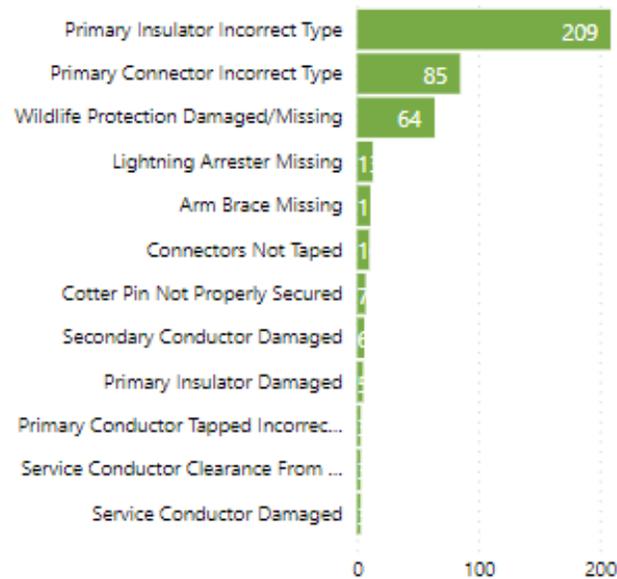
341
Potential Non-Conformances

67%
P1 & P2 Total CR%

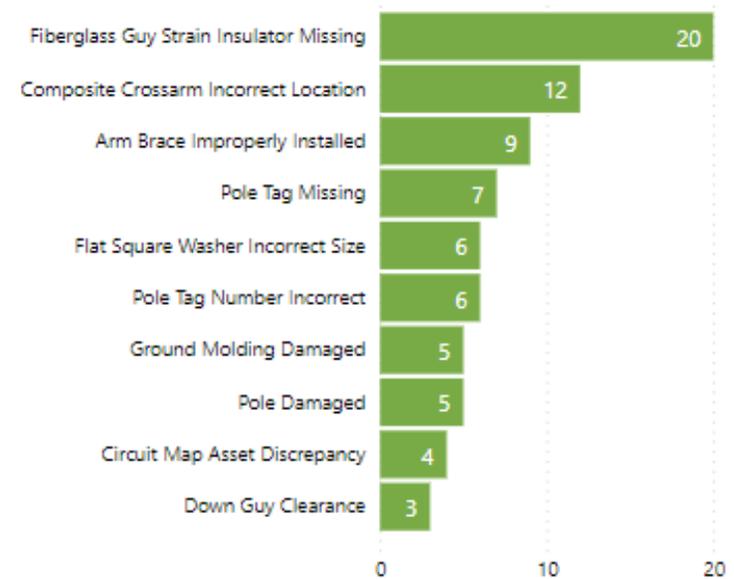
Findings by Priority



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	1,032	341	67%	97.0%	1	0	433	434	324	307	81	93
Total	1,032	341	67%	97.0%	1	0	433	434	324	307	81	93

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

864

Total Inspections

637

Pass Total

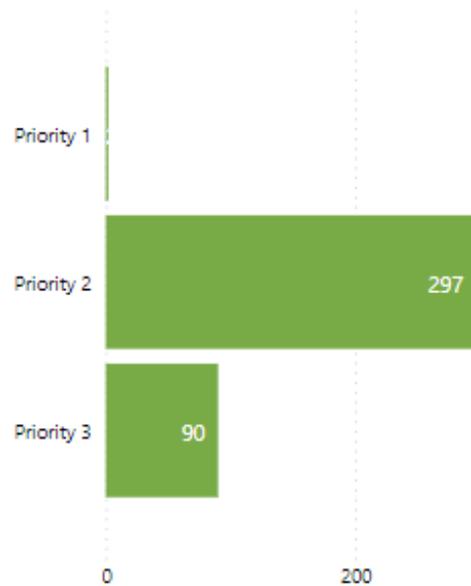
227

Potential Non-Conformances

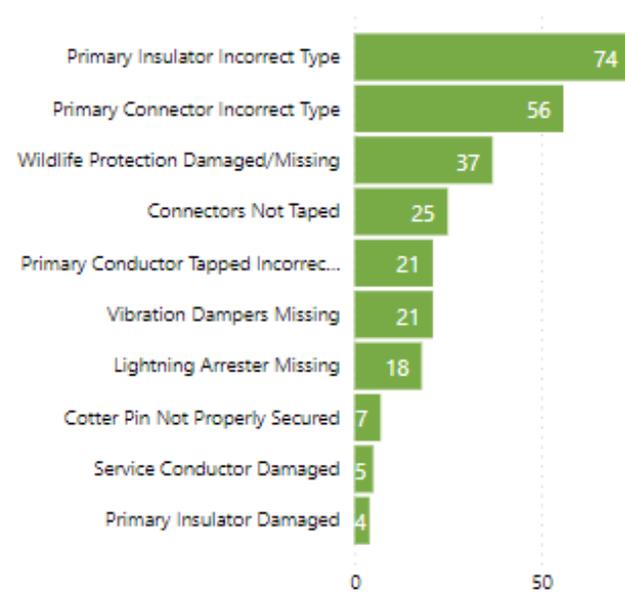
74%

P1 & P2 Total CR%

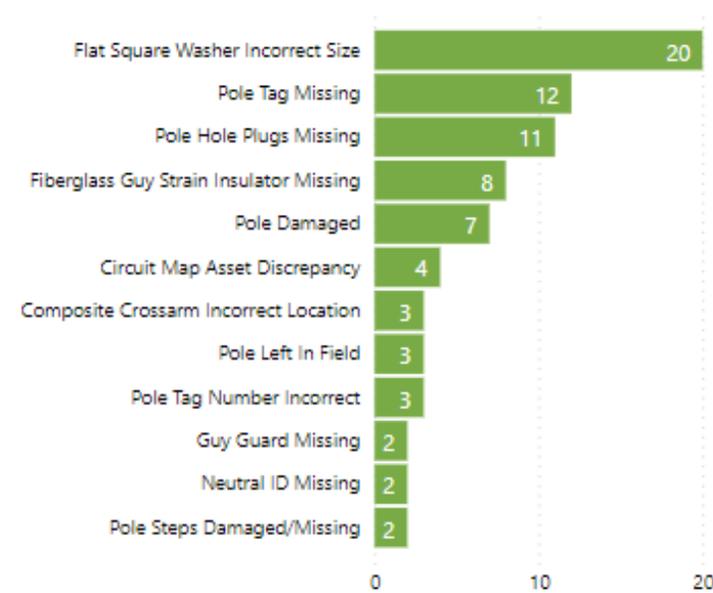
Findings by Priority



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	864	227	74%	97.0%	2	0	297	299	198	21	85	90
Total	864	227	74%	97.0%	2	0	297	299	198	21	85	90

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

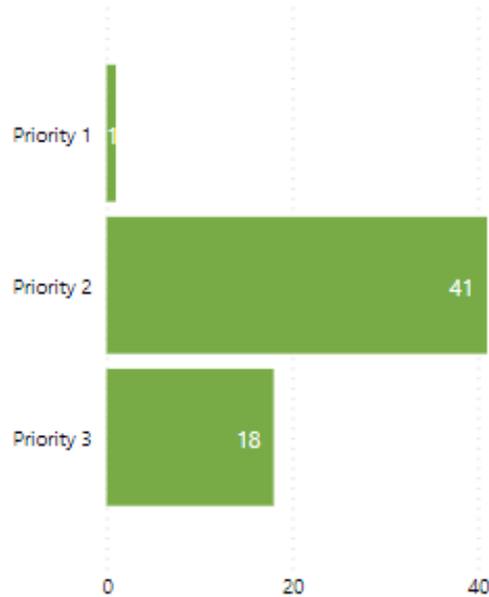
220
Total Inspections

181
Pass Total

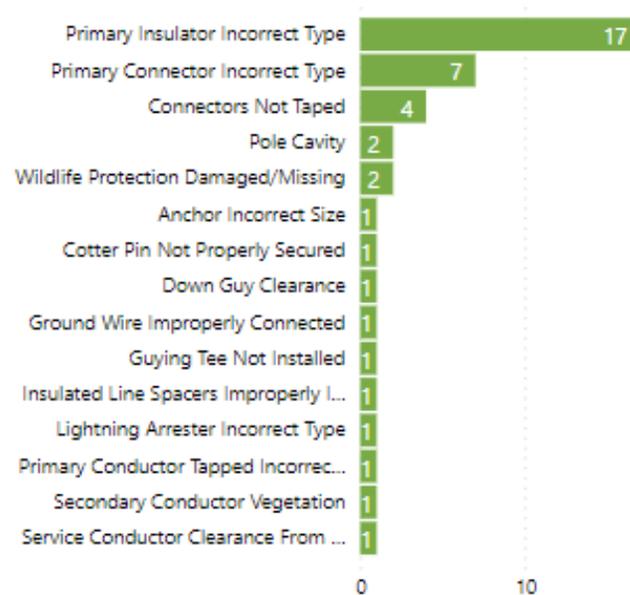
39
Potential Non-Conformances

82%
P1 & P2 Total CR%

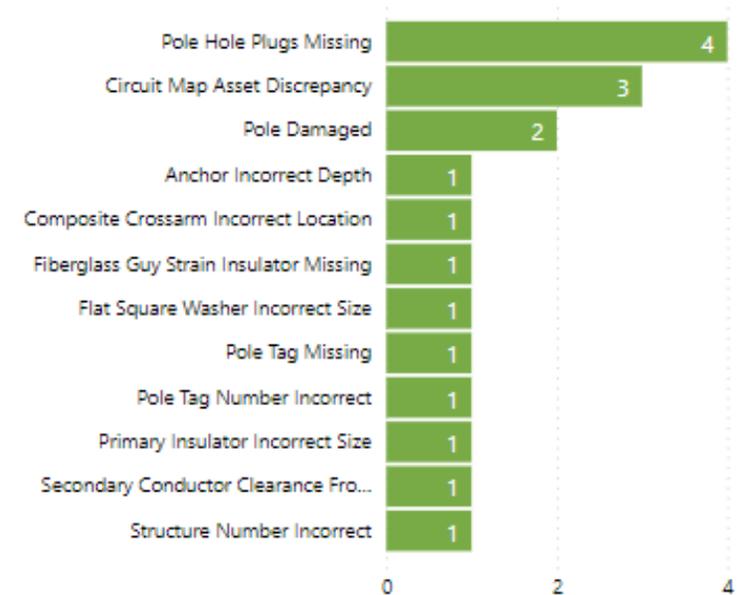
Findings by Priority



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	220	39	82%	97.0%	1	0	41	42	16	5	17	18
Total	220	39	82%	97.0%	1	0	41	42	16	5	17	18

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

83

Total Inspections

73

Pass Total

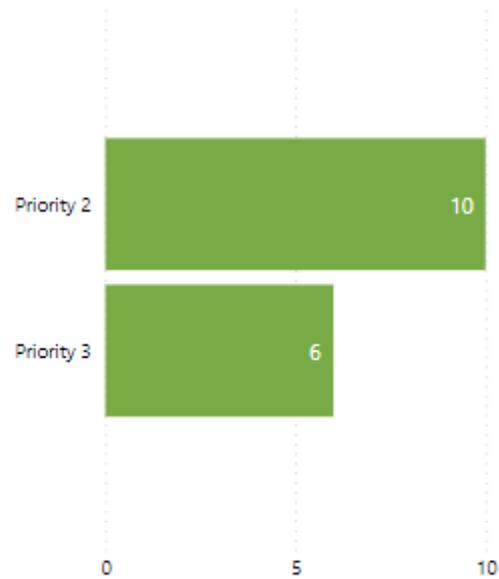
10

Potential Non-Conformances

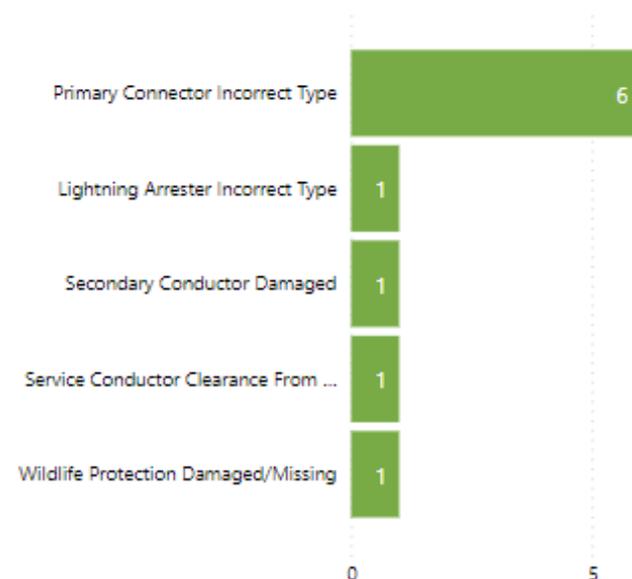
88%

P1 & P2 Total CR%

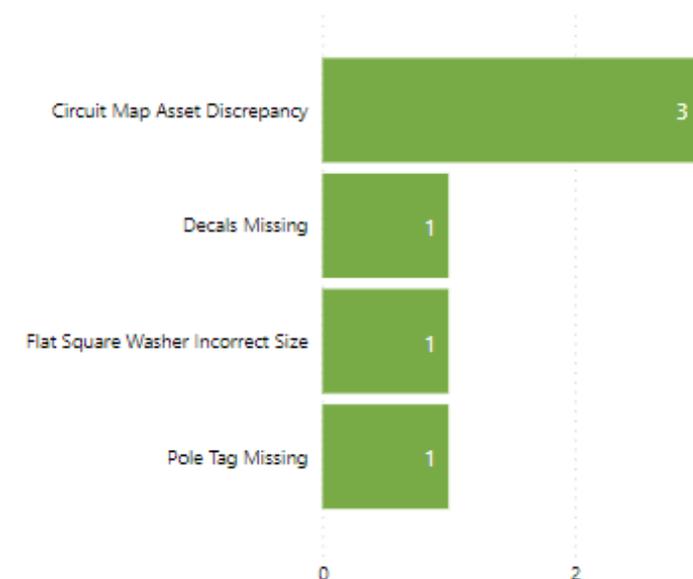
Findings by Priority



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	83	10	88%	95.0%	0	0	10	10	4	2	6	6
Total	83	10	88%	95.0%	0	0	10	10	4	2	6	6

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

527

Total Inspections

492

Pass Total

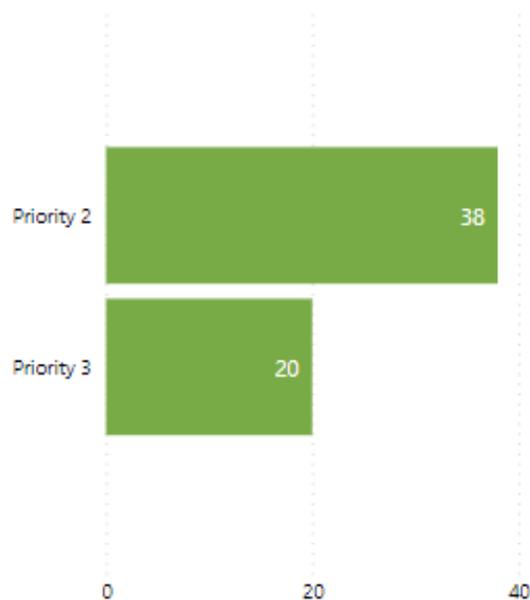
35

Potential Non-Conformances

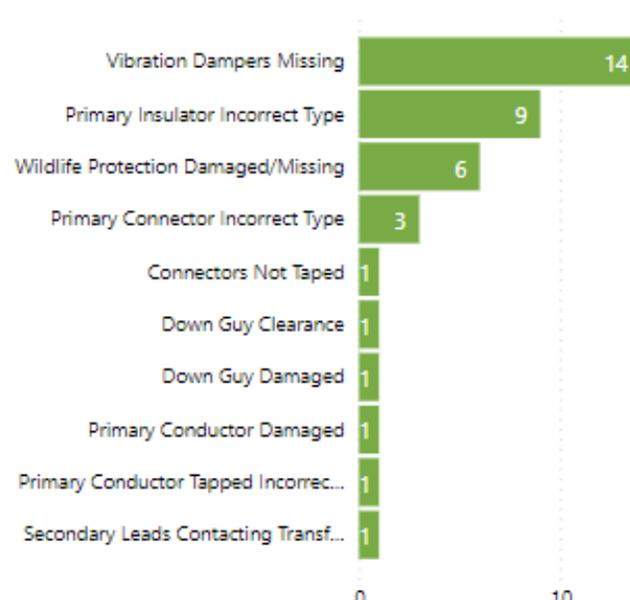
93%

P1 & P2 Total CR%

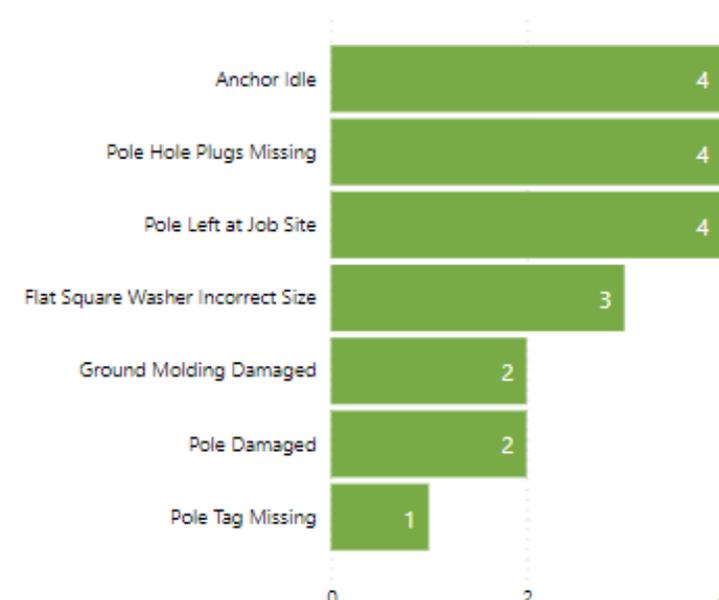
Findings by Priority



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	527	35	93%	97.0%	0	0	38	38	21	0	20	20
Total	527	35	93%	97.0%	0	0	38	38	21	0	20	20

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

1,623

Total Inspections

1,340

Pass Total

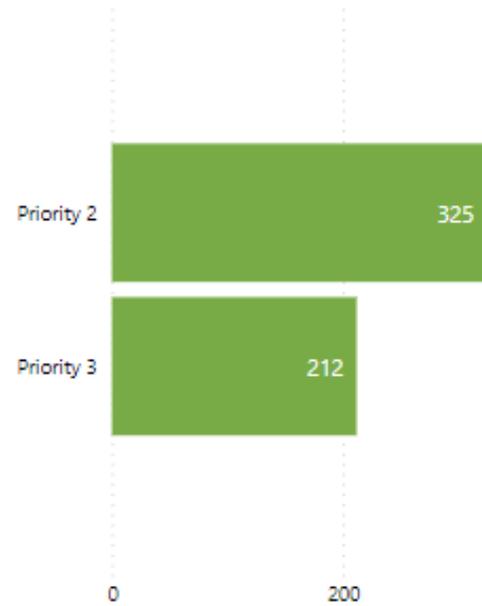
283

Potential Non-Conformances

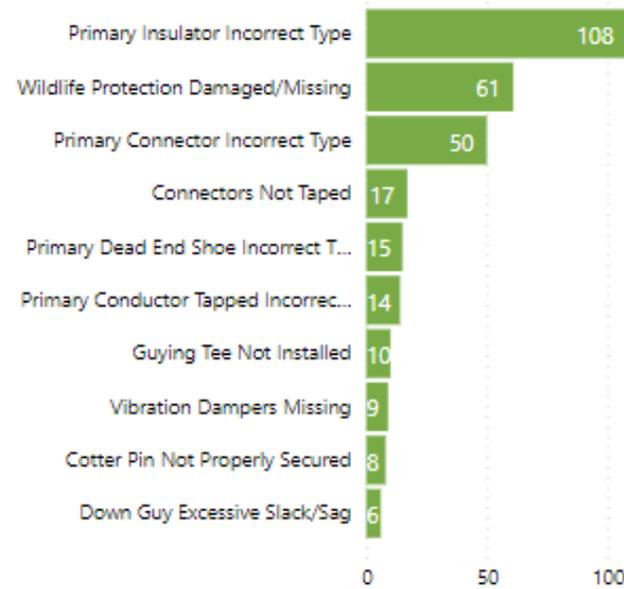
83%

P1 & P2 Total CR%

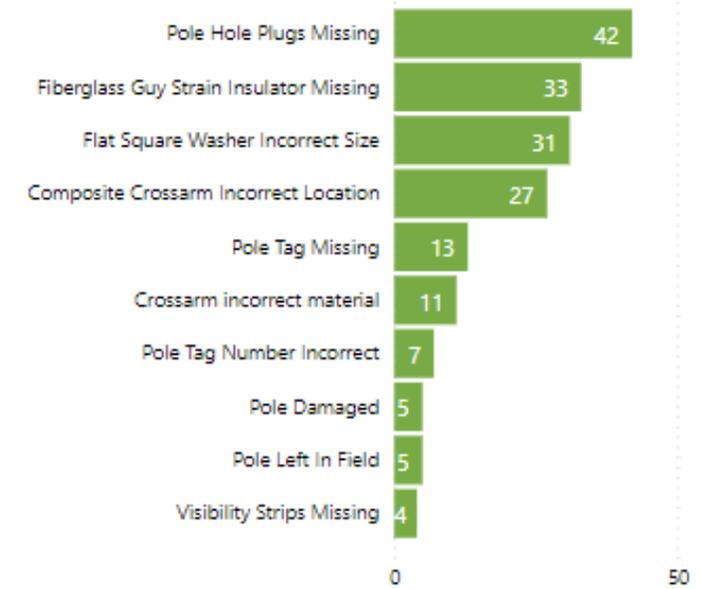
Findings by Priority



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	1,623	283	83%	97.0%	0	0	325	325	168	36	175	212
Total	1,623	283	83%	97.0%	0	0	325	325	168	36	175	212

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

116

Total Inspections

104

Pass Total

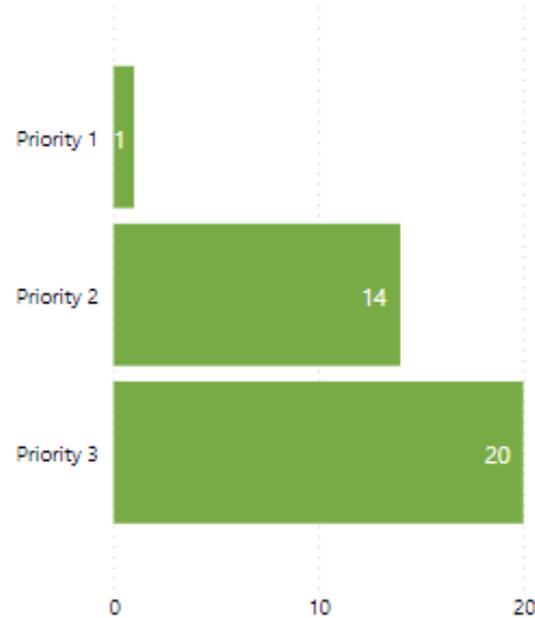
12

Potential Non-Conformances

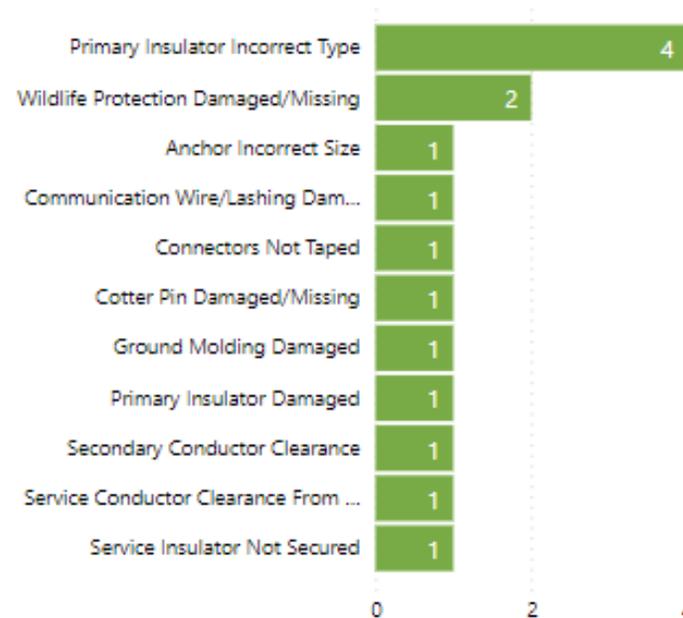
90%

P1 & P2 Total CR%

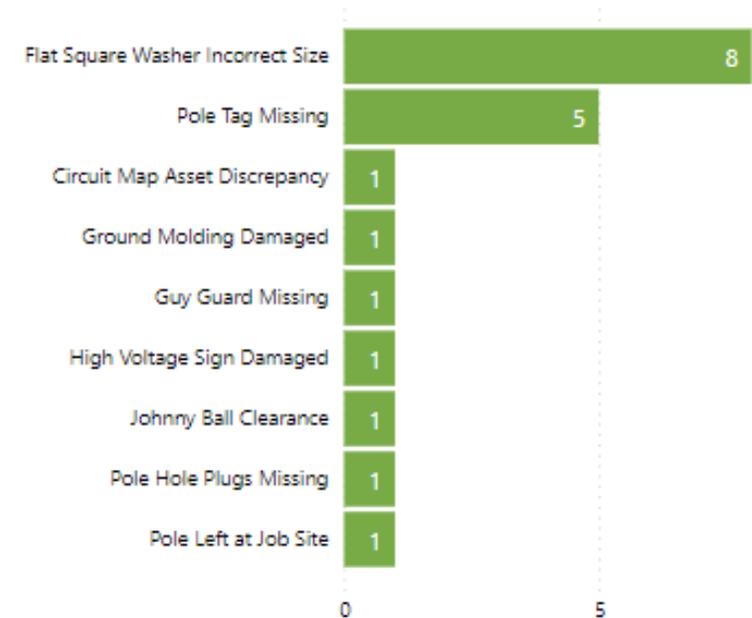
Findings by Priority



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	116	12	90%	96.0%	1	0	14	15	5	2	15	20
Total	116	12	90%	96.0%	1	0	14	15	5	2	15	20

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

793

Total Inspections

574

Pass Total

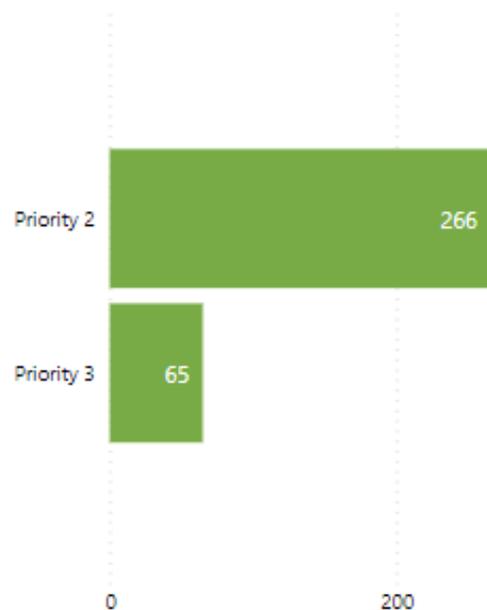
219

Potential Non-Conformances

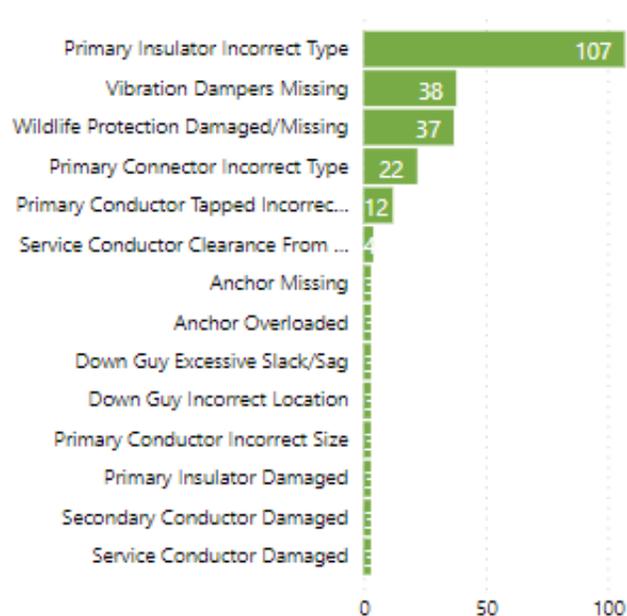
72%

P1 & P2 Total CR%

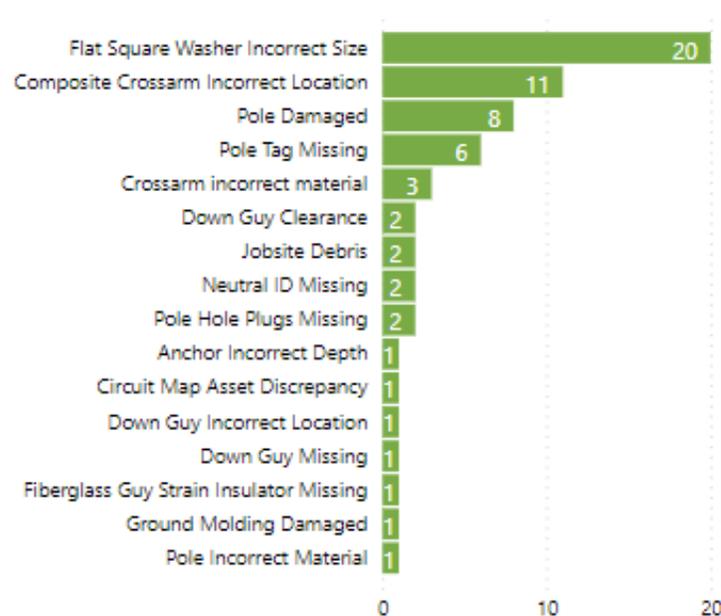
Findings by Priority



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	793	219	72%	97.0%	0	0	266	266	195	3	52	65
Total	793	219	72%	97.0%	0	0	266	266	195	3	52	65

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

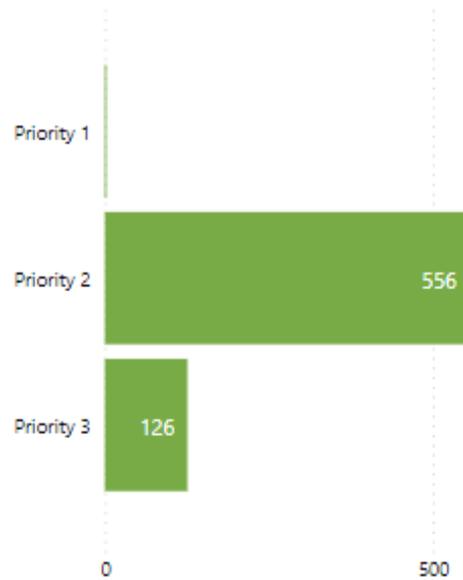
1,688
Total Inspections

1,240
Pass Total

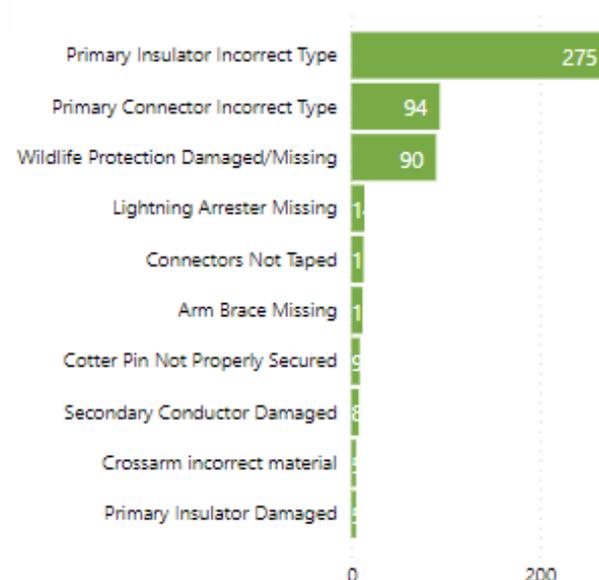
448
Potential Non-Conformances

73%
P1 & P2 Total CR%

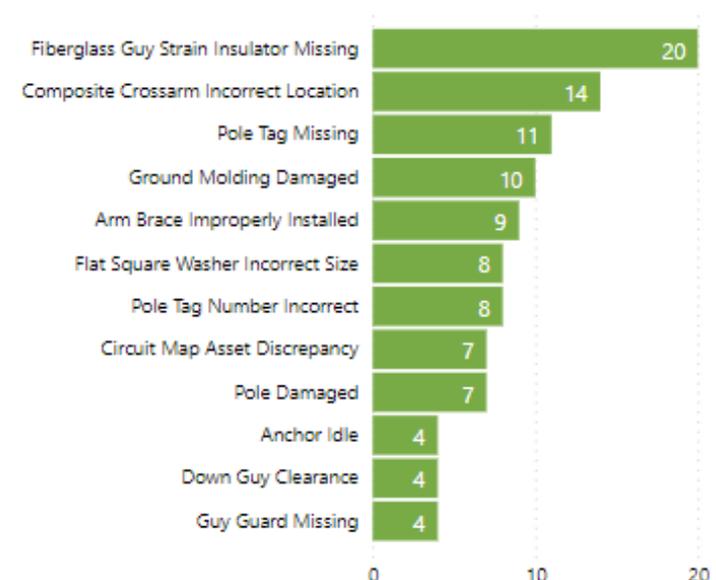
Findings by Priority



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	1,688	448	73%	97.0%	1	0	556	557	350	324	112	126
Total	1,688	448	73%	97.0%	1	0	556	557	350	324	112	126

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

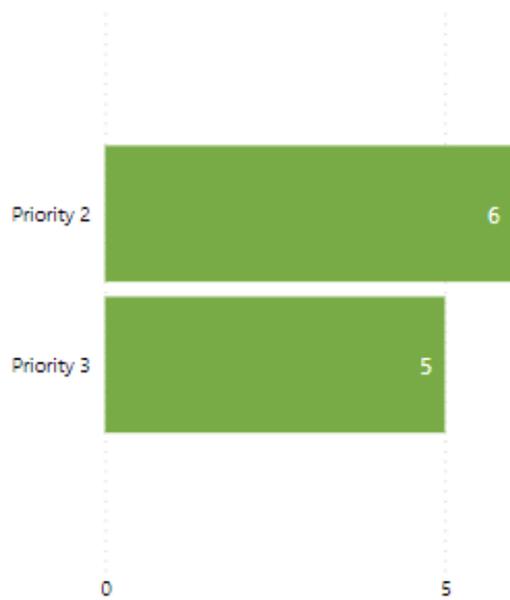
48
Total Inspections

42
Pass Total

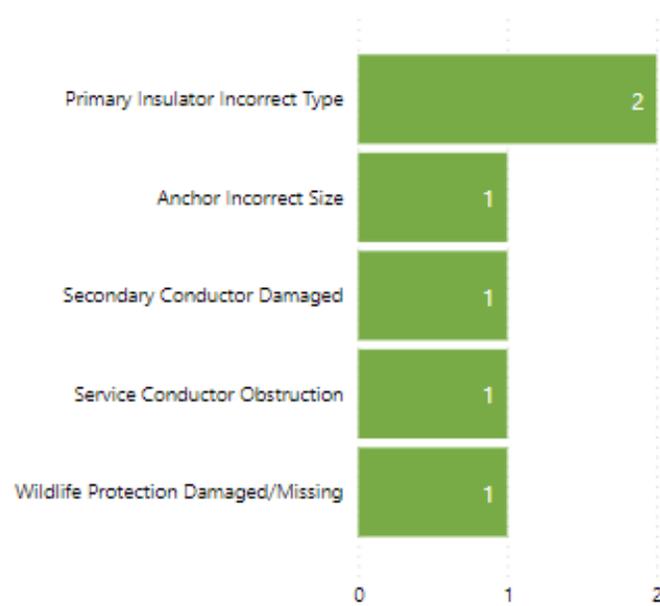
6
Potential Non-Conformances

88%
P1 & P2 Total CR%

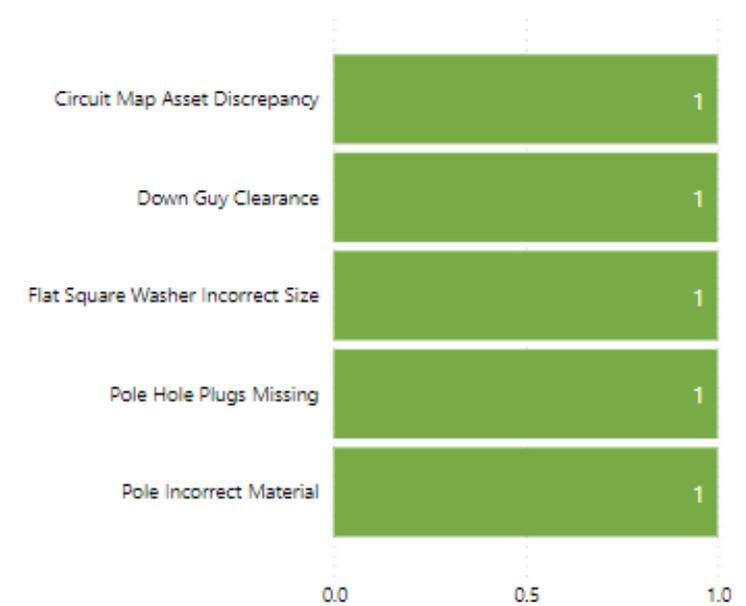
Findings by Priority



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	4	3	5	5
Total	48	6	88%	95.0%	0	0	6	6	4	3	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