

T&D Quality Programs

Distribution Performance Meeting
August 2021



Program Performance – BI Dashboard thru July 2021

Quality Control Programs	Month to Date (MTD)				Year to Date (YTD)			
	Program	Total Inspected (MTD)	P1 & P2 Pass (MTD)	P1 & P2 Conformance Rate (MTD)	3 Month Rolling Average	Total Inspected (YTD)	P1 & P2 Pass (YTD)	P1 & P2 Conformance Rate (YTD)
▲								
Distribution Construction	5,515	4,416	80%	↓		5,515	4,416	80%
Transmission Construction	681	650	95%	↓		681	650	95%
Aerial Distribution	0	0		→			0	
ODI	4,972	4,738	95%	↓		4,972	4,738	95%
Planning	1,599	1,206	75%	↓		1,599	1,206	75%
Intrusive	482	475	99%	↓		482	475	99%
Generation Inspections	0	0		→			0	
TIMP	697	687	99%	↑		697	687	99%
UDI	75	69	92%	↑		75	69	92%

14,021

2021 Completed QC Inspections

12,995

2021 Remaining QC Inspections

Program Information

- Aerial Distribution and Transmission QC programs have deferred to 2022 to support Anchor Verification efforts

Distribution Construction – YTD 2021 Results Through July

5,316

Total Inspections

4,217

Pass Total

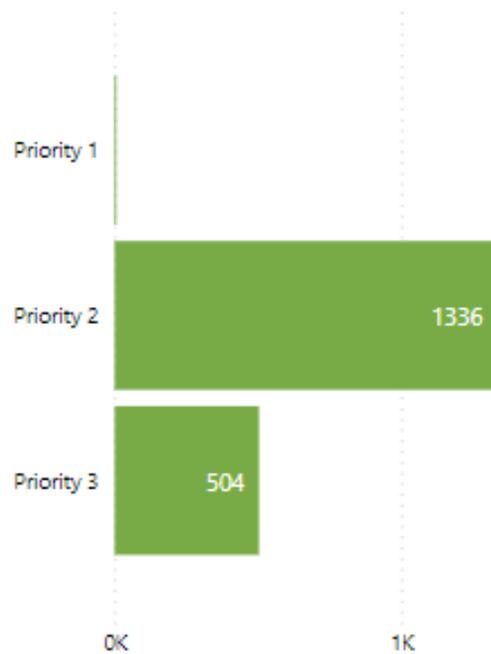
1,099

Potential Non-Conformances

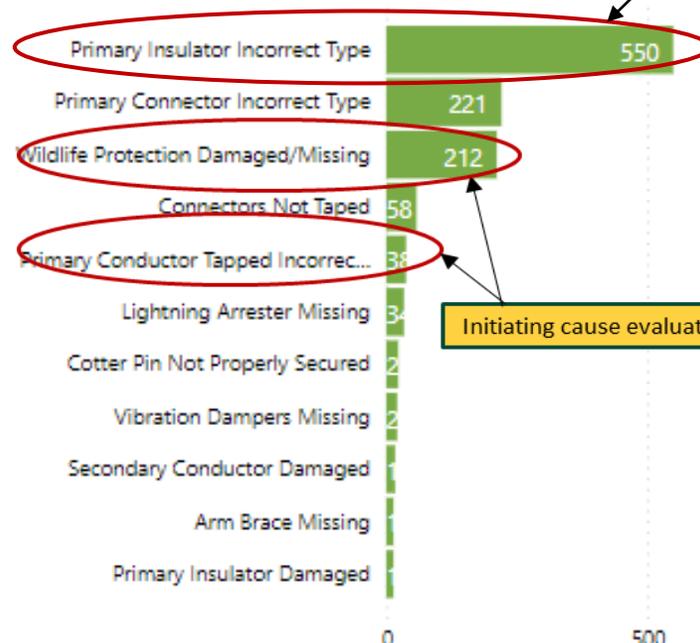
79%

P1 & P2 Total CR%

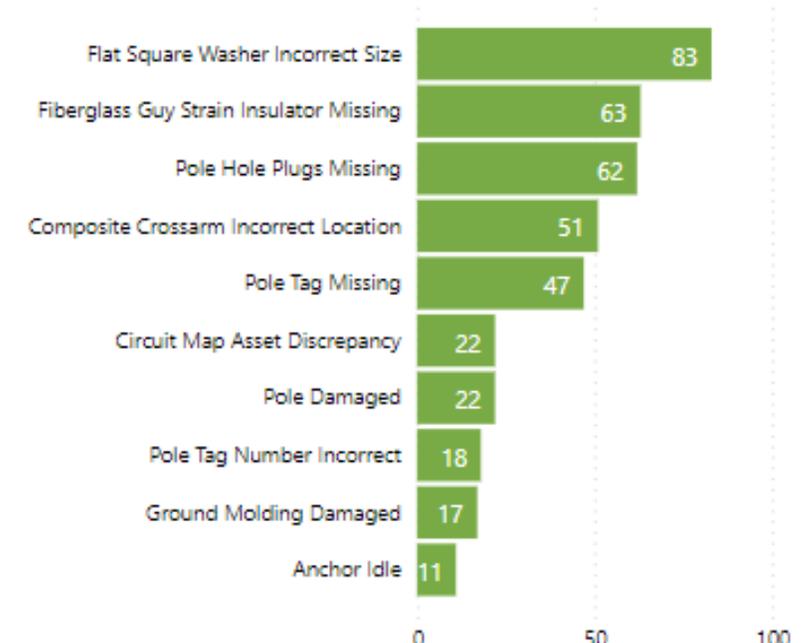
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



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

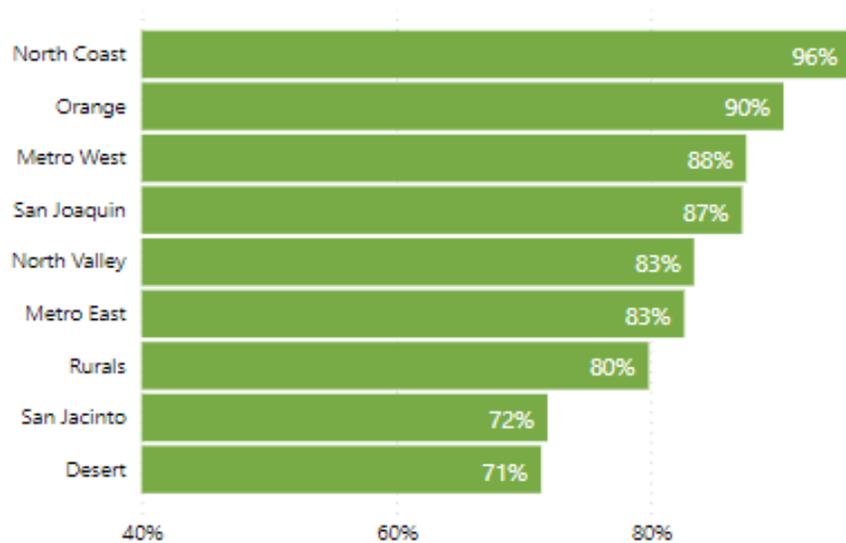
Initiating cause evaluation

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	5,316	1,099	79%	97.0%	5	0	1,336	1,341	846	348	436	504
Total	5,316	1,099	79%	97.0%	5	0	1,336	1,341	846	348	436	504

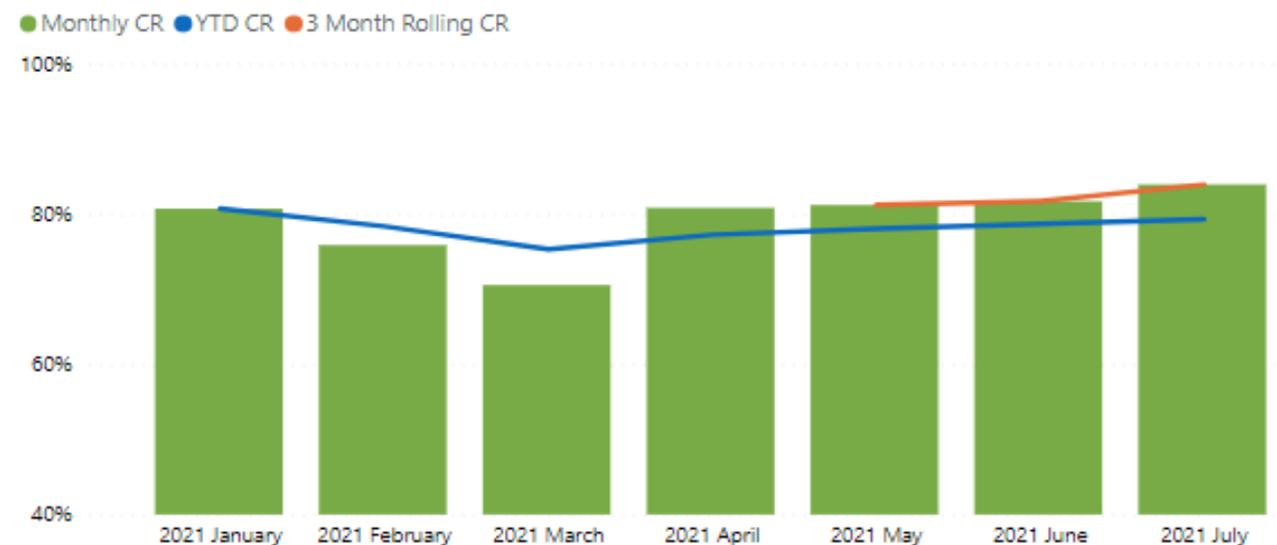
QC Results thru July 2021 (Dist. Construction)

Total	5,316 Total Inspections	4,217 Pass Total	1,099 Potential Non-Conformances	79% P1 & P2 Total CR% <i>+4% from YTD March</i>
SCE	895 Total Inspections	803 Pass Total	92 Potential Non-Conformances	90% P1 & P2 Total CR% <i>-1% from YTD March</i>
Contractor	4,421 Total Inspections	3,414 Pass Total	1,007 Potential Non-Conformances	77% P1 & P2 Total CR% <i>+5% from YTD March</i>

Conformance Rate by Region | District

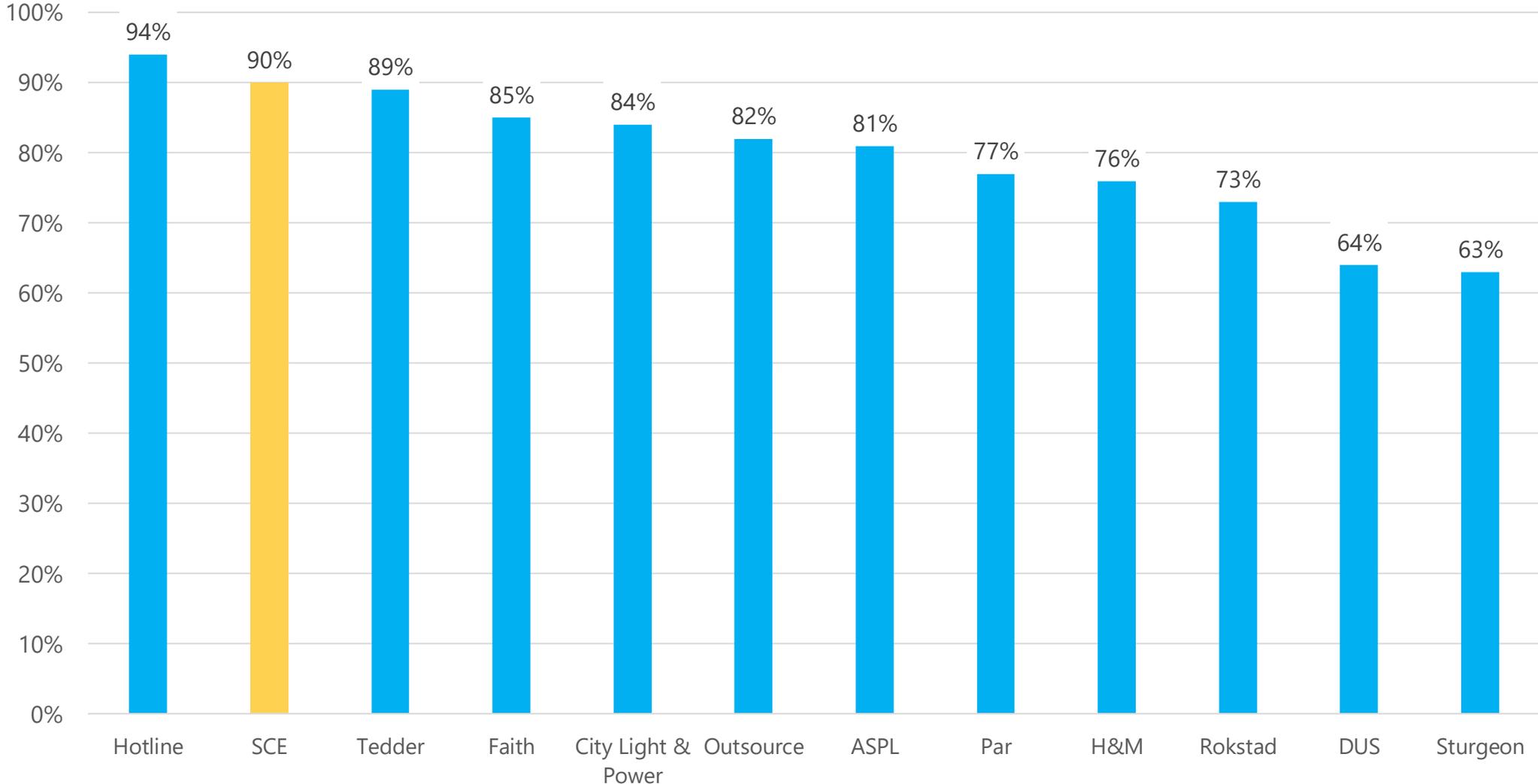


Conformance Rate Trending



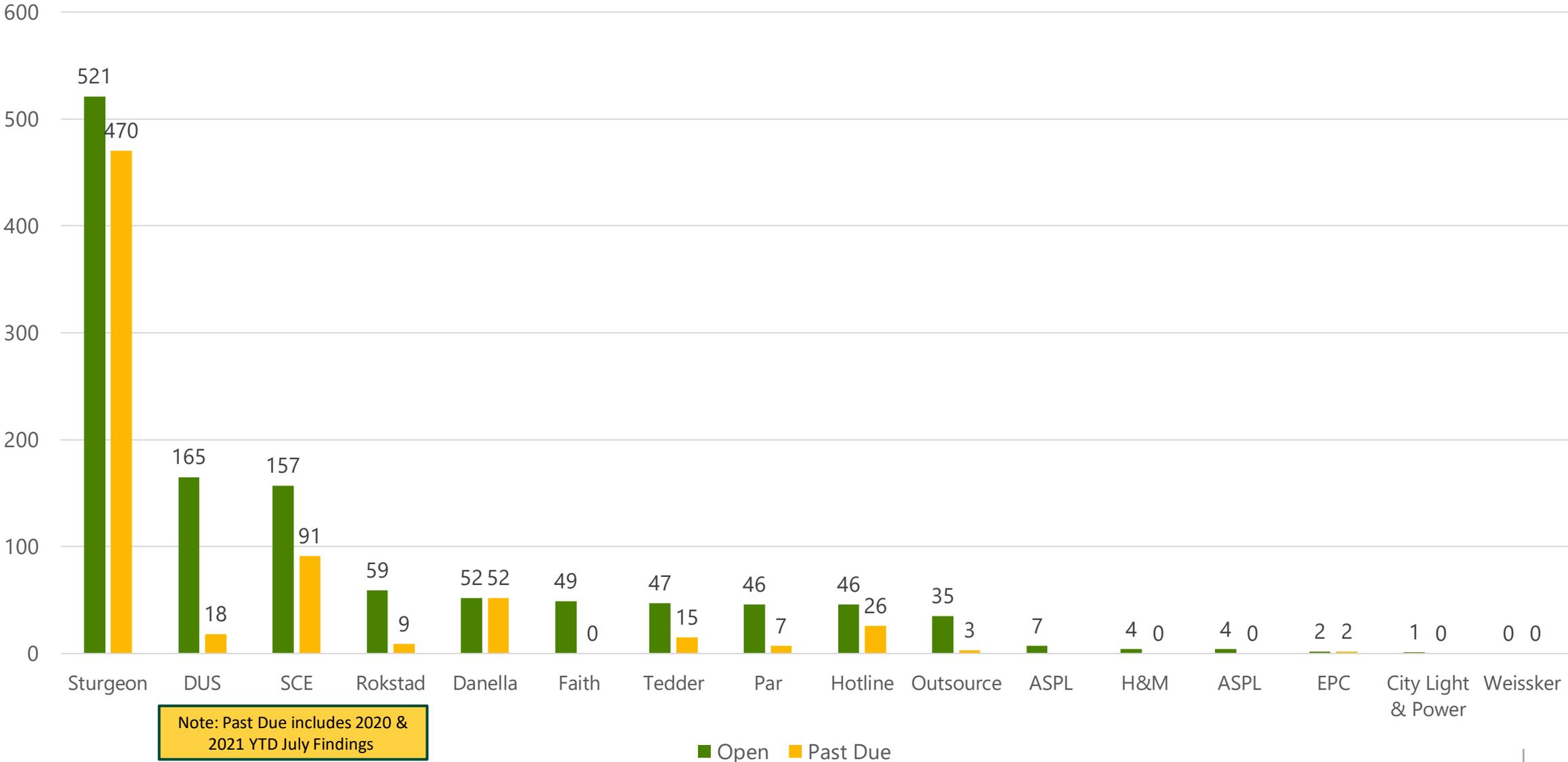
QC Results By Contractor

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



QC Results By Contractor

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



Overhead Detail Inspection - YTD 2021 Results Through July

4,806

Total Inspections

4,585

Pass Total

221

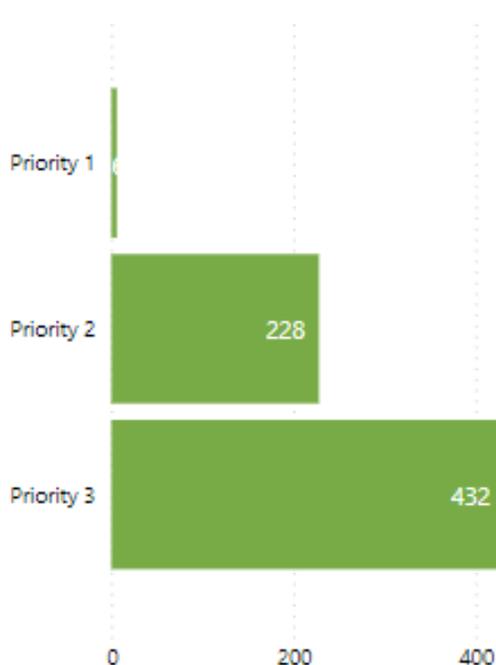
Potential Non-Conformances

95%

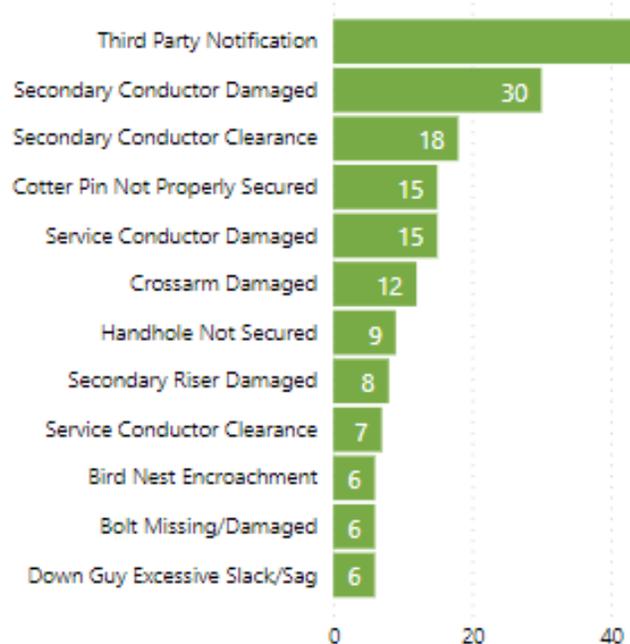
P1 & P2 Total CR%

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

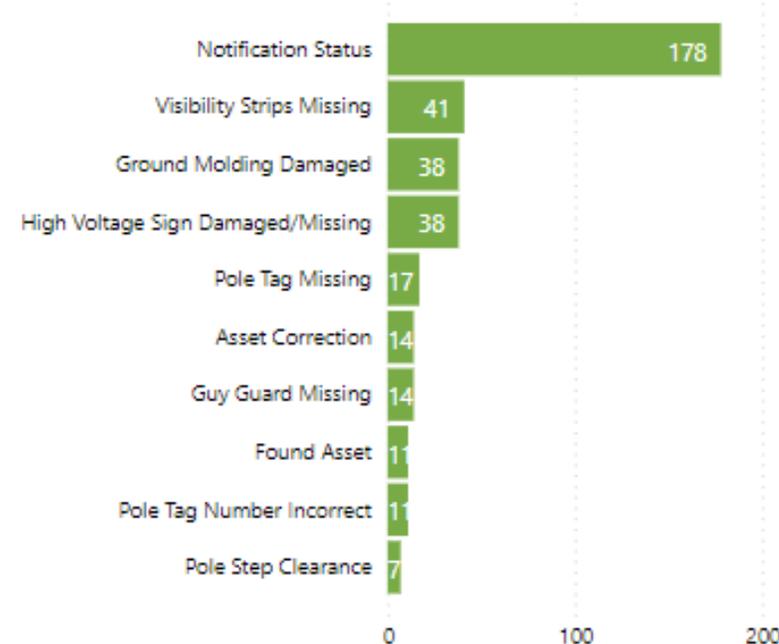
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories

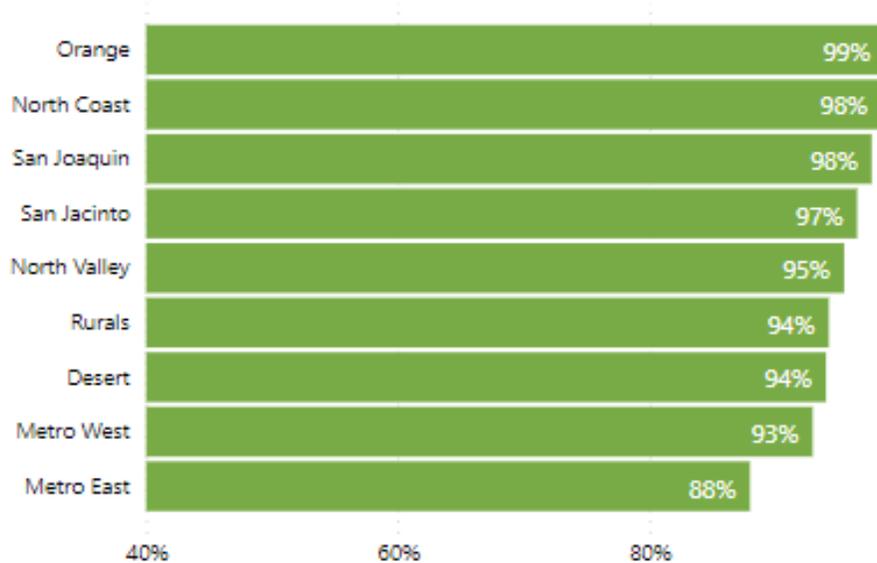


Program	FLOCS				P1 & P2 Findings							P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3	
ODI	4,806	221	95%	94.5%	6	0	228	234	72	9	391	432	
Total	4,806	221	95%	94.5%	6	0	228	234	72	9	391	432	

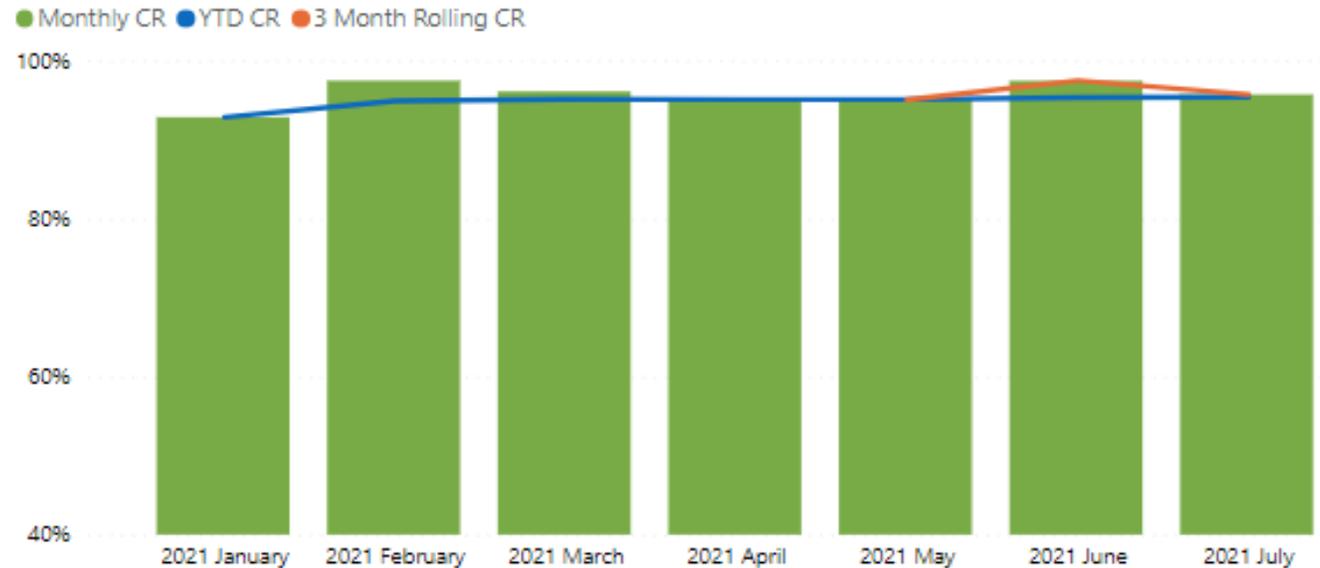
ODI – YTD 2021 Results Through July

Total	4,806 Total Inspections	4,585 Pass Total	221 Potential Non-Conformances	95% P1 & P2 Total CR%
SCE	2,283 Total Inspections	2,169 Pass Total	114 Potential Non-Conformances	95% P1 & P2 Total CR%
Contractor	2,523 Total Inspections	2,416 Pass Total	107 Potential Non-Conformances	96% P1 & P2 Total CR%

Conformance Rate by Region | District



Conformance Rate Trending



QC UDI – YTD 2021 Results Through July

75

Total Inspections

69

Pass Total

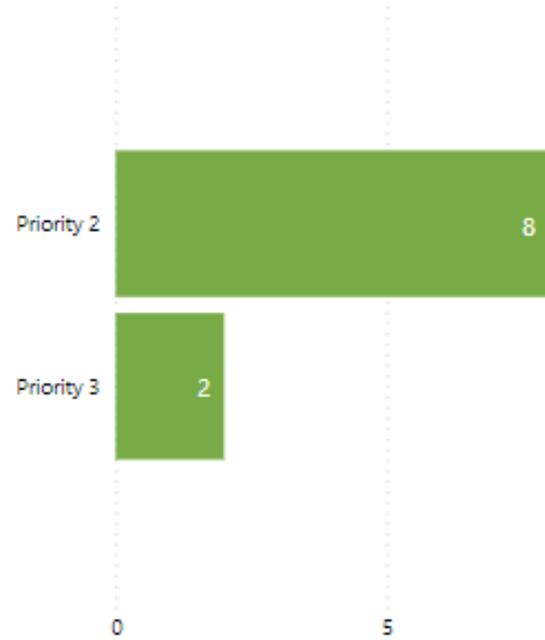
6

Potential Non-Conformances

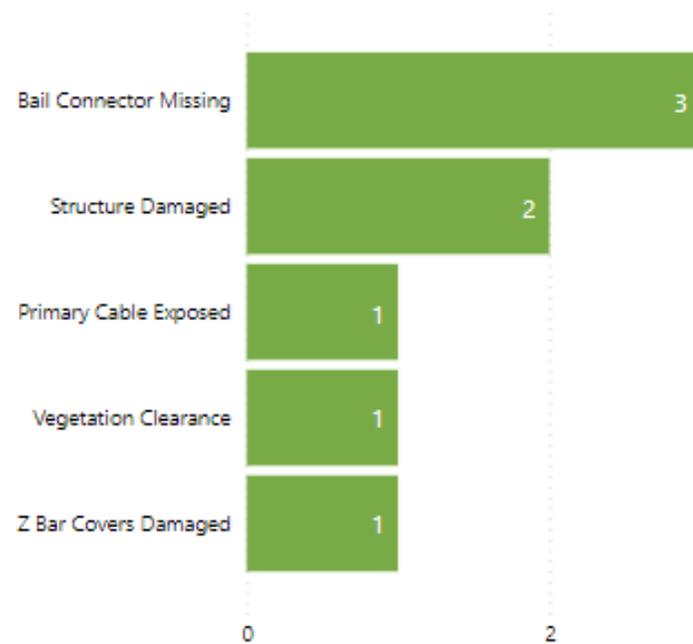
92%

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

APPENDIX



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

924

Total Inspections

589

Pass Total

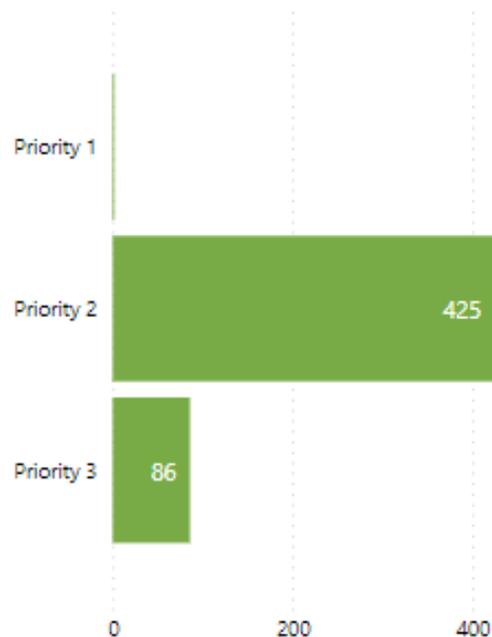
335

Potential Non-Conformances

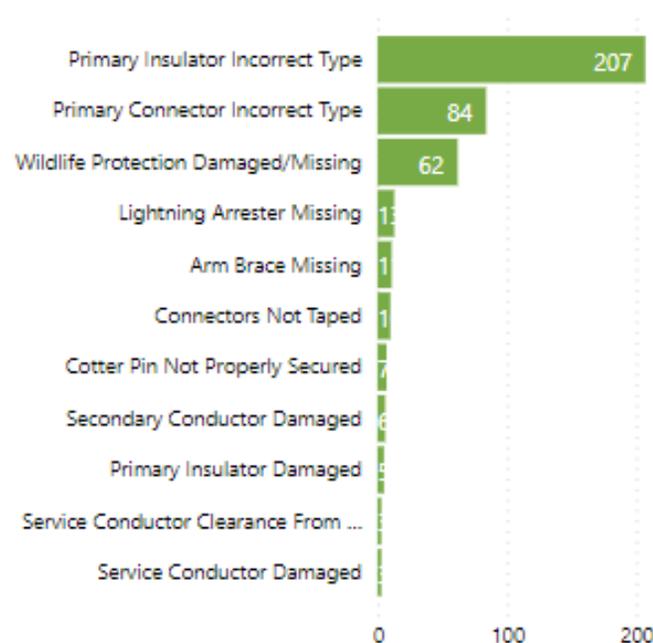
64%

P1 & P2 Total CR%

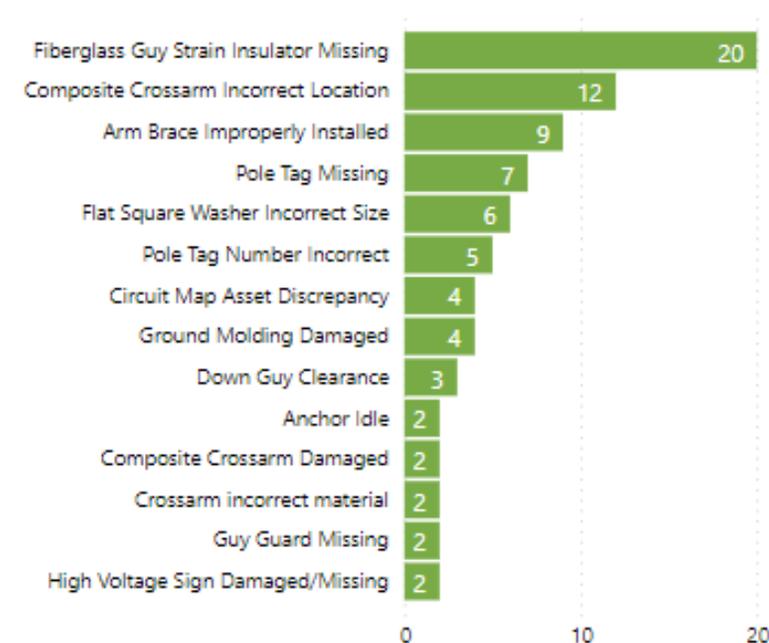
Findings by Priority



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	924	335	64%	97.0%	1	0	425	426	332	281	74	86
Total	924	335	64%	97.0%	1	0	425	426	332	281	74	86

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

692

Total Inspections

494

Pass Total

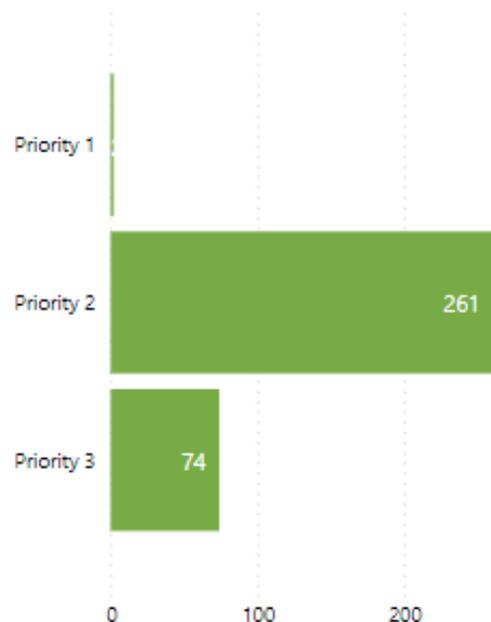
198

Potential Non-Conformances

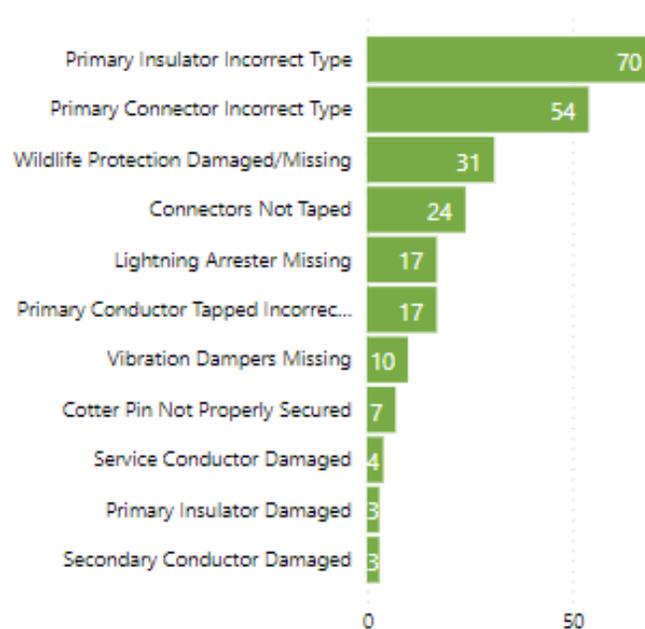
71%

P1 & P2 Total CR%

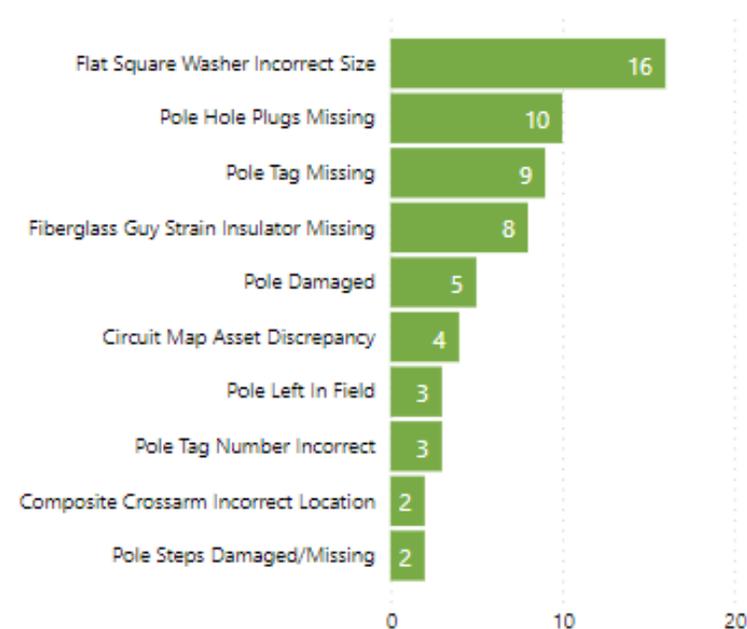
Findings by Priority



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	692	198	71%	97.0%	2	0	261	263	188	16	71	74
Total	692	198	71%	97.0%	2	0	261	263	188	16	71	74

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

213

Total Inspections

176

Pass Total

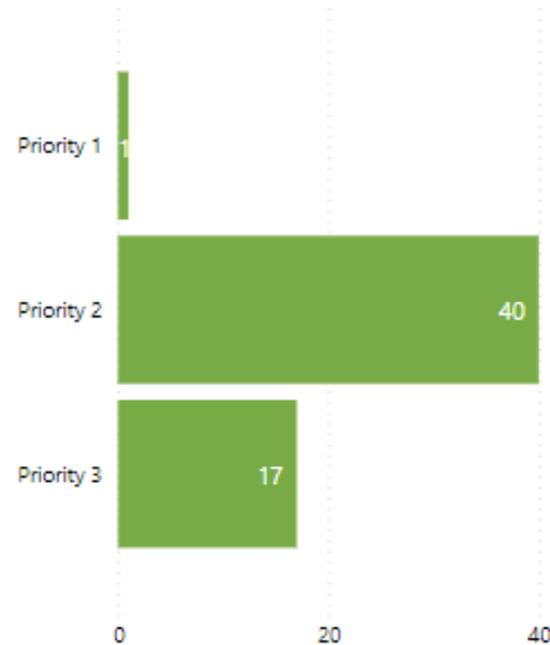
37

Potential Non-Conformances

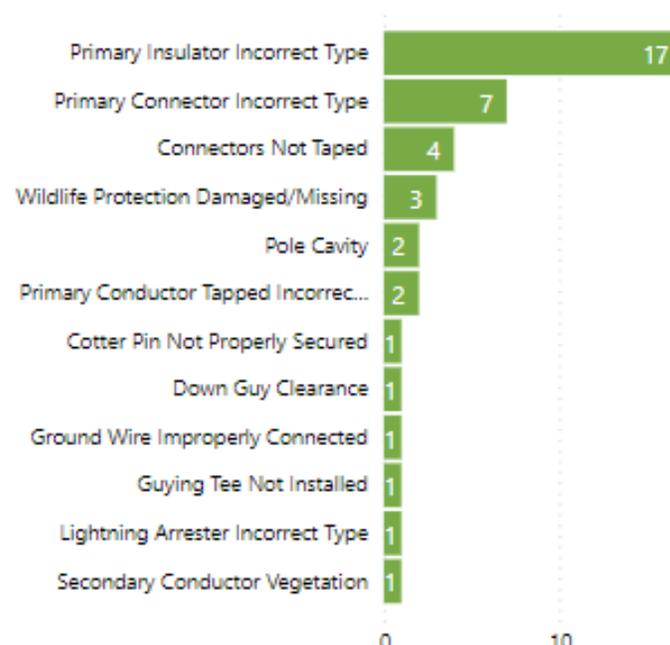
83%

P1 & P2 Total CR%

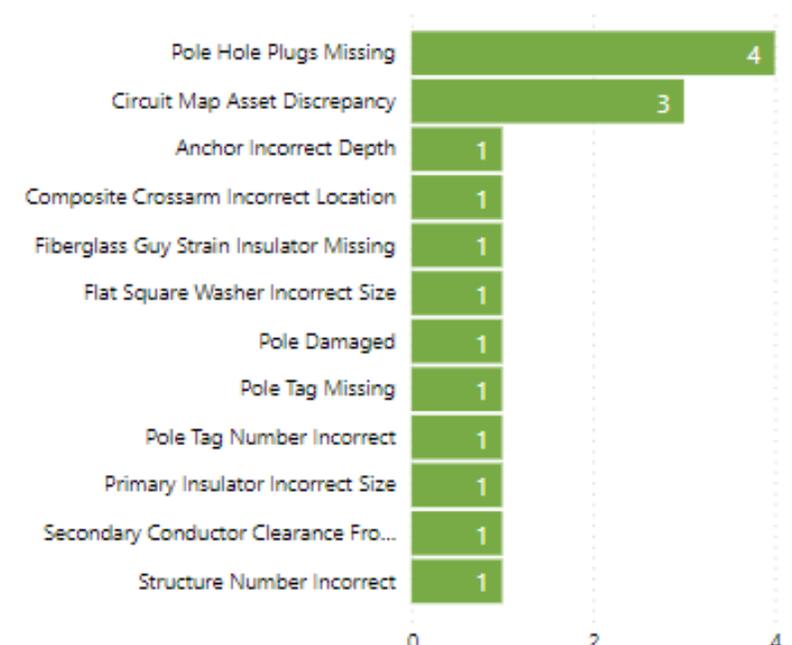
Findings by Priority



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	213	37	83%	97.0%	1	0	40	41	16	2	16	17
Total	213	37	83%	97.0%	1	0	40	41	16	2	16	17

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

80

Total Inspections

70

Pass Total

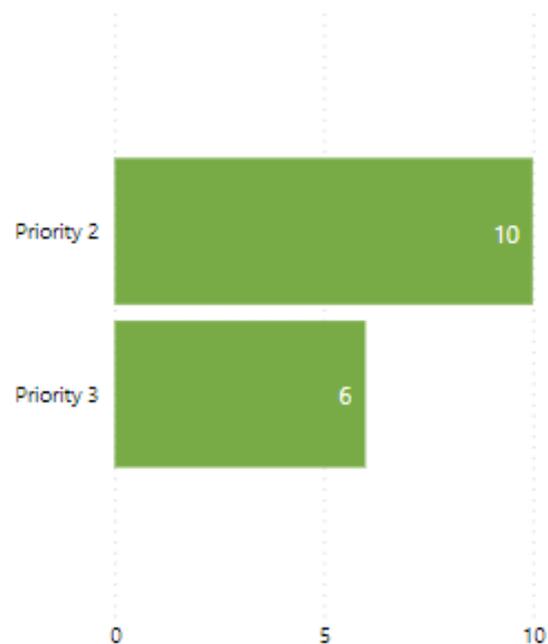
10

Potential Non-Conformances

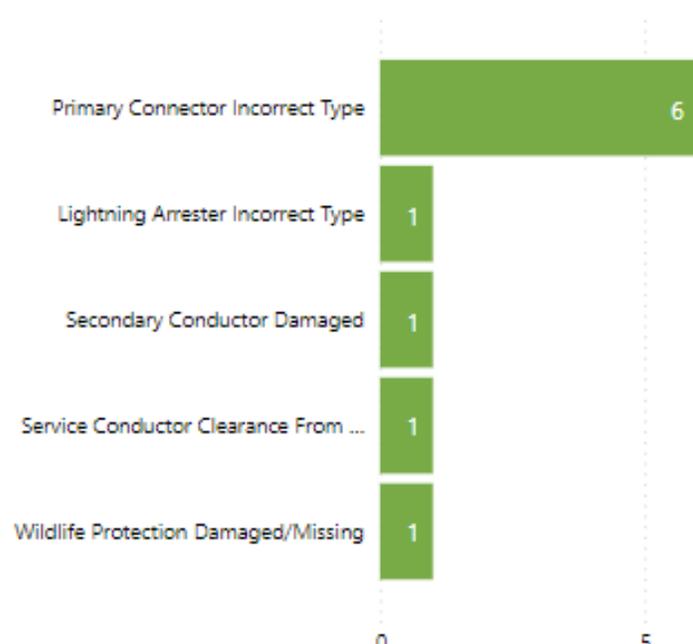
88%

P1 & P2 Total CR%

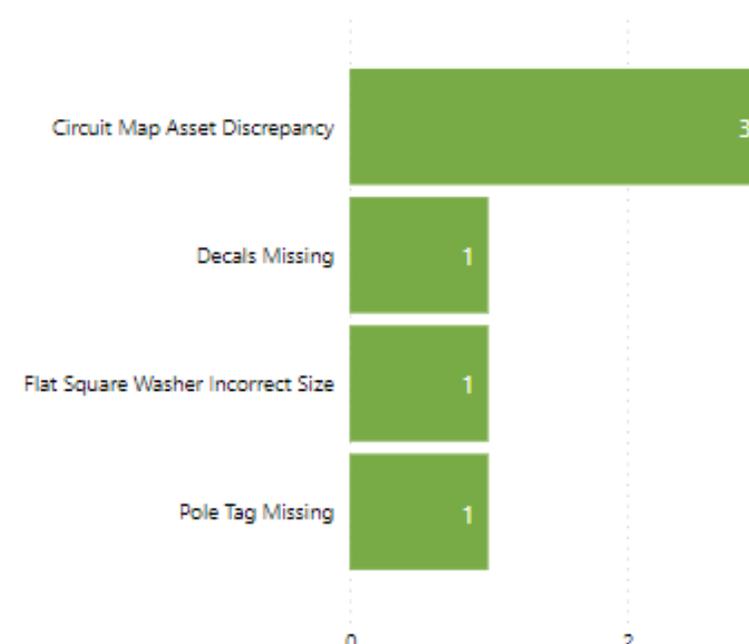
Findings by Priority



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	80	10	88%	95.0%	0	0	10	10	6	1	6	6
Total	80	10	88%	95.0%	0	0	10	10	6	1	6	6

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

468

Total Inspections

448

Pass Total

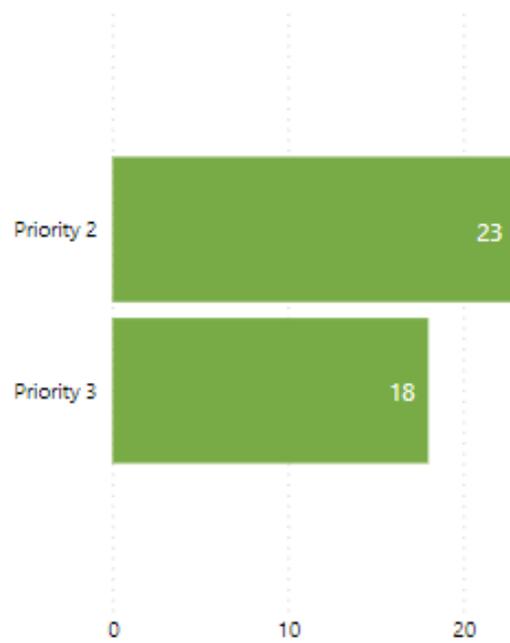
20

Potential Non-Conformances

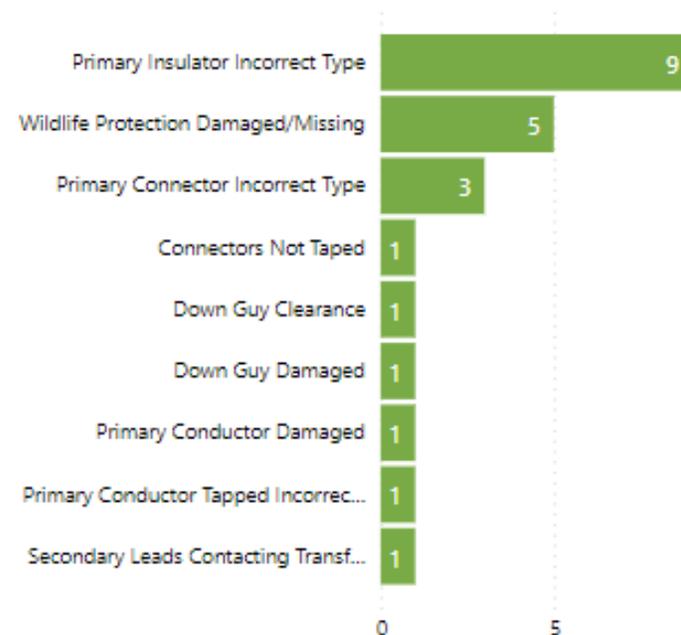
96%

P1 & P2 Total CR%

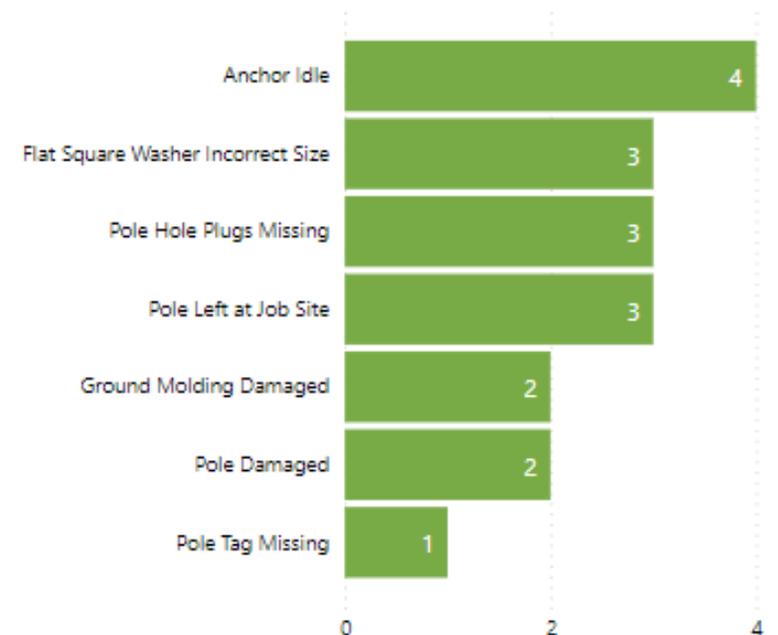
Findings by Priority



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	468	20	96%	97.0%	0	0	23	23	13	0	18	18
Total	468	20	96%	97.0%	0	0	23	23	13	0	18	18

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

1,530

Total Inspections

1,276

Pass Total

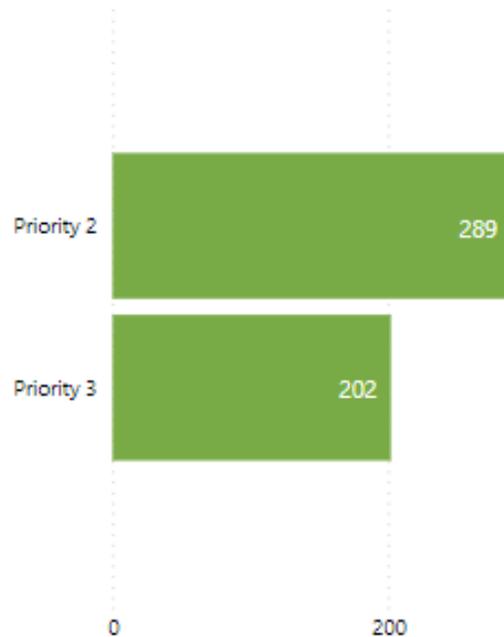
254

Potential Non-Conformances

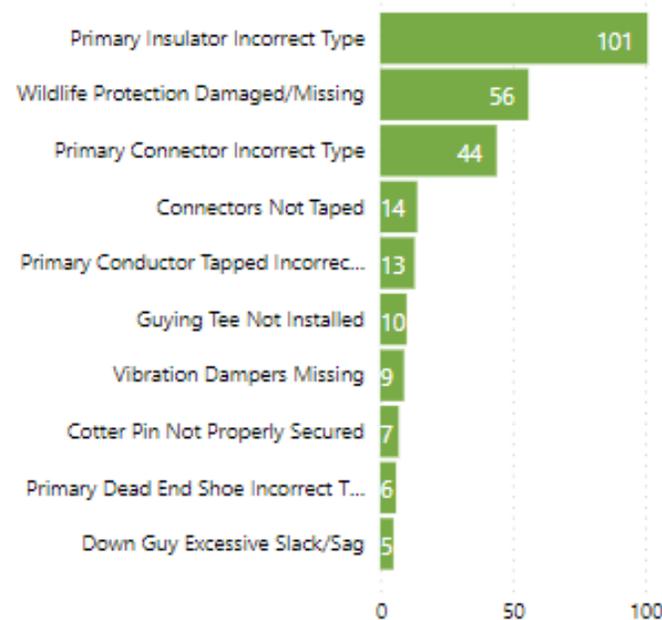
83%

P1 & P2 Total CR%

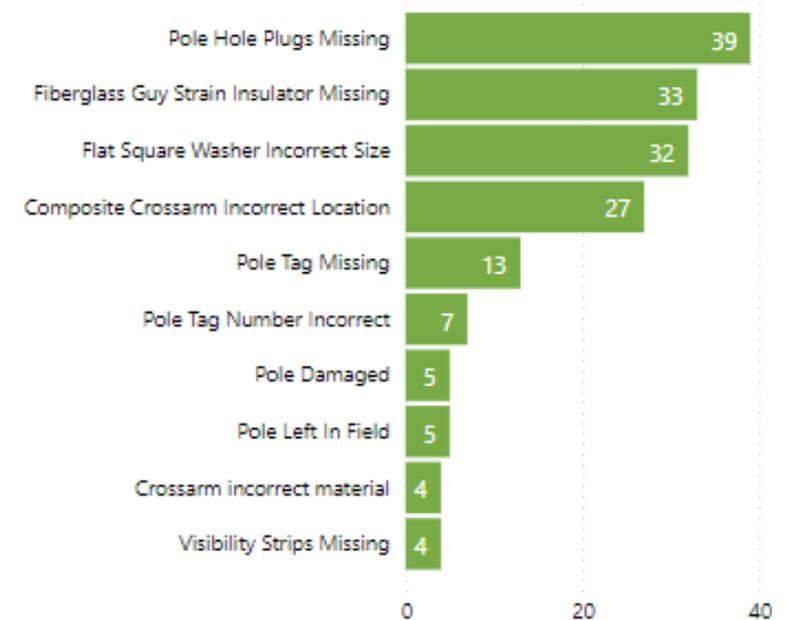
Findings by Priority



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	1,530	254	83%	97.0%	0	0	289	289	154	24	164	202
Total	1,530	254	83%	97.0%	0	0	289	289	154	24	164	202

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

115

Total Inspections

104

Pass Total

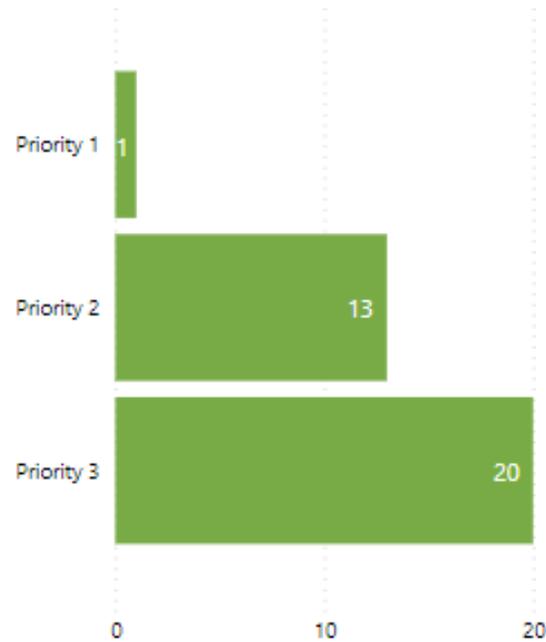
11

Potential Non-Conformances

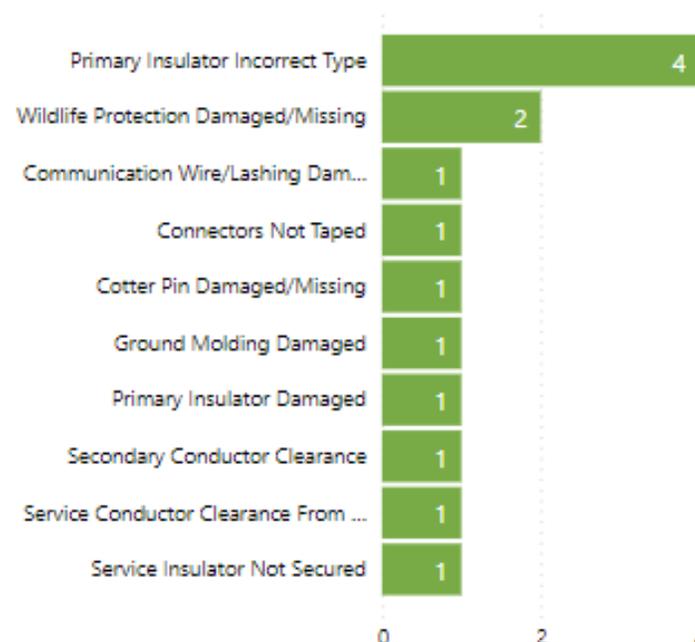
90%

P1 & P2 Total CR%

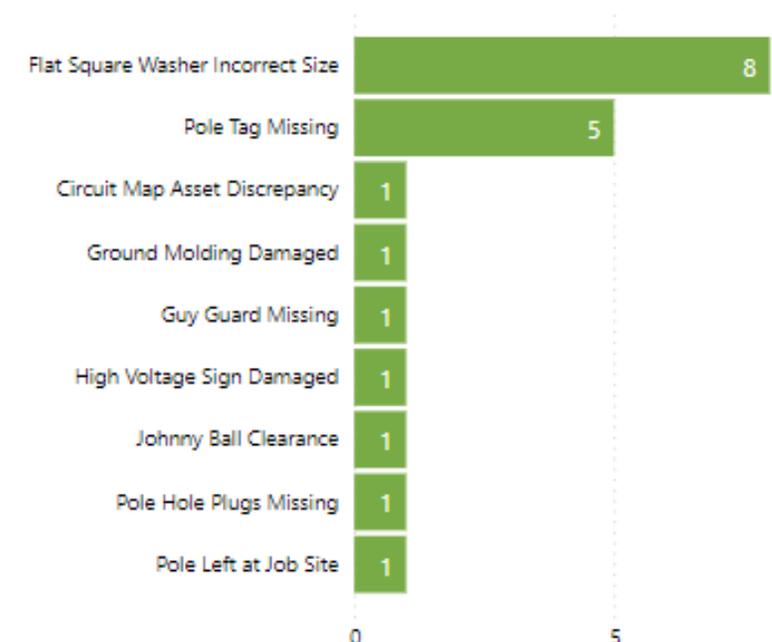
Findings by Priority



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	115	11	90%	96.0%	1	0	13	14	9	2	15	20
Total	115	11	90%	96.0%	1	0	13	14	9	2	15	20

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

610

Total Inspections

487

Pass Total

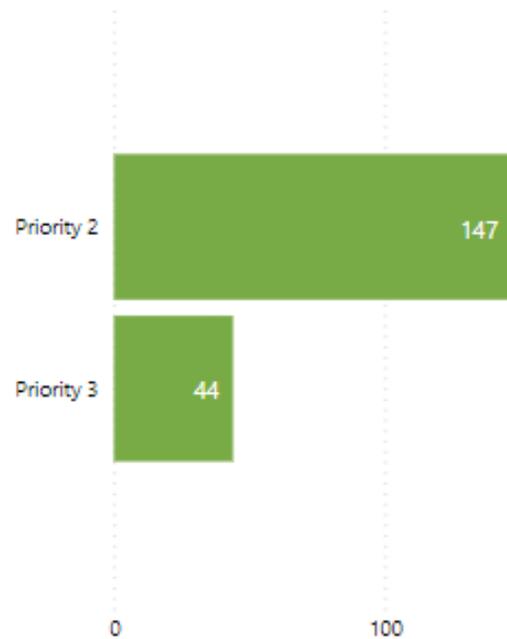
123

Potential Non-Conformances

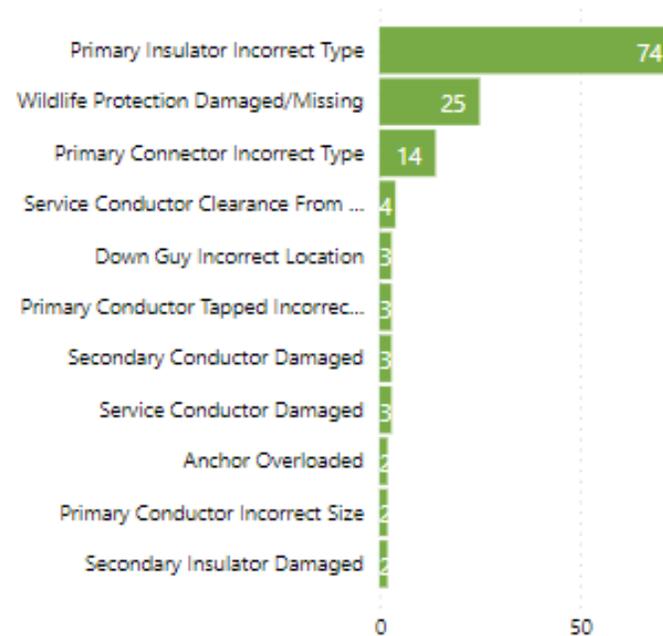
80%

P1 & P2 Total CR%

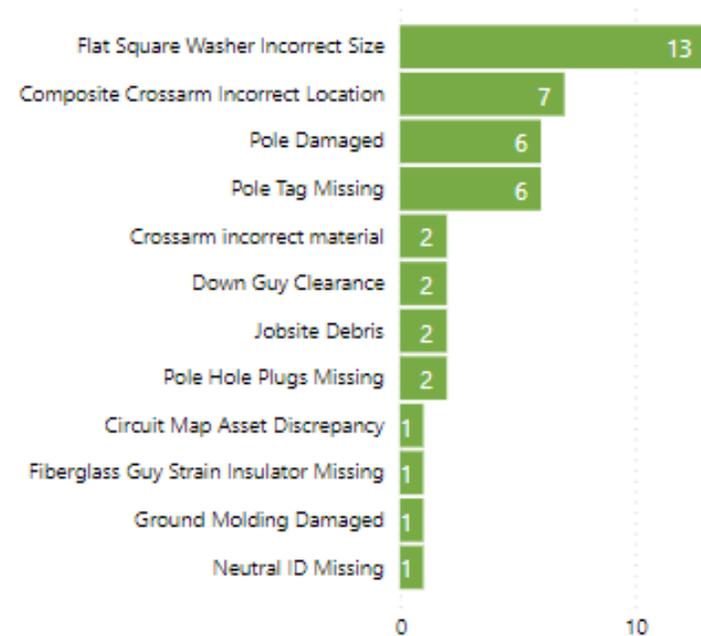
Findings by Priority



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
④ Distribution Construction	610	123	80%	97.0%	0	0	147	147	89	5	37	44
Total	610	123	80%	97.0%	0	0	147	147	89	5	37	44

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

1,569

Total Inspections

1,128

Pass Total

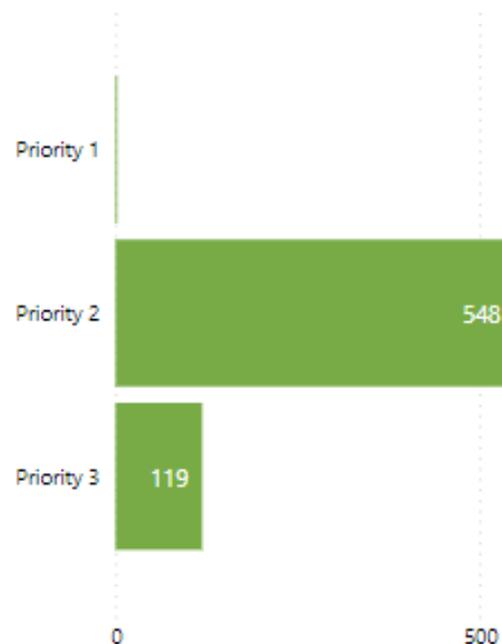
441

Potential Non-Conformances

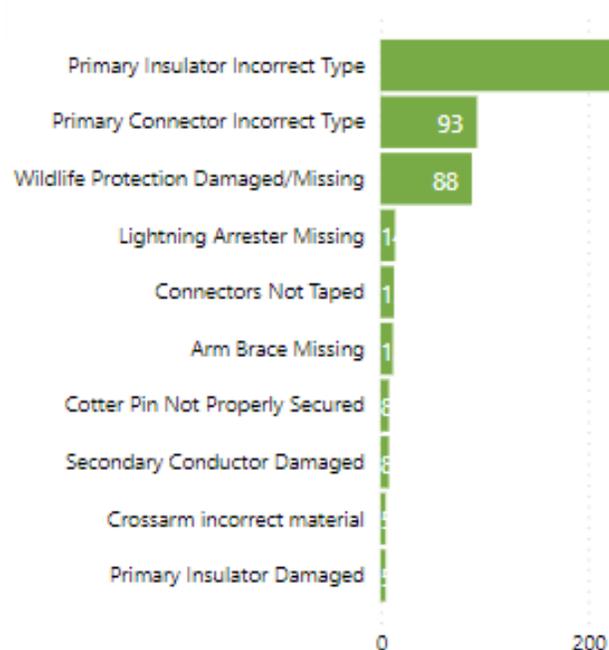
72%

P1 & P2 Total CR%

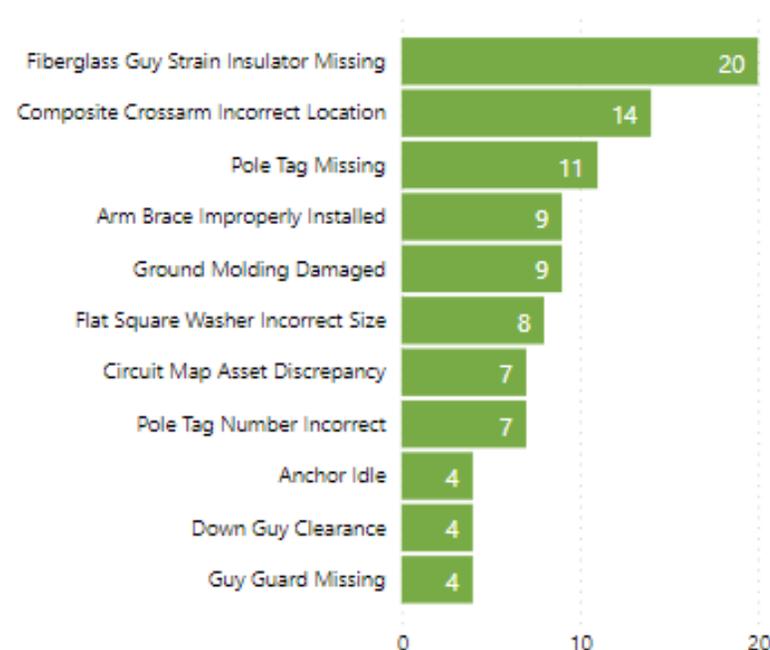
Findings by Priority



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	1,569	441	72%	97.0%	1	0	548	549	368	295	105	119
Total	1,569	441	72%	97.0%	1	0	548	549	368	295	105	119

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

39

Total Inspections

34

Pass Total

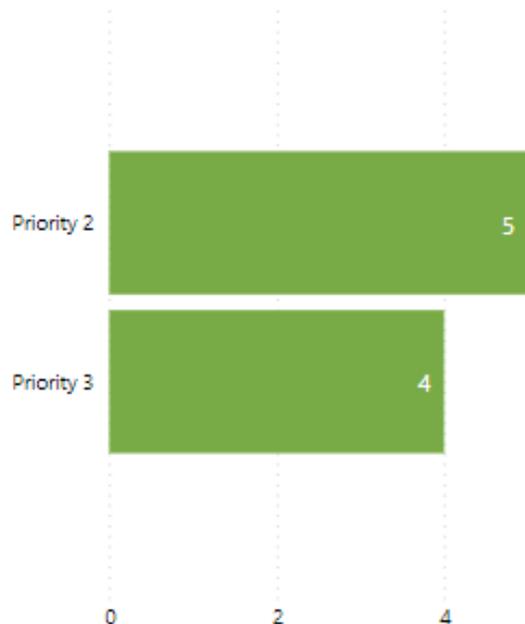
5

Potential Non-Conformances

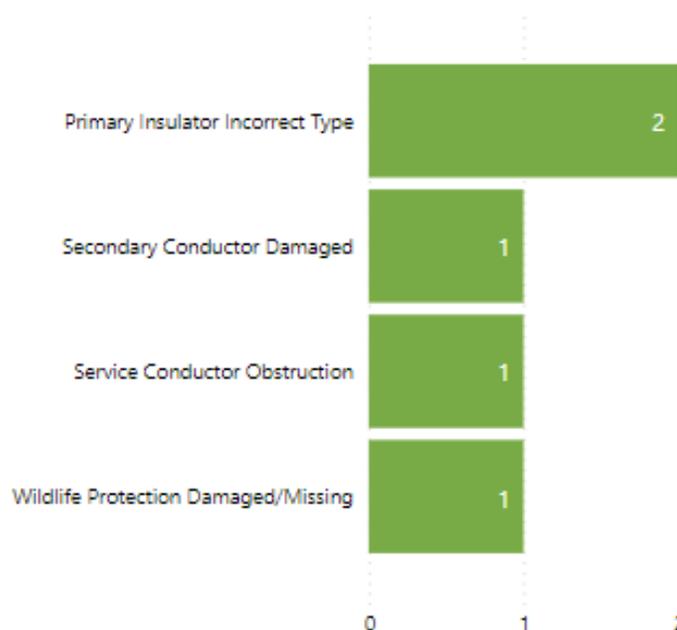
87%

P1 & P2 Total CR%

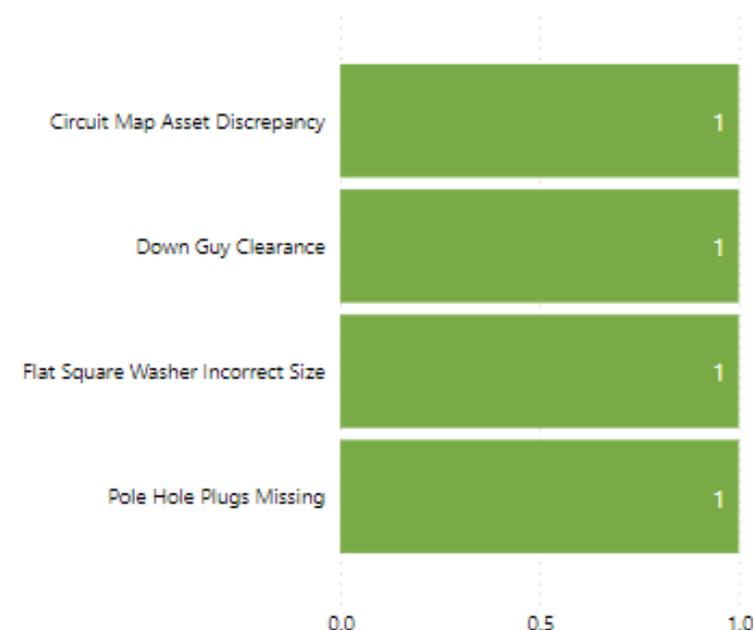
Findings by Priority



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	39	5	87%	95.0%	0	0	5	5	3	3	4	4
Total	39	5	87%	95.0%	0	0	5	5	3	3	4	4

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