

# T&D Quality Programs

Distribution Performance Meeting  
June 2021



# Program Performance – BI Dashboard thru May 2021

Header	QC Structures Inspected	2021 YTD to May						Total					
		P1		P2		P3		P1 & P2 Findings		P1 & P2 Findings		P1 & P2 Findings	
Program Name		Count	CR %	Count	CR %	Count	CR %	Open Count	Overdue Count	Open Count	Overdue Count	Open Count	Overdue Count
Distribution Construction	3,841	5	99.9%	834	78.2%	338	91.2%	771	69	416	416	1,187	485
Transmission Construction	612	0	100.0%	25	95.9%	25	95.9%	18	0	8	8	26	8
Aerial Distribution	0	0	0	0	0	0	0	0	0	8	8	8	8
ODI	3,884	5	99.9%	187	95.2%	297	92.4%	88	4	0	0	88	4
Planning	911	78	91.4%	198	78.3%	172	81.1%	315	16	0	0	315	16
Intrusive	429	0	100.0%	5	98.8%	21	95.1%	4	0	0	0	4	0
Generation Inspections	0	0	0	0	0	0	0	0	0	3	3	3	3
TIMP	521	1	99.8%	7	98.7%	10	98.1%	7	0	0	0	7	0

## Other Program Information

- QC Pole Loading program completed in May with a conformance rate of 97.4%
- New QC of Underground Detail Inspection program starting early June

# Distribution Construction – YTD 2021 Results Through May

3,841

Total Inspections

2,999

Pass Total

842

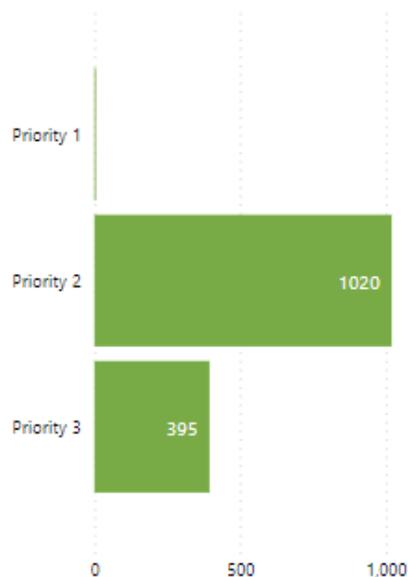
Potential Non-Conformances

78%

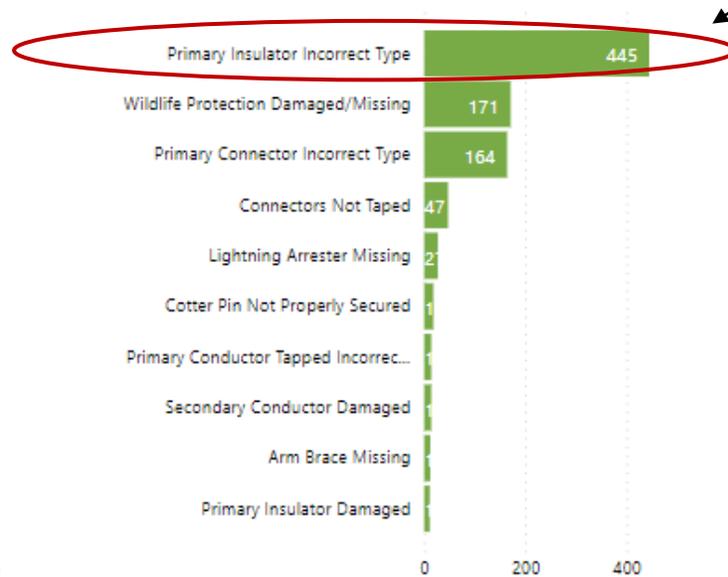
P1 & P2 Total CR%

Asset Life Issue, remediation within 5 years (under further evaluation). Initiated Cause Evaluation, elimination would increase CR score to ~88%

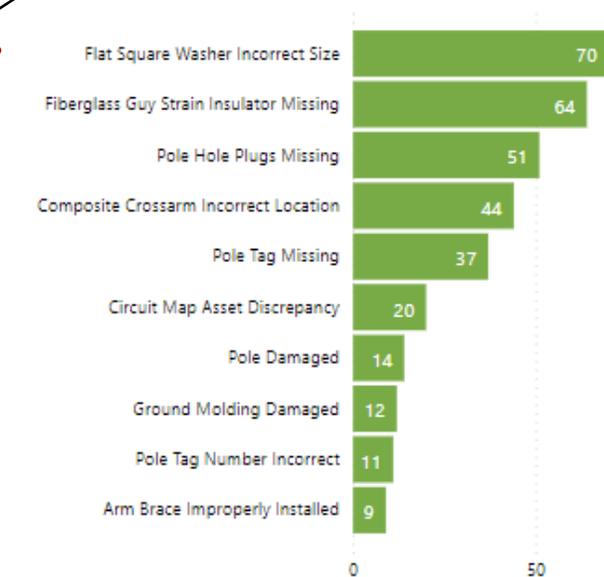
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



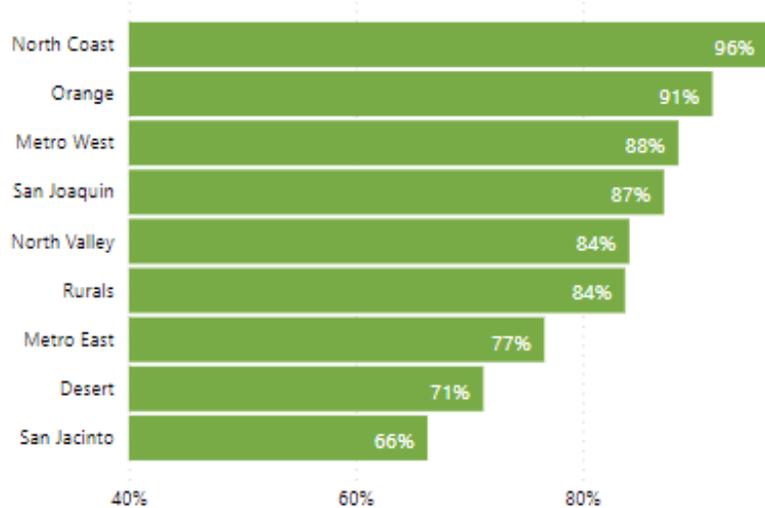
Program Name - REAX Score	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open
<b>Distribution Construction (Very High)</b>									
Very High	932	304	67%	100.0%	0	0	380	380	338
High	1,671	372	78%	98.0%	1	0	453	454	313
Medium	933	139	85%	95.0%	4	0	158	162	106
Low	305	27	91%	95.0%	0	0	29	29	14
<b>Total</b>	<b>3,841</b>	<b>842</b>	<b>78%</b>	<b>97.0%</b>	<b>5</b>	<b>0</b>	<b>1,020</b>	<b>1,025</b>	<b>771</b>

# QC Results thru May 2021 (Dist. Construction)

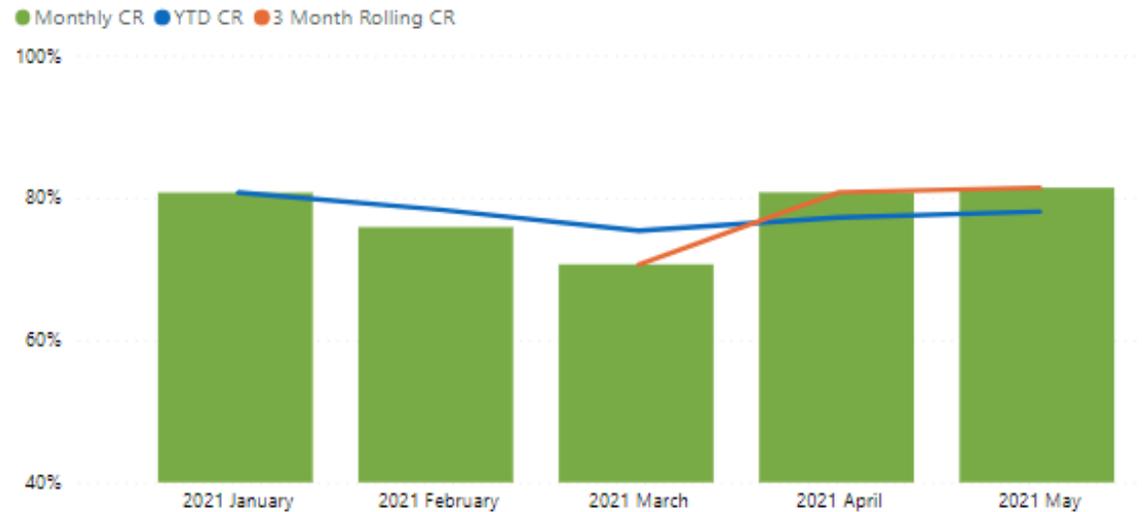
Trend vs 1<sup>st</sup> QTR

<b>Total</b>	<b>3,841</b> Total Inspections	<b>2,999</b> Pass Total	<b>842</b> Potential Non-Conformances	<b>78%</b> P1 & P2 Total CR%	↑ +3%
<b>SCE</b>	<b>654</b> Total Inspections	<b>584</b> Pass Total	<b>70</b> Potential Non-Conformances	<b>89%</b> P1 & P2 Total CR%	↑ +2%
<b>Contractor</b>	<b>3,187</b> Total Inspections	<b>2,415</b> Pass Total	<b>772</b> Potential Non-Conformances	<b>76%</b> P1 & P2 Total CR%	↑ +4%

Conformance Rate by Region | District

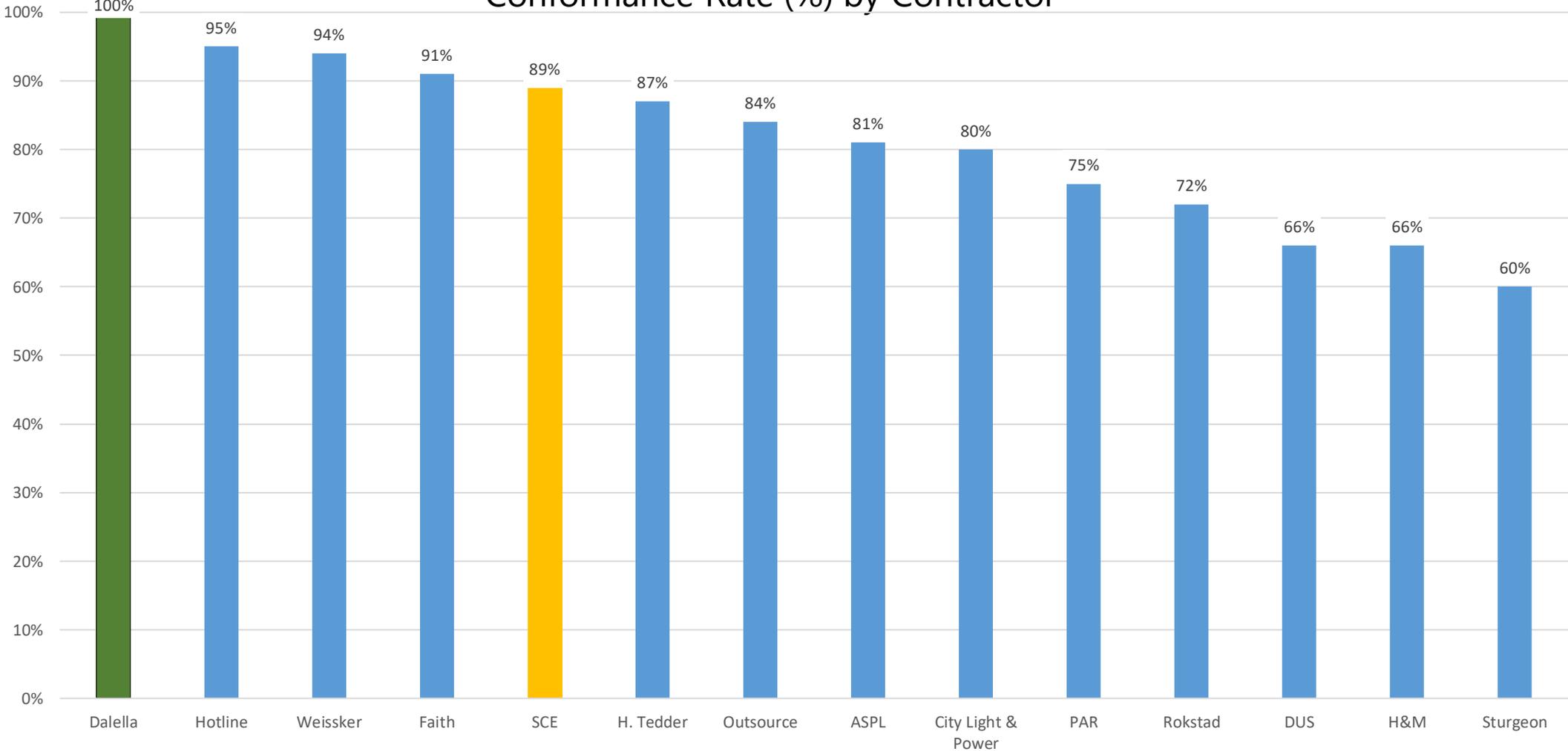


Conformance Rate Trending



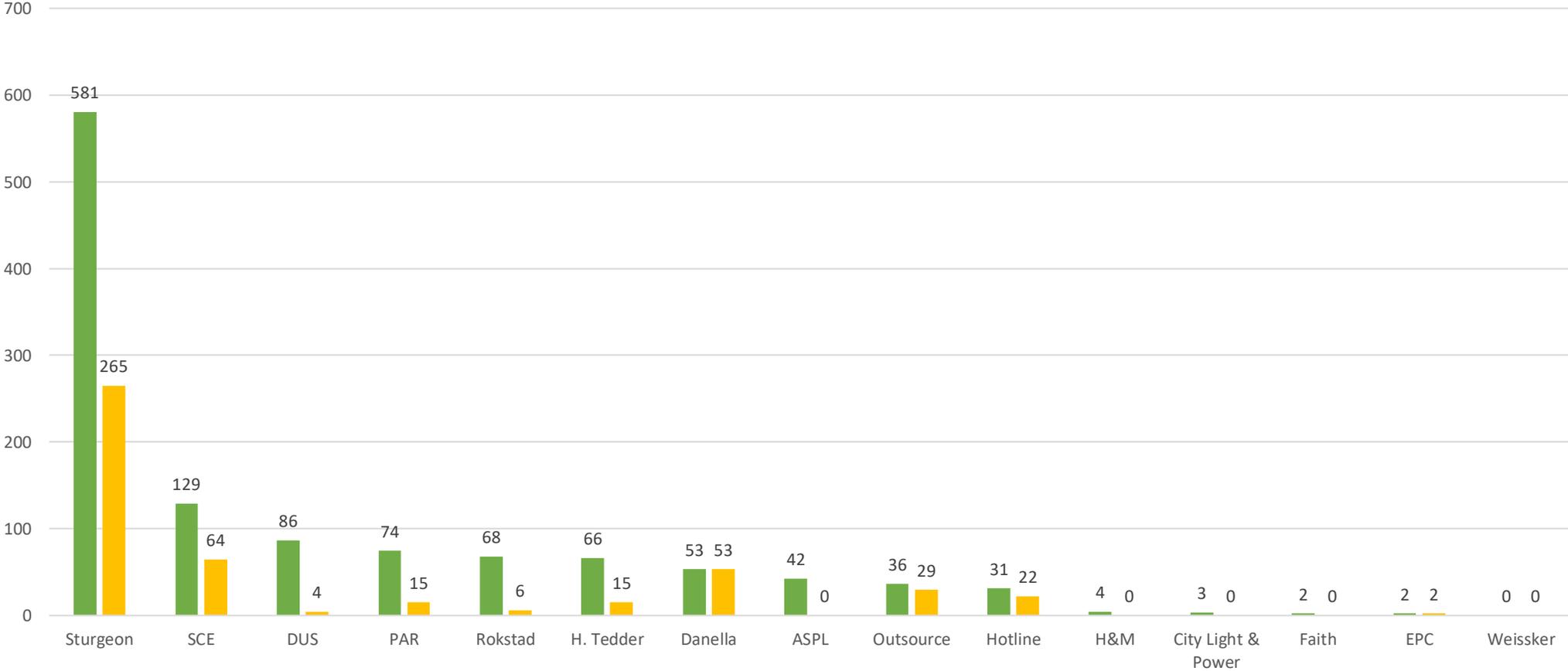
# QC Results By Contractor

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



# QC Results By Contractor

QC Distribution Construction Program – 2020 thru May 2021  
 Open & Overdue P1s & P2s



Note: Past Due includes 2020 & 2021 Findings

Open Past Due

# Overhead Detail Inspection - YTD 2021 Results Through May

**3,884**  
Total Inspections

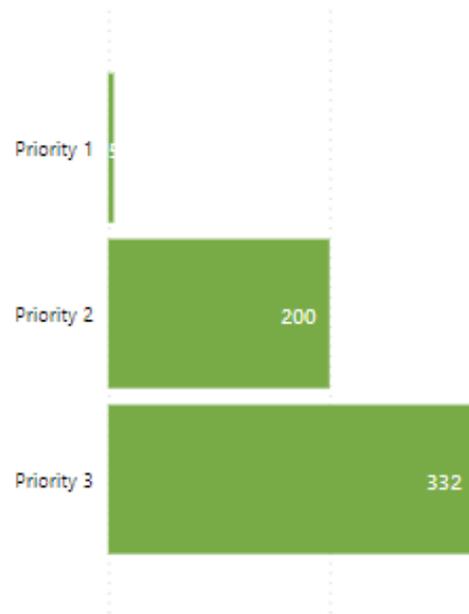
**3,692**  
Pass Total

**192**  
Potential Non-Conformances

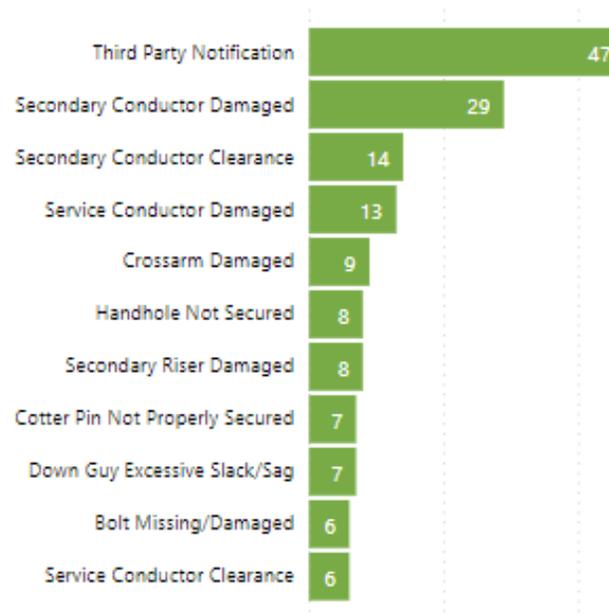
**95%**  
P1 & P2 Total CR%

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

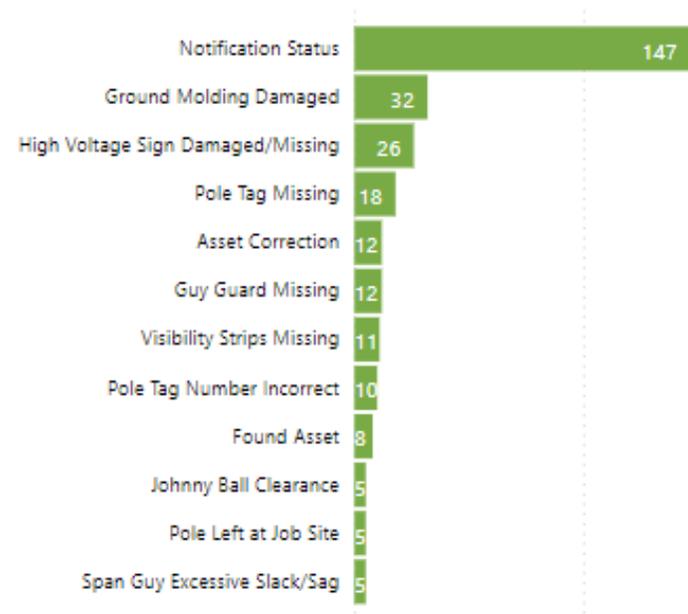
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories

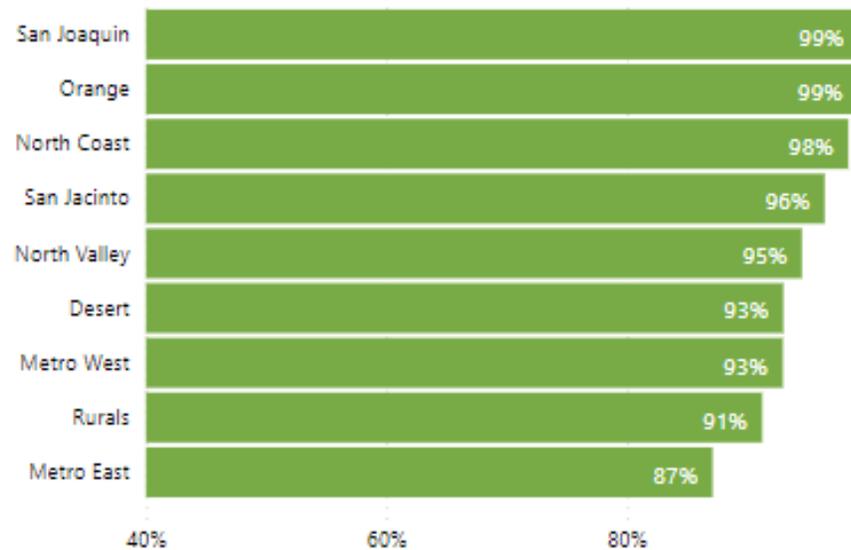


Program Name - REAX Score	FLOCS				P1 & P2 Findings					
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	
<b>ODI (High)</b>										
Very High	876	35	96%	98.0%	1	0	37	38	32	
High	1,136	31	97%	95.0%	0	0	31	31	19	
Medium	970	67	93%	95.0%	2	0	72	74	6	
Low	567	33	94%	90.0%	0	0	34	34	11	
<b>Total</b>	<b>3,549</b>	<b>166</b>	<b>95%</b>	<b>94.5%</b>	<b>3</b>	<b>0</b>	<b>174</b>	<b>177</b>	<b>68</b>	

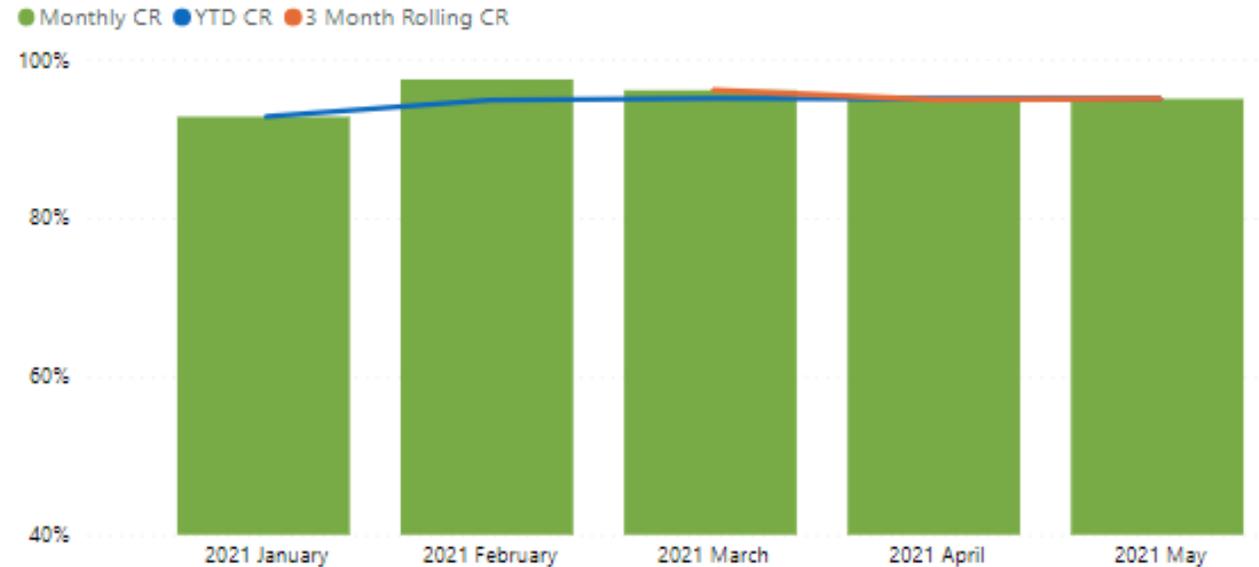
# ODI – YTD 2021 Results Through May

<b>Total</b>	<b>3,884</b> Total Inspections	<b>3,692</b> Pass Total	<b>192</b> Potential Non-Conformances	<b>95%</b> P1 & P2 Total CR%
<b>SCE</b>	<b>2,324</b> Total Inspections	<b>2,213</b> Pass Total	<b>111</b> Potential Non-Conformances	<b>95%</b> P1 & P2 Total CR%
<b>Contractor</b>	<b>1,560</b> Total Inspections	<b>1,479</b> Pass Total	<b>81</b> Potential Non-Conformances	<b>95%</b> P1 & P2 Total CR%

Conformance Rate by Region | District



Conformance Rate Trending



# APPENDIX



# Draft YTD May 2021 QC Results (Dist. Construction) – Sturgeon/San Jacinto Region

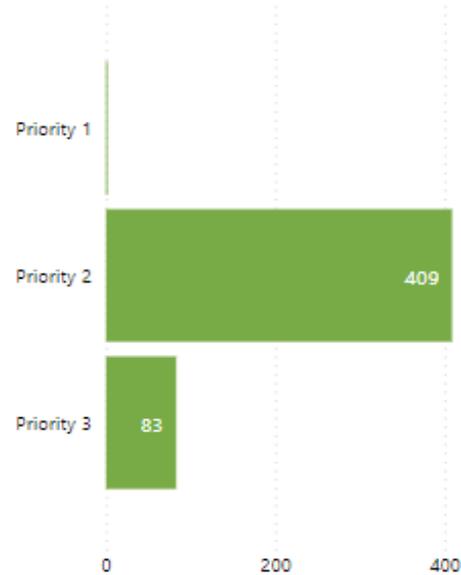
**815**  
Total Inspections

**492**  
Pass Total

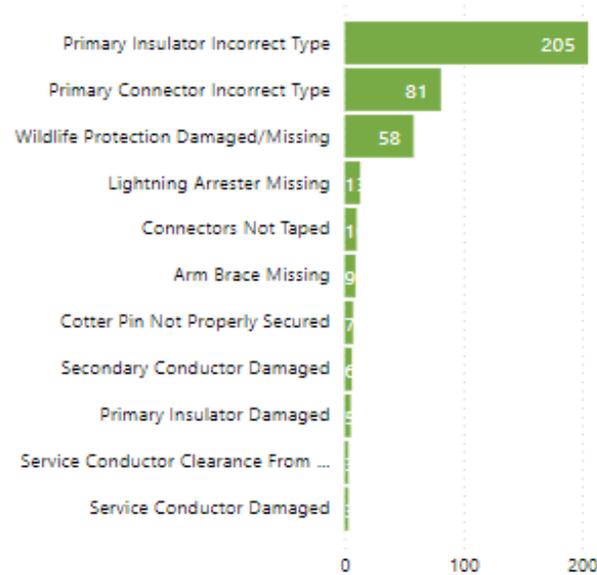
**323**  
Potential Non-Conformances

**60%**  
P1 & P2 Total CR%

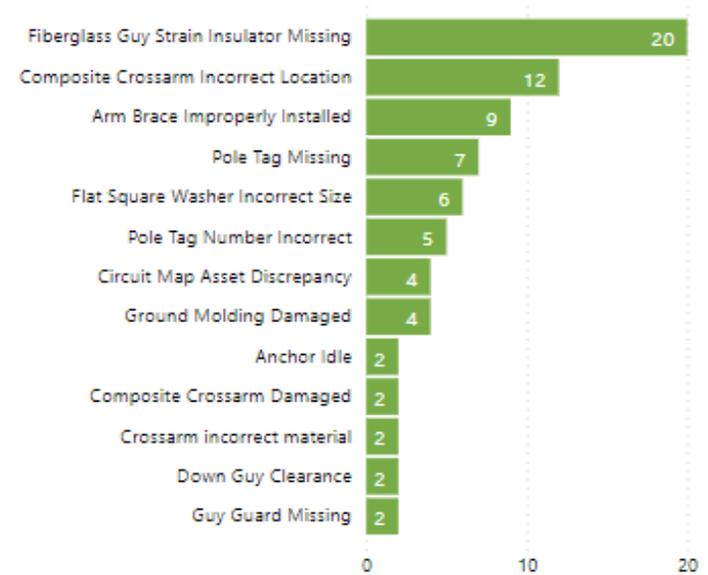
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program Name - REAX Score	FLOCS				P1 & P2 Findings				
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open
<b>Distribution Construction (Very High)</b>									
Very High	353	157	56%	100.0%	0	0	190	190	179
High	409	155	62%	98.0%	1	0	207	208	171
Medium	46	10	78%	95.0%	0	0	11	11	10
Low	7	1	86%	95.0%	0	0	1	1	1
<b>Total</b>	<b>815</b>	<b>323</b>	<b>60%</b>	<b>97.0%</b>	<b>1</b>	<b>0</b>	<b>409</b>	<b>410</b>	<b>361</b>

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

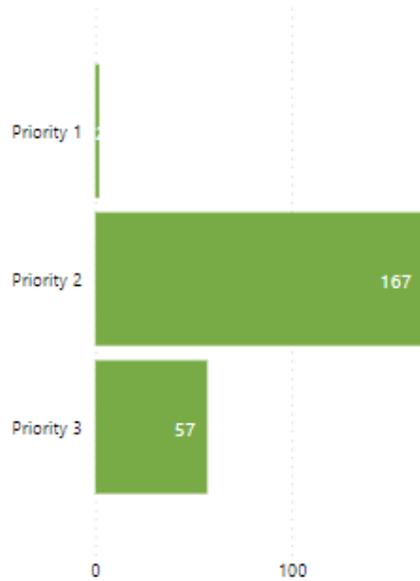
**435**  
Total Inspections

**310**  
Pass Total

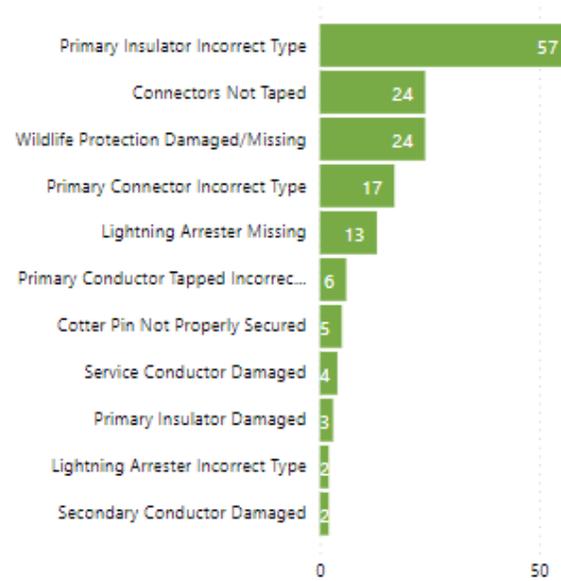
**125**  
Potential Non-Conformances

**71%**  
P1 & P2 Total CR%

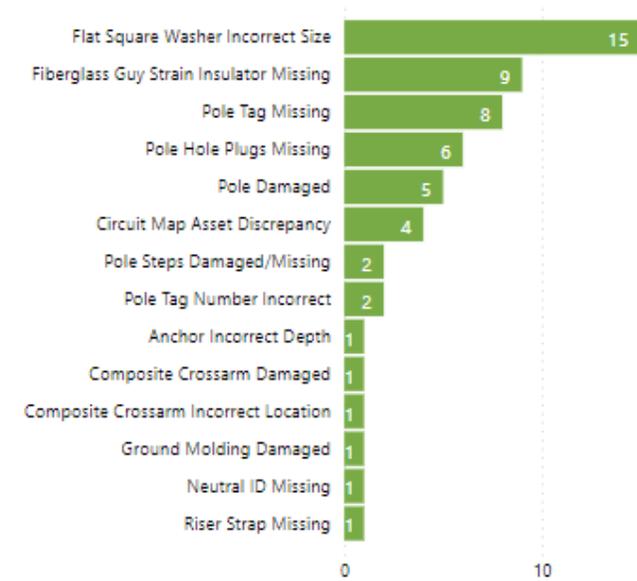
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories

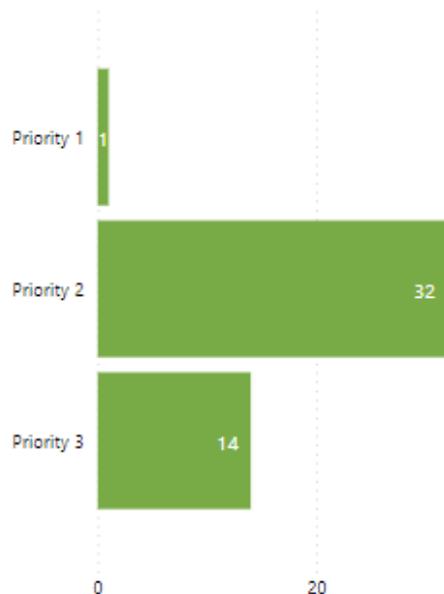


Program Name - REAX Score	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
<b>Distribution Construction (Very High)</b>												
Very High	133	55	59%	100.0%	0	0	82	82	63	0	19	20
High	129	36	72%	98.0%	0	0	45	45	30	0	19	21
Medium	135	30	78%	95.0%	2	0	35	37	21	1	14	14
Low	38	4	89%	95.0%	0	0	5	5	2	0	2	2
<b>Total</b>	<b>435</b>	<b>125</b>	<b>71%</b>	<b>97.0%</b>	<b>2</b>	<b>0</b>	<b>167</b>	<b>169</b>	<b>116</b>	<b>1</b>	<b>54</b>	<b>57</b>

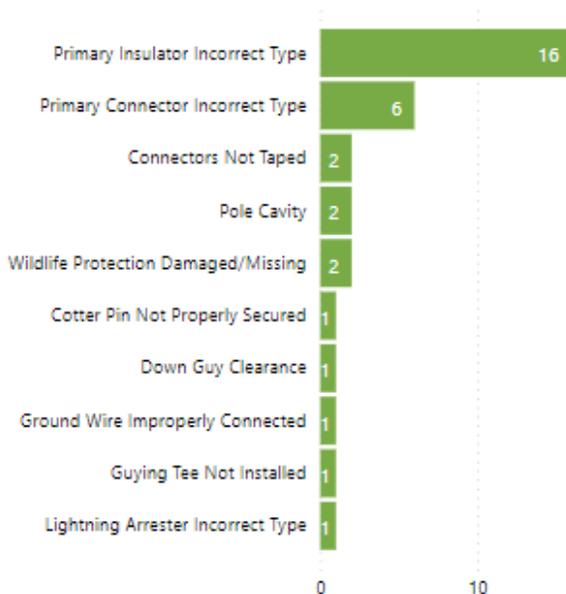
# YTD May 2021 QC Results (Dist. Construction) – Metro East

**137** Total Inspections      **105** Pass Total      **32** Potential Non-Conformances      **77%** P1 & P2 Total CR%

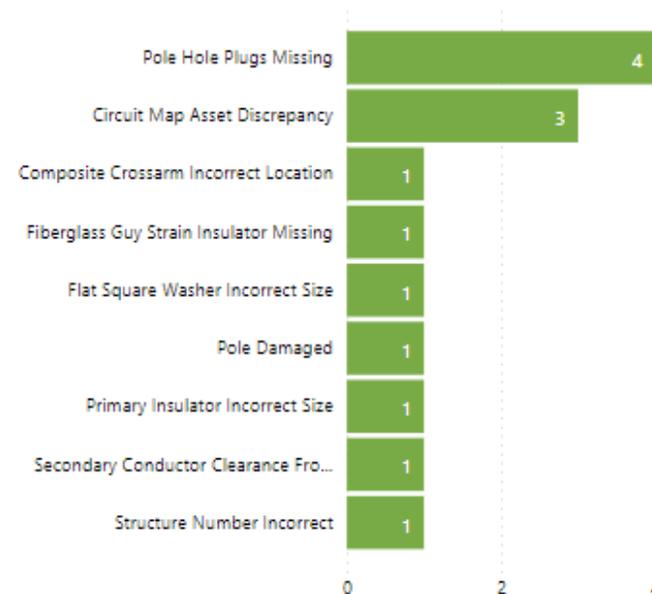
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program Name - REAX Score	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
<b>Distribution Construction (Very High)</b>												
Very High	4	2	50%	100.0%	0	0	2	2	0	0	0	0
High	17	11	35%	98.0%	0	0	12	12	2	0	1	1
Medium	59	17	71%	95.0%	1	0	16	17	9	0	10	11
Low	57	2	96%	95.0%	0	0	2	2	1	0	2	2
<b>Total</b>	<b>137</b>	<b>32</b>	<b>77%</b>	<b>97.0%</b>	<b>1</b>	<b>0</b>	<b>32</b>	<b>33</b>	<b>12</b>	<b>0</b>	<b>13</b>	<b>14</b>

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

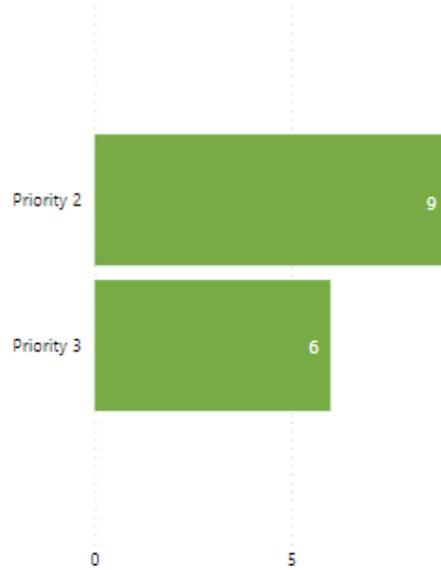
**78**  
Total Inspections

**69**  
Pass Total

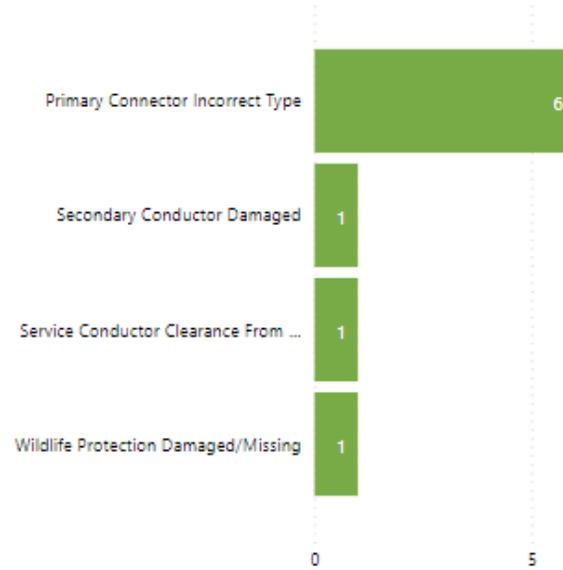
**9**  
Potential Non-Conformances

**88%**  
P1 & P2 Total CR%

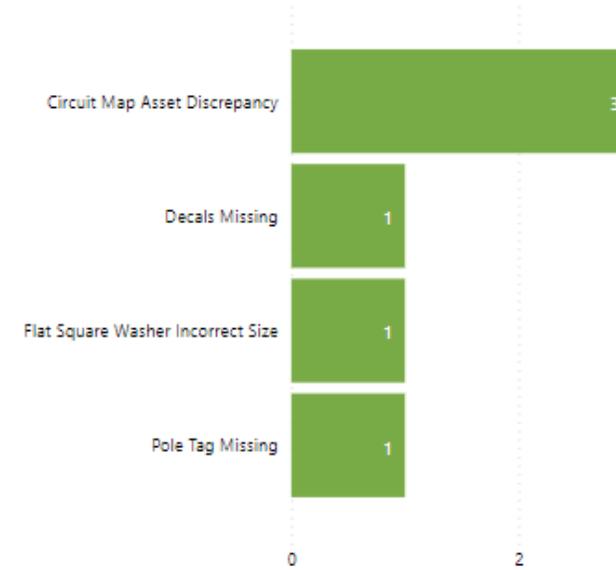
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program Name - REAX Score	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
<b>Distribution Construction (Very High)</b>												
Very High		0			0	0	0	0	0	0	0	0
High		0			0	0	0	0	0	0	0	0
Medium	15	2	87%	95.0%	0	0	2	2	1	0	3	3
Low	63	7	89%	95.0%	0	0	7	7	4	0	3	3
<b>Total</b>	<b>78</b>	<b>9</b>	<b>88%</b>	<b>95.0%</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>9</b>	<b>5</b>	<b>0</b>	<b>6</b>	<b>6</b>

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

**355**

Total Inspections

**342**

Pass Total

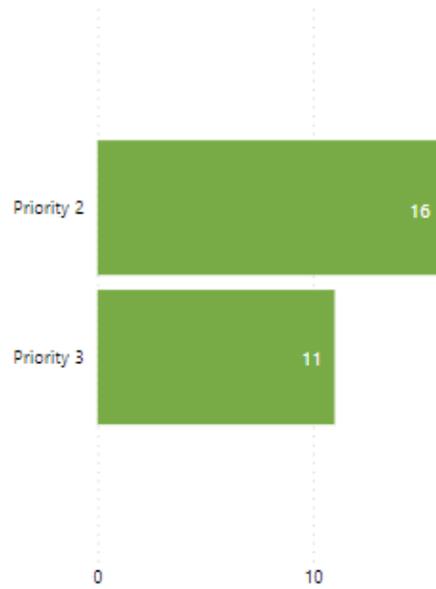
**13**

Potential Non-Conformances

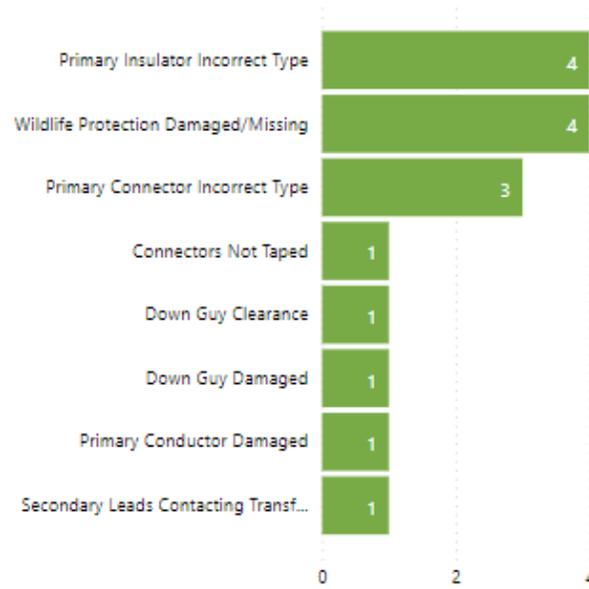
**96%**

P1 & P2 Total CR%

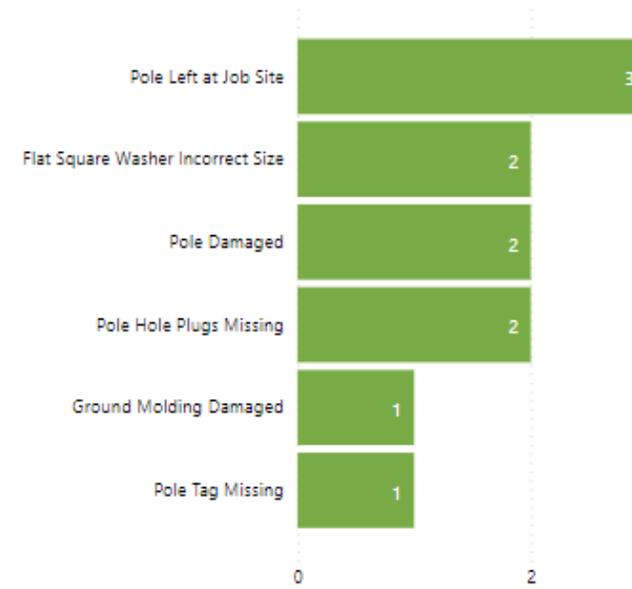
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories

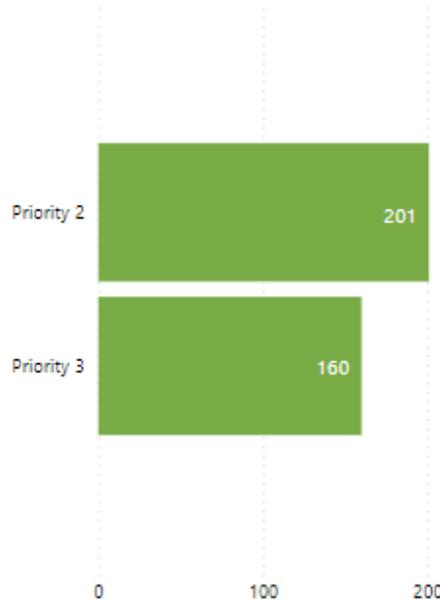


Program Name - REAX Score	FLOCS				P1 & P2 Findings						P3 Findings	
	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
<b>Distribution Construction (Very High)</b>												
Very High	28	0	100%	100.0%	0	0	0	0	0	0	0	0
High	113	1	99%	98.0%	0	0	1	1	1	0	4	4
Medium	195	10	95%	95.0%	0	0	13	13	12	0	7	7
Low	19	2	89%	95.0%	0	0	2	2	0	0	0	0
<b>Total</b>	<b>355</b>	<b>13</b>	<b>96%</b>	<b>97.0%</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>16</b>	<b>13</b>	<b>0</b>	<b>11</b>	<b>11</b>

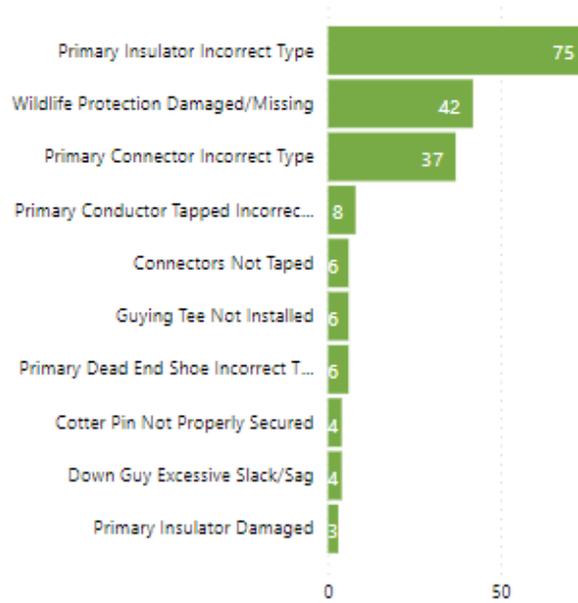
# YTD May 2021 QC Results (Dist. Construction) – North Valley

**1,128** Total Inspections      **949** Pass Total      **179** Potential Non-Conformances      **84%** P1 & P2 Total CR%

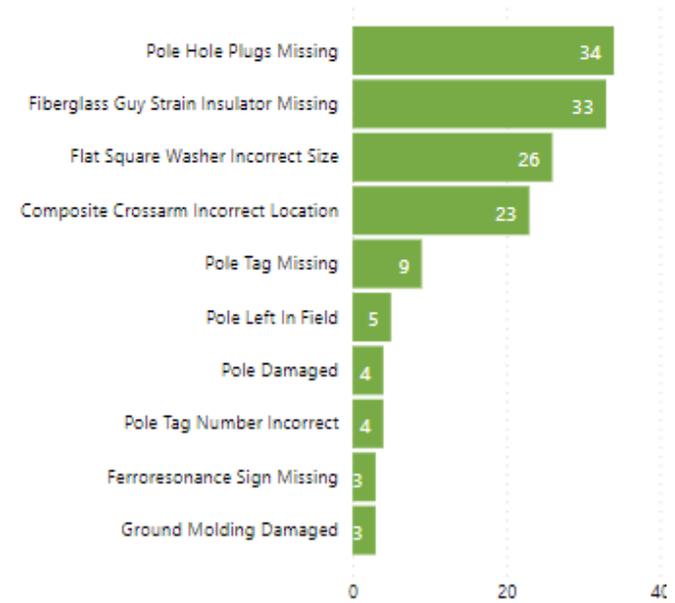
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program Name - REAX Score	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
<b>Distribution Construction (Very High)</b>												
Very High	210	44	79%	100.0%	0	0	47	47	47	0	16	16
High	637	100	84%	98.0%	0	0	111	111	65	5	73	94
Medium	256	34	87%	95.0%	0	0	42	42	26	9	37	46
Low	25	1	96%	95.0%	0	0	1	1	1	0	3	4
<b>Total</b>	<b>1,128</b>	<b>179</b>	<b>84%</b>	<b>97.0%</b>	<b>0</b>	<b>0</b>	<b>201</b>	<b>201</b>	<b>139</b>	<b>14</b>	<b>129</b>	<b>160</b>

# YTD May 2021 QC Results (Dist. Construction) – Orange

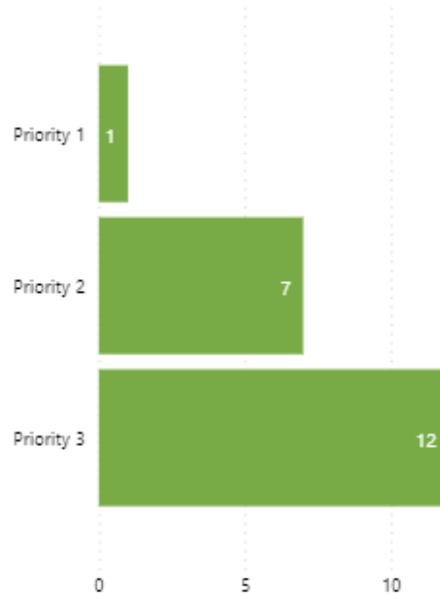
**82**  
Total Inspections

**75**  
Pass Total

**7**  
Potential Non-Conformances

**91%**  
P1 & P2 Total CR%

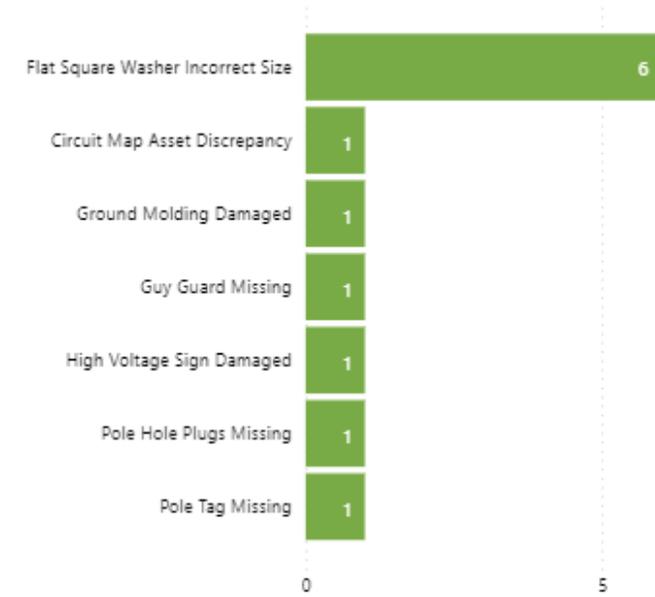
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program Name - REAX Score	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
<b>Distribution Construction (Very High)</b>												
Very High		0			0	0	0	0	0	0	0	0
High	5	0	100%	98.0%	0	0	0	0	0	0	0	0
Medium	31	3	90%	95.0%	1	0	2	3	2	0	4	7
Low	46	4	91%	95.0%	0	0	5	5	1	0	5	5
<b>Total</b>	<b>82</b>	<b>7</b>	<b>91%</b>	<b>96.0%</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>8</b>	<b>3</b>	<b>0</b>	<b>9</b>	<b>12</b>

# YTD May 2021 QC Results (Dist. Construction) – Rurals

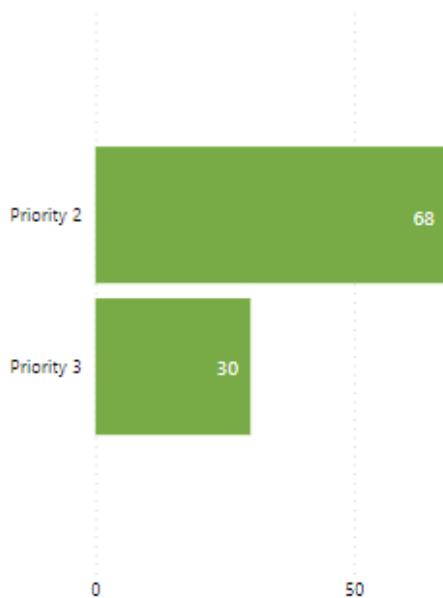
**357**  
Total Inspections

**299**  
Pass Total

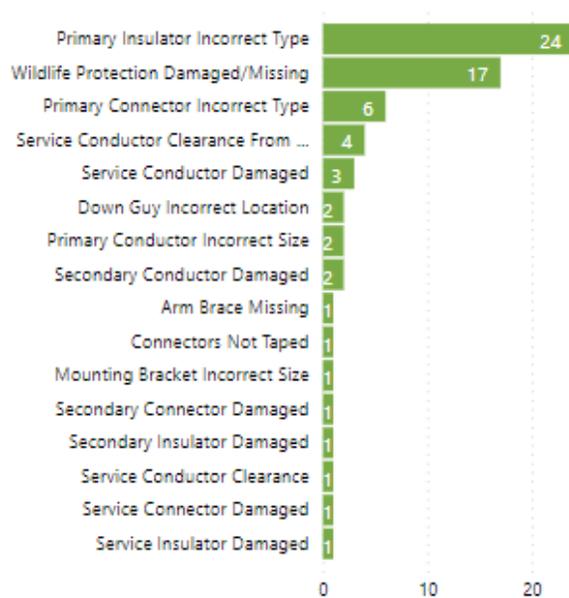
**58**  
Potential Non-Conformances

**84%**  
P1 & P2 Total CR%

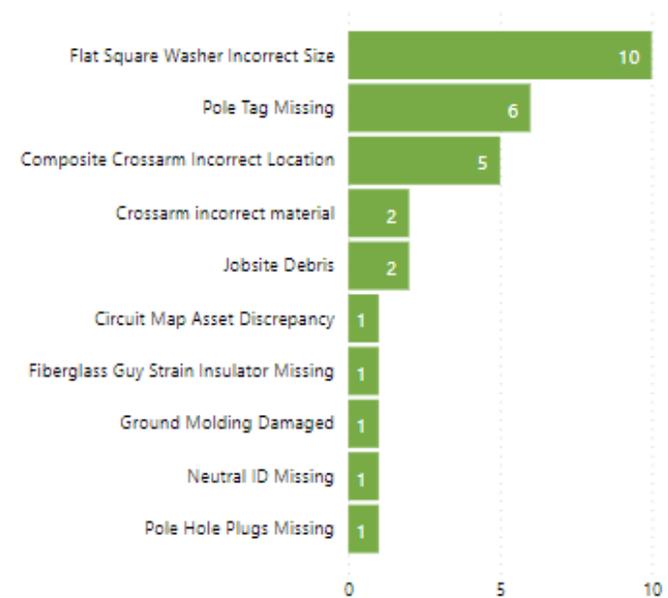
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program Name - REAX Score	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
<b>Distribution Construction (Very High)</b>												
Very High	115	27	77%	100.0%	0	0	34	34	24	5	3	5
High	114	15	87%	98.0%	0	0	18	18	9	1	4	4
Medium	101	12	88%	95.0%	0	0	12	12	7	0	13	17
Low	27	4	85%	95.0%	0	0	4	4	2	0	3	4
<b>Total</b>	<b>357</b>	<b>58</b>	<b>84%</b>	<b>97.0%</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>68</b>	<b>42</b>	<b>6</b>	<b>23</b>	<b>30</b>

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

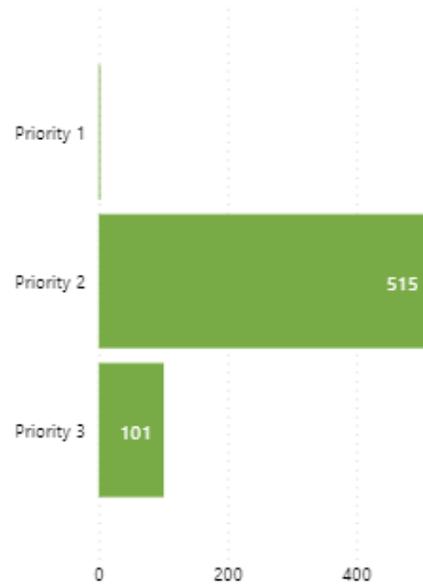
**1,230**  
Total Inspections

**816**  
Pass Total

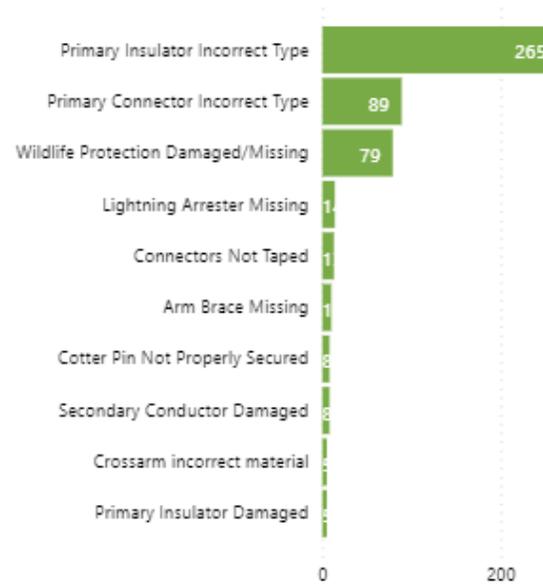
**414**  
Potential Non-Conformances

**66%**  
P1 & P2 Total CR%

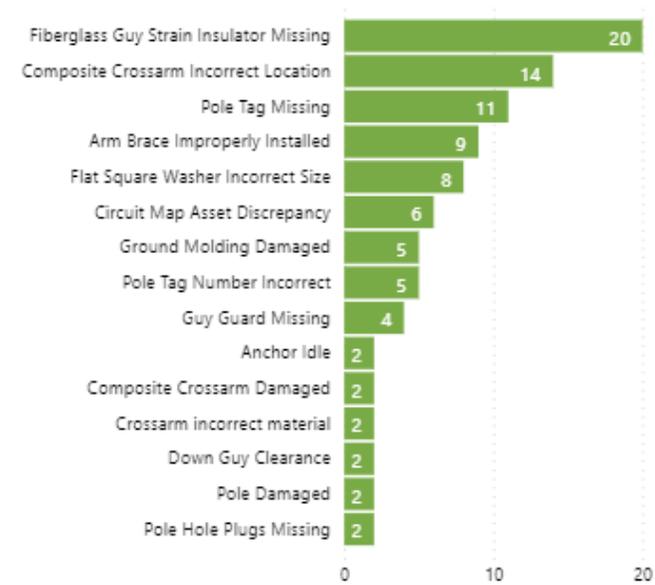
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program Name - REAX Score	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
<b>Distribution Construction (Very High)</b>												
Very High	442	176	60%	100.0%	0	0	215	215	204	19	36	37
High	656	209	68%	98.0%	1	0	266	267	206	27	46	57
Medium	118	28	76%	95.0%	0	0	33	33	25	2	5	5
Low	14	1	93%	95.0%	0	0	1	1	1	0	2	2
<b>Total</b>	<b>1,230</b>	<b>414</b>	<b>66%</b>	<b>97.0%</b>	<b>1</b>	<b>0</b>	<b>515</b>	<b>516</b>	<b>436</b>	<b>48</b>	<b>89</b>	<b>101</b>

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

**39**

Total Inspections

**34**

Pass Total

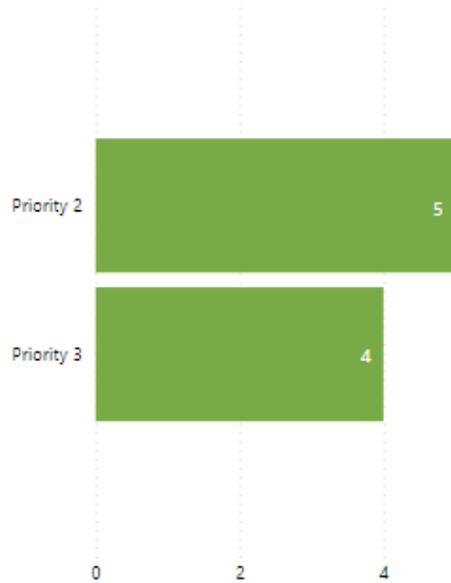
**5**

Potential Non-Conformances

**87%**

P1 & P2 Total CR%

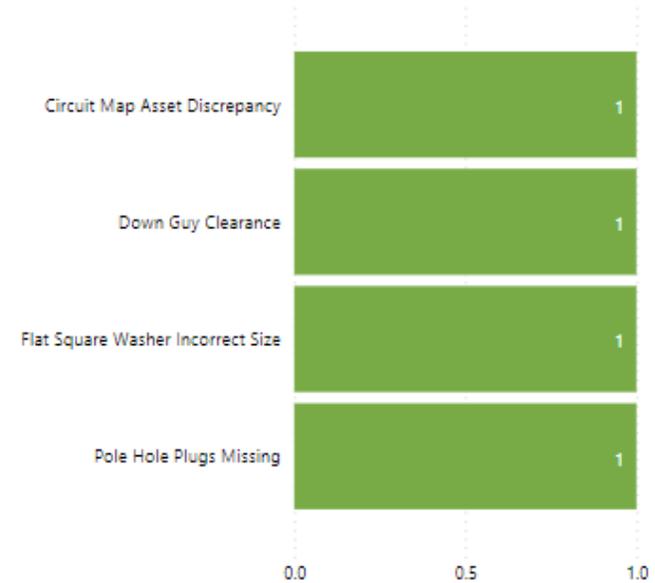
Findings by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories



Program Name - REAX Score	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
<b>Distribution Construction (Very High)</b>												
Very High		0			0	0	0	0	0	0	0	0
High		0			0	0	0	0	0	0	0	0
Medium	23	3	87%	95.0%	0	0	3	3	3	0	2	2
Low	16	2	88%	95.0%	0	0	2	2	2	0	2	2
<b>Total</b>	<b>39</b>	<b>5</b>	<b>87%</b>	<b>95.0%</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>4</b>	<b>4</b>

# 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