

# T&D Quality Programs

District Manager Core Team Meeting  
May 4, 2021



# Program Performance – BI Dashboard thru March 2021

Header	QC Structures Inspected	P1		P2		P3		2021 YTD		2020		Total	
		Count	CR %	Count	CR %	Count	CR %	Open Count	Overdue Count	Open Count	Overdue Count	Open Count	Overdue Count
Distribution Construction	2,006	2	99.9%	680	73.8%	335	87.5%	602	0	595	573	1,197	573
Transmission Construction	277	0	100.0%	7	97.5%	19	93.5%	7	0	15	15	22	15
Aerial Distribution	0	0	0	0	0	0	0	0	0	8	8	8	8
ODI	2,711	2	99.9%	134	95.4%	235	92.1%	61	0	100	100	161	100
Planning	484	52	91.7%	75	86.2%	133	79.8%	127	0	0	0	127	0
Intrusive	256	0	100.0%	5	98.0%	15	94.5%	4	0	1	1	5	1
Generation Inspections	0	0	0	0	0	0	0	0	0	3	3	3	3
TIMP	167	0	100.0%	2	99.4%	1	99.4%	2	0	0	0	2	0

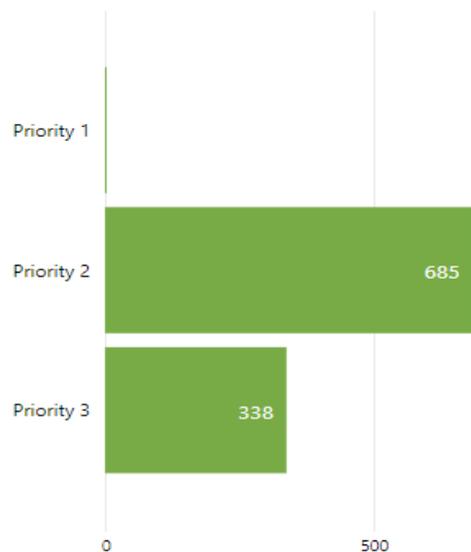
## Other Programs - Not in BI Dashboard

Header	QC Structures Inspected	P1		P2		P3		P1 & P2 Findings	
Program Name		Count	CR %	Count	CR %	Count	CR %	Open Count	Overdue Count
Pole Loading	336	0	100.0%	9	97.3%	0	100.0%	2	0

# Distribution Construction – YTD 2021 Results Through March

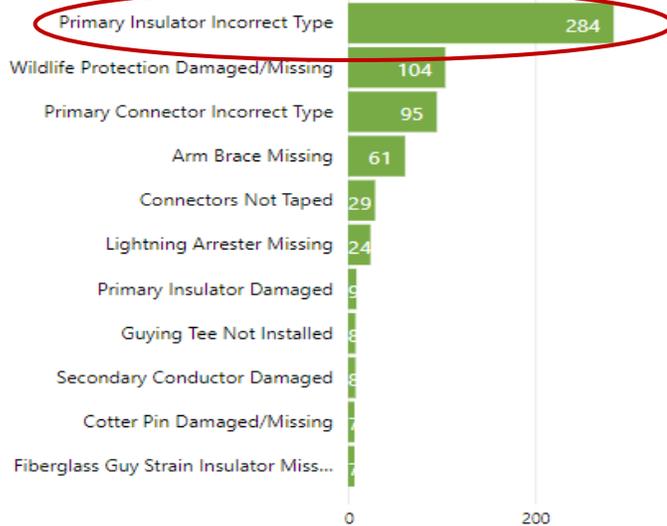
**2,006**  
Total Inspections

Non-Conformances by Priority



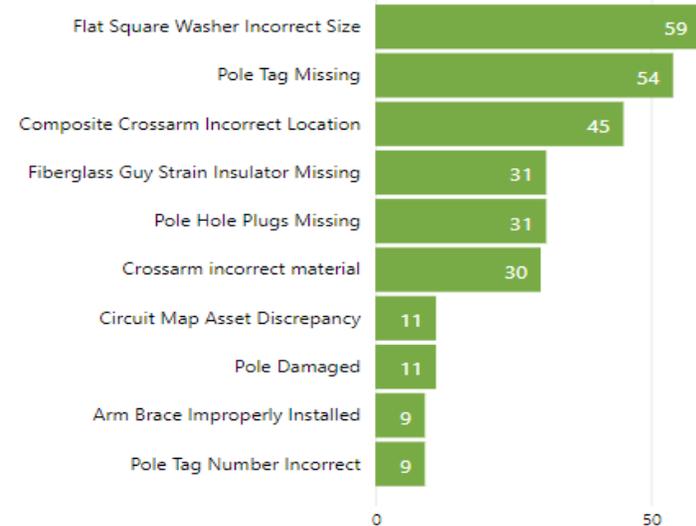
**1,477**  
Pass Total

Top 10 P1 & P2 Finding Categories



**529**  
Potential Non-Conformances

Top 10 P3 Finding Categories



**74%**  
P1 & P2 Total CR%

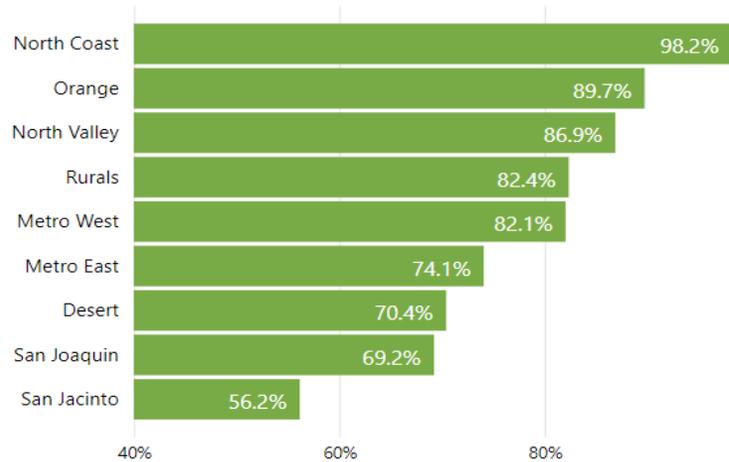
Asset life issue, remediation within 5 years acceptable. Initiated Cause Evaluation, elimination would increase CR score to ~88%

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</b>												
Low	139	13	90.6%	95.0%	0	0	14	14	12	0	11	11
Medium	434	69	84.1%	95.0%	1	0	79	80	65	0	74	95
High	980	263	73.2%	98.0%	1	0	336	337	308	0	128	189
Very High	453	184	59.4%	100.0%	0	0	256	256	250	0	39	43
<b>Total</b>	<b>2,006</b>	<b>529</b>	<b>73.6%</b>		<b>2</b>	<b>0</b>	<b>685</b>	<b>687</b>	<b>635</b>	<b>0</b>	<b>252</b>	<b>338</b>

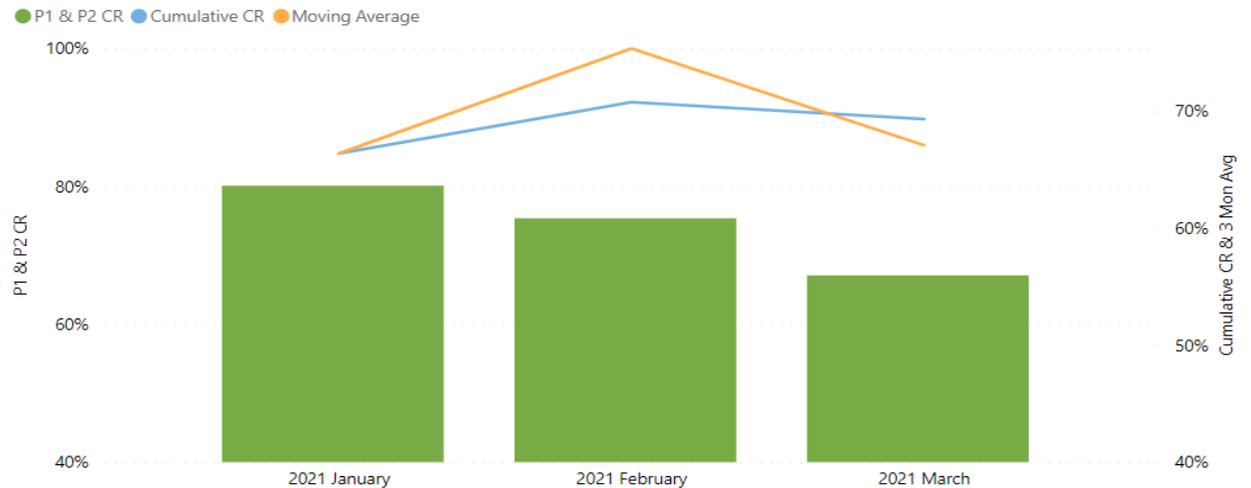
# Distribution Construction – YTD 2021 Results Through March

<b>Total</b>	<b>2,006</b> Total Inspections	<b>1,477</b> Pass Total	<b>529</b> Potential Non-Conformances	<b>74%</b> P1 & P2 Total CR%
<b>SCE</b>	<b>322</b> Total Inspections	<b>291</b> Pass Total	<b>31</b> Potential Non-Conformances	<b>90%</b> P1 & P2 Total CR%
<b>Contractor</b>	<b>1,684</b> Total Inspections	<b>1,186</b> Pass Total	<b>498</b> Potential Non-Conformances	<b>70%</b> P1 & P2 Total CR%

Conformance Rate by Region | District

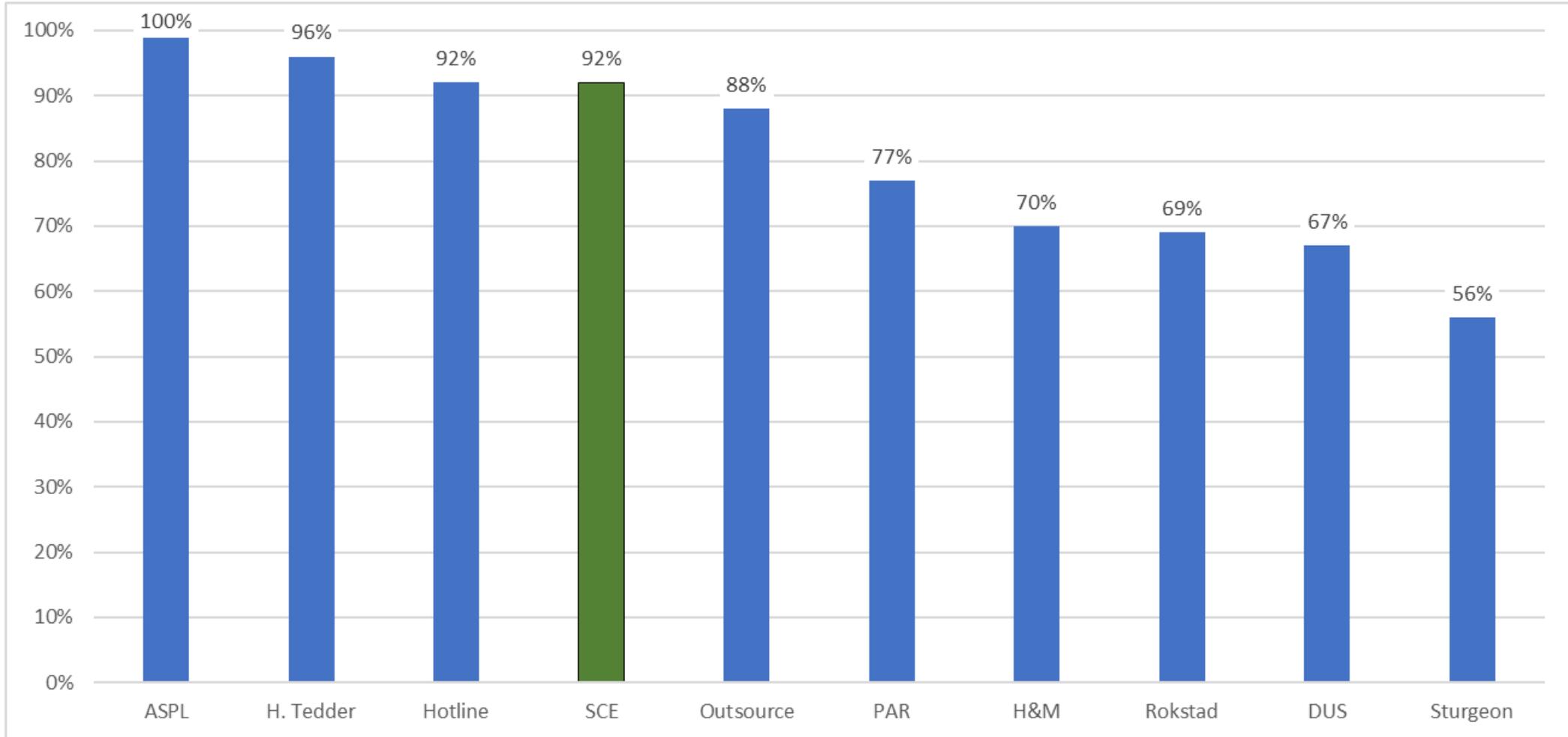


Conformance Rate Trending



# QC Results By Contractor

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



# Overhead Detail Inspection - YTD 2021 Results Through March

**2,711**  
Total Inspections

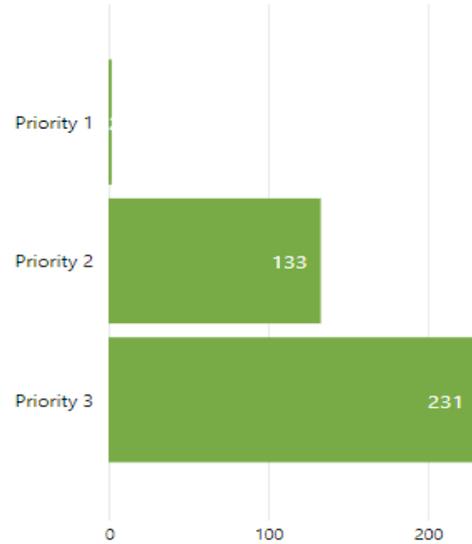
**2,584**  
Pass Total

**127**  
Potential Non-Conformances

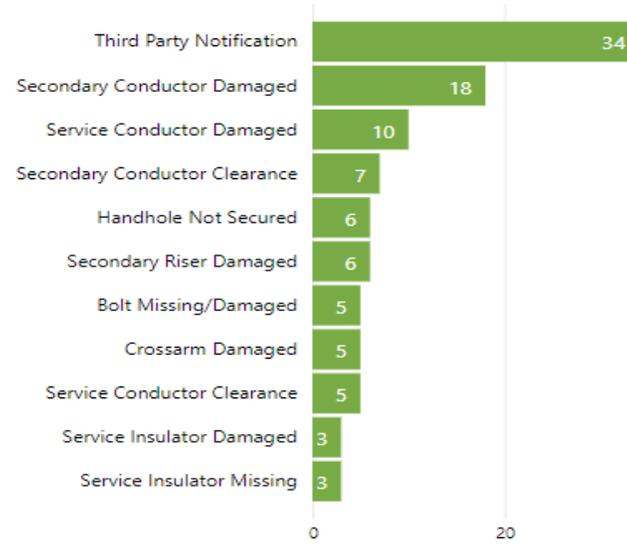
**95%**  
P1 & P2 Total CR%

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

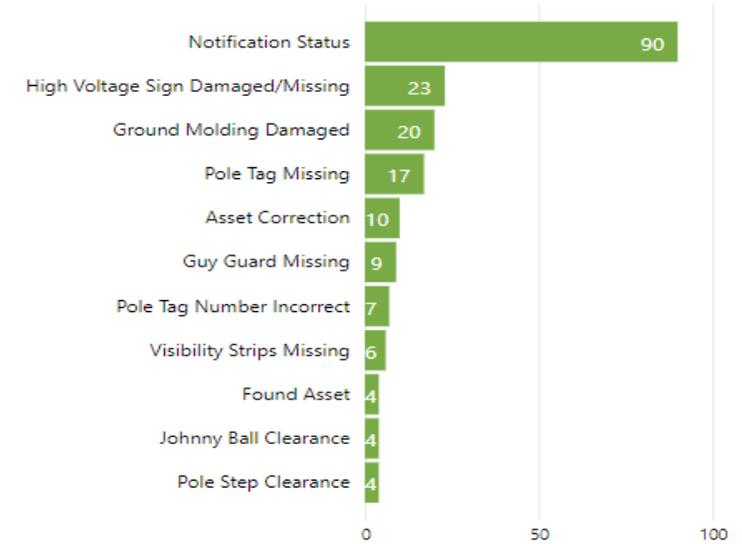
Non-Conformances by Priority



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>ODI (High)</b>												
Low	948	42	95.6%	90.0%	0	0	43	43	32	0	79	85
Medium	840	62	92.6%	95.0%	2	0	67	69	14	0	66	79
High	891	22	97.5%	95.0%	0	0	22	22	14	0	63	66
Very High	32	1	96.9%	98.0%	0	0	1	1	0	0	1	1
<b>Total</b>	<b>2,711</b>	<b>127</b>	<b>95.3%</b>		<b>2</b>	<b>0</b>	<b>133</b>	<b>135</b>	<b>60</b>	<b>0</b>	<b>209</b>	<b>231</b>

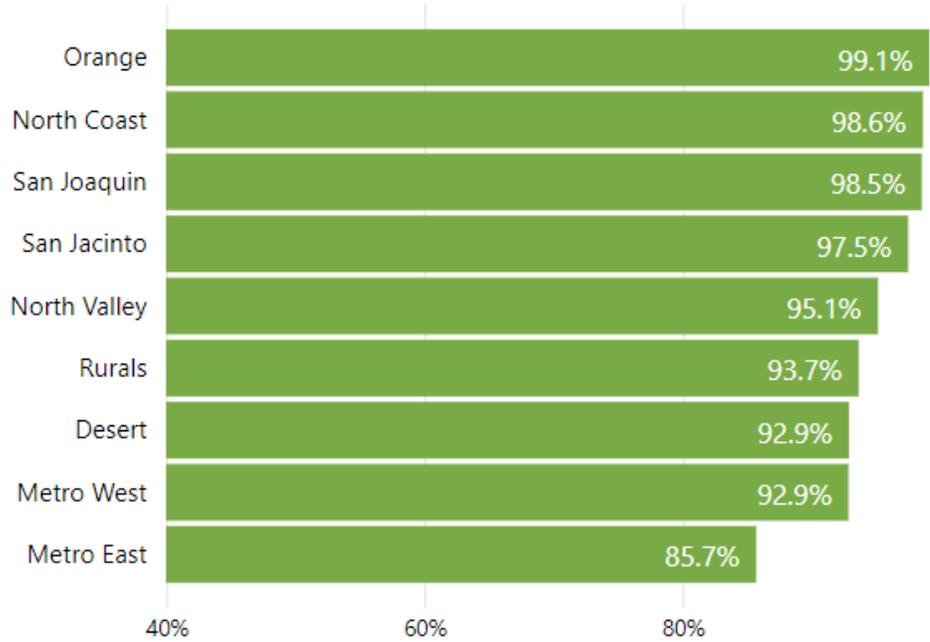
# ODI – YTD 2021 Results Through March

**Total**      **2,711**                      **2,583**                      **128**                      **95%**

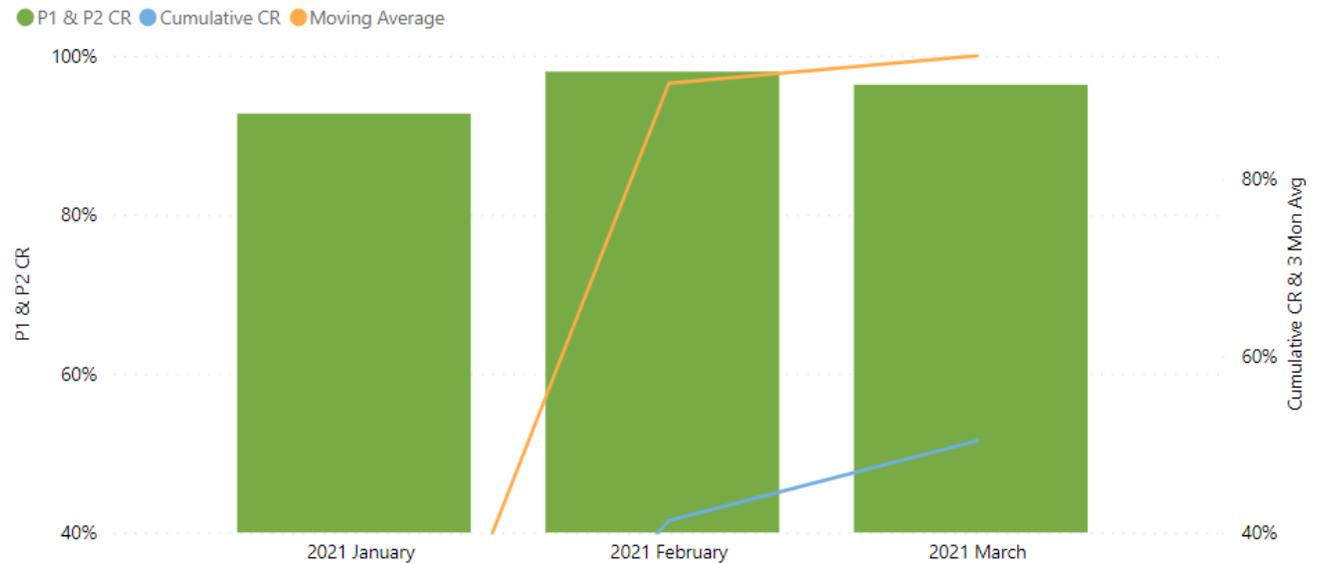
**SCE**              **1,725**                      **1,617**                      **108**                      **94%**

**Contractor**      **986**                      **966**                      **20**                      **98%**  
 Total Inspections      Pass Total                      Potential Non-Conformances                      P1 & P2 Total CR%

Conformance Rate by Region | District



Conformance Rate Trending



# APPENDIX



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

**807**

Total Inspections

**469**

Pass Total

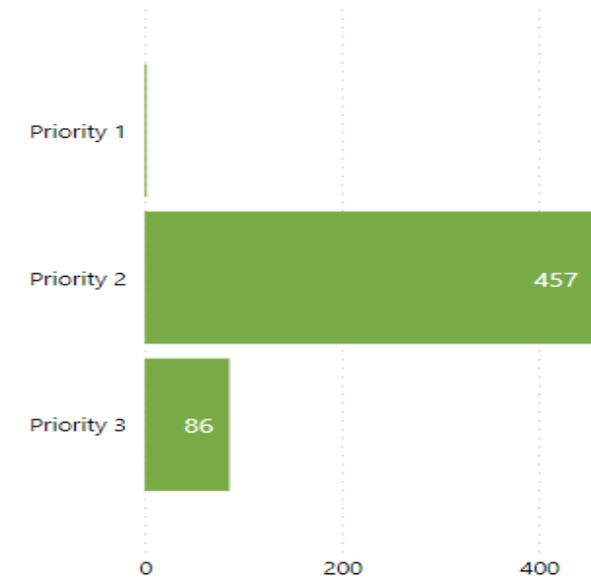
**338**

Potential Non-Conformances

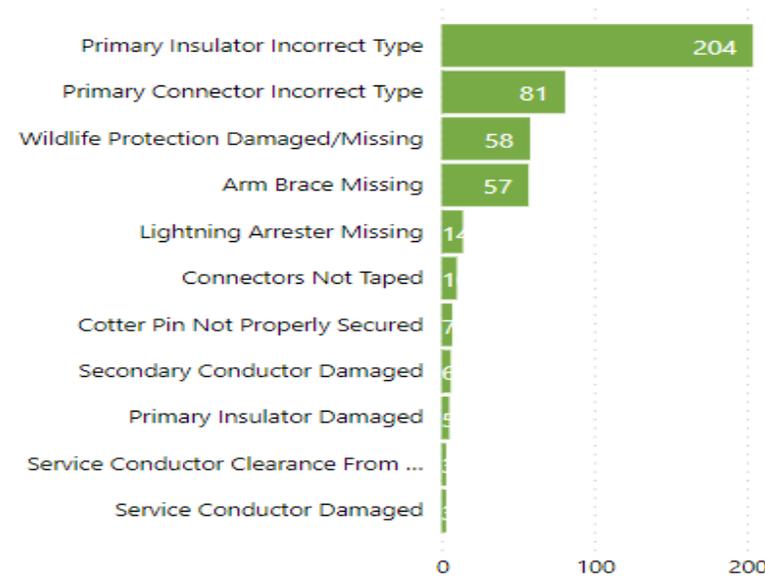
**58%**

P1 & P2 Total CR%

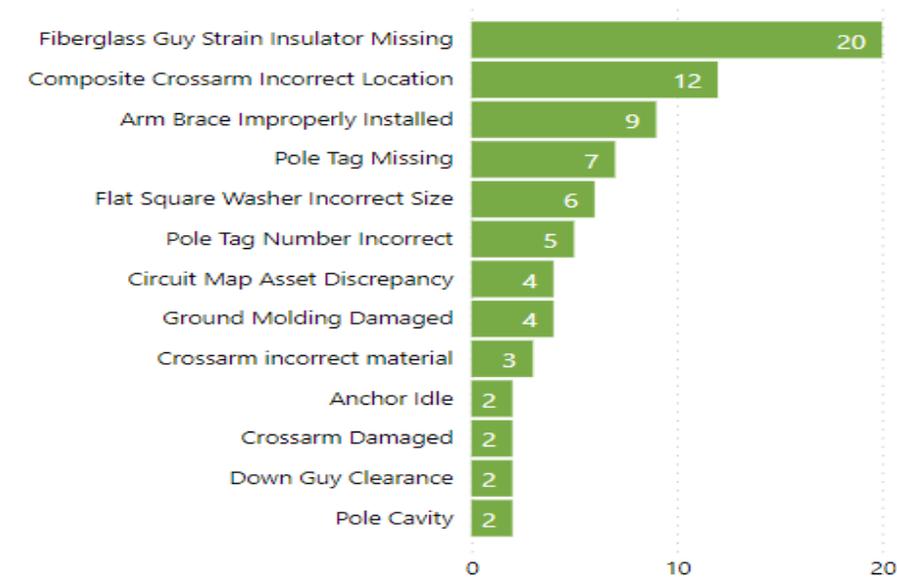
Non-Conformances by Priority



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
<b>Distribution Construction (Very High)</b>											
Very High	354	172	51%	100.0%	0	0	233	233	222	5	29
High	407	155	62%	98.0%	1	0	212	213	177	9	44
Medium	39	10	74%	95.0%	0	0	11	11	10	0	0
Low	7	1	86%	95.0%	0	0	1	1	1	0	1
<b>Total</b>	<b>807</b>	<b>338</b>	<b>58%</b>	<b>97.0%</b>	<b>1</b>	<b>0</b>	<b>457</b>	<b>458</b>	<b>410</b>	<b>14</b>	<b>74</b>

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

**169**  
Total Inspections

**119**  
Pass Total

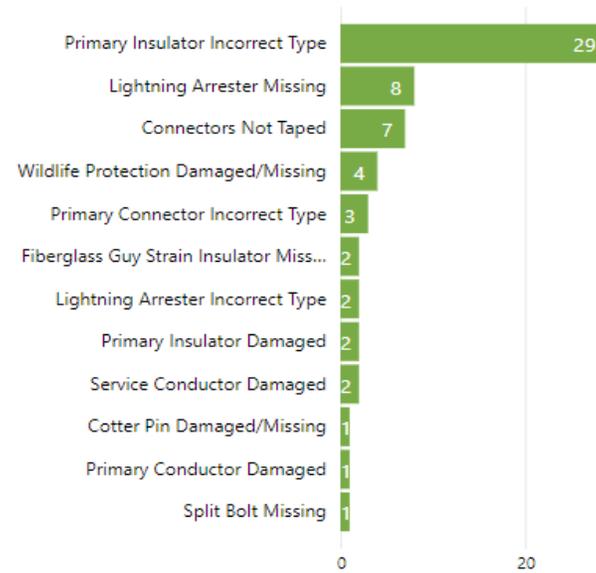
**50**  
Potential Non-Conformances

**70%**  
P1 & P2 Total CR%

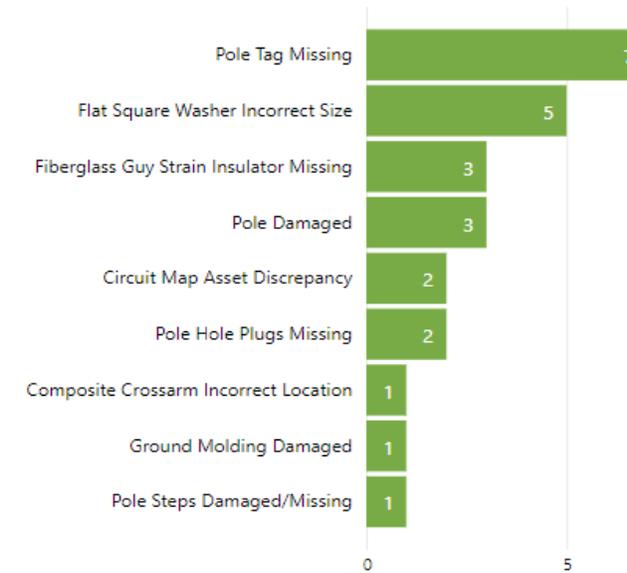
Non-Conformances by Priority



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</b>												
Low	17	1	94.1%	95.0%	0	0	1	1	0	0	0	0
Medium	60	14	76.7%	95.0%	1	0	14	15	9	0	9	9
High	51	16	68.6%	98.0%	0	0	19	19	7	0	6	7
Very High	41	19	53.7%	100.0%	0	0	27	27	26	0	8	9
<b>Total</b>	<b>169</b>	<b>50</b>	<b>70.4%</b>		<b>1</b>	<b>0</b>	<b>61</b>	<b>62</b>	<b>42</b>	<b>0</b>	<b>23</b>	<b>25</b>

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

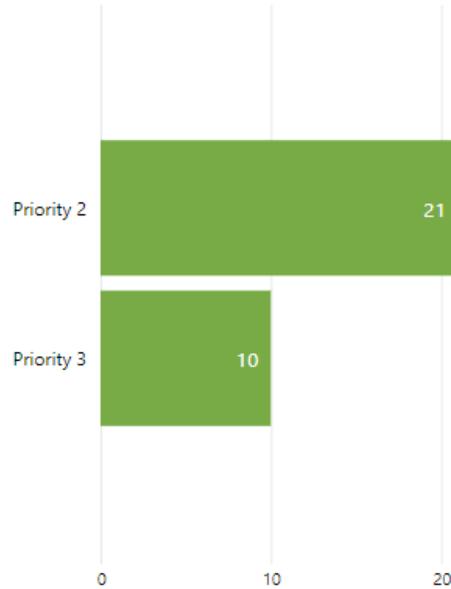
**81**  
Total Inspections

**61**  
Pass Total

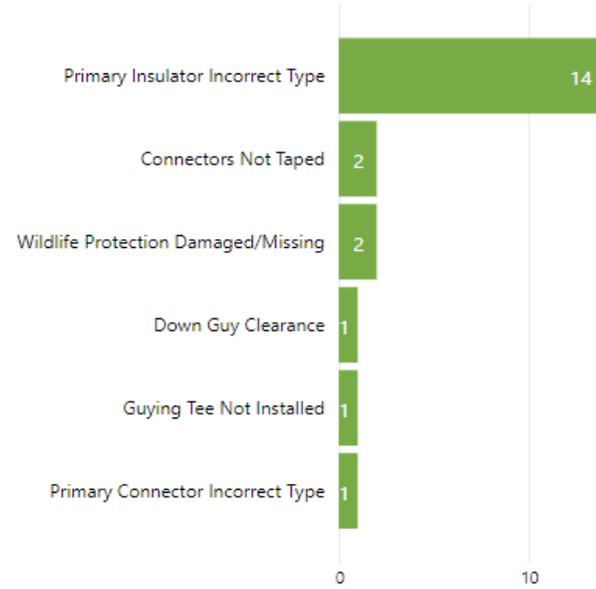
**20**  
Potential Non-Conformances

**75%**  
P1 & P2 Total CR%

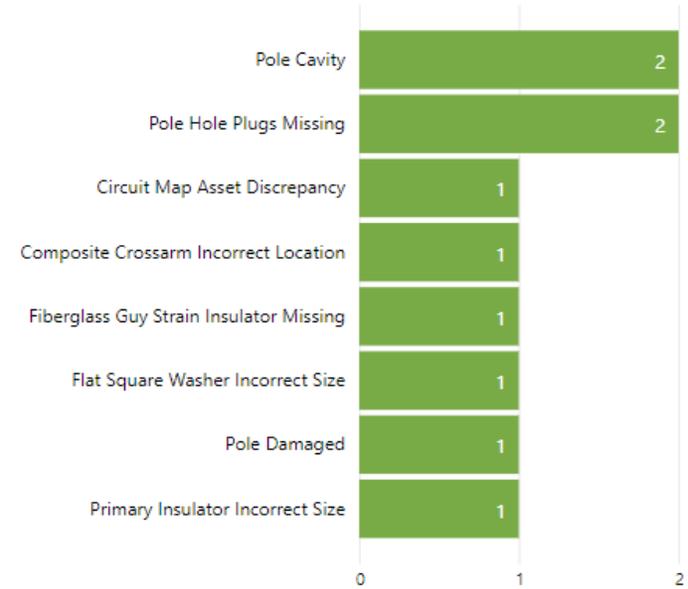
Non-Conformances by Priority



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</b>												
Low	25	1	96.0%	95.0%	0	0	1	1	1	0	1	1
Medium	37	7	81.1%	95.0%	0	0	7	7	6	0	7	8
High	16	10	37.5%	98.0%	0	0	11	11	11	0	1	1
Very High	3	2	33.3%	100.0%	0	0	2	2	2	0	0	0
<b>Total</b>	<b>81</b>	<b>20</b>	<b>75.3%</b>		<b>0</b>	<b>0</b>	<b>21</b>	<b>21</b>	<b>20</b>	<b>0</b>	<b>9</b>	<b>10</b>

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

**39**  
Total Inspections

**32**  
Pass Total

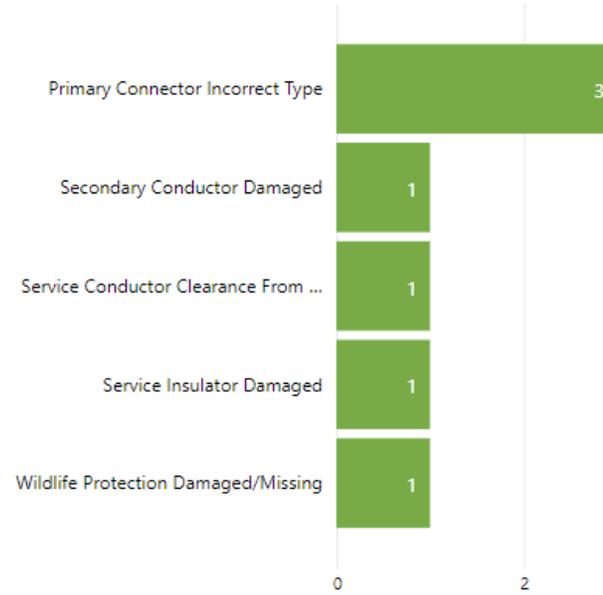
**7**  
Potential Non-Conformances

**82%**  
P1 & P2 Total CR%

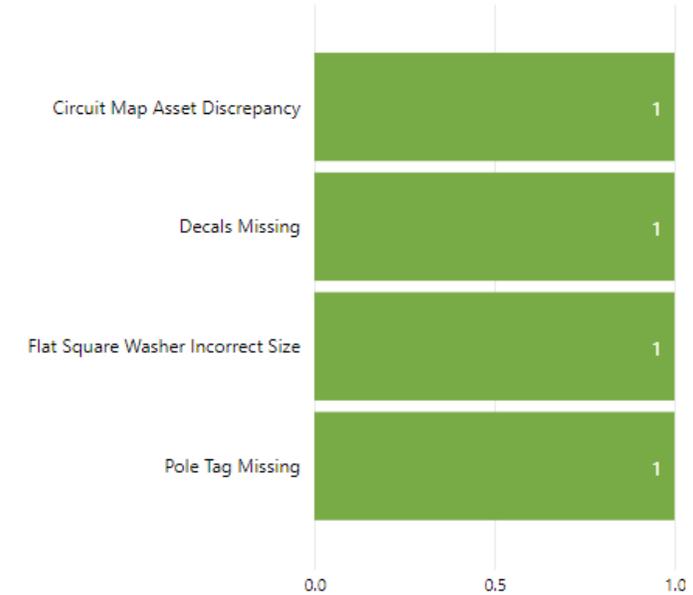
Non-Conformances by Priority



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</b>												
Low	31	5	83.9%	95.0%	0	0	5	5	5	0	3	3
Medium	8	2	75.0%	95.0%	0	0	2	2	2	0	1	1
High		0			0	0	0	0	0	0	0	0
Very High		0			0	0	0	0	0	0	0	0
<b>Total</b>	<b>39</b>	<b>7</b>	<b>82.1%</b>		<b>0</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>4</b>	<b>4</b>

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

**169**

Total Inspections

**166**

Pass Total

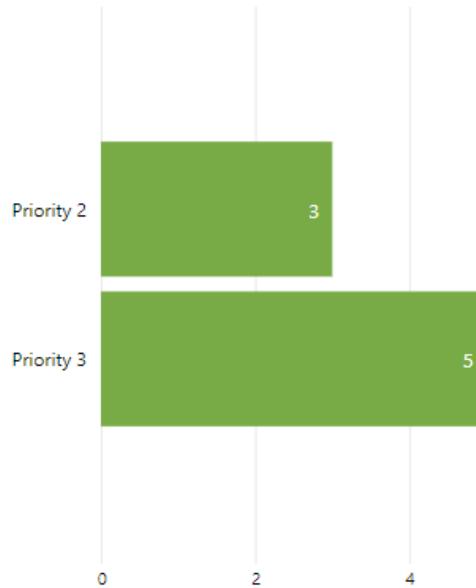
**3**

Potential Non-Conformances

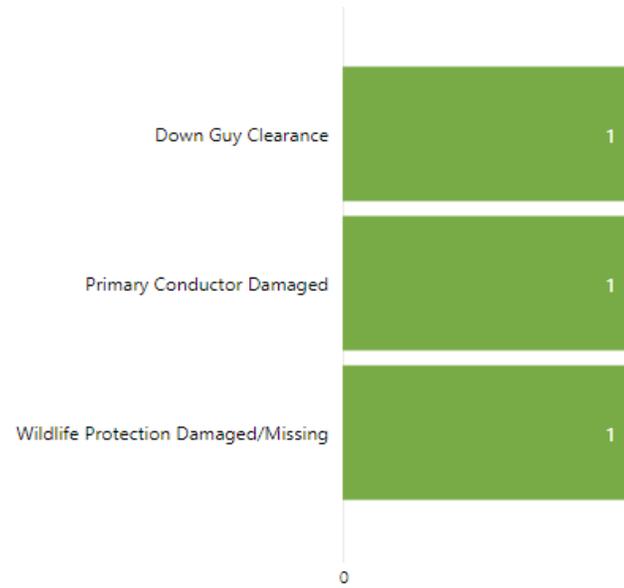
**98%**

P1 & P2 Total CR%

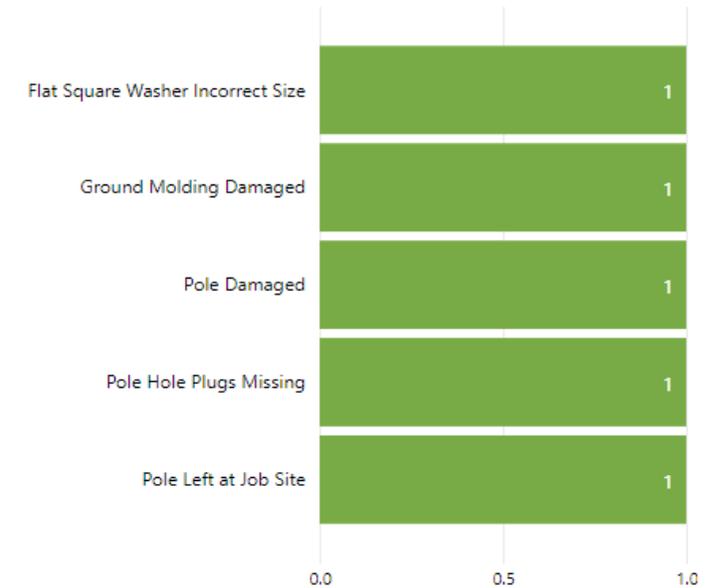
Non-Conformances by Priority



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</b>												
Low	9	2	77.8%	95.0%	0	0	2	2	1	0	0	0
Medium	78	1	98.7%	95.0%	0	0	1	1	1	0	3	3
High	70	0	100.0%	98.0%	0	0	0	0	0	0	2	2
Very High	12	0	100.0%	100.0%	0	0	0	0	0	0	0	0
<b>Total</b>	<b>169</b>	<b>3</b>	<b>98.2%</b>		<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>5</b>

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

**572**

Total Inspections

**497**

Pass Total

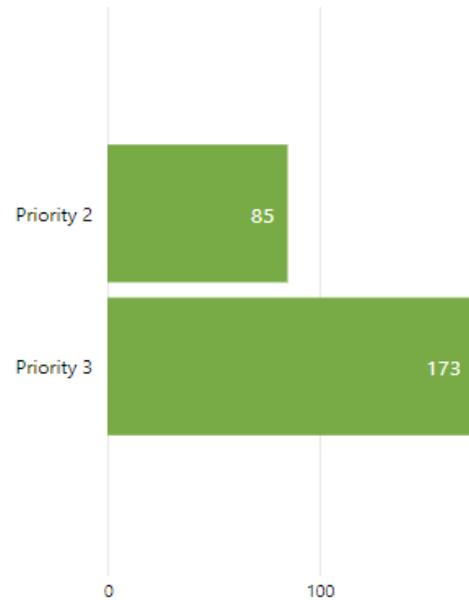
**75**

Potential Non-Conformances

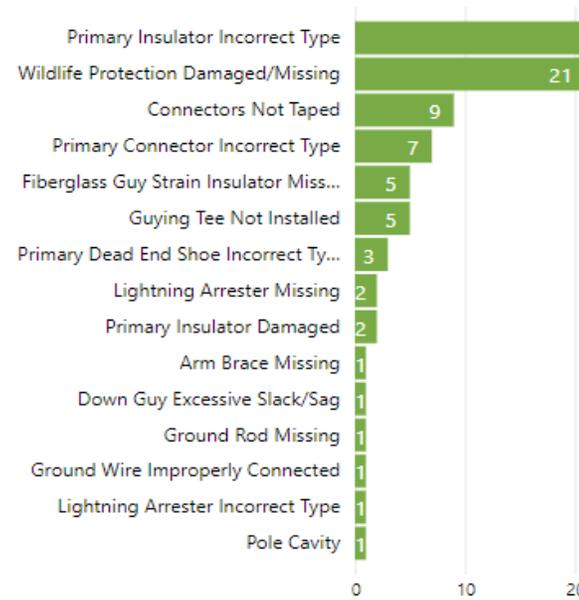
**87%**

P1 & P2 Total CR%

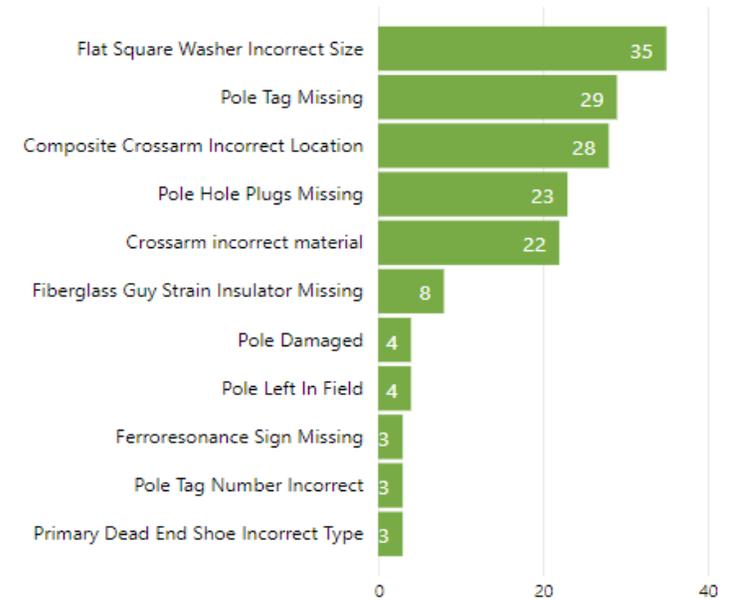
Non-Conformances by Priority



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</b>												
Low	8	0	100.0%	95.0%	0	0	0	0	0	0	0	0
Medium	136	20	85.3%	95.0%	0	0	25	25	20	0	36	49
High	374	51	86.4%	98.0%	0	0	56	56	50	0	73	121
Very High	54	4	92.6%	100.0%	0	0	4	4	4	0	3	3
<b>Total</b>	<b>572</b>	<b>75</b>	<b>86.9%</b>		<b>0</b>	<b>0</b>	<b>85</b>	<b>85</b>	<b>74</b>	<b>0</b>	<b>112</b>	<b>173</b>

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

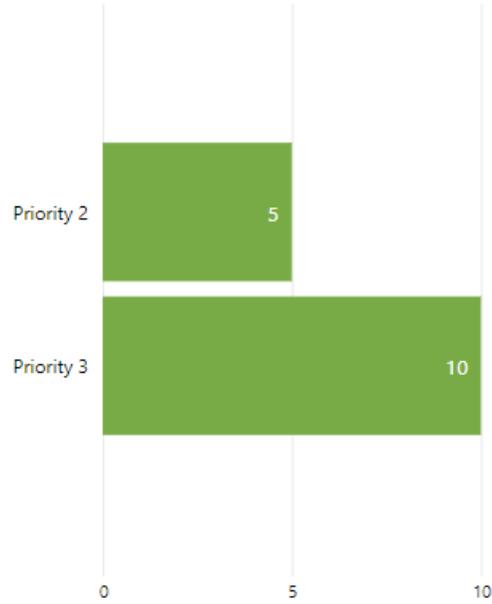
**39**  
Total Inspections

**35**  
Pass Total

**4**  
Potential Non-Conformances

**90%**  
P1 & P2 Total CR%

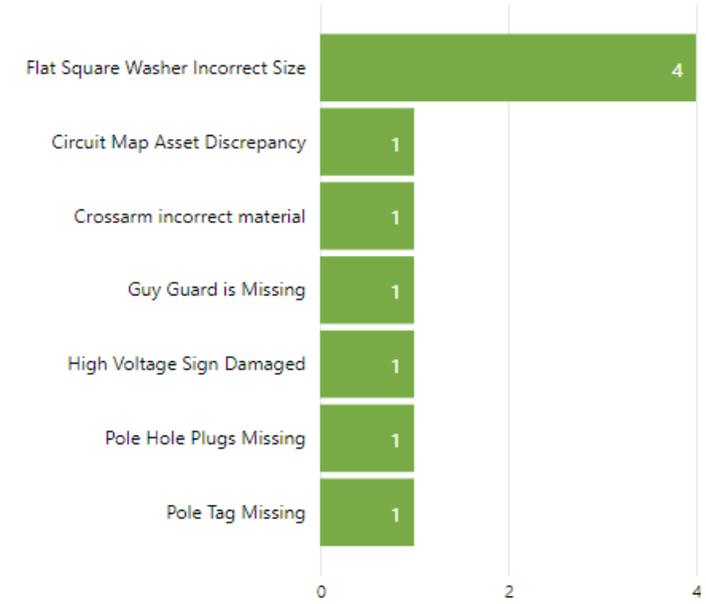
Non-Conformances by Priority



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</b>												
Low	24	2	91.7%	95.0%	0	0	3	3	3	0	3	3
Medium	15	2	86.7%	95.0%	0	0	2	2	2	0	4	7
High		0			0	0	0	0	0	0	0	0
Very High		0			0	0	0	0	0	0	0	0
<b>Total</b>	<b>39</b>	<b>4</b>	<b>89.7%</b>		<b>0</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>7</b>	<b>10</b>

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

**153**

Total Inspections

**126**

Pass Total

**27**

Potential Non-Conformances

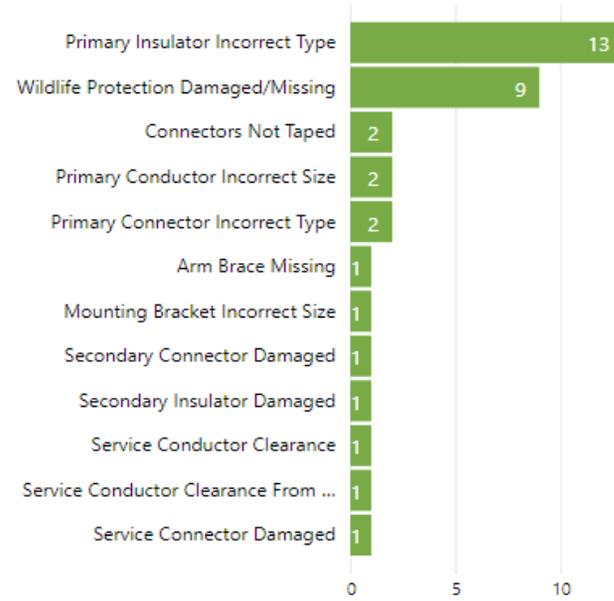
**82%**

P1 & P2 Total CR%

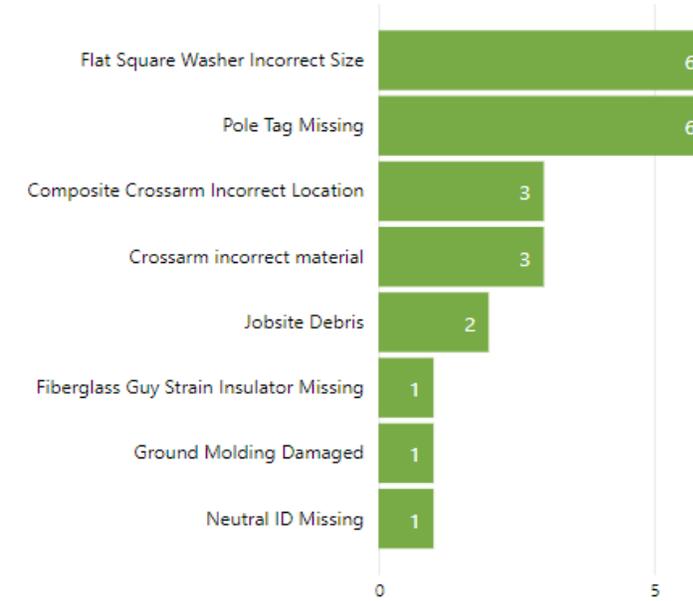
Non-Conformances by Priority



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</b>												
Low	12	0	100.0%	95.0%	0	0	0	0	0	0	2	2
Medium	45	4	91.1%	95.0%	0	0	4	4	1	0	8	11
High	40	10	75.0%	98.0%	0	0	14	14	11	0	4	5
Very High	56	13	76.8%	100.0%	0	0	17	17	10	0	3	5
<b>Total</b>	<b>153</b>	<b>27</b>	<b>82.4%</b>		<b>0</b>	<b>0</b>	<b>35</b>	<b>35</b>	<b>22</b>	<b>0</b>	<b>17</b>	<b>23</b>

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

**771**

Total Inspections

**433**

Pass Total

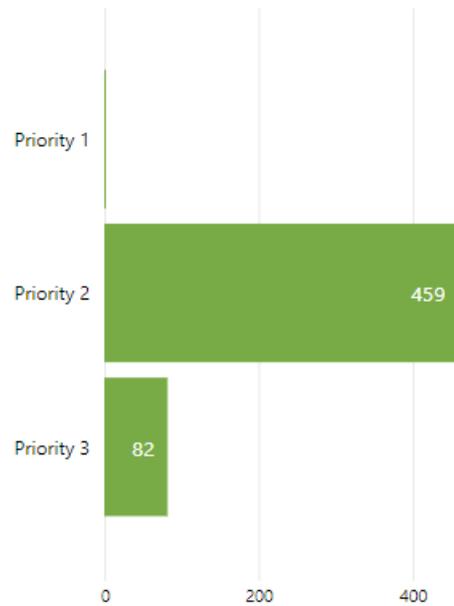
**338**

Potential Non-Conformances

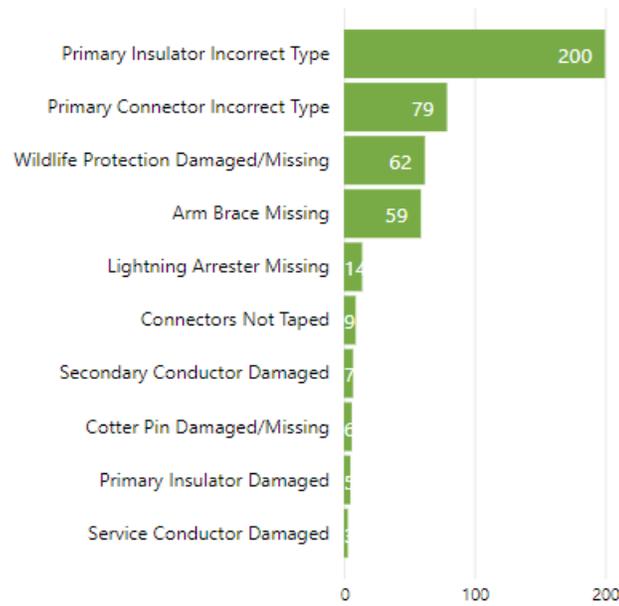
**56%**

P1 & P2 Total CR%

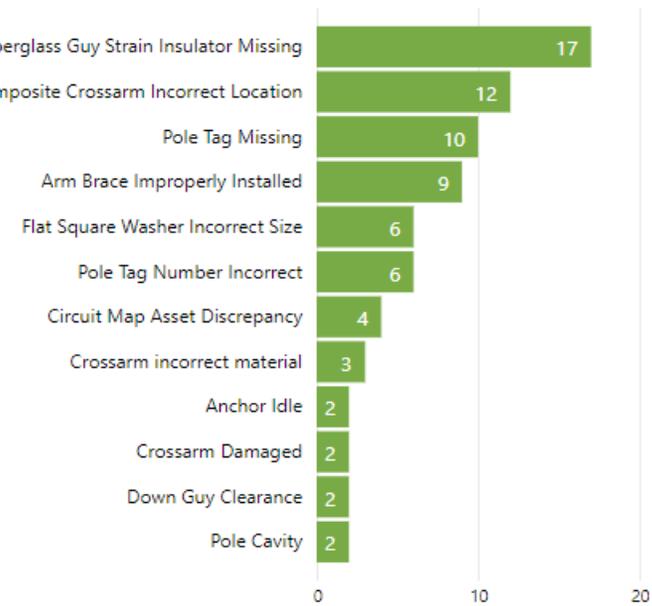
Non-Conformances by Priority



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</b>												
Low	10	1	90.0%	95.0%	0	0	1	1	1	0	2	2
Medium	45	15	66.7%	95.0%	0	0	18	18	18	0	2	2
High	429	176	59.0%	98.0%	1	0	235	236	206	0	41	52
Very High	287	146	49.1%	100.0%	0	0	205	205	201	0	25	26
<b>Total</b>	<b>771</b>	<b>338</b>	<b>56.2%</b>		<b>1</b>	<b>0</b>	<b>459</b>	<b>460</b>	<b>426</b>	<b>0</b>	<b>70</b>	<b>82</b>

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

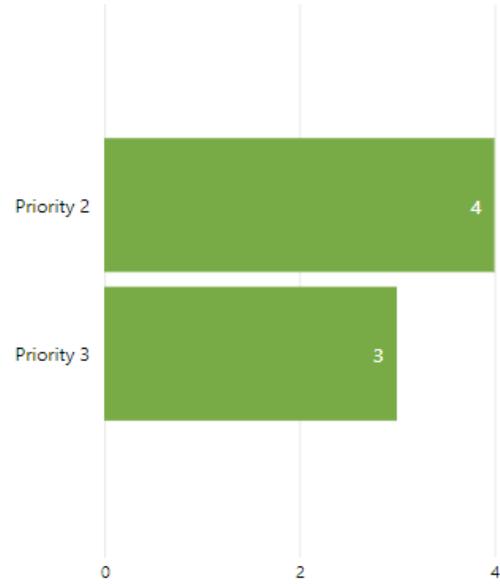
**13**  
Total Inspections

**9**  
Pass Total

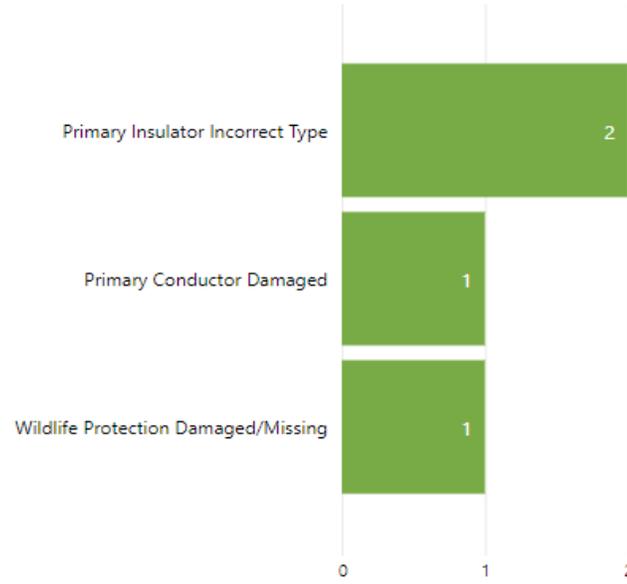
**4**  
Potential Non-Conformances

**69%**  
P1 & P2 Total CR%

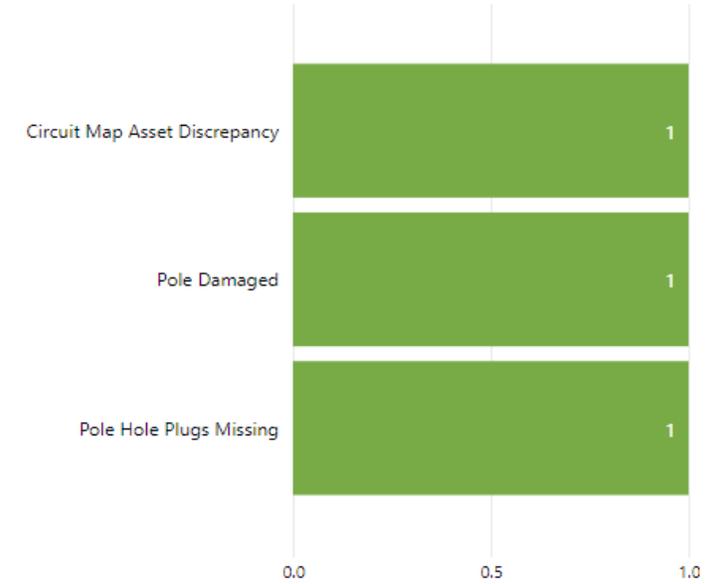
Non-Conformances by Prio



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</b>												
Low	3	1	66.7%	95.0%	0	0	1	1	1	0	0	0
Medium	10	3	70.0%	95.0%	0	0	3	3	3	0	3	3
High		0			0	0	0	0	0	0	0	0
Very High		0			0	0	0	0	0	0	0	0
<b>Total</b>	<b>13</b>	<b>4</b>	<b>69.2%</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>3</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