T&D SLT Quality Program Update

March 2021

Quality Update – Highlights

Distribution Construction Program

- *"Primary Insulator Incorrect Type"* remains as top finding
  - Resolving this one issue would improve the overall CR to ~90%
- Conformance rate for North Coast Region ~90%, San Jacinto ~55%
  - Approximately 2/3 of the QC inspections were performed in these two regions (826 out of 1225)
  - QC Information Session held with San Jacinto Region on 3/25/21

Quality Program Targets for 2021 (Tier 1 Metrics)

- Distribution Construction target 90% (+/- 5%) – Not meeting target
- Transmission Construction target 94% (+/- 4%) – Meeting target
- ODI target 97% (+/- 1%) – Not meeting target (performance in February was 98%)
- Vegetation Management CCD target 95% (+/- 4%) – Meeting target

Risk Ranking Reassessment

- Quality collaborated with ERM and AMSE to update the 2021 Quality Program rankings and sampling targets
- Currently working to transition programs from REAX to Technosylva data

QC Results thru February 2021

Header	QC Structures Inspected	P1		P2		P3		P1 & P2 Findings	
Program Name		Count	CR %	Count	CR %	Count	CR %	Open Count	Overdue Count
Distribution Construction	1,225	2	99.8%	367	76.2%	245	85.7%	366	0
Transmission Construction	86	0	100.0%	1	98.8%	1	98.8%	1	0
Aerial Distribution	0	0	0	0	0	0	0	0	0
ODI	2,246	2	99.9%	117	95.1%	207	91.8%	96	0
Planning	304	38	90.5%	25	92.8%	94	77.3%	62	0
Intrusive	147	0	100.0%	2	98.6%	5	96.6%	2	0
GOCI	0	0	0	0	0	0	0	0	0
TIMP	0	0	0	0	0	0	0	0	0

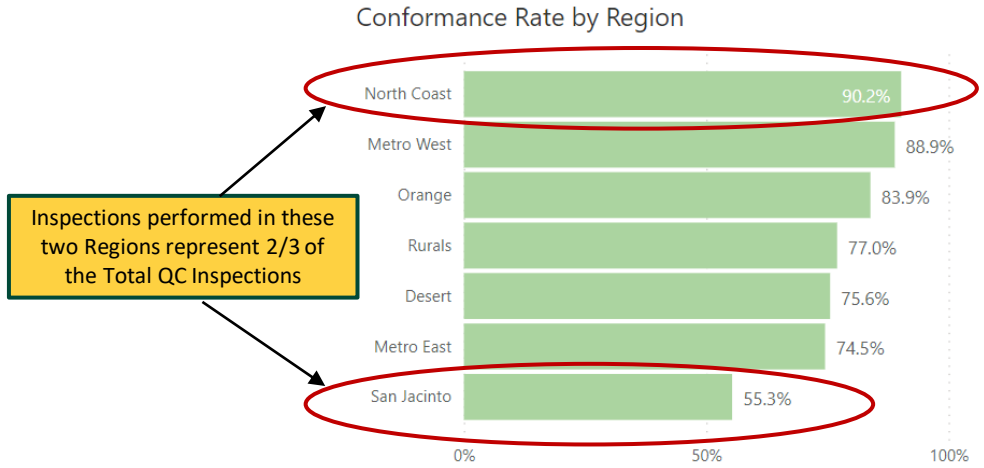
Inspections starting in March

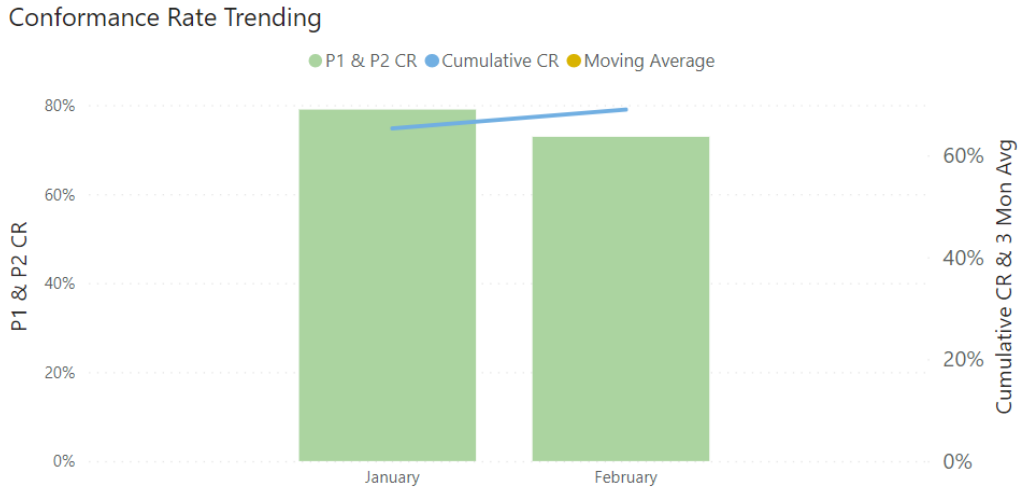
Other Programs - Not in BI Dashboard

Header	QC Structures Inspected	P1		P2		P3		P1 & P2 Findings	
Program Name		Count	CR %	Count	CR %	Count	CR %	Open Count	Overdue Count
Pole Loading	256	0	100.0%	7	97.3%	0	100.0%	1	0

QC Results thru February 2021 (Dist. Construction)

Total	1,225 Total Inspections	931 Pass Total	294 Potential Non-Conformances	76.0% P1 & P2 Total CR%
SCE	198 Total Inspections	182 Pass Total	16 Potential Non-Conformances	91.9% P1 & P2 Total CR%
Contractor	1,027 Total Inspections	749 Pass Total	278 Potential Non-Conformances	72.9% P1 & P2 Total CR%





Distribution Construction – YTD February Results

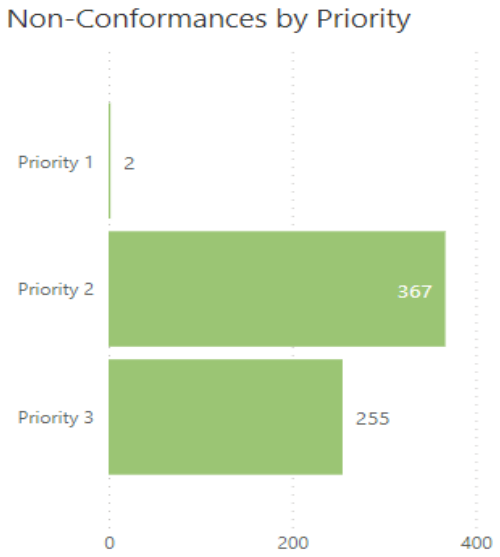
1,225 Total Inspections

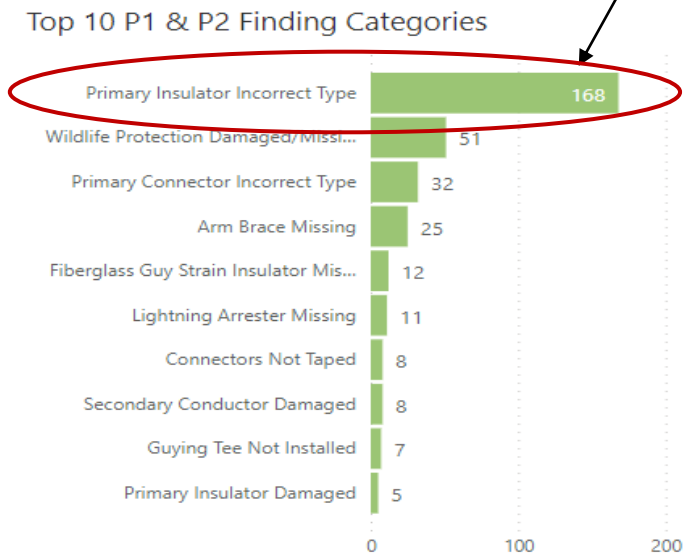
931 Pass Total

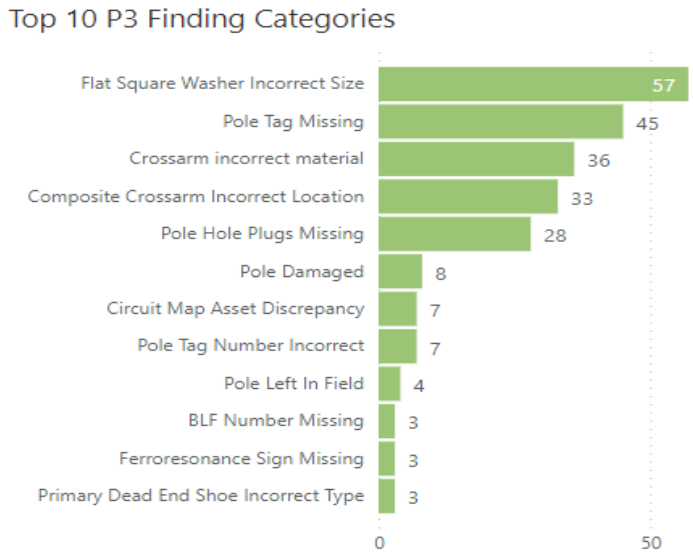
294 Potential Non-Conformances

76.0% P1 & P2 Total CR%

Initiated Cause Evaluation: elimination would increase CR score to ~90%



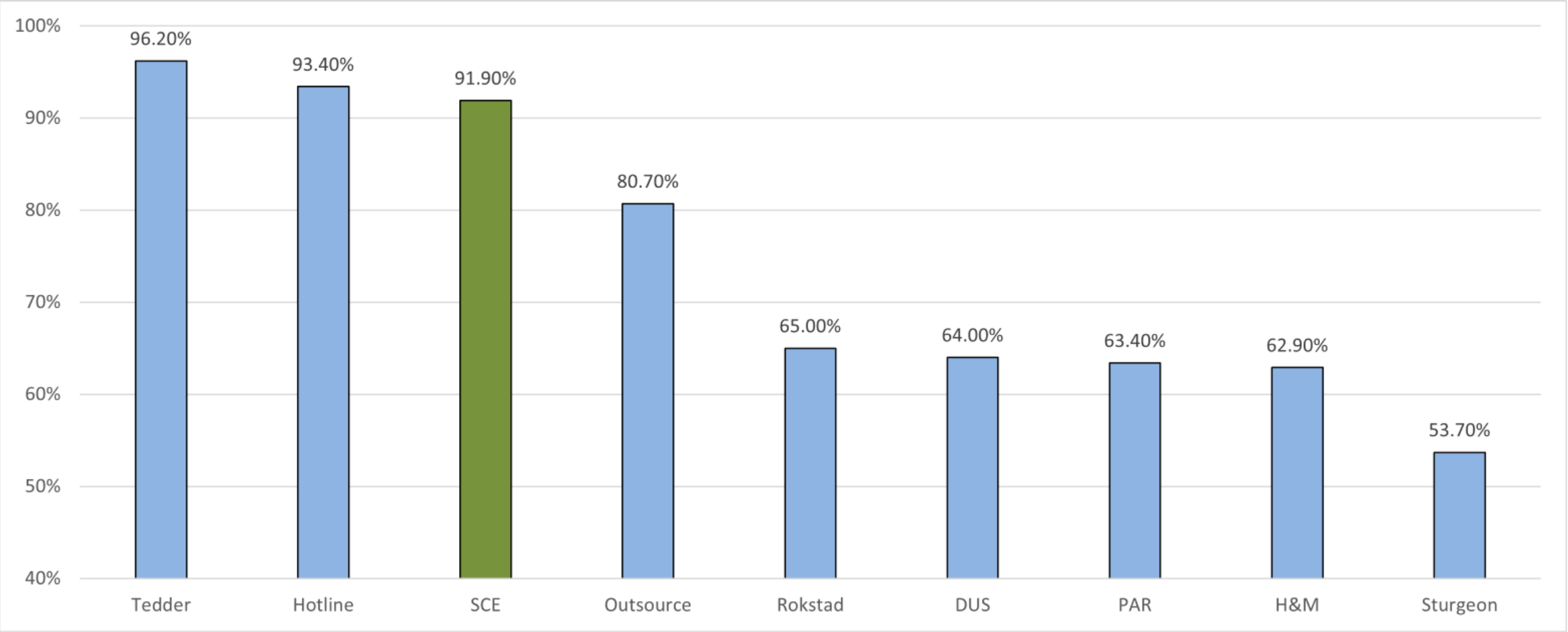




	FLOCS				P1 & P2 Findings						P3 Findings	
Program Name - REAX Score	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
Distribution Construction (Very High)												
Very High	213	67	68.5%	100.0%	0	0	79	79	79	0	10	13
High	615	169	72.5%	98.0%	1	0	223	224	223	0	100	149
Medium	296	48	83.8%	95.0%	1	0	53	54	53	0	58	76
Low	101	10	90.1%	95.0%	0	0	12	12	12	0	14	17
Total	**1,225**	**294**	**76.0%**		**2**	**0**	**367**	**369**	**367**	**0**	**182**	**255**

QC Results By Contractor

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



ODI - YTD February Results

2,246
Total Inspections

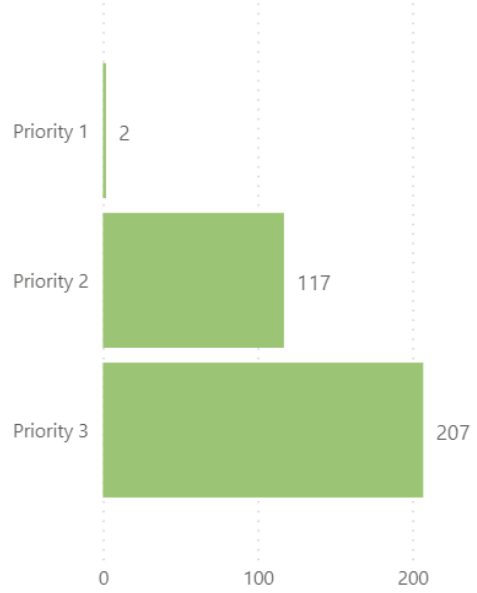
2,135
Pass Total

111
Potential Non-Conformances

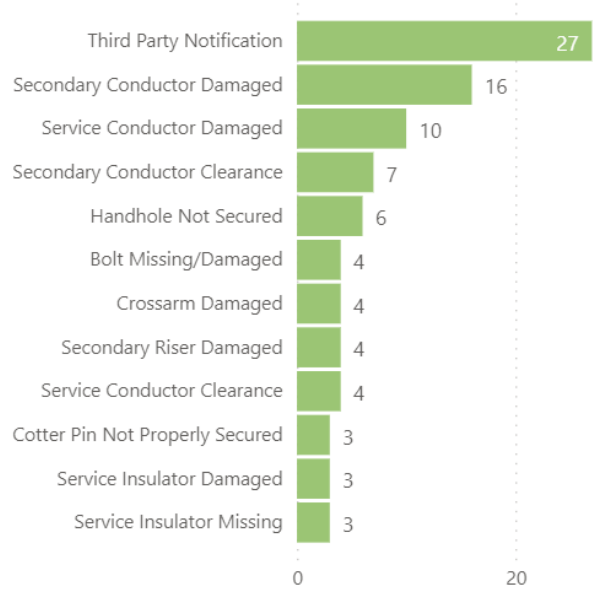
95.1%
P1 & P2 Total CR%

Performance in February was 98%. Tier 1 Target 97%

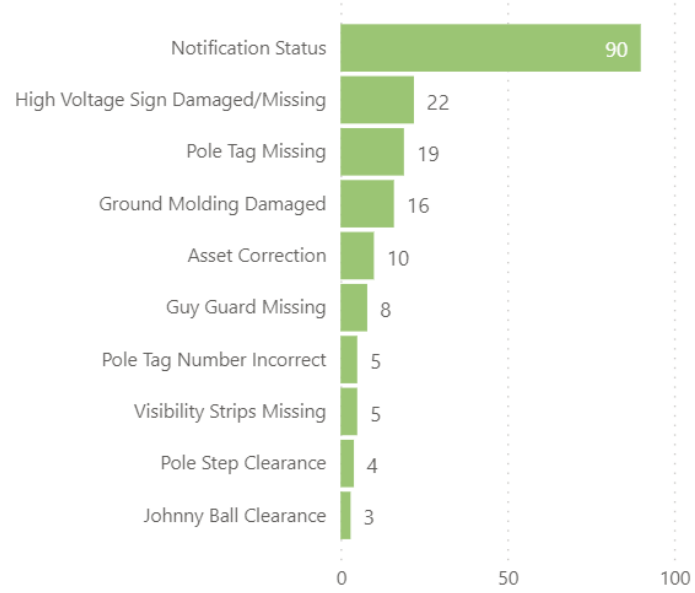
Non-Conformances by Priority



Top 10 P1 & P2 Finding Categories



Top 10 P3 Finding Categories

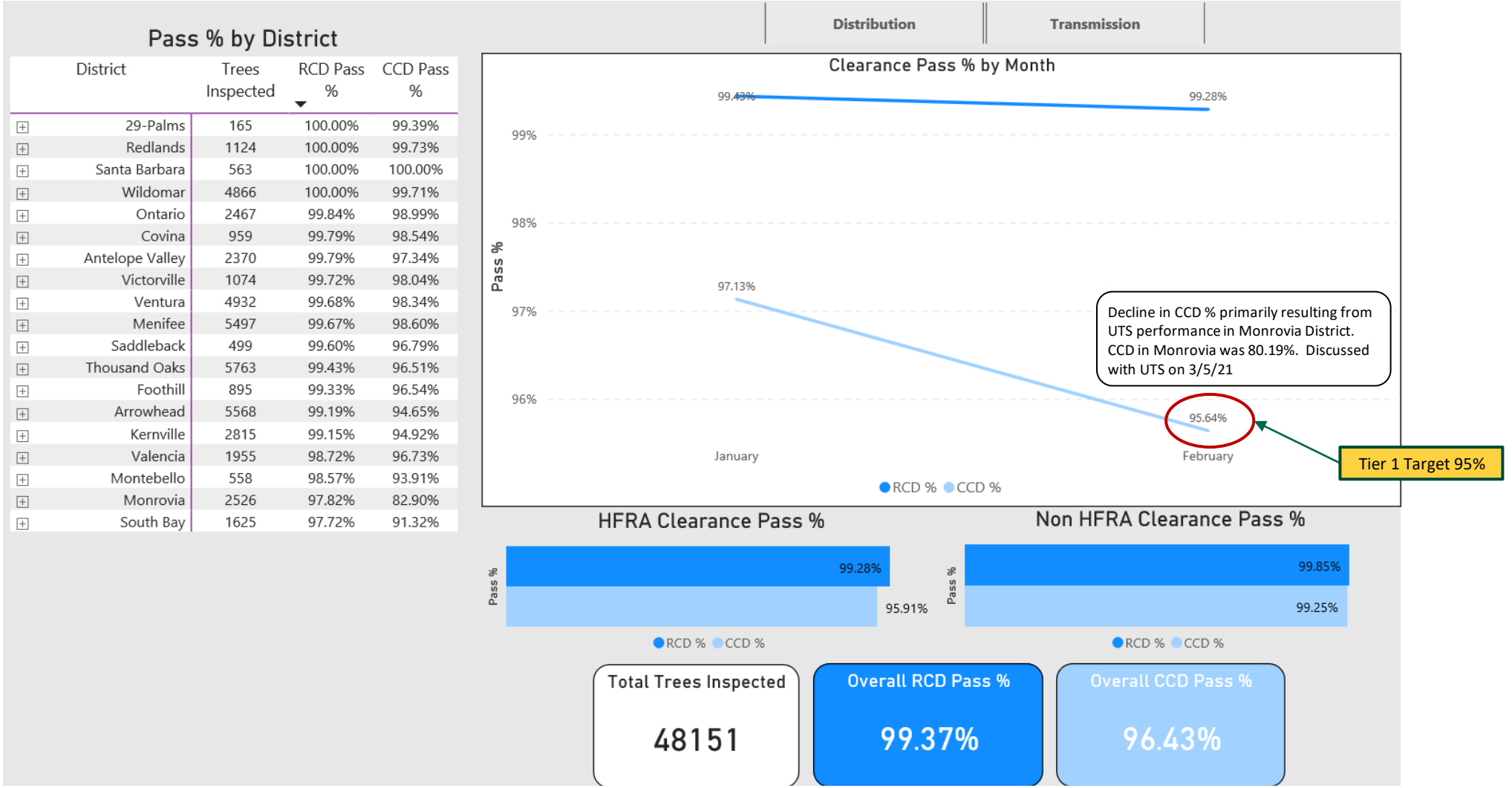


	FLOCS				P1 & P2 Findings						P3 Findings	
Program Name - REAX Score	Total QC Inspections	P1 & P2 PNC	P1 & P2 CR	Threshold Limit	P1	P2E	P2	Total P1 & P2	Open	Past Due	FLOC PNC	P3
ODI (High)												
Very High	32	1	96.9%	98.0%	0	0	1	1	1	0	1	1
High	891	23	97.4%	95.0%	0	0	23	23	16	0	75	79
Medium	840	62	92.6%	95.0%	2	0	67	69	60	0	69	84
Low	483	25	94.8%	90.0%	0	0	26	26	19	0	40	43
Total	**2,246**	**111**	**95.1%**		**2**	**0**	**117**	**119**	**96**	**0**	**185**	**207**

YTD VM Performance – Transmission & Distribution

Pass % by District

District	Trees Inspected	RCD Pass %	CCD Pass %
29-Palms	165	100.00%	99.39%
Redlands	1124	100.00%	99.73%
Santa Barbara	563	100.00%	100.00%
Wildomar	4866	100.00%	99.71%
Ontario	2467	99.84%	98.99%
Covina	959	99.79%	98.54%
Antelope Valley	2370	99.79%	97.34%
Victorville	1074	99.72%	98.04%
Ventura	4932	99.68%	98.34%
Menifee	5497	99.67%	98.60%
Saddleback	499	99.60%	96.79%
Thousand Oaks	5763	99.43%	96.51%
Foothill	895	99.33%	96.54%
Arrowhead	5568	99.19%	94.65%
Kernville	2815	99.15%	94.92%
Valencia	1955	98.72%	96.73%
Montebello	558	98.57%	93.91%
Monrovia	2526	97.82%	82.90%
South Bay	1625	97.72%	91.32%



NOTE: RCD & CCD results indicate tree condition clearance at time of QC, not at time of trim

	Compliance Zone	HFRA
T	RCD = Regulation Clearance Distance	10’
	CCD = Compliance Clearance Distance (RCD x 1.5)	15’

	Compliance Zone	HFRA	Non-HFRA
D	RCD = Regulation Clearance Distance	4’	18”
	CCD = Compliance Clearance Distance (RCD x 1.5)	6’	3’

APPENDIX

QUALITY CONTROL
PLAN
SCHEDULE
EXECUTE
CLOSE
INITIATE
T&D
Quality
Management
QUALITY ASSURANCE

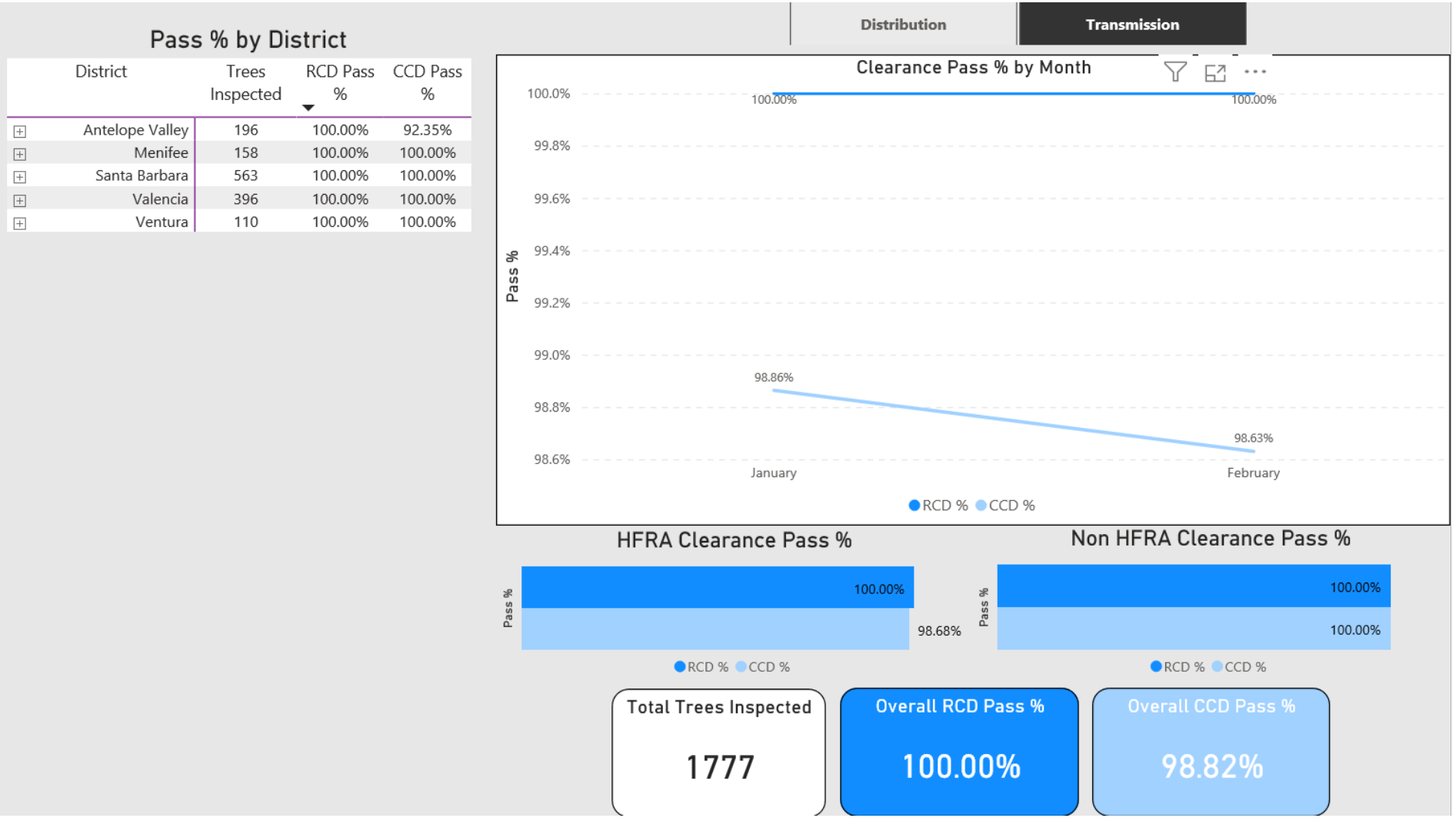
Production vs Sampling Targets – 2021

Sampling targets are based on the updated Quality Program Rankings.

Program	Risk Category	Production	Sampling Targets	% of Annual Goal
Overhead Detail Inspection (ODI)	Very High	32	1,998	2%
	High	891	2,043	44%
	Medium	840	248	339%
	Low	483	89	540%
	Total	**2,246**	**4,378**	51%
Distribution Construction	Very High	213	1,580	13%
	High	615	3,870	16%
	Medium	296	2,379	12%
	Low	101	407	25%
	Total	**1,225**	**8,235**	15%
Transmission Construction	Very High	0	4	0%
	High	2	64	3%
	Medium	45	590	8%
	Low	39	142	27%
	Total	**86**	**800**	11%
Aerial Distribution	Very High	0	999	0%
	High	0	520	0%
	Medium	0	221	0%
	Low	0	79	0%
	Total	**0**	**1,820**	0%
Aerial Transmission (Pilot)	**Total**	**0**	**500**	0%

Program	Risk Category	Production	Sampling Targets	% of Annual Goal
Planning	Very High	19	880	2%
	High	52	2,734	2%
	Medium	205	461	45%
	Low	28	169	17%
	Total	**304**	**4,243**	7%
Transmission Inspections (TIMP)	Very High	0	924	0%
	High	0	271	0%
	Medium	0	218	0%
	Low	0	79	0%
	Total	**0**	**1,492**	0%
Intrusive	Very High	20	319	6%
	High	68	113	60%
	Medium	37	46	80%
	Low	22	22	100%
	Total	**147**	**500**	29%
Pole Loading	**Total**	**256**	**400**	64%
Underground Detailed Inspections (UDI)		**0**	**500**	0%
Generation	**Total**	**0**	**120**	0%
	Grand Total	**4,264**	**22,989**	19%

YTD VM Performance – Transmission



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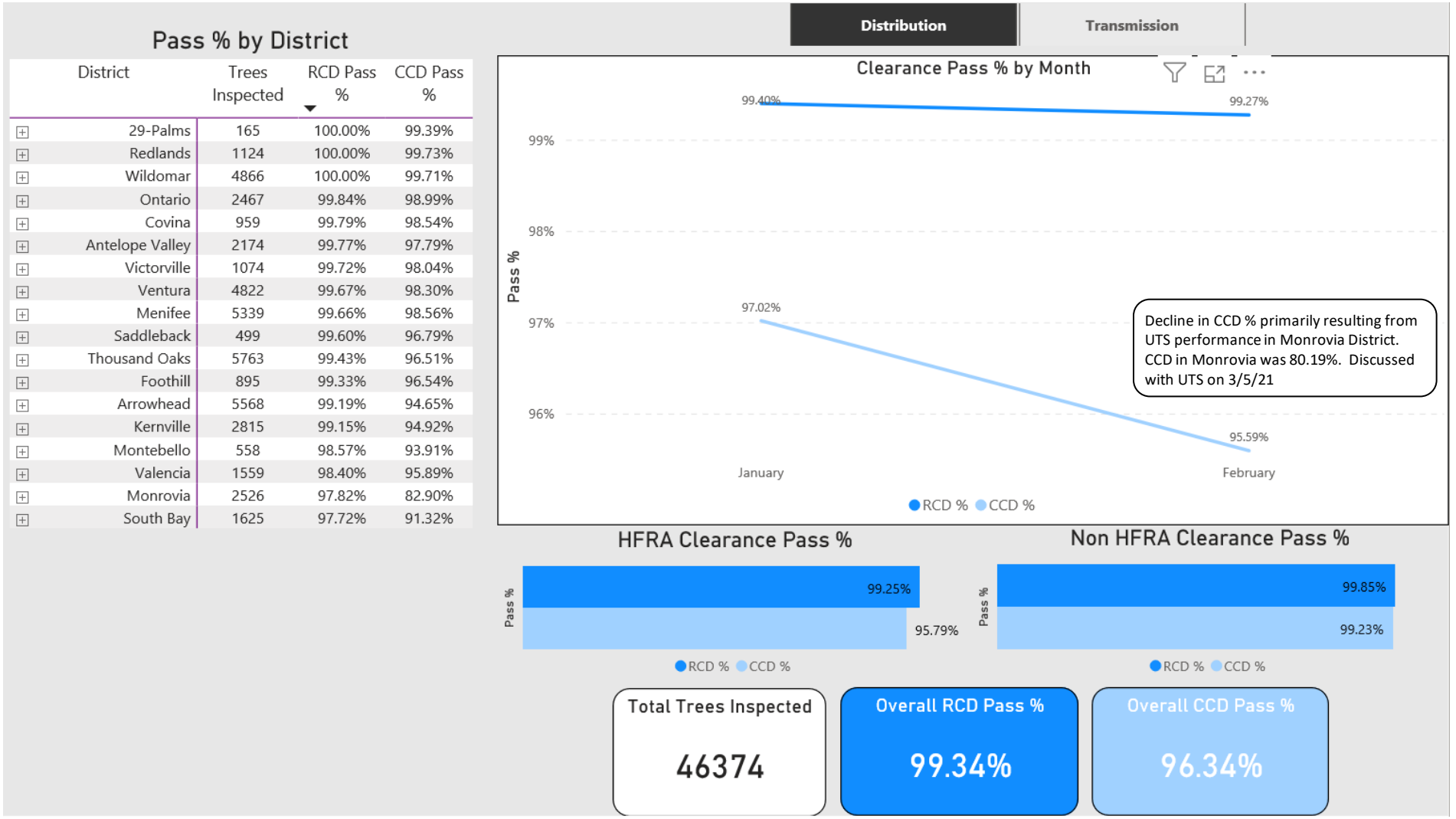

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