

VM Performance Review Meeting

April 8, 2021

QC Mileage, Sampling and Performance Targets

Summary of Circuit Miles for Inspection in HFRA and Non-HFRA

Fire Area	T/D	REAX % Range	Risk %	Inspection %	Miles	Total Miles	All Miles
HFRA	T&D	≥ 80	≥ 93.87	100%	2161	6125	8145
	T&D	< 80	< 93.87	99/1.7%	4064		
Non-HFRA	Transmission	N/A	N/A	99/4.3%	800	2020	
	Distribution			99/3.6%	1220		

SAMPLING – 100% QC inspection is performed on 2161 circuit miles. These 2161 miles represent ≥ 80% REAX Range and present ≥ 93.87% of the risk

QC inspection is performed on a “circuit mileage” basis. Vegetation within the selected circuit mile is assessed for compliance to UVM Program requirements. Judgmental sampling is performed to select circuit mileage with known adjacent vegetation

CL/CI Based on REAX Stratification for HFRA

REAX % Range	% of Risk	Cumulative Risk %	Circuit Miles	Total Circuit Miles	CL/CI %	Actual CL/CI %
98-100	46.01	46.01	221	221	99/1.3	N/A
95-98	18.02	64.03	278	499		
90-95	16.65	80.68	536	1035		
80-90	13.19	93.87	1126	2161		
70-80	4.04	97.91	1100	3261		
60-70	1.41	99.32	1133	4394		
50-60	0.49	99.81	1181	5575		
25-50	0.20	100.00	3493	9068		
0-25	0.09	100.00	7121	16189		

Fire Area	Acceptable Quality Level	
	RCD	CCD
HFRA	100%	95%
Non-HFRA		

QUALITY: An Acceptable Quality Level of 100% RCD has been established for VM. This is the highest program expectation of all T&D QC Programs. In 2021, SCE established a Tier 1 QC Metric for CCD conformance. Targets are 91% / 95% / 99% AQL

2021 QC Mileage Productivity

2021 QC Mileage Targets												
Month	HFRA & Non-HFRA				HFRA				Non-HFRA			
	Goal	Actual	Plus Delta	% to 8145	Goal	Actual	Plus Delta	% to 6125	Goal	Actual	Plus Delta	% to 2020
January	678.75	755	76.25	9.3	510.4	679	168.6	11.0	168.3	74	94.3	3.6
February	1357.50	1854	496.50	22.7	1020.8	1452	431.2	23.7	336.6	400	63.4	19.8
March	2036.25	2415	378.75	29.6	1531.2	1803	271.8	29.4	504.9	610	105.1	30.2
April	2715.00				2041.6				673.2			
May	3393.75				2552.0				841.5			
June	4072.50				3062.4				1009.8			
July	4751.25				3572.8				1178.1			
August	5430.00				4083.2				1346.4			
September	6108.75				4593.6				1514.7			
October	6787.50				5104.0				1683.0			
November	7466.25				5614.4				1851.3			
December	8145.00				6125.0				2020.0			

- Goal/Actual columns are “cumulative miles”
- 2021 QC Plan mileage target is 8145 circuit miles: $8145 \text{ miles} \div 12 \text{ months} = 678.75 \text{ miles per month}$
- Compliance QC is currently fully staffed at 26 FTE (20 field, 2 QC for verification of remediations, 4 field supervisors)
- $8145 \text{ miles} \div 20 \text{ inspectors} = 407.25 \text{ miles per year per inspector}$, ($407.25 \div 220 \text{ days} = 1.851 \text{ miles per day}$)

RCD / CCD Performance – 2021 3 Months rolling & YTD

RCD CONFORMANCE % – OVERALL VM PROGRAM				
	January	February	March	YTD
T & D	99.4	99.28	99.47	99.40
Transmission	100.00	100.00	99.05	99.58
Distribution	99.40	99.27	99.49	99.39
RCD CONFORMANCE % – PRUNING CONTRACTORS				
T & D	99.59	99.13	99.44	99.38
Transmission	100.00	100.00	98.70	99.31
Distribution	99.57	99.12	99.48	99.38
RCD CONFORMANCE % – INSPECTION CONTRACTORS				
T & D	99.43	99.28	99.56	99.55
Transmission	100.00	100.00	100.00	100.00
Distribution	99.40	99.27	99.55	99.53

RCD = Regulation Clearance Distance NIP = No QC Inspections Performed Transmission RCD incorporates Sag & Sway

CCD CONFORMANCE % – OVERALL VM PROGRAM				
	January	February	March	YTD
T & D	97.13	95.64	96.25	96.37
Transmission	98.86	98.63	87.05	94.00
Distribution	97.02	95.59	96.69	96.46
CCD CONFORMANCE % – PRUNING CONTRACTORS				
T & D	97.21	94.60	95.68	95.85
Transmission	99.83	97.04	82.45	89.52
Distribution	97.10	94.57	96.42	96.08
CCD CONFORMANCE % – INSPECTION CONTRACTORS				
T & D	97.13	95.64	97.28	97.70
Transmission	100.00	100.00	99.42	99.78
Distribution	98.03	97.79	97.21	97.59

CCD = Compliance Clearance Distance NIP = No QC Inspections Performed Transmission CCD incorporates Sag & Sway

< 90%	90% to < 95%	95% to < 97%	97% to < 98%	98% to < 99%	99% to 100%
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NOTE: RCD and CCD results indicate tree condition clearance at time of QC, not at time of trim

VM Performance – T & D (Rolling 12 months)

VM Lead: Bill

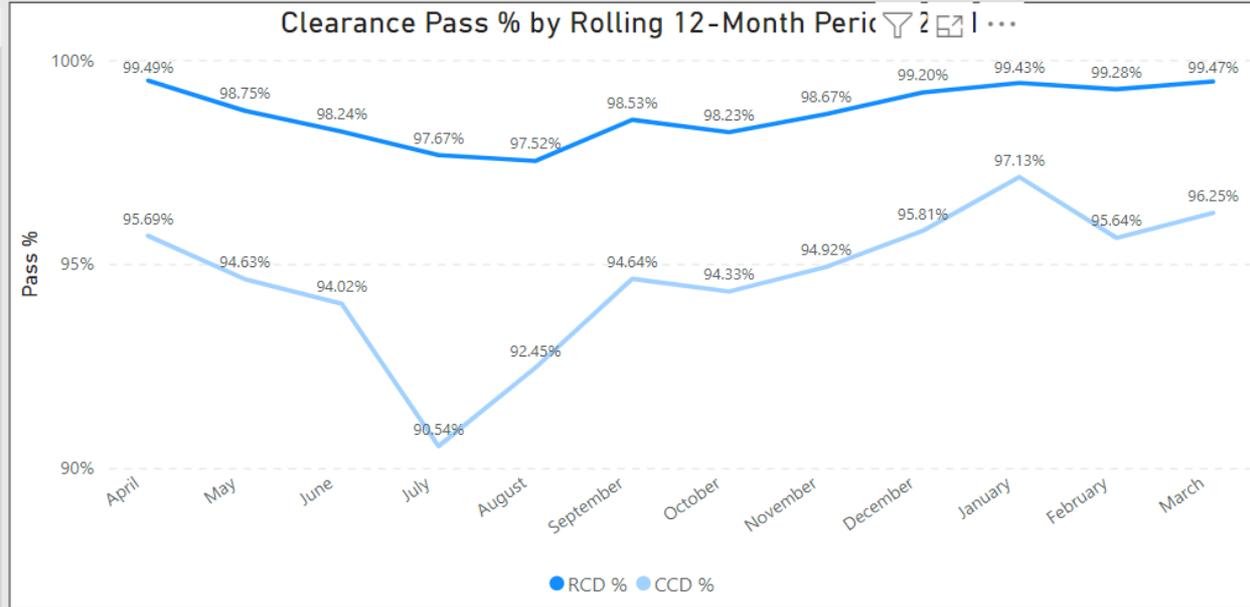


Pass % by District

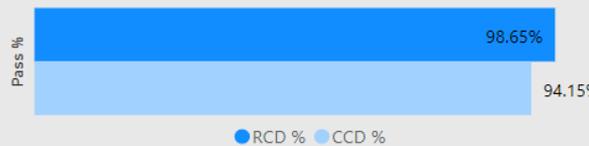
District	Trees Inspected	RCD Pass %	CCD Pass %
Fullerton	472	100.00%	99.79%
Ridgecrest	254	100.00%	99.21%
Huntington Beach	758	99.87%	99.74%
Big Creek	501	99.80%	99.00%
Ontario	8335	99.80%	98.99%
Tehachapi	15631	99.70%	97.59%
Whittier	2531	99.68%	98.74%
29-Palms	2653	99.59%	96.49%
Kernville	17031	99.50%	96.79%
Covina	10941	99.45%	97.30%
Wildomar	17884	99.38%	97.09%
Foothill	895	99.33%	96.54%
Thousand Oaks	20626	99.27%	96.40%
Arrowhead	58015	99.20%	94.04%
Bishop/Mammoth	1658	99.16%	92.46%
Ventura	27147	99.10%	96.01%
Montebello	1571	99.05%	95.99%
Menifee	35244	98.95%	95.38%
Antelope Valley	19087	98.91%	94.38%
Palm Springs	2718	98.86%	95.18%
Compton	1947	98.77%	97.12%
Santa Ana	928	98.71%	95.26%
Long Beach	3021	98.64%	96.49%
Santa Barbara	13500	98.46%	94.20%
Victorville	3492	98.34%	93.79%
Valencia	13062	98.14%	94.32%
Redlands	16078	97.65%	88.57%
South Bay	16010	97.45%	89.97%
San Joaquin	14884	97.37%	96.09%
Santa Monica	2683	97.32%	92.51%

Distribution

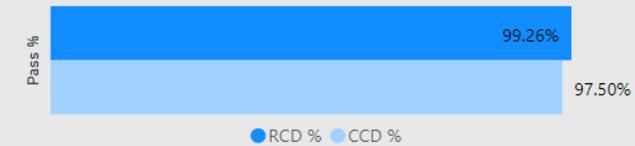
Transmission



HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected

356126

Overall RCD Pass %

98.75%

Overall CCD Pass %

94.71%

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

T	Compliance Zone		D	Compliance Zone	
	HFRA			HFRA	Non-HFRA
	RCD = Regulation Clearance Distance	10'		RCD = Regulation Clearance Distance	4'
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'		CCD = Compliance Clearance Distance (RCD x 1.5)	6'
					18"
					3'

VM Performance – Transmission (Rolling 12 months)

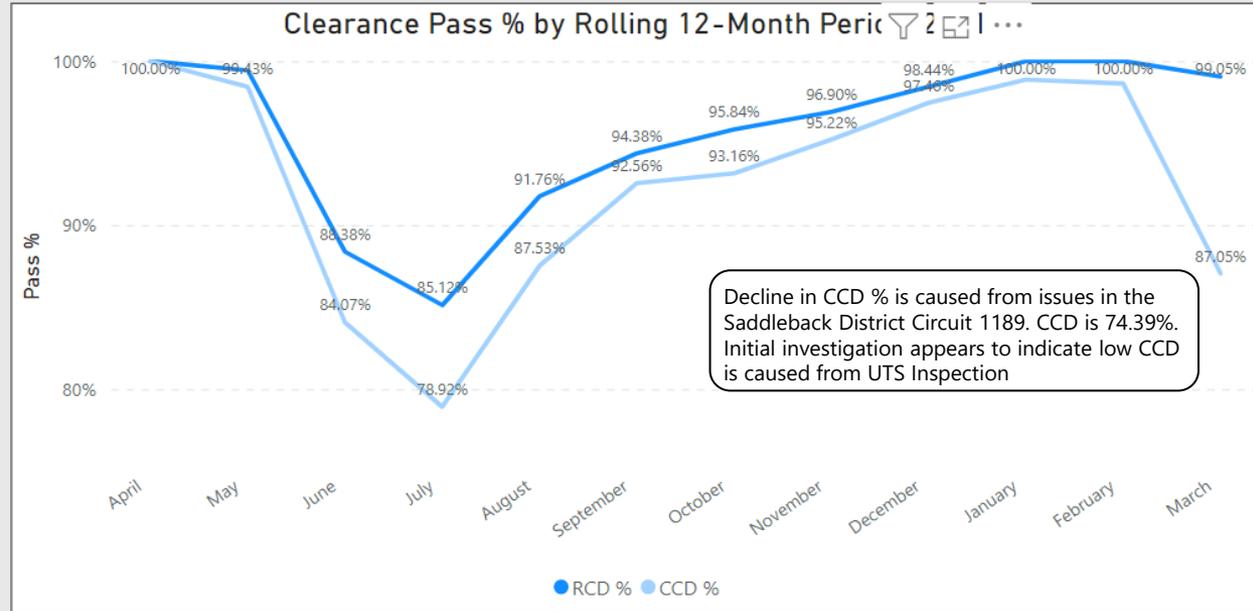
VM Lead: Bill

Pass % by District

District	Trees Inspected	RCD Pass %	CCD Pass %
Bishop/Mammoth	877	100.00%	99.77%
Covina	273	100.00%	100.00%
Long Beach	178	100.00%	100.00%
Menifee	154	100.00%	100.00%
Thousand Oaks	1524	100.00%	99.74%
Whittier	134	100.00%	100.00%
South Bay	450	99.78%	99.78%
Ontario	1551	99.68%	99.36%
Kernville	195	99.49%	99.49%
Victorville	230	99.13%	93.48%
Santa Barbara	853	98.48%	97.30%
Santa Ana	219	98.17%	96.35%
Palm Springs	301	98.01%	96.35%
Monrovia	2678	97.01%	94.96%
Antelope Valley	2065	96.61%	92.74%
Ventura	548	94.34%	91.79%
Valencia	2080	94.13%	91.20%
Saddleback	2250	85.69%	73.07%
San Joaquin	1690	77.40%	69.11%

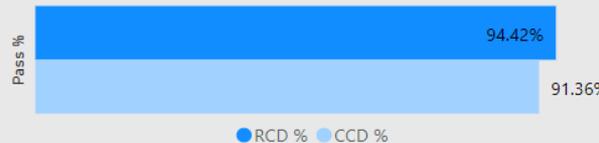
Distribution

Transmission

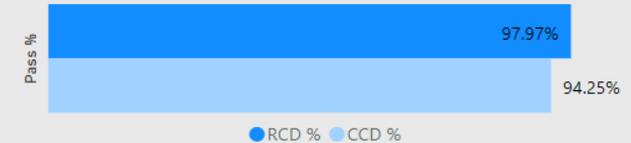


Decline in CCD % is caused from issues in the Saddleback District Circuit 1189. CCD is 74.39%. Initial investigation appears to indicate low CCD is caused from UTS Inspection

HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected

22030

Overall RCD Pass %

95.13%

Overall CCD Pass %

91.93%

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

T	Compliance Zone		D	Compliance Zone	
	HFRA			HFRA	Non-HFRA
	RCD = Regulation Clearance Distance	10'		RCD = Regulation Clearance Distance	4'
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'		CCD = Compliance Clearance Distance (RCD x 1.5)	6'
					18"
					3'

VM Performance – Distribution (Rolling 12 months)

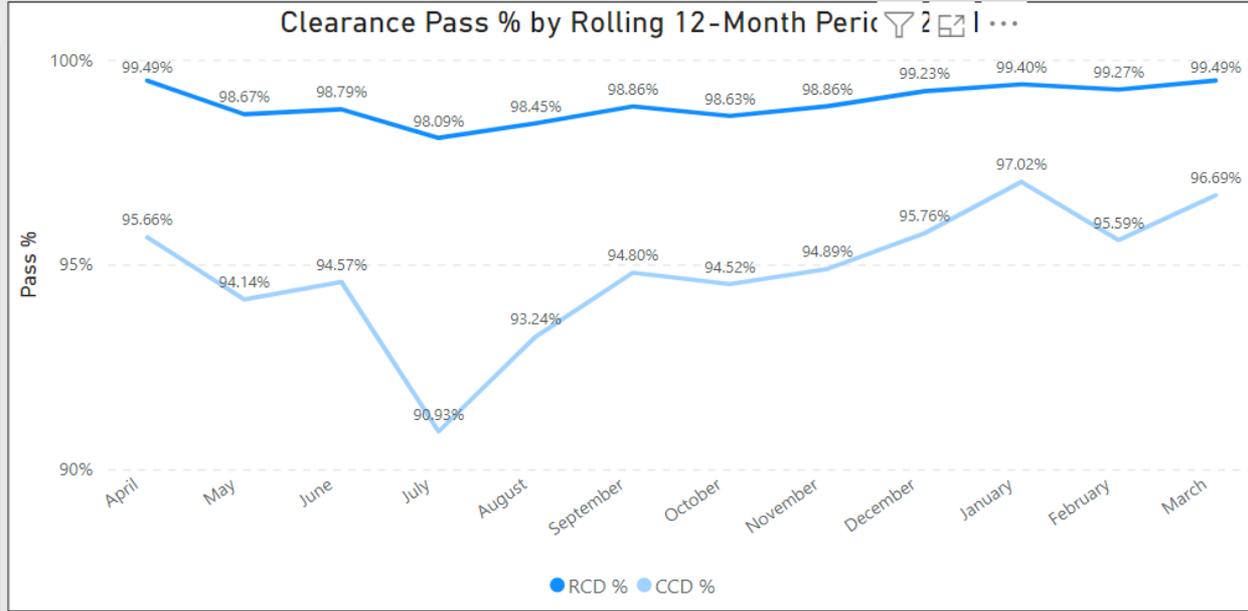
VM Lead: Bill

Pass % by District

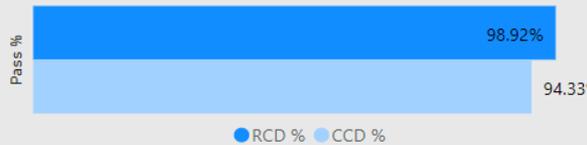
District	Trees Inspected	RCD Pass %	CCD Pass %
Fullerton	472	100.00%	99.79%
Ridgecrest	254	100.00%	99.21%
San Joaquin	13099	99.93%	99.54%
Huntington Beach	758	99.87%	99.74%
Ontario	6768	99.82%	98.91%
Big Creek	501	99.80%	99.00%
Tehachapi	15631	99.70%	97.59%
Whittier	2369	99.66%	98.65%
29-Palms	2653	99.59%	96.49%
Kernville	16697	99.50%	96.73%
Covina	10668	99.44%	97.23%
Wildomar	17884	99.38%	97.09%
Foothill	895	99.33%	96.54%
Thousand Oaks	19071	99.21%	96.13%
Arrowhead	58015	99.20%	94.04%
Ventura	26350	99.20%	96.06%
Antelope Valley	17013	99.18%	94.57%
Montebello	1571	99.05%	95.99%
Palm Springs	2417	98.97%	95.04%
Menifee	35090	98.95%	95.35%
Valencia	10956	98.90%	94.90%
Santa Ana	709	98.87%	94.92%
Saddleback	2423	98.84%	92.45%
Compton	1947	98.77%	97.12%
Long Beach	2843	98.56%	96.27%
Santa Barbara	12627	98.46%	93.98%
Victorville	3262	98.28%	93.81%
Bishop/Mammoth	728	98.08%	83.24%
Redlands	15948	97.64%	88.51%
South Bay	15514	97.38%	89.65%

Distribution

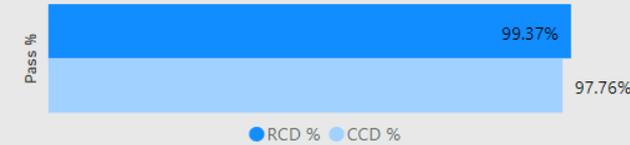
Transmission



HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected
333862

Overall RCD Pass %
98.99%

Overall CCD Pass %
94.89%

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

T	Compliance Zone		D	Compliance Zone	
	HFRA			HFRA	Non-HFRA
	RCD = Regulation Clearance Distance	10'		RCD = Regulation Clearance Distance	4'
CCD = Compliance Clearance Distance (RCD x 1.5)	15'	CCD = Compliance Clearance Distance (RCD x 1.5)	6'	3'	

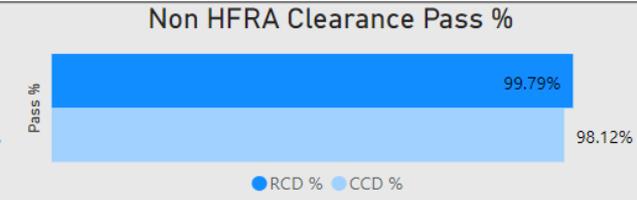
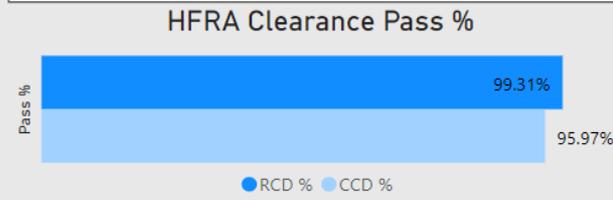
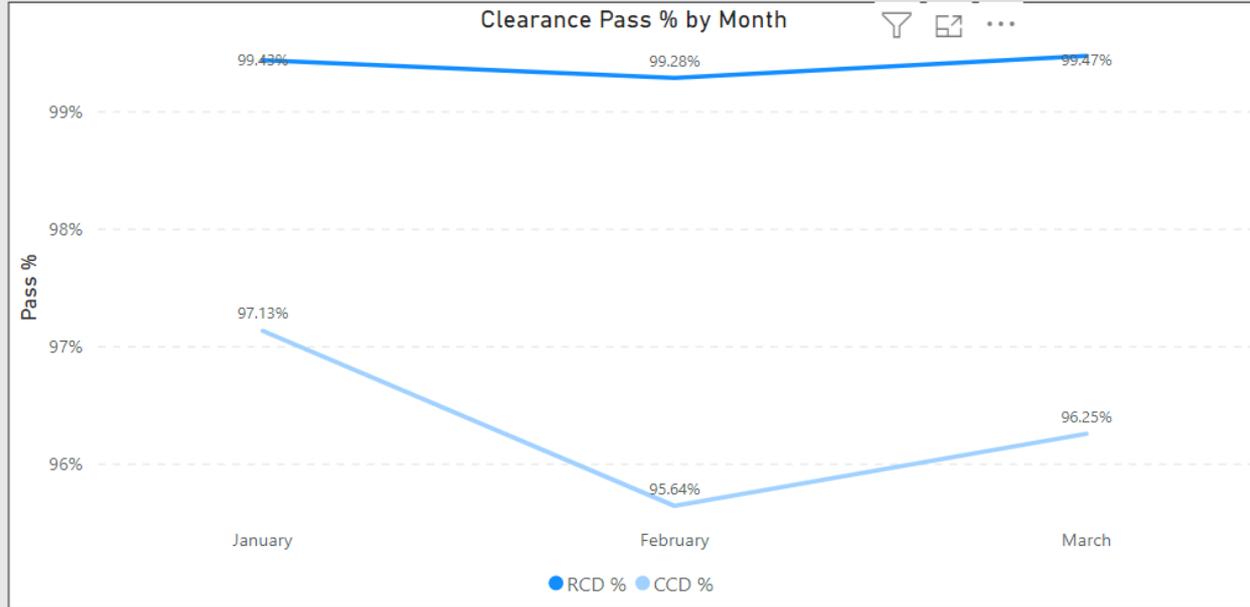
YTD VM Performance – Transmission & Distribution

VM Lead: Bill

Pass % by District

District	Trees Inspected	RCD Pass %	CCD Pass %
29-Palms	897	100.00%	99.22%
Compton	706	100.00%	99.15%
Fullerton	285	100.00%	99.65%
Long Beach	463	100.00%	99.78%
Redlands	1124	100.00%	99.73%
San Joaquin	773	100.00%	99.74%
Santa Barbara	563	100.00%	100.00%
Whittier	574	100.00%	99.83%
Wildomar	5529	100.00%	99.75%
Covina	1395	99.86%	98.78%
Ontario	3396	99.85%	99.00%
Huntington Beach	608	99.84%	99.67%
Menifee	8575	99.79%	98.95%
Victorville	1073	99.72%	98.04%
Ventura	8189	99.57%	97.91%
Thousand Oaks	8222	99.45%	96.78%
Kernville	4348	99.40%	95.86%
Antelope Valley	3978	99.35%	94.42%
Foothill	895	99.33%	96.54%
Arrowhead	8658	99.24%	95.11%
Montebello	1034	99.03%	95.74%
Saddleback	1424	98.95%	87.64%
Valencia	2266	98.90%	96.95%
South Bay	5509	98.84%	94.68%
Monrovia	5939	98.42%	88.18%

Clearance Pass % by Month



Total Trees Inspected
78979

Overall RCD Pass %
99.40%

Overall CCD Pass %
96.37%

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

T	Compliance Zone		D	Compliance Zone	
	HFRA			HFRA	Non-HFRA
	RCD = Regulation Clearance Distance	10'		RCD = Regulation Clearance Distance	4' 18"
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'		CCD = Compliance Clearance Distance (RCD x 1.5)	6' 3'

YTD VM Performance – Transmission

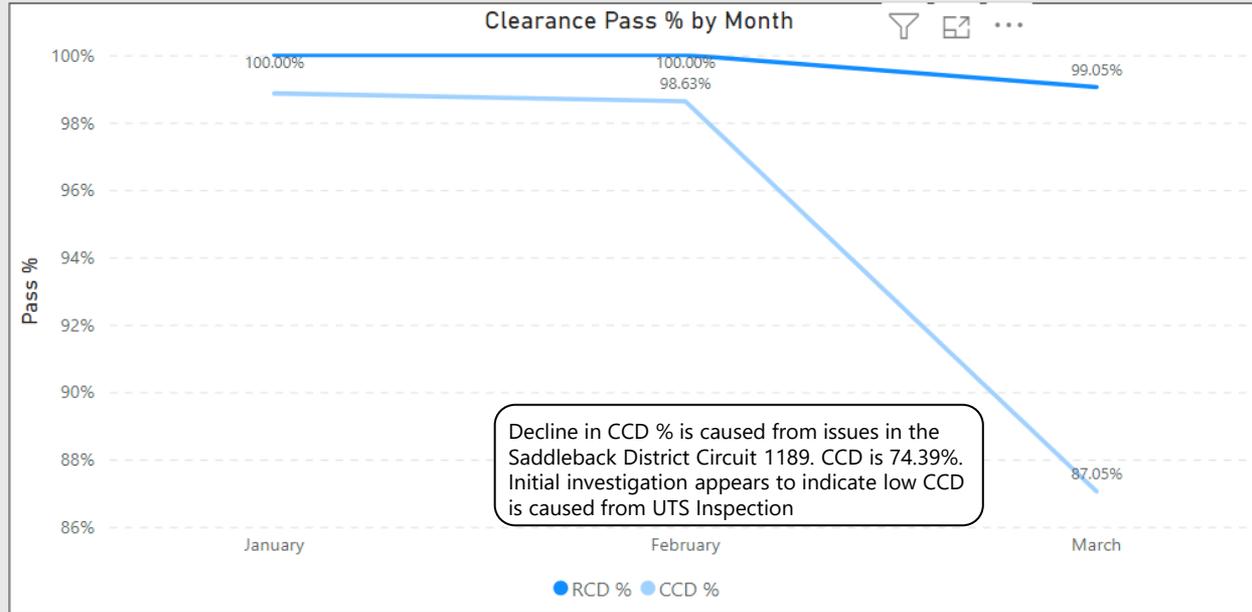
VM Lead: Bill

Pass % by District

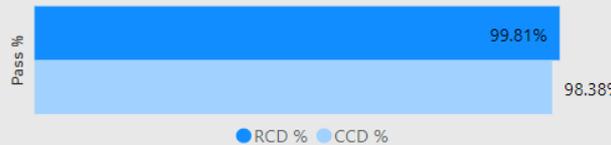
District	Trees Inspected	RCD Pass %	CCD Pass %
Antelope Valley	196	100.00%	92.35%
Menifee	154	100.00%	100.00%
Santa Barbara	563	100.00%	100.00%
Valencia	707	100.00%	99.29%
Ventura	110	100.00%	100.00%
Whittier	134	100.00%	100.00%
Saddleback			
00881	308	99.68%	99.35%
01189	617	98.06%	74.39%

Distribution

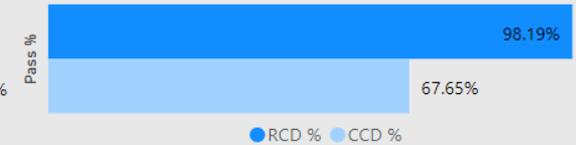
Transmission



HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected

3115

Overall RCD Pass %

99.58%

Overall CCD Pass %

94.00%

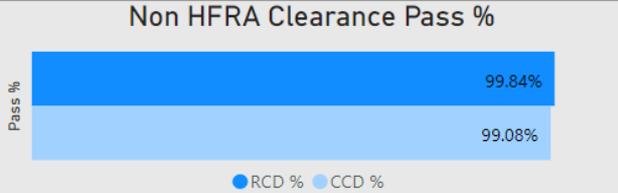
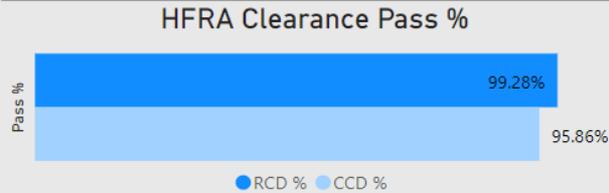
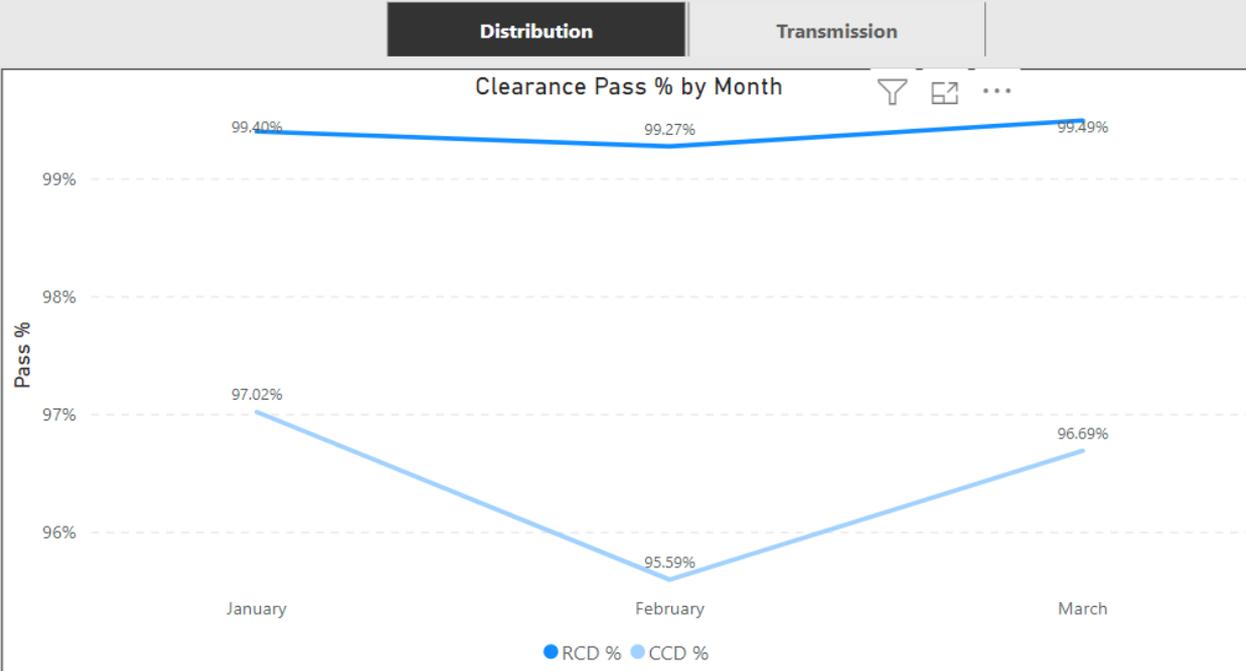
NOTE: RCD & CCD results indicate tree condition clearance at time of QC, not at time of trim

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

YTD VM Performance – Distribution

Pass % by District

District	Trees Inspected	RCD Pass %	CCD Pass %
29-Palms	897	100.00%	99.22%
Compton	706	100.00%	99.15%
Fullerton	285	100.00%	99.65%
Long Beach	463	100.00%	99.78%
Redlands	1124	100.00%	99.73%
San Joaquin	773	100.00%	99.74%
Whittier	440	100.00%	99.77%
Wildomar	5529	100.00%	99.75%
Covina	1395	99.86%	98.78%
Ontario	3396	99.85%	99.00%
Huntington Beach	608	99.84%	99.67%
Menifee	8421	99.79%	98.93%
Victorville	1073	99.72%	98.04%
Saddleback	499	99.60%	96.79%
Ventura	8079	99.57%	97.88%
Thousand Oaks	8222	99.45%	96.78%
Kernville	4348	99.40%	95.86%
Foothill	895	99.33%	96.54%
Antelope Valley	3782	99.31%	94.53%
Arrowhead	8658	99.24%	95.11%
Montebello	1034	99.03%	95.74%
South Bay	5509	98.84%	94.68%
Monrovia	5939	98.42%	88.18%
Valencia	1559	98.40%	95.89%



Total Trees Inspected	Overall RCD Pass %	Overall CCD Pass %
75833	99.39%	96.46%

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

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

VM Performance – T & D 80%/20% (Rolling 12 months)

VM Lead: Bill

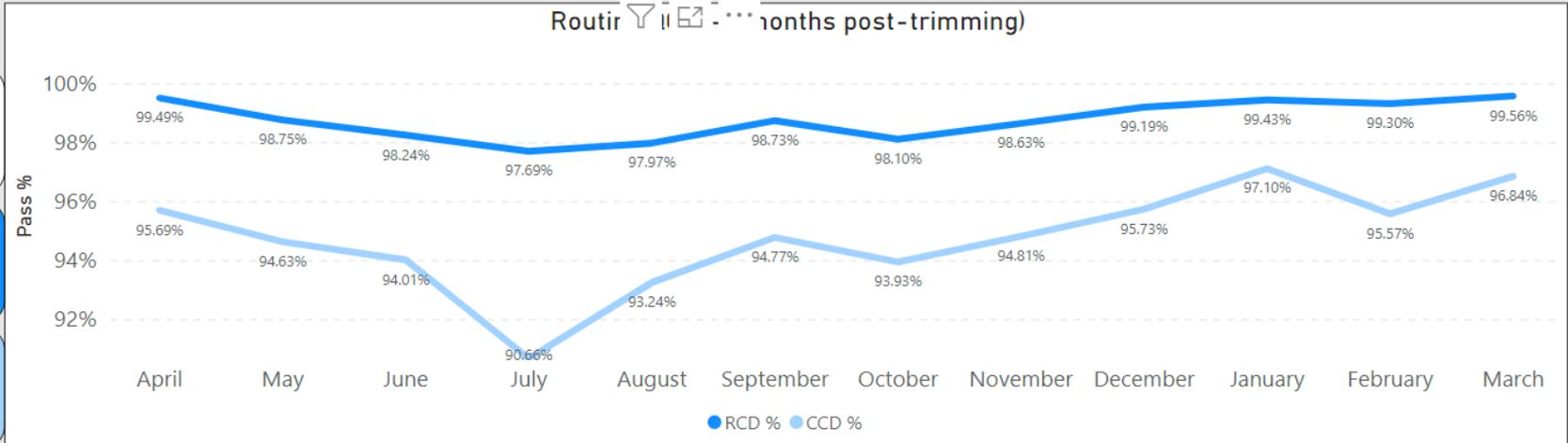
Routine & Cyclebuster - QC Results

Distribution: Transmission | Fire Risk Area: All | Tree Contractor: All | Inspection Contractor: All

Total Trees Inspected
355575

Overall RCD Pass %
98.84%

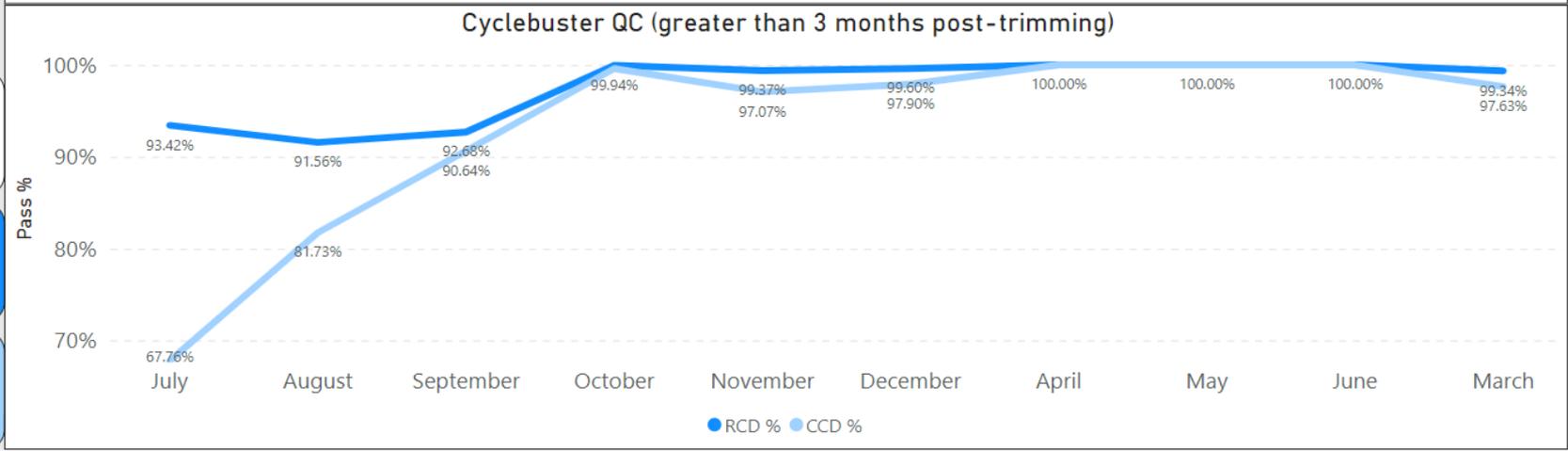
Overall CCD Pass %
94.89%



Total Trees Inspected
13614

Overall RCD Pass %
97.58%

Overall CCD Pass %
94.23%



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

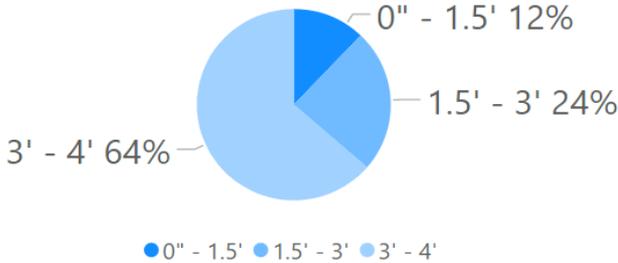
	Compliance Zone	HFRA		Compliance Zone	HFRA	Non-HFRA
T	RCD = Regulation Clearance Distance	10'	D	RCD = Regulation Clearance Distance	4'	18"
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'		CCD = Compliance Clearance Distance (RCD x 1.5)	6'	3'

T & D RCD Clearance Breakdown

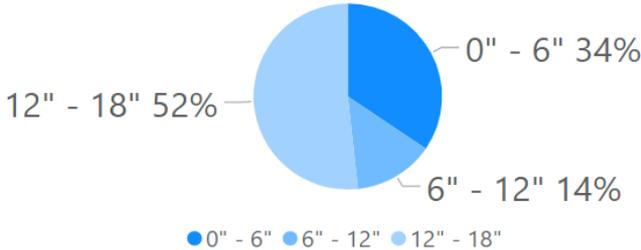
DISTRIBUTION RCD

1/4/2021 3/31/2021

HFRA RCD Clearance

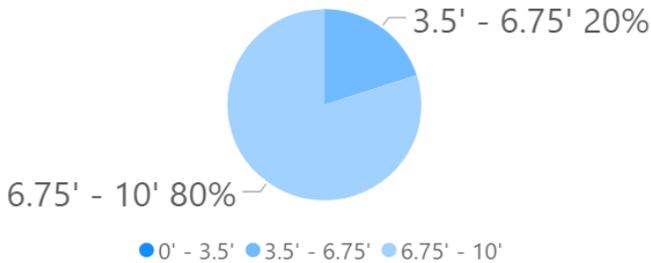


Non-HFRA RCD Clearance

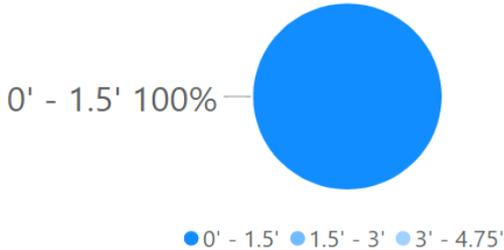


TRANSMISSION RCD

HFRA RCD Clearance



Non-HFRA RCD Clearance



Distribution Trees Inspected
72384

Distribution RCD's Found
436

Distribution RCD Pass %
99.39%

Transmission RCD Pass %
99.62%

Transmission RCD's Found
12

Transmission Trees Inspected
3169

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

Quality Control for HTMP

HTMP – QC Mitigation Inspections (1/1/19 to 2/28/21)

Total Risk Assessments
243,245

Total Mitigations Prescribed
22,371



HTMP Mitigations Performed

Year	quantity
+ 2019	6,413
+ 2020	12,720
- 2021	
January	499
February	475
March	442
Total	1,416
Total	20,549



QC Inspections Performed

Year	quantity
+ 2019	3,460
+ 2020	15,015
- 2021	
January	181
February	243
March	523
Total	947
Total	19,422



QC Inspection Backlog

Year	quantity
+ 2019	1
+ 2020	416
- 2021	
January	192
February	122
March	338
Total	652
Total	1,069

HTMP – QC of Risk Assessment Quality

- QC is targeting to perform 14,000 risk assessments annually (99/1%)
- Between 1/1/21 and 3/31/21, 1651 QC assessments performed (trending 99/2.4%)
- YTD – average risk score was 41.64; QC risk score was 44.26 (overall good)
 - Risk Scores ≥ 50 are classified as P2s and require mitigation
 - Risk Scores < 50 are P3s and require no mitigation
 - QC primarily targets risk scores between 35 – 49
- YTD 1577 P3 RAs were selected for QC
 - 242 of 1577 (15%) RAs were risk scored by QC and scored as a P2
 - Risk score > 55
- YTD 101 P2 RAs were selected for QC
 - 17 of 101 (17%) RAs were risk scored by QC and scored as a P3
 - Risk score < 40
- The variance between QC scores and HTMP assessor scores has been reducing which indicates better alignment on risk assessment

Compliance – Other

ASD Audits

- ASD Audit Y20-53070 Follow-up to 2019 VM Field Audit
- 4 Observations Issued to VM

Audit #	Observation #	Details	Due Date	Status
Y20-53070	1	Line Clearance and Data Issues	5/28/2021	On Track
	2	Improve DRI Program Documentation	N/A	Complete: UVM-18 Issued
	3	Pole Brushing Program Documentation is unclear and requires clarification, including defining program criteria and exceptions	5/28/2021	On Track
	4	Pole Brushing Program requires a process for ensuring regular maintenance of brushing clearance	5/28/2021	On Track

Data Requests

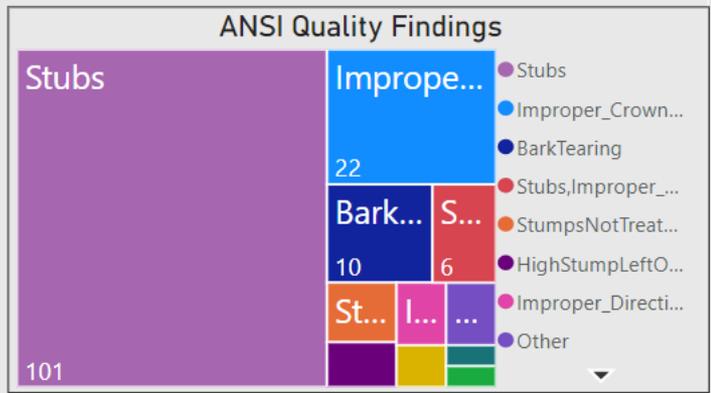
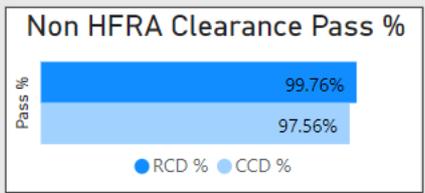
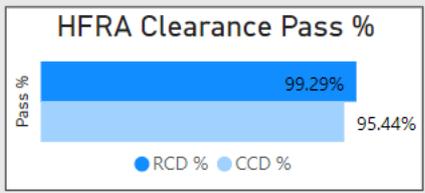
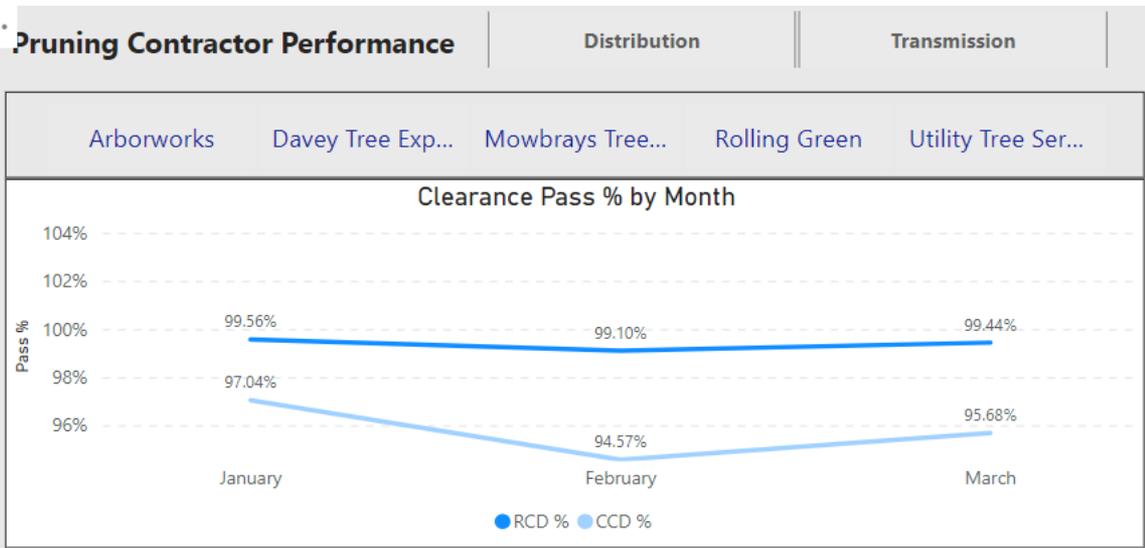
- CalAdvocates: (CalAdvocates-SCE-2021WMP-07 & SCE-2021 WMP-09)
- TURN: TURN-SCE-006
- Bobcat Fire – SED
- 2021 WMP Stakeholder Comments

APPENDIX – Contractor Performance Trending

2021 YTD

Pruning Contractor – Overall Performance (T&D)

District	Inspected	Pass %	CCD %	RCD %
29-Palms	617	100.00%	98.87%	99.84%
Blythe	384	100.00%	100.00%	100.00%
Compton	577	100.00%	99.48%	99.83%
Fullerton	212	100.00%	100.00%	100.00%
Huntington Beach	317	100.00%	100.00%	100.00%
Long Beach	421	100.00%	100.00%	99.76%
San Joaquin	403	100.00%	99.50%	100.00%
Santa Barbara	259	100.00%	100.00%	100.00%
Santa Monica	53	100.00%	98.11%	100.00%
Whittier	350	100.00%	100.00%	99.71%
Wildomar	4862	100.00%	99.73%	99.90%
Kernville	1048	99.90%	94.08%	99.62%
Redlands	1048	99.90%	99.33%	99.90%
Ontario	2777	99.89%	99.03%	99.60%
Menifee	6119	99.84%	99.00%	100.00%
Covina	1118	99.82%	98.93%	99.91%
Victorville	992	99.70%	98.08%	100.00%
Arrowhead	5420	99.39%	95.18%	99.69%
Thousand Oaks	5814	99.35%	96.18%	99.52%
Ventura	4417	99.28%	96.88%	99.62%
Foothill	403	99.26%	96.03%	99.50%
Valencia	1371	98.91%	96.50%	99.27%
Antelope Valley	1379	98.84%	91.37%	99.78%
Montebello	762	98.82%	94.62%	99.48%
Saddleback	1038	98.65%	83.33%	100.00%
South Bay	3708	98.62%	93.07%	99.00%
Monrovia	4380	98.15%	86.39%	99.73%



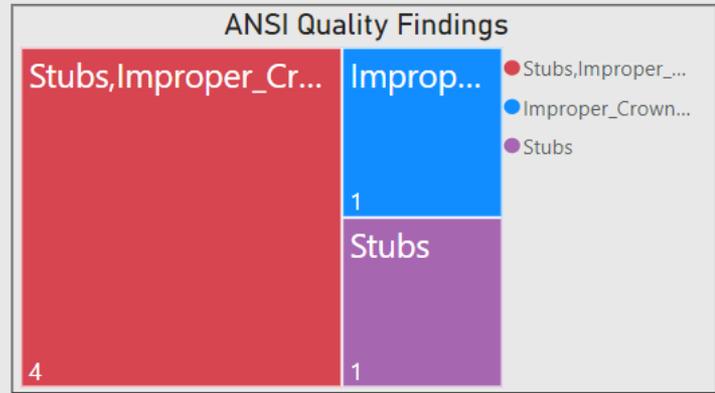
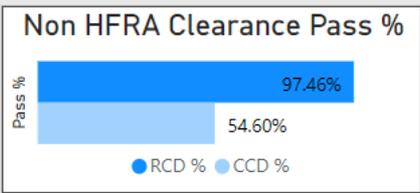
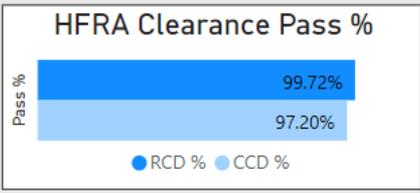
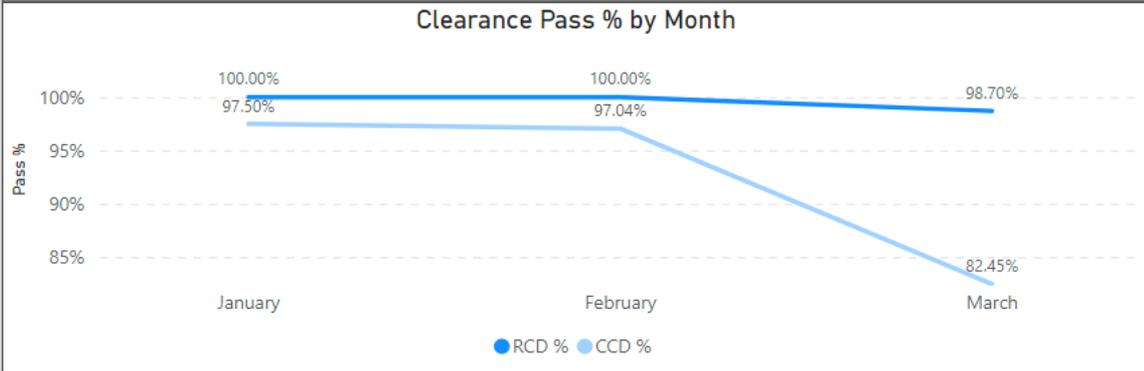
Total Trees Last Touched 50701	Overall RCD Pass % 99.38%	Overall CCD Pass % 95.85%	ANSI Quality Pass % 99.69%
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Pruning Contractor – Overall Performance (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
+ Antelope Valley	85	100.00%	82.35%	100.00%
+ Menifee	66	100.00%	100.00%	100.00%
+ Redlands	70	100.00%	97.14%	98.57%
+ Santa Barbara	259	100.00%	100.00%	100.00%
+ Santa Monica	53	100.00%	98.11%	100.00%
+ South Bay	8	100.00%	100.00%	100.00%
+ Valencia	351	100.00%	98.58%	98.86%
+ Ventura	60	100.00%	100.00%	100.00%
+ Victorville	21	100.00%	85.71%	100.00%
+ Whittier	96	100.00%	100.00%	98.96%
+ Wildomar	6	100.00%	100.00%	100.00%
+ Saddleback	671	98.21%	76.60%	100.00%

Pruning Contractor Performance | Distribution | **Transmission**

Davey Tree Experts | Mowbrays Tree Service | Utility Tree Service



Total Trees Last Touched
1748

Overall RCD Pass %
99.31%

Overall CCD Pass %
89.52%

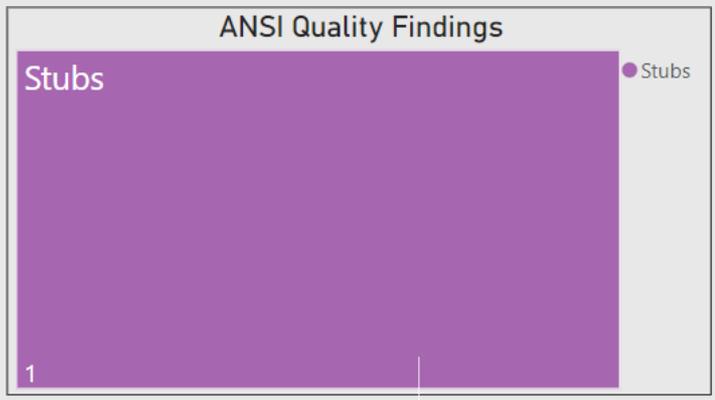
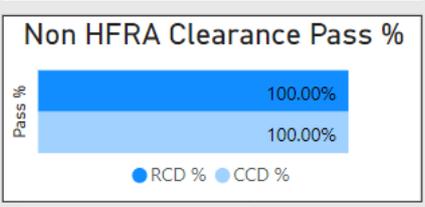
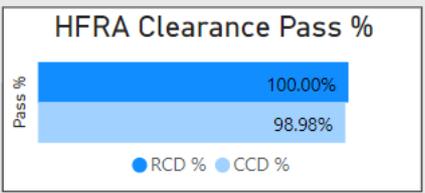
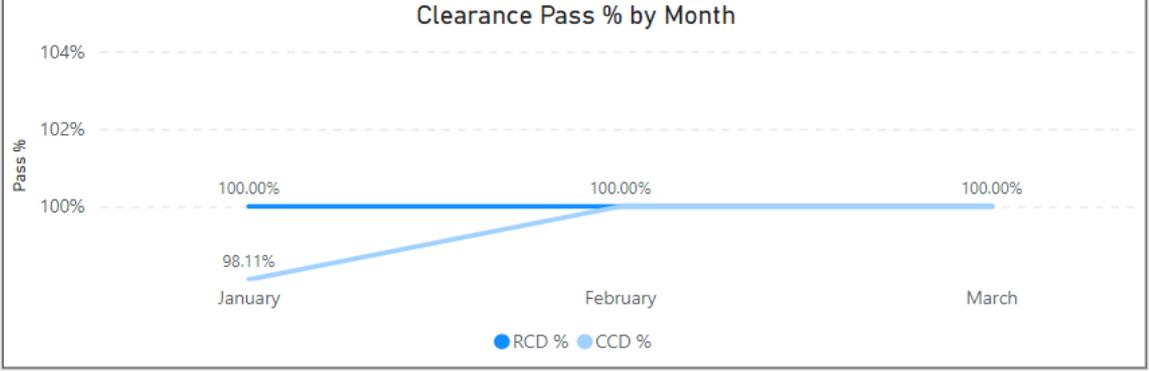
ANSI Quality Pass %
99.66%

Pruning Contractor – Davey Tree Experts (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Santa Monica	53	100.00%	98.11%	100.00%
South Bay	8	100.00%	100.00%	100.00%
Whittier	96	100.00%	100.00%	98.96%

Pruning Contractor Performance | Distribution | **Transmission**

Davey Tree Experts | Mowbrays Tree Service | Utility Tree Service



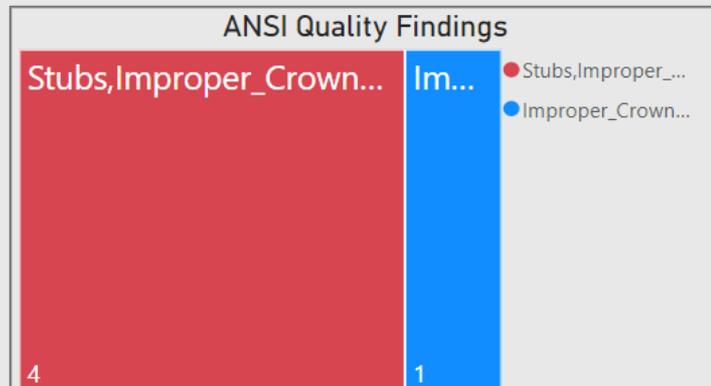
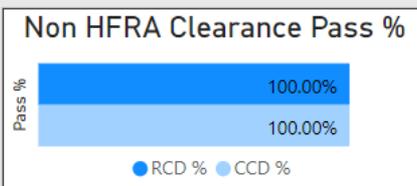
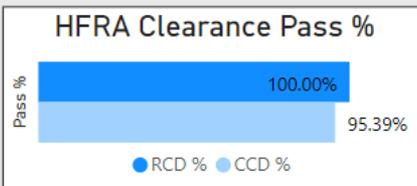
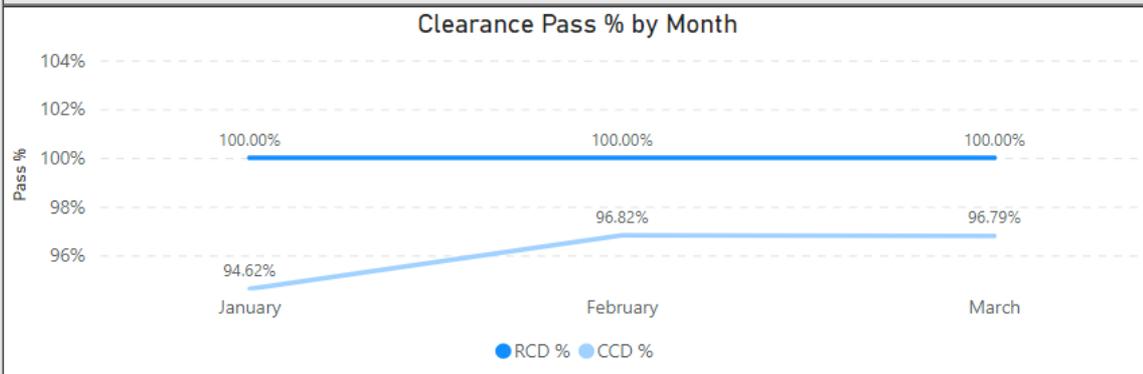
Total Trees Last Touched 157	Overall RCD Pass % 100.00%	Overall CCD Pass % 99.36%	ANSI Quality Pass % 99.36%
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Pruning Contractor – Mowbrays Tree Service (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Antelope Valley	85	100.00%	82.35%	100.00%
Menifee	66	100.00%	100.00%	100.00%
Redlands	70	100.00%	97.14%	98.57%
Valencia	351	100.00%	98.58%	98.86%
Victorville	21	100.00%	85.71%	100.00%
Wildomar	6	100.00%	100.00%	100.00%

Pruning Contractor Performance | Distribution | **Transmission**

Davey Tree Experts | Mowbrays Tree Service | Utility Tree Service



Total Trees Last Touched
601

Overall RCD Pass %
100.00%

Overall CCD Pass %
95.83%

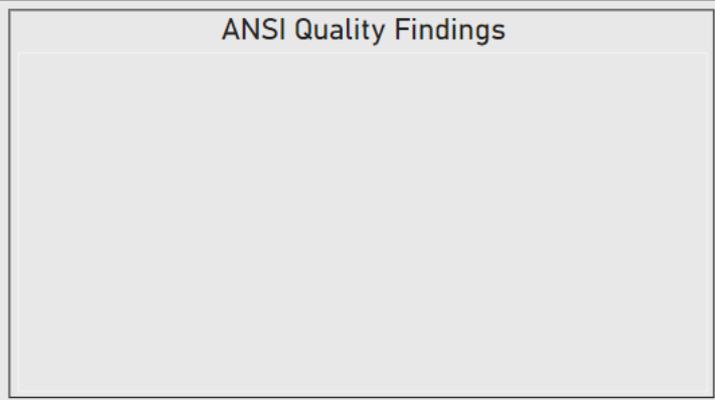
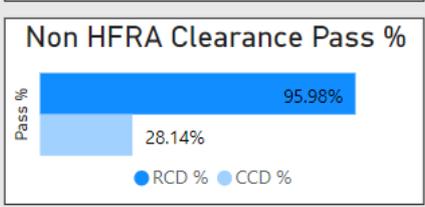
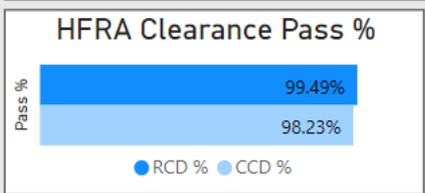
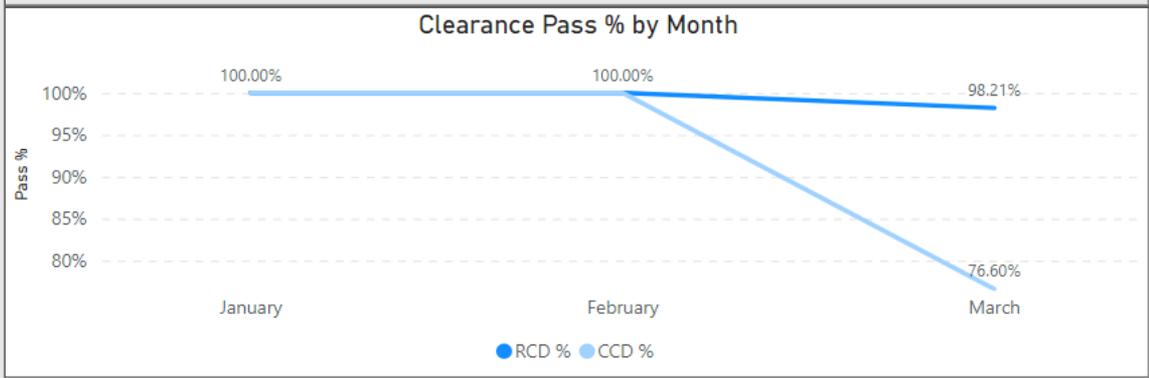
ANSI Quality Pass %
99.17%

Pruning Contractor – Utility Tree Service (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
⊕ Santa Barbara	259	100.00%	100.00%	100.00%
⊕ Ventura	60	100.00%	100.00%	100.00%
☐ Saddleback				
00881	152	99.34%	99.34%	100.00%
01189	519	97.88%	69.94%	100.00%

Pruning Contractor Performance | Distribution | **Transmission**

Davey Tree Experts | Mowbrays Tree Service | **Utility Tree Service**



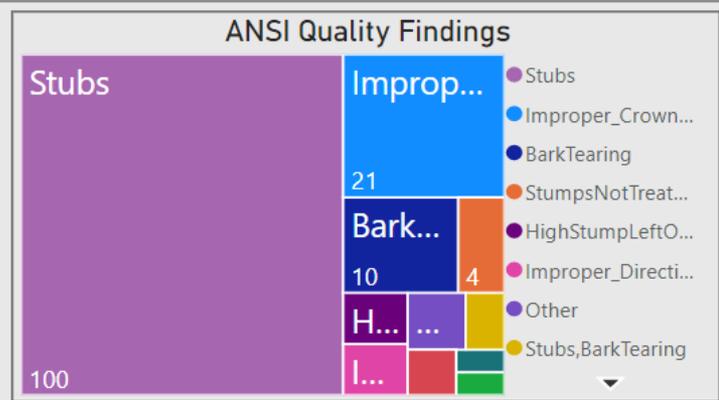
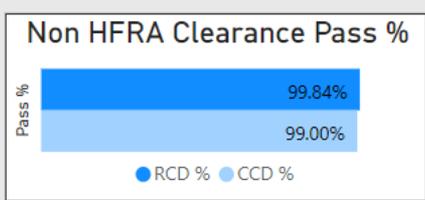
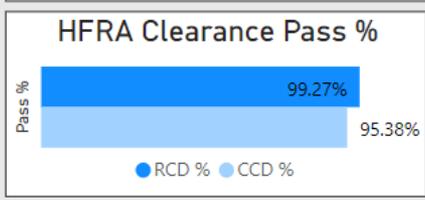
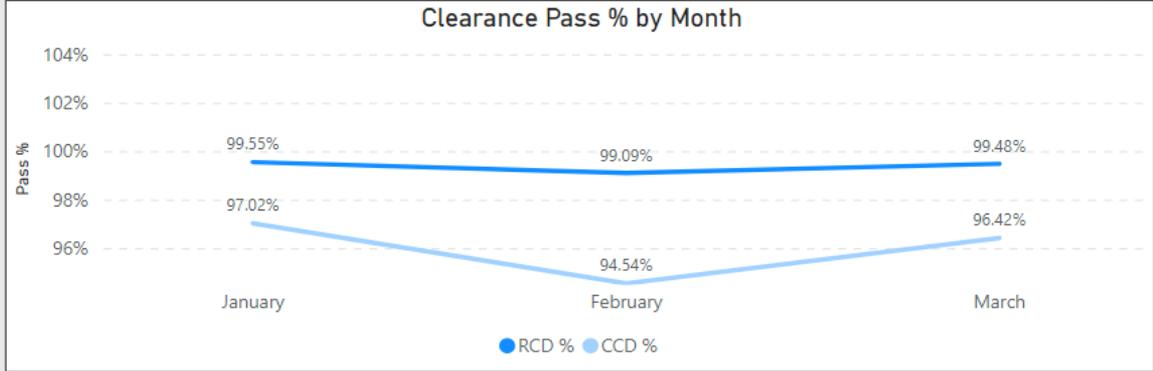
Total Trees Last Touched 990	Overall RCD Pass % 98.79%	Overall CCD Pass % 84.14%	ANSI Quality Pass % 100.00%
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Pruning Contractor – Overall Performance (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
29-Palms	617	100.00%	98.87%	99.84%
Blythe	384	100.00%	100.00%	100.00%
Compton	577	100.00%	99.48%	99.83%
Fullerton	212	100.00%	100.00%	100.00%
Huntington Beach	317	100.00%	100.00%	100.00%
Long Beach	421	100.00%	100.00%	99.76%
San Joaquin	403	100.00%	99.50%	100.00%
Whittier	254	100.00%	100.00%	100.00%
Wildomar	4856	100.00%	99.73%	99.90%
Kernville	1048	99.90%	94.08%	99.62%
Redlands	978	99.90%	99.49%	100.00%
Ontario	2777	99.89%	99.03%	99.60%
Menifee	6053	99.83%	98.99%	100.00%
Covina	1118	99.82%	98.93%	99.91%
Victorville	971	99.69%	98.35%	100.00%
Saddleback	367	99.46%	95.64%	100.00%
Arrowhead	5420	99.39%	95.18%	99.69%
Thousand Oaks	5814	99.35%	96.18%	99.52%
Ventura	4357	99.27%	96.83%	99.61%
Foothill	403	99.26%	96.03%	99.50%
Montebello	762	98.82%	94.62%	99.48%
Antelope Valley	1294	98.76%	91.96%	99.77%
South Bay	3700	98.62%	93.05%	99.00%
Valencia	1020	98.53%	95.78%	99.41%
Monrovia	4380	98.15%	86.39%	99.73%

Pruning Contractor Performance | **Distribution** | Transmission

Arborworks | Davey Tree Exp... | Mowbrays Tree... | Rolling Green | Utility Tree Ser...



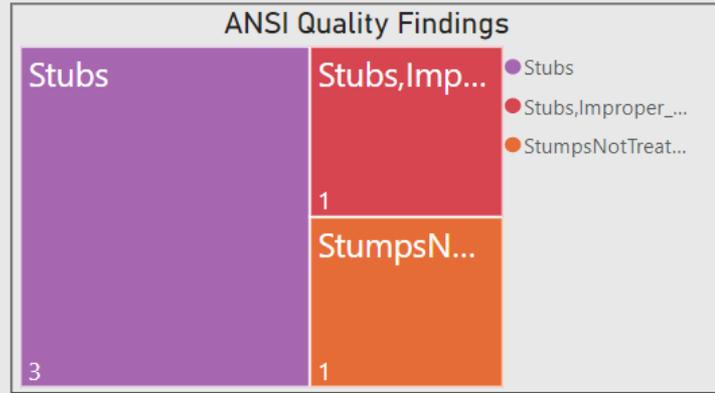
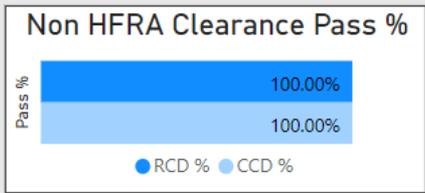
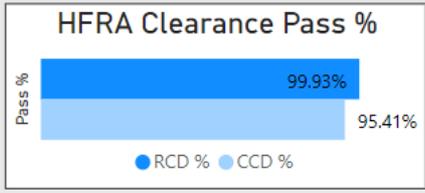
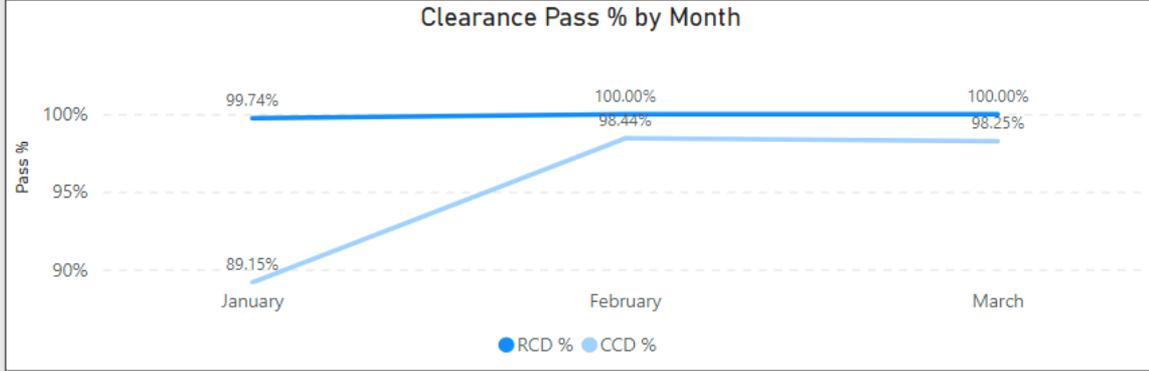
Total Trees Last Touched 48953	Overall RCD Pass % 99.38%	Overall CCD Pass % 96.08%	ANSI Quality Pass % 99.69%
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Pruning Contractor – Arborworks (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
29-Palms	617	100.00%	98.87%	99.84%
Blythe	384	100.00%	100.00%	100.00%
Kernville	1048	99.90%	94.08%	99.62%

Pruning Contractor Performance Distribution

- Arborworks
- Davey Tree Exp...
- Mowbrays Tree...
- Rolling Green
- Utility Tree Ser...



Total Trees Last Touched
2052

Overall RCD Pass %
99.95%

Overall CCD Pass %
96.63%

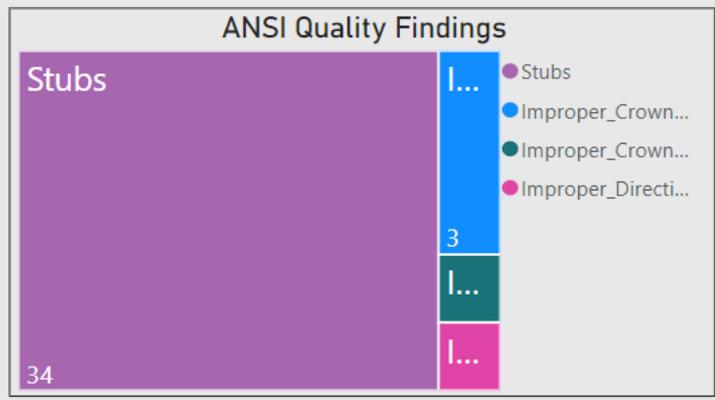
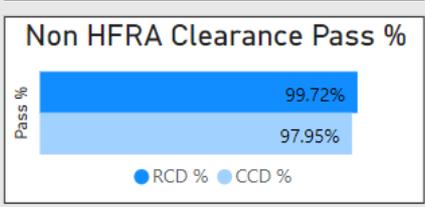
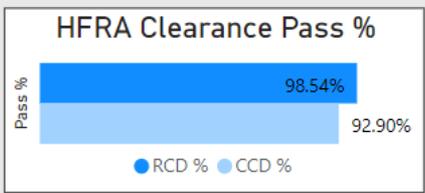
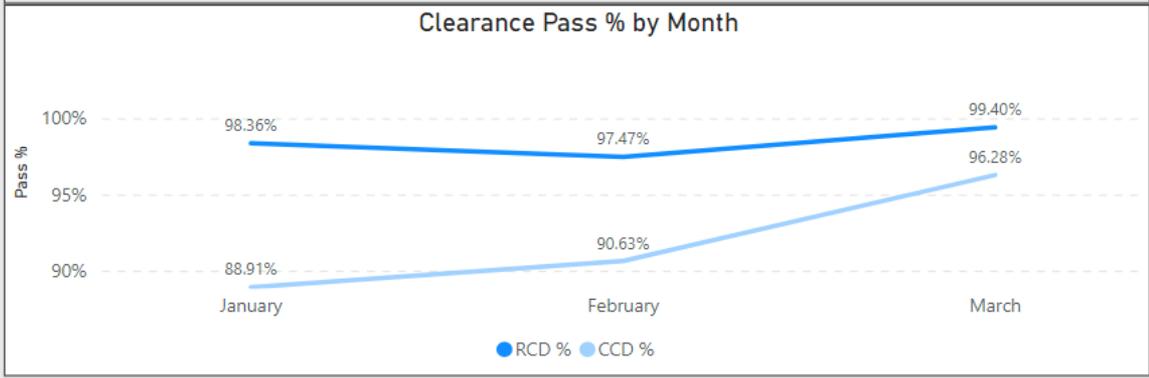
ANSI Quality Pass %
99.76%

Pruning Contractor – Davey Tree Experts (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Compton	577	100.00%	99.48%	99.83%
Long Beach	421	100.00%	100.00%	99.76%
Whittier	254	100.00%	100.00%	100.00%
South Bay	3700	98.62%	93.05%	99.00%

Pruning Contractor Performance | **Distribution** | Transmission

Arborworks | **Davey Tree Exp...** | Mowbrays Tree... | Rolling Green | Utility Tree Ser...



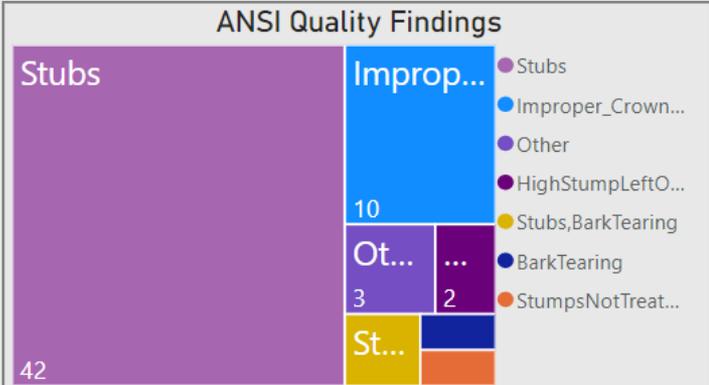
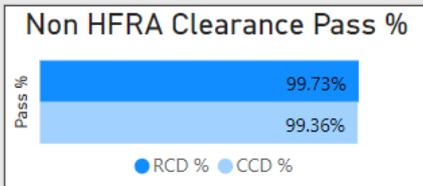
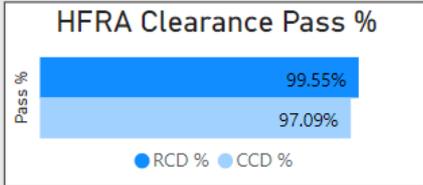
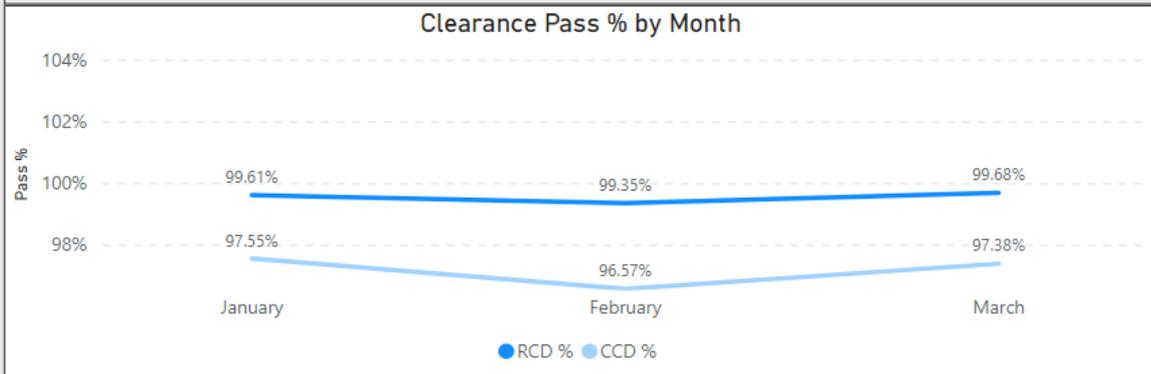
Total Trees Last Touched 4980	Overall RCD Pass % 98.97%	Overall CCD Pass % 94.75%	ANSI Quality Pass % 99.22%
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Pruning Contractor – Mowbrays Tree Service (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
San Joaquin	403	100.00%	99.50%	100.00%
Wildomar	4856	100.00%	99.73%	99.90%
Redlands	978	99.90%	99.49%	100.00%
Menifee	6053	99.83%	98.99%	100.00%
Victorville	971	99.69%	98.35%	100.00%
Arrowhead	5420	99.39%	95.18%	99.69%
Thousand Oaks	5814	99.35%	96.18%	99.52%
Foothill	403	99.26%	96.03%	99.50%
Antelope Valley	1294	98.76%	91.96%	99.77%
Valencia	1020	98.53%	95.78%	99.41%

Pruning Contractor Performance Distribution

Arborworks Davey Tree Exp... **Mowbrays Tree...** Rolling Green Utility Tree Ser...



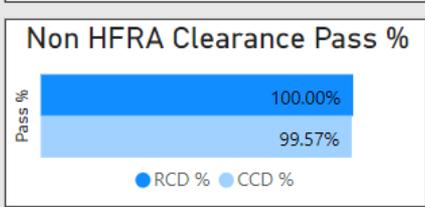
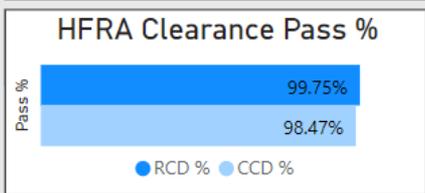
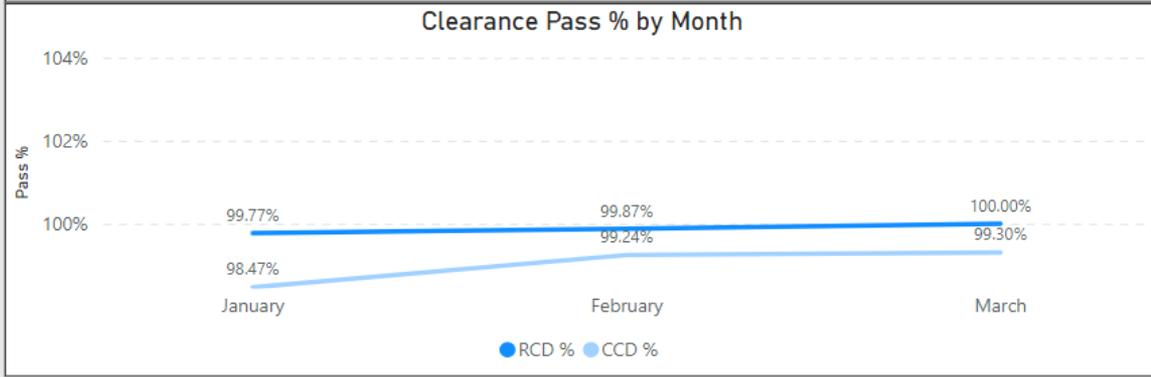
Total Trees Last Touched 27536	Overall RCD Pass % 99.56%	Overall CCD Pass % 97.27%	ANSI Quality Pass % 99.78%
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Pruning Contractor – Rolling Green (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Ontario	2777	99.89%	99.03%	99.60%
Covina	1118	99.82%	98.93%	99.91%

Pruning Contractor Performance **Distribution**

Arborworks | Davey Tree Exp... | Mowbrays Tree... | **Rolling Green** | Utility Tree Ser...



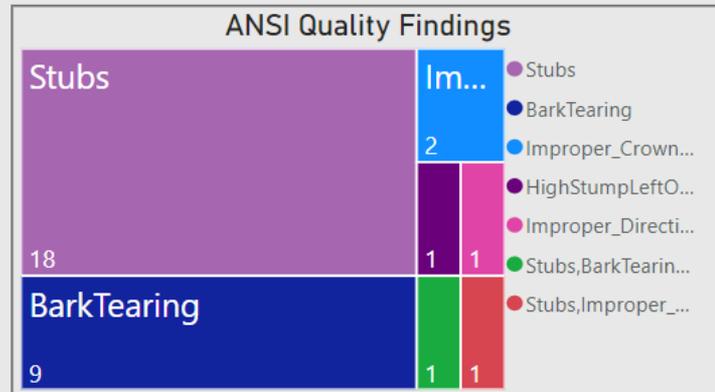
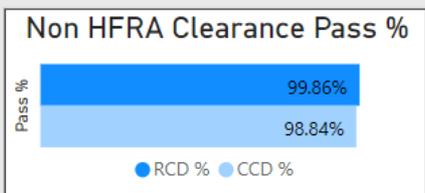
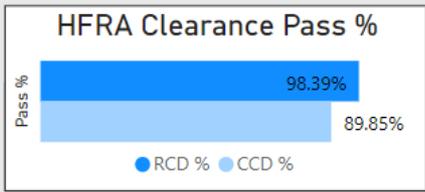
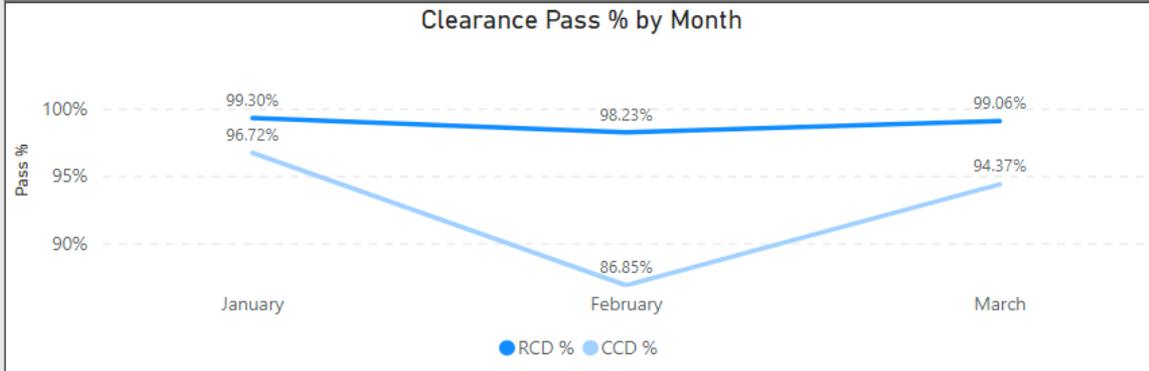
Total Trees Last Touched 3920	Overall RCD Pass % 99.87%	Overall CCD Pass % 99.00%	ANSI Quality Pass % 99.69%
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Pruning Contractor – Utility Tree Service (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Fullerton	212	100.00%	100.00%	100.00%
Huntington Beach	317	100.00%	100.00%	100.00%
Saddleback	367	99.46%	95.64%	100.00%
Ventura	4357	99.27%	96.83%	99.61%
Montebello	762	98.82%	94.62%	99.48%
Monrovia	4380	98.15%	86.39%	99.73%

Pruning Contractor Performance | **Distribution** | Transmission

Arborworks | Davey Tree Exp... | Mowbrays Tree... | Rolling Green | **Utility Tree Ser...**



Total Trees Last Touched 10465	Overall RCD Pass % 98.81%	Overall CCD Pass % 92.39%	ANSI Quality Pass % 99.68%
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Inspection Contractor – Overall Performance (T&D)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
29-Palms	174	0	100.00%	8	4.60%
Blythe	212	0	100.00%	0	0.00%
Covina	128	0	100.00%	6	4.69%
Montebello	151	0	100.00%	6	3.97%
Ontario	158	0	100.00%	5	3.16%
Saddleback	106	0	100.00%	1	0.94%
San Joaquin	391	0	100.00%	5	1.28%
Santa Barbara	263	0	100.00%	0	0.00%
Whittier	115	0	100.00%	0	0.00%
Wildomar	535	0	100.00%	0	0.00%
Ventura	2633	1	99.96%	20	0.76%
Thousand Oaks	1645	2	99.88%	23	1.40%
Antelope Valley	2337	6	99.74%	170	7.27%
South Bay	1754	6	99.66%	19	1.08%
Menifee	1747	7	99.60%	13	0.74%
Valencia	475	2	99.58%	14	2.95%
Huntington Beach	225	1	99.56%	0	0.00%
Foothill	401	2	99.50%	7	1.75%
Arrowhead	1828	13	99.29%	158	8.64%
Kernville	2685	20	99.26%	212	7.90%
Monrovia	1222	10	99.18%	86	7.04%

Inspection Contractor Performance

ACRT CNUC Davey UPE

Total Trees Last Touched
28123

Overall RCD Pass %
99.55%

Overall CCD Pass %
97.70%

Clearance Pass % by Month

Month	RCD %	CCD %
January	99.52%	98.23%
February	99.62%	97.84%
March	99.56%	97.28%

Inspection Accuracy Rates by Month

Month	Inventory Inflation Rate	Missed Tree Rate
January	0.87%	1.59%
February	1.44%	1.31%
March	0.57%	1.55%

Total Trees QC'd
78997

Missed Rate
1.49%

Inflation Rate
0.87%

Work Type Accuracy
98.89%

Species ID
99.11%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – YTD Missed Tree Trend (Transmission)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Antelope Valley	111	0	100.00%	0	0.00%
Saddleback	106	0	100.00%	1	0.94%
Santa Barbara	263	0	100.00%	0	0.00%
Valencia	126	0	100.00%	0	0.00%

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

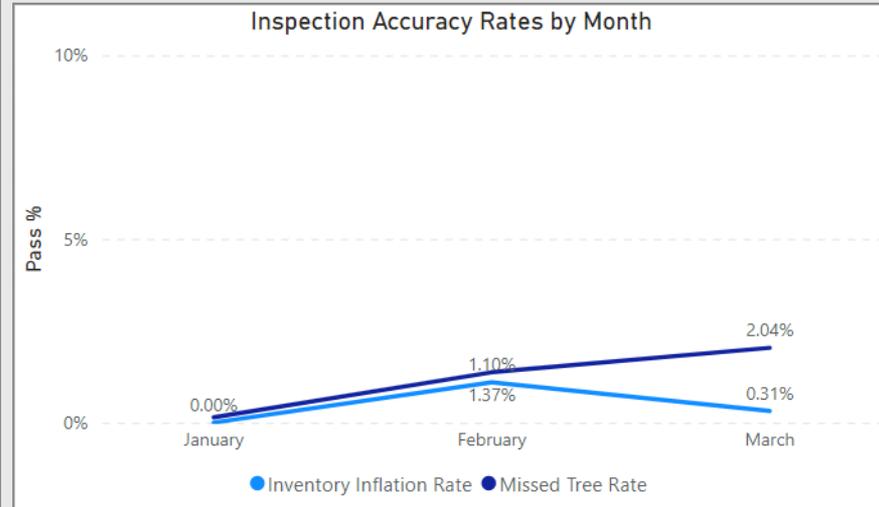
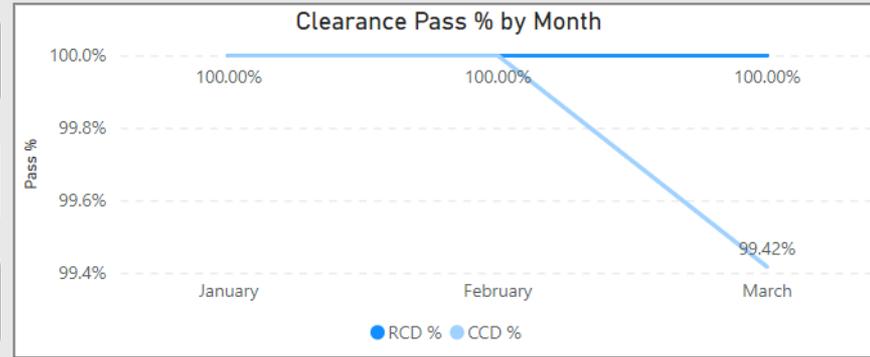
Davey

UPE

Total Trees Last Touched
1367

Overall RCD Pass %
99.93%

Overall CCD Pass %
99.78%



Total Trees QC'd
3115

Missed Rate
1.06%

Inflation Rate
0.26%

Work Type Accuracy
99.81%

Species ID
99.49%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – ACRT (Transmission)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Santa Barbara	263	0	100.00%	0	0.00%

Inspection Contractor Performance
Distribution
Transmission

ACRT
CNUC
Davey
UPE

Total Trees Last Touched

376

Overall RCD Pass %

100.00%

Overall CCD Pass %

100.00%

Clearance Pass % by Month

Month	RCD %	CCD %
January	100.00%	100.00%
February	100.00%	100.00%
March	100.00%	100.00%

Inspection Accuracy Rates by Month

Month	Inventory Inflation Rate	Missed Tree Rate
January	0.00%	0.00%
February	0.00%	0.00%

Total Trees QC'd

695

Missed Rate

0.00%

Inflation Rate

0.00%

Work Type Accuracy

100.00%

Species ID

100.00%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Energy for What's AheadSM 33

Inspection Contractor – CNUC (Transmission)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Saddleback	106	0	100.00%	1	0.94%

Inspection Contractor Performance
Distribution
Transmission

ACRT
CNUC
Davey
UPE

Total Trees Last Touched

457

Overall RCD Pass %

99.78%

Overall CCD Pass %

99.33%

Clearance Pass % by Month

Month	RCD %	CCD %
January	100.00%	100.00%
February	100.00%	100.00%
March	99.06%	100.00%

Inspection Accuracy Rates by Month

Month	Inventory Inflation Rate	Missed Tree Rate
February	1.16%	1.45%
March	0.44%	0.33%

Total Trees QC'd

1291

Missed Rate

0.62%

Inflation Rate

0.62%

Work Type Accuracy

99.77%

Species ID

98.92%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – Davey (Transmission)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
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Inspection Contractor Performance

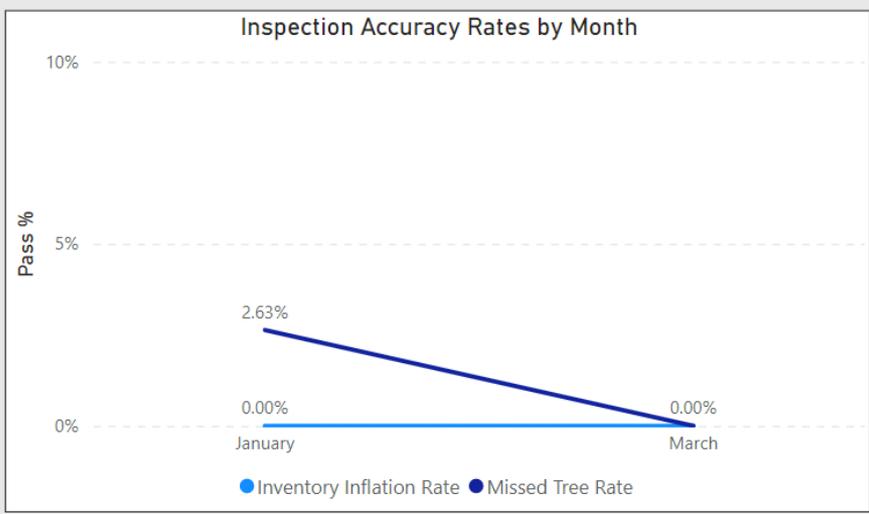
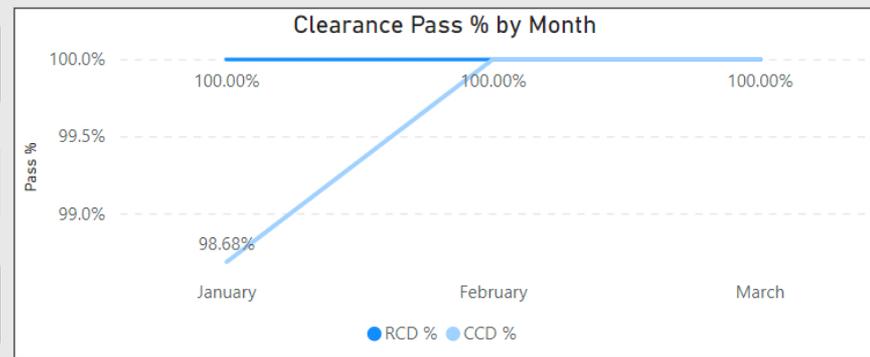
ACRT | CNUC | **Davey** | UPE

Distribution: **Transmission**

Total Trees Last Touched
62

Overall RCD Pass %
100.00%

Overall CCD Pass %
100.00%



Total Trees QC'd
211

Missed Rate
0.95%

Inflation Rate
0.00%

Work Type Accuracy
98.58%

Species ID
99.53%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – UPE (Transmission)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Antelope Valley	111	0	100.00%	0	0.00%
Valencia	126	0	100.00%	0	0.00%

Inspection Contractor Performance

ACRT
CNUC
Davey
UPE

Total Trees Last Touched
472

Overall RCD Pass %
100.00%

Overall CCD Pass %
100.00%

Clearance Pass % by Month

Month	RCD %	CCD %
January	100.00%	100.00%
February	100.00%	100.00%
March	100.00%	100.00%

Inspection Accuracy Rates by Month

Month	Inventory Inflation Rate	Missed Tree Rate
January	0.00%	0.00%
March	9.50%	0.00%

Total Trees QC'd
910

Missed Rate
2.53%

Inflation Rate
0.00%

Work Type Accuracy
100.00%

Species ID
99.89%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – YTD Missed Tree Trend (Distribution)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
29-Palms	174	0	100.00%	8	4.60%
Blythe	212	0	100.00%	0	0.00%
Covina	128	0	100.00%	6	4.69%
Montebello	151	0	100.00%	6	3.97%
Ontario	158	0	100.00%	5	3.16%
San Joaquin	391	0	100.00%	5	1.28%
Whittier	115	0	100.00%	0	0.00%
Wildomar	535	0	100.00%	0	0.00%
Ventura	2633	1	99.96%	20	0.76%
Thousand Oaks	1645	2	99.88%	23	1.40%
Antelope Valley	2226	6	99.73%	170	7.64%
South Bay	1754	6	99.66%	19	1.08%
Menifee	1747	7	99.60%	13	0.74%
Huntington Beach	225	1	99.56%	0	0.00%
Foothill	401	2	99.50%	7	1.75%
Valencia	349	2	99.43%	14	4.01%
Arrowhead	1828	13	99.29%	158	8.64%
Kernville	2685	20	99.26%	212	7.90%
Monrovia	1222	10	99.18%	86	7.04%

Inspection Contractor Performance

Distribution
Transmission

ACRT
CNUC
Davey
UPE

Total Trees Last Touched
26707

Overall RCD Pass %
99.53%

Overall CCD Pass %
97.59%

Clearance Pass % by Month

Month	RCD %	CCD %
January	99.46%	98.03%
February	99.61%	97.79%
March	99.55%	97.21%

Inspection Accuracy Rates by Month

Month	Inventory Inflation Rate	Missed Tree Rate
January	0.93%	1.68%
February	1.44%	1.32%
March	0.58%	1.52%

Total Trees QC'd
75833

Missed Rate
1.51%

Inflation Rate
0.90%

Work Type Accuracy
98.86%

Species ID
99.09%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – ACRT (Distribution)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
29-Palms	174	0	100.00%	8	4.60%
Blythe	212	0	100.00%	0	0.00%
San Joaquin	391	0	100.00%	5	1.28%
Ventura	2633	1	99.96%	20	0.76%
Kernville	2685	20	99.26%	212	7.90%

Inspection Contractor Performance

ACRT
Davey
UPE

Total Trees Last Touched
7980

Overall RCD Pass %
99.70%

Overall CCD Pass %
98.36%

Clearance Pass % by Month

Month	RCD %	CCD %
January	99.42%	98.01%
February	99.69%	98.03%
March	99.94%	98.87%

Inspection Accuracy Rates by Month

Month	Inventory Inflation Rate	Missed Tree Rate
January	0.40%	3.27%
February	1.85%	1.38%
March	0.57%	1.34%

Total Trees QC'd
14855

Missed Rate
1.98%

Inflation Rate
0.81%

Work Type Accuracy
99.91%

Species ID
99.64%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – CNUC (Distribution)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Covina	128	0	100.00%	6	4.69%
Montebello	151	0	100.00%	6	3.97%
Ontario	158	0	100.00%	5	3.16%
Wildomar	535	0	100.00%	0	0.00%
Menifee	1747	7	99.60%	13	0.74%
Huntington Beach	225	1	99.56%	0	0.00%
Foothill	401	2	99.50%	7	1.75%
Arrowhead	1828	13	99.29%	158	8.64%
Monrovia	1222	10	99.18%	86	7.04%

Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey
UPE

Total Trees Last Touched
10696

Overall RCD Pass %
99.41%

Overall CCD Pass %
96.97%

Clearance Pass % by Month

Month	RCD %	CCD %
January	99.57%	97.54%
February	99.45%	96.98%
March	99.42%	96.80%

Inspection Accuracy Rates by Month

Month	Inventory Inflation Rate	Missed Tree Rate
January	1.04%	1.17%
February	1.25%	1.27%
March	0.54%	1.05%

Total Trees QC'd
39657

Missed Rate
1.08%

Inflation Rate
0.97%

Work Type Accuracy
99.00%

Species ID
99.23%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – Davey (Distribution)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Whittier	115	0	100.00%	0	0.00%
South Bay	1754	6	99.66%	19	1.08%

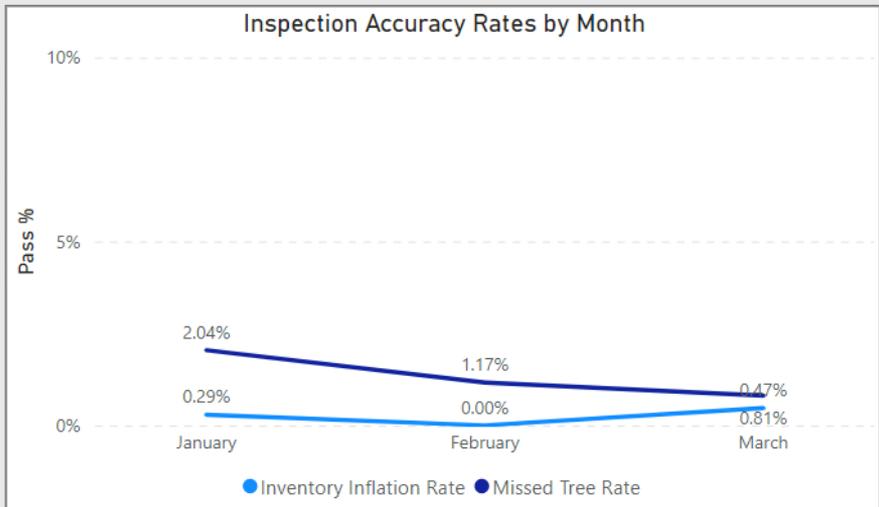
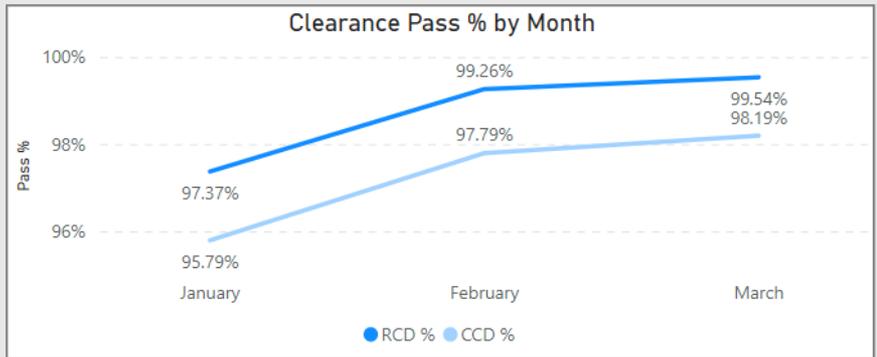
Inspection Contractor Performance

ACRT | **Davey** | UPE

Total Trees Last Touched
2401

Overall RCD Pass %
99.37%

Overall CCD Pass %
98.02%



Total Trees QC'd
7387

Missed Rate
0.95%

Inflation Rate
0.39%

Work Type Accuracy
95.52%

Species ID
99.32%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field

Inspection Contractor – UPE (Distribution)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
Thousand Oaks	1645	2	99.88%	23	1.40%
Antelope Valley	2226	6	99.73%	170	7.64%
Valencia	349	2	99.43%	14	4.01%

Inspection Contractor Performance
Distribution
Transmission

ACRT
CRUC
Davey
UPE

Total Trees Last Touched
5630

Overall RCD Pass %
99.58%

Overall CCD Pass %
97.49%

Clearance Pass % by Month

Month	RCD %	CCD %
January	99.64%	98.92%
February	99.87%	99.08%
March	99.07%	93.45%

Inspection Accuracy Rates by Month

Month	Inventory Inflation Rate	Missed Tree Rate
January	0.93%	1.69%
February	1.33%	2.02%
March	0.86%	4.06%

Total Trees QC'd
7387

Missed Rate
2.51%

Inflation Rate
1.07%

Work Type Accuracy
95.52%

Species ID
99.32%

- Missed Tree Quantity: Amount of trees identified by QC but not listed in VM tree database
- Inventory Inflation Quantity: Amount of trees listed in VM database but not located in the field