

# VM Performance Review Meeting

March 11, 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		100% Inspection
90-95	16.65	80.68	536	1035		
80-90	13.19	93.87	1126	2161		
70-80	4.04	97.91	1100	3261		99/1.7
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	% to 8145	Goal	Actual	Plus	% to 6125	Goal	Actual	Plus	% to 2020
			Delta				Delta				Delta	
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				1531.2				504.9			
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	N/A	99.37
Transmission	100.00	100.00	N/A	100.00
Distribution	99.40	99.27	N/A	99.34
RCD CONFORMANCE % – PRUNING CONTRACTORS				
T & D	99.59	99.13	N/A	99.38
Transmission	100.00	100.00	N/A	100.00
Distribution	99.57	99.12	N/A	99.36
RCD CONFORMANCE % – INSPECTION CONTRACTORS				
T & D	99.43	99.28	N/A	99.45
Transmission	100.00	100.00	N/A	100.00
Distribution	99.40	99.27	N/A	99.42

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	N/A	96.43
Transmission	98.86	98.63	N/A	98.82
Distribution	97.02	95.59	N/A	96.34
CCD CONFORMANCE % – PRUNING CONTRACTORS				
T & D	97.21	94.60	N/A	96.00
Transmission	99.83	97.04	N/A	99.20
Distribution	97.10	94.57	N/A	95.92
CCD CONFORMANCE % – INSPECTION CONTRACTORS				
T & D	97.13	95.64	N/A	97.46
Transmission	98.86	98.63	N/A	98.54
Distribution	97.02	95.59	N/A	97.39

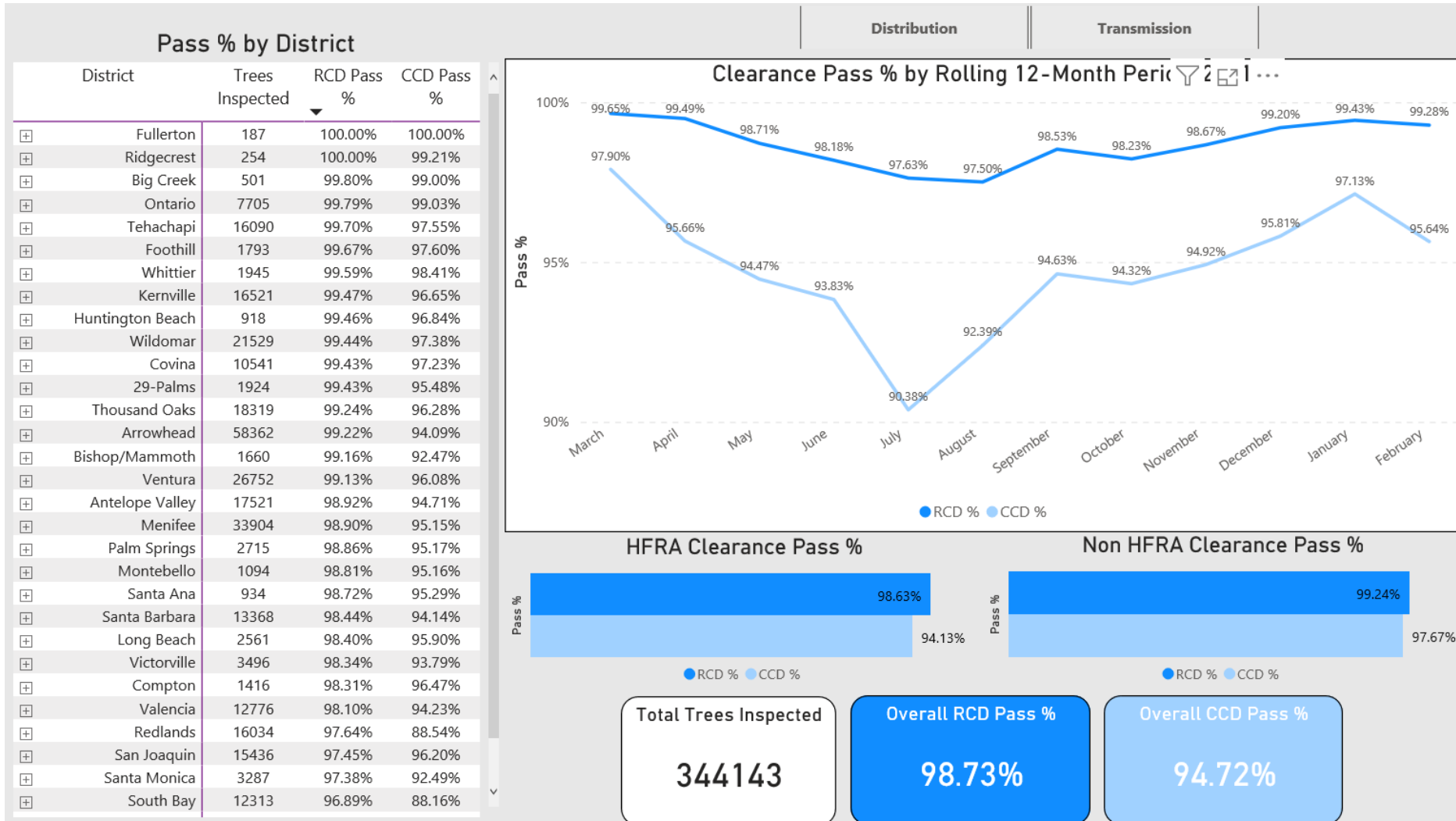
CCD = Compliance Clearance Distance    NIP = No QC Inspections Performed    Transmission CCD incorporates Sag & Sway

< 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



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

T	Compliance Zone	HFRA	D	Compliance Zone	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'

# VM Performance – Transmission (Rolling 12 months)

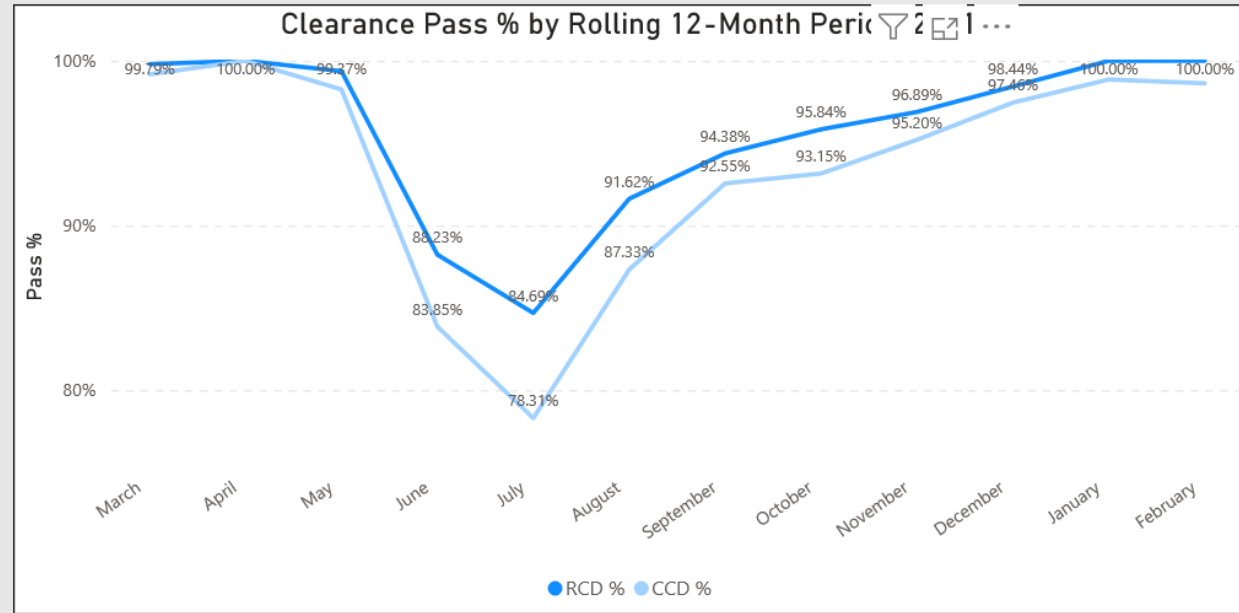
VM Lead: Bill

## Pass % by District

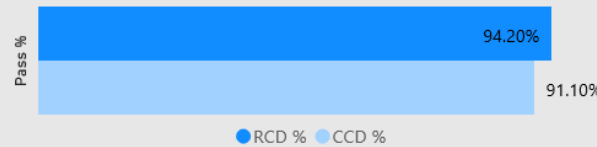
District	Trees Inspected	RCD Pass %	CCD Pass %
+ Bishop/Mammoth	879	100.00%	99.77%
+ Covina	283	100.00%	100.00%
+ Long Beach	181	100.00%	100.00%
+ Menifee	158	100.00%	100.00%
+ Thousand Oaks	1550	99.94%	99.55%
+ South Bay	463	99.78%	99.78%
+ Ontario	1882	99.73%	99.47%
+ Kernville	218	99.54%	99.54%
+ Victorville	233	99.14%	93.56%
+ Santa Barbara	853	98.48%	97.30%
+ Santa Ana	225	98.22%	96.44%
+ Palm Springs	301	98.01%	96.35%
+ Monrovia	2695	97.03%	94.99%
+ Antelope Valley	1765	96.03%	91.50%
+ Ventura	548	94.34%	91.79%
+ Valencia	1840	93.37%	90.33%
+ San Joaquin	1692	77.42%	69.15%
+ Saddleback	1371	77.39%	67.40%

Distribution

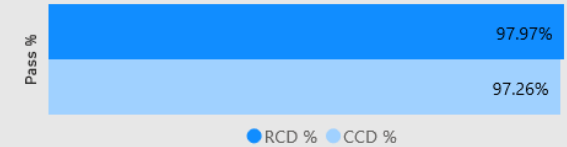
Transmission



## HFRA Clearance Pass %



## Non HFRA Clearance Pass %



Total Trees Inspected

20905

Overall RCD Pass %

94.92%

Overall CCD Pass %

92.27%

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

T	Compliance Zone	HFRA	D	Compliance Zone	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'

# VM Performance – Distribution (Rolling 12 months)

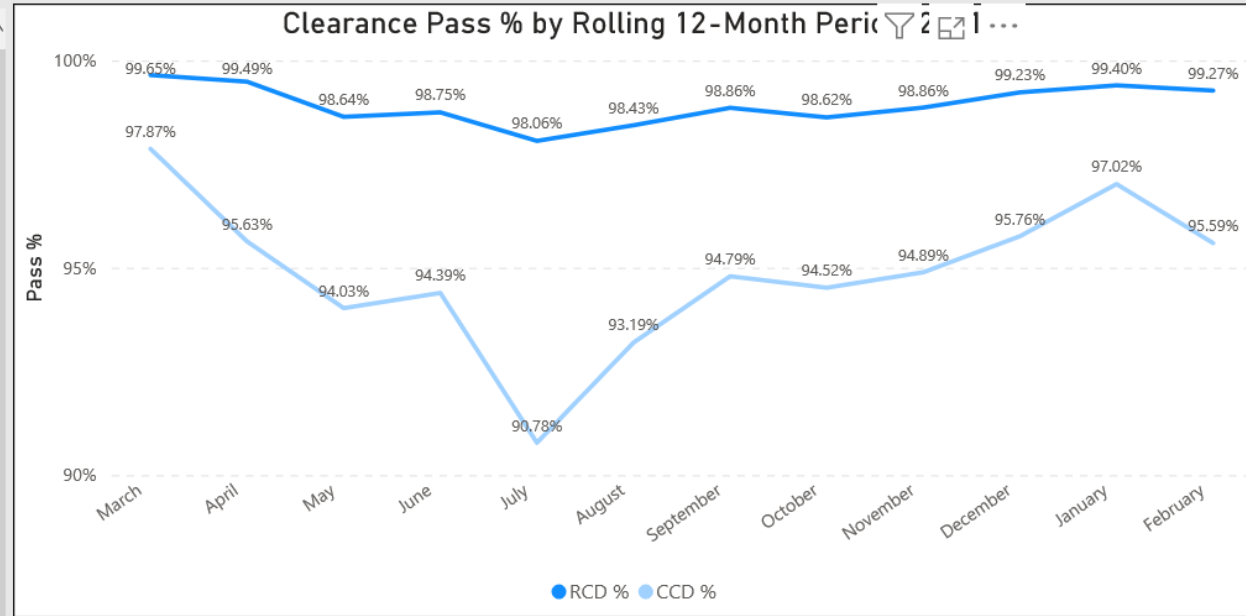
VM Lead: Bill

Pass % by District

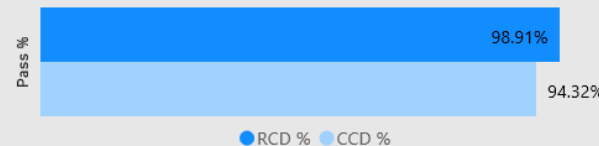
District	Trees Inspected	RCD Pass %	CCD Pass %
Fullerton	187	100.00%	100.00%
Ridgecrest	254	100.00%	99.21%
San Joaquin	13649	99.91%	99.53%
Ontario	5818	99.81%	98.88%
Big Creek	501	99.80%	99.00%
Tehachapi	16090	99.70%	97.55%
Foothill	1793	99.67%	97.60%
Whittier	1935	99.59%	98.40%
Kernville	16186	99.46%	96.58%
Huntington Beach	918	99.46%	96.84%
Wildomar	21529	99.44%	97.38%
29-Palms	1924	99.43%	95.48%
Covina	10258	99.42%	97.15%
Antelope Valley	15553	99.26%	95.05%
Arrowhead	58362	99.22%	94.09%
Ventura	25955	99.22%	96.13%
Thousand Oaks	16738	99.18%	95.97%
Palm Springs	2414	98.96%	95.03%
Menifee	33746	98.90%	95.13%
Valencia	10910	98.89%	94.88%
Santa Ana	709	98.87%	94.92%
Montebello	1094	98.81%	95.16%
Saddleback	2332	98.67%	91.90%
Santa Barbara	12495	98.44%	93.92%
Compton	1416	98.31%	96.47%
Victorville	3263	98.28%	93.81%
Long Beach	2380	98.28%	95.59%
Bishop/Mammoth	728	98.08%	83.24%
Redlands	15904	97.63%	88.47%
Santa Monica	3287	97.38%	92.49%

Distribution

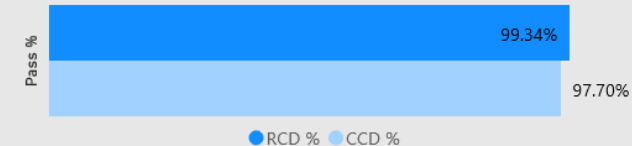
Transmission



HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected

323010

Overall RCD Pass %

98.98%

Overall CCD Pass %

94.88%

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

T	Compliance Zone	HFRA	D	Compliance Zone	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 & Distribution

VM Lead: Bill

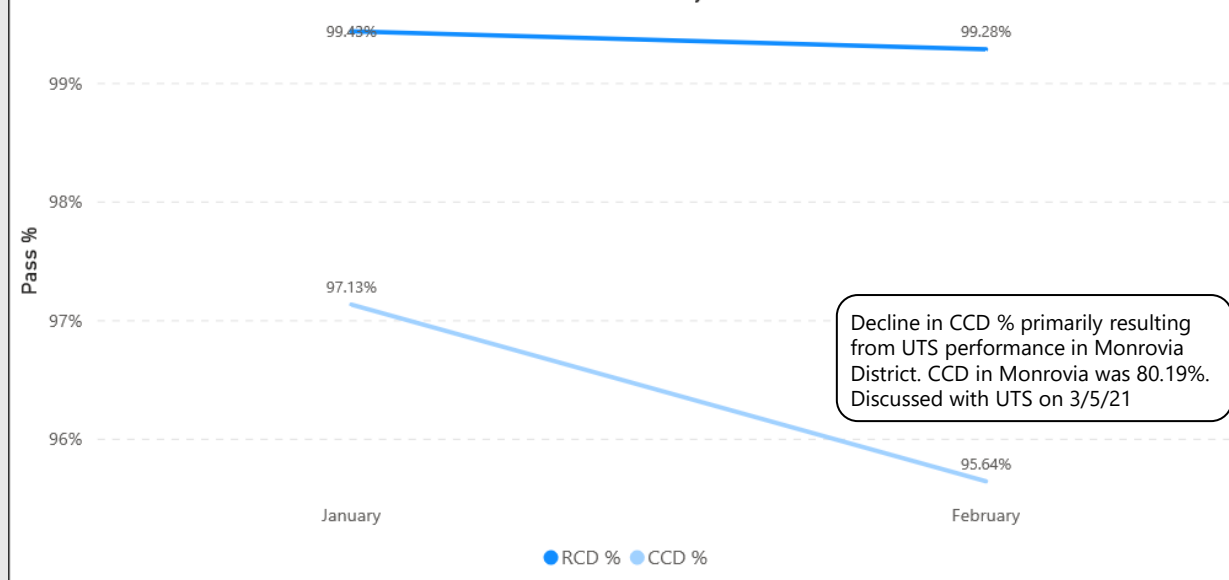
Pass % by District

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%

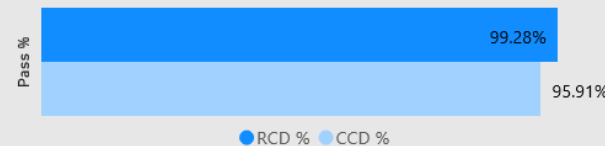
Distribution

Transmission

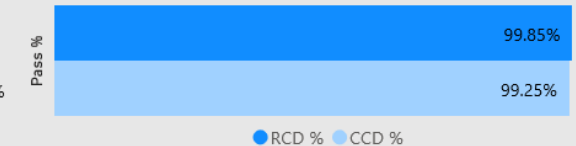
Clearance Pass % by Month



HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected

48151

Overall RCD Pass %

99.37%

Overall CCD Pass %

96.43%

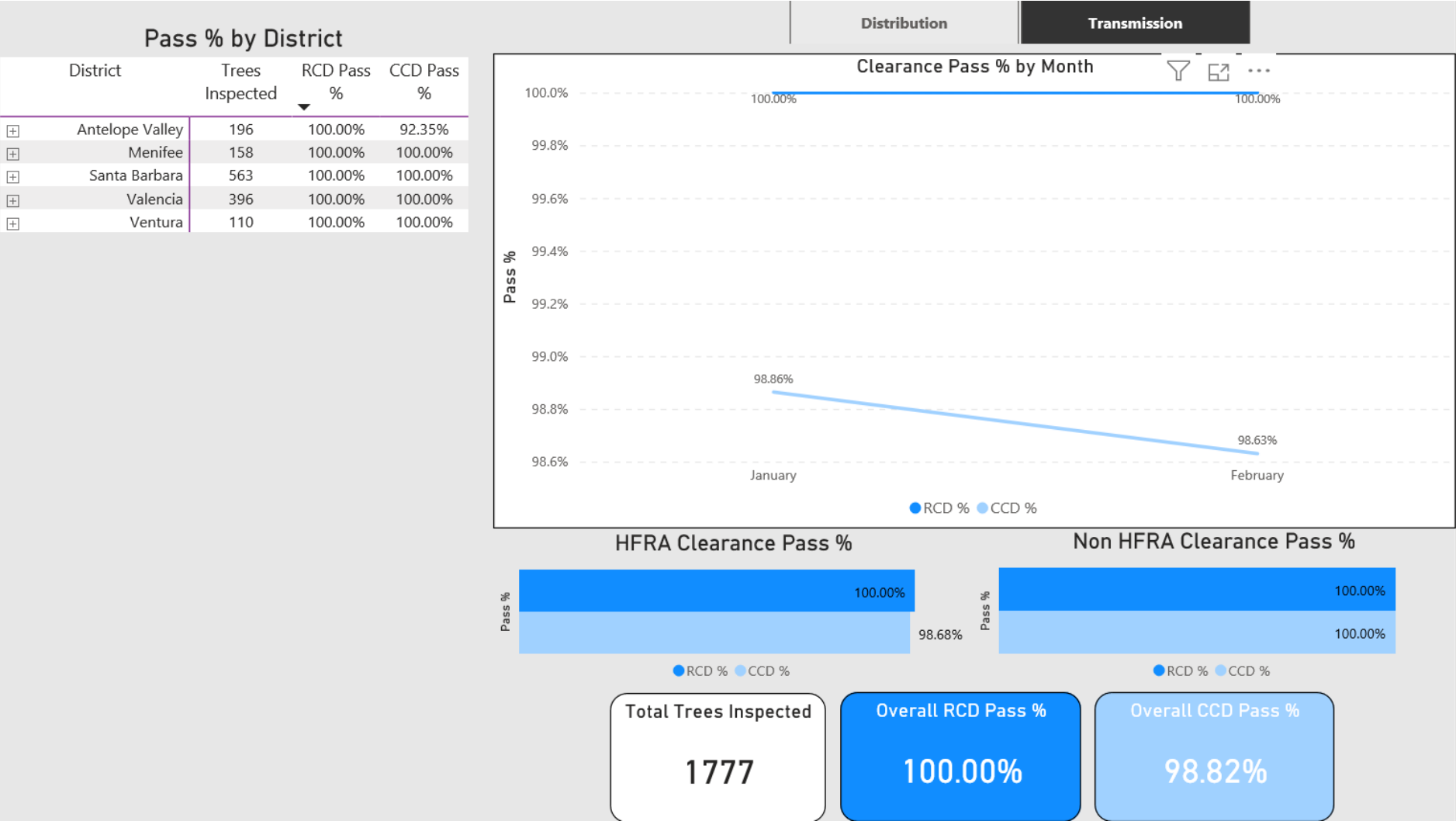
NOTE: RCD & CCD results indicate tree condition clearance at time of QC, not at time of trim

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	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



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

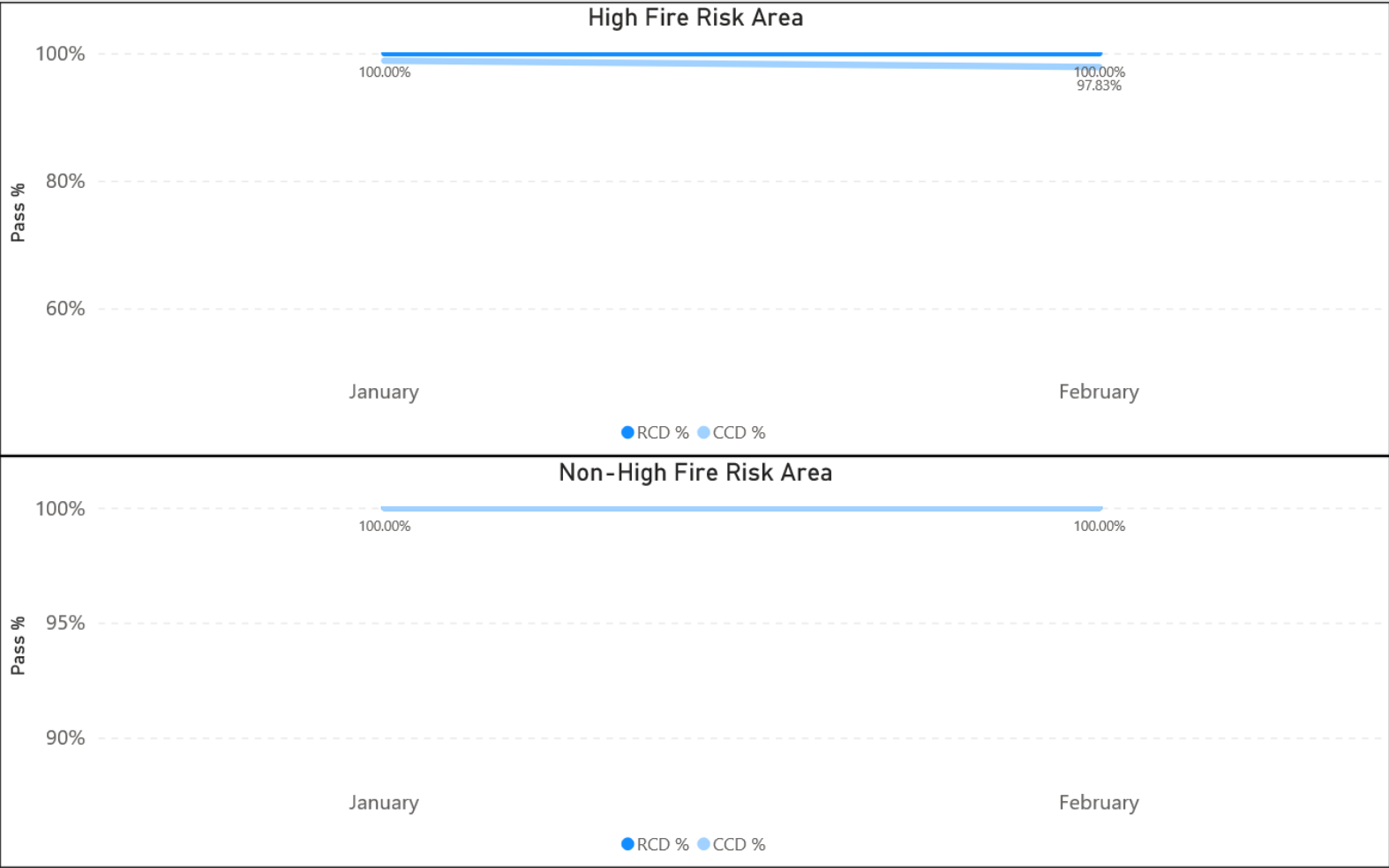
	Compliance Zone	HFRA
T	RCD = Regulation Clearance Distance	10'
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'

# Transmission HFRA / Non-HFRA RCD & CCD Breakdown

## HFRA & Non-HFRA - Overall Program Performance

Distribution

Transmission

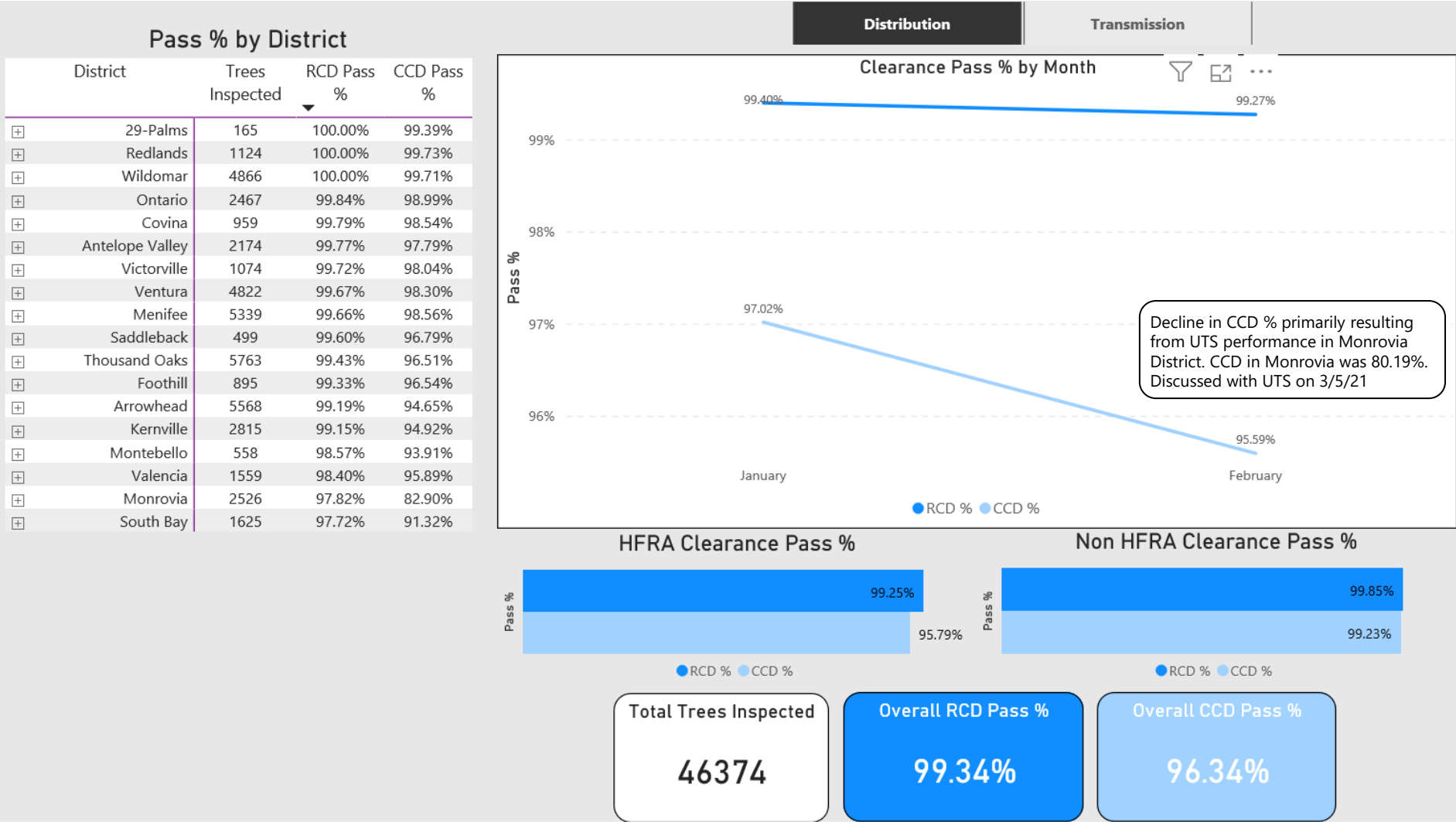


NOTE: RCD and CCD results indicate tree condition clearance at time of QC, not at time of trim

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

# YTD VM Performance – Distribution

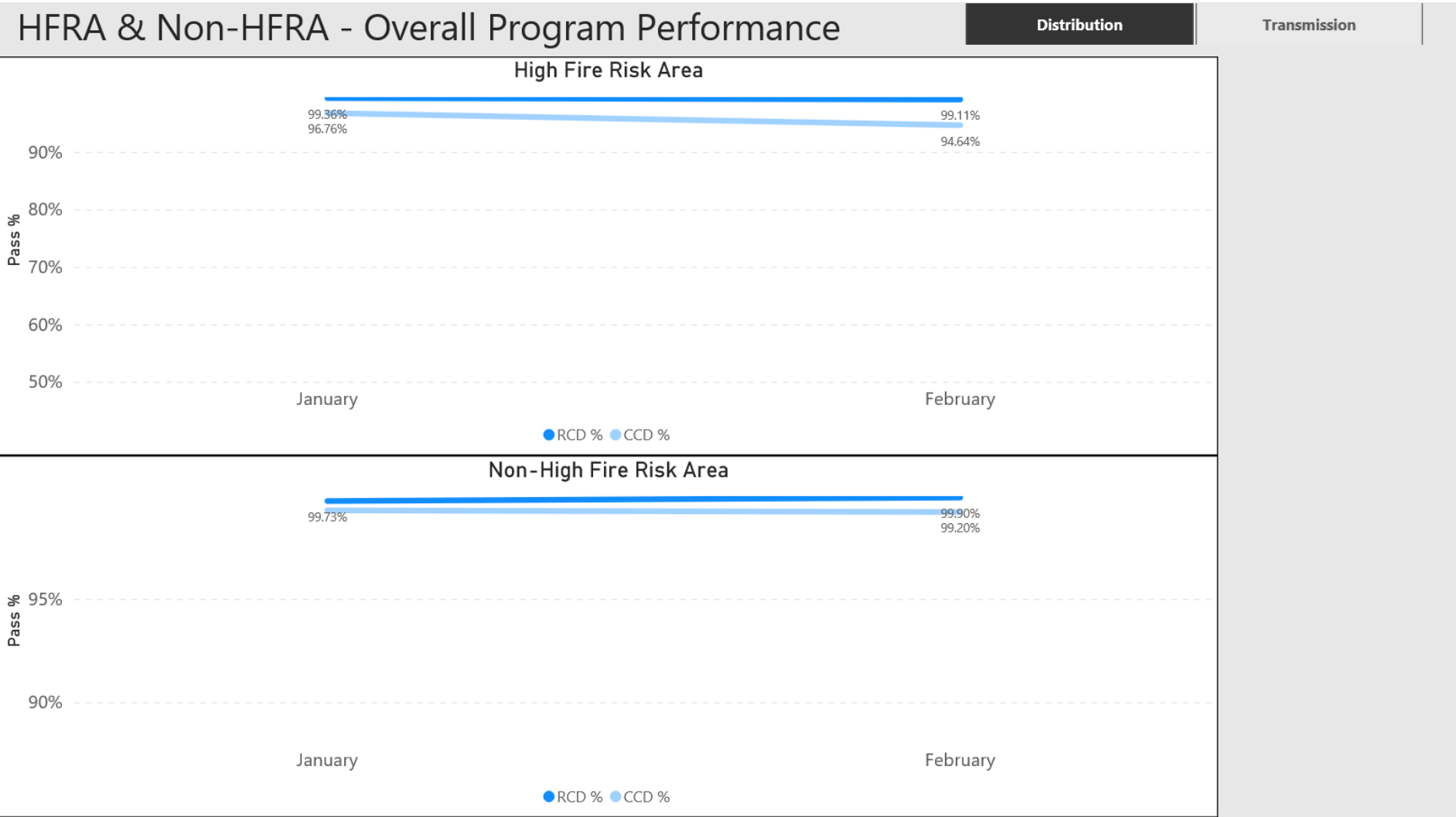
VM Lead: Bill



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'

# Distribution HFRA / Non-HFRA RCD & CCD Breakdown

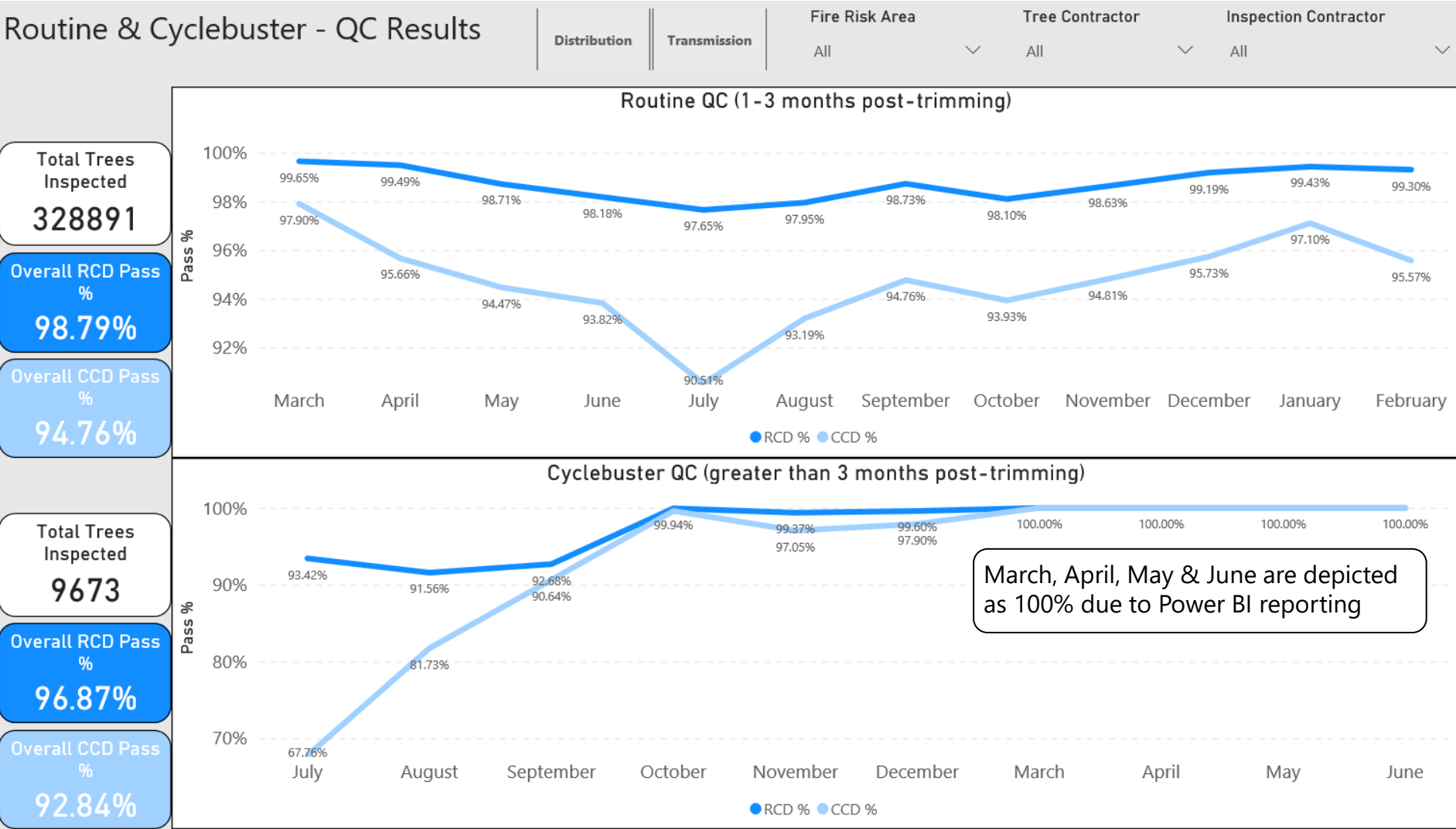


NOTE: RCD and CCD results indicate tree condition clearance at time of QC, not at time of trim

D	Compliance Zone	HFRA	Non-HFRA
	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



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

T	Compliance Zone		HFRA	D	Compliance Zone		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'

# T & D RCD Clearance Breakdown

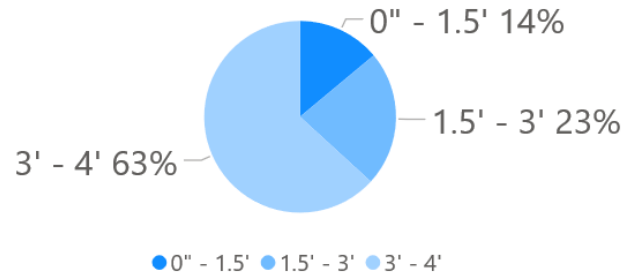
## DISTRIBUTION RCD

1/4/2021

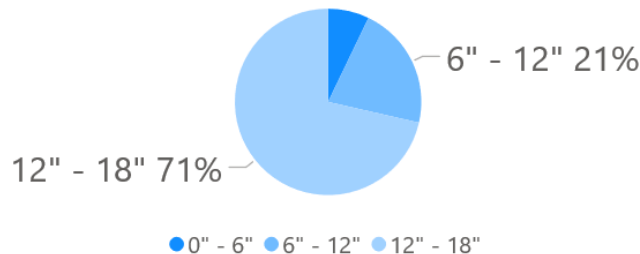
2/28/2021

## TRANSMISSION RCD

### HFRA RCD Clearance



### Non-HFRA RCD Clearance



Distribution Trees Inspected

**45369**

Distribution RCD's Found

**300**

Distribution RCD Pass %

**99.33%**

Transmission RCD Pass %

**100.00%**

Transmission RCD's Found

**0**

Transmission Trees Inspected

**1813**

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

# 2021 RCD Overall Performance (Pruning) – Monthly & YTD

Pruning Contractor RCD Performance by Month			
DVMP/TVMP		January	February
<div> <div></div> <div>Transmission</div> </div>		100.00	100.00
		%	%
	Davey Tree Experts	100.00%	100.00%
	Mowbrays Tree Service	100.00%	100.00%
<div> <div></div> <div>Distribution</div> </div>	Utility Tree Service	100.00%	100.00%
		99.40%	99.27%
	Rolling Green	99.67%	99.90%
	Mowbrays Tree Service	99.49%	99.46%
	Arborworks	98.80%	99.78%
	Utility Tree Service	99.51%	98.61%
	Davey Tree Experts	97.79%	97.63%
	Total	99.43%	99.28%

Total Trees Inspected

48151

Overall RCD Pass %

99.37%

Overall CCD Pass %

96.43%

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

# 2021 RCD Overall Performance (Inspection) – Monthly & YTD

Inspection Contractor RCD Performance by Month			
DVMP/TVMP	January	February	
☐ Transmission	100.00%	100.00%	
	%	%	
ACRT	100.00%	100.00%	
CNUC	100.00%	100.00%	
Davey	100.00%	100.00%	
UPE	100.00%	100.00%	
☐ Distribution	99.45%	99.15%	
ACRT	99.25%	99.82%	
CNUC	99.60%	99.22%	
UPE	99.29%	99.01%	
Davey	98.13%	97.30%	
Total	99.48%	99.16%	

Total Trees Inspected

48151

Overall RCD Pass %

99.37%

Overall CCD Pass %

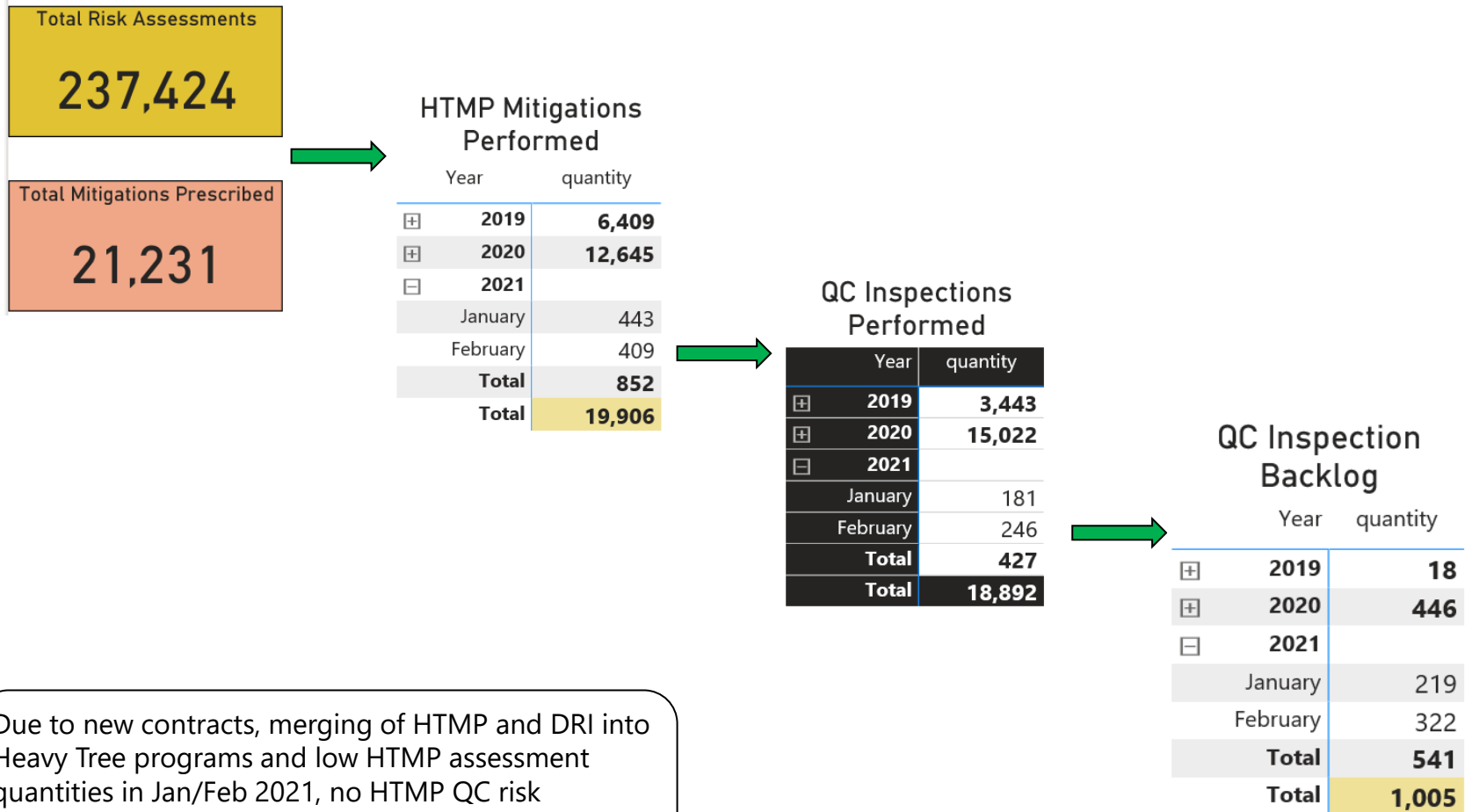
96.43%

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)



Due to new contracts, merging of HTMP and DRI into Heavy Tree programs and low HTMP assessment quantities in Jan/Feb 2021, no HTMP QC risk assessments were performed in February. Resources were moved to routine QC

## Compliance – Other

# ASD Audits

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

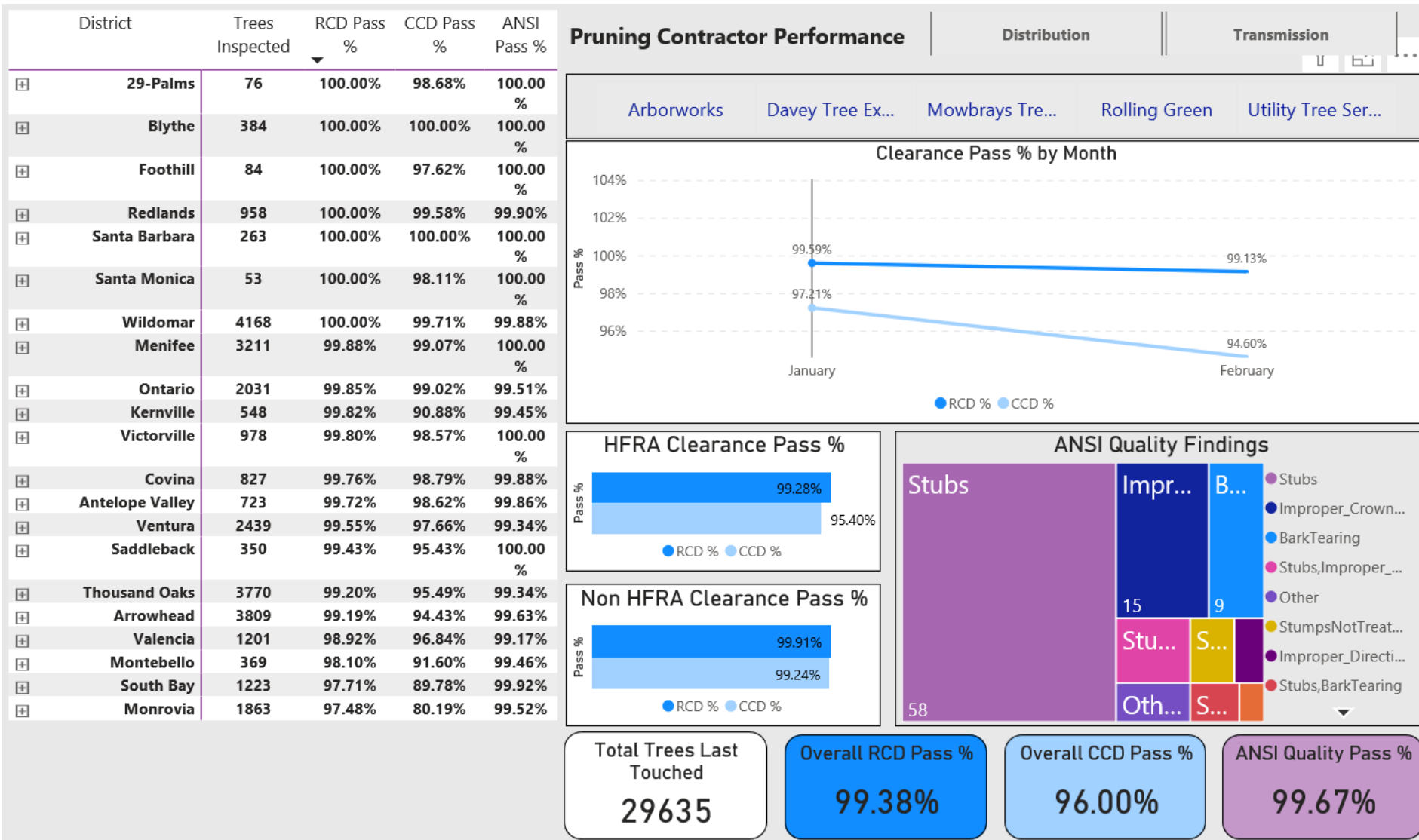
Audit #	Observation #	Details	Due Date	Status
Y20-53070	1	Line Clearance and Data Issues	5/28/2021	On Track
	2	Improve DRI Program Documentation	N/A	Complete: UVM-18 Issued
	3	Pole Brushing Program Documentation is unclear and requires clarification, including defining program criteria and exceptions	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-06)
- SED Cerritos Fire
- City of Acton
- WSD Ad hoc Request

## APPENDIX – Contractor Performance Trending

# Pruning Contractor – Overall Performance (T&D)



# Pruning Contractor – Overall Performance (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Antelope Valley	20	100.00%	100.00%	100.00%
Menifee	66	100.00%	100.00%	100.00%
Redlands	70	100.00%	97.14%	98.57%
Santa Barbara	263	100.00%	100.00%	100.00%
Santa Monica	53	100.00%	98.11%	100.00%
Valencia	193	100.00%	100.00%	97.93%
Ventura	60	100.00%	100.00%	100.00%
Victorville	21	100.00%	85.71%	100.00%

## Pruning Contractor Performance

Distribution

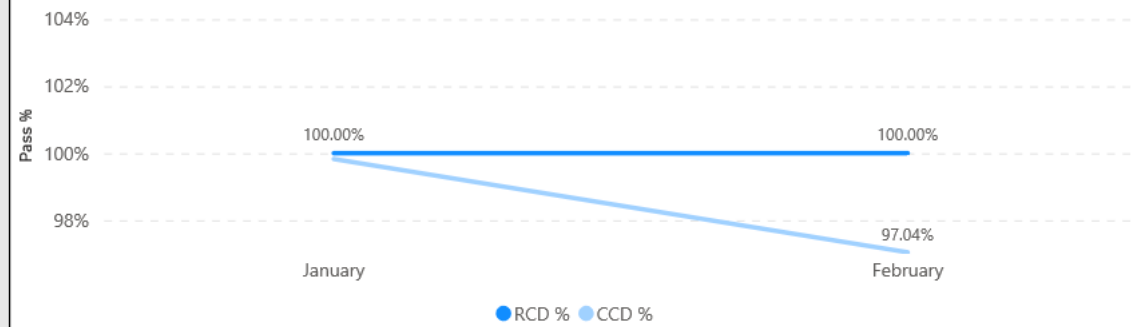
Transmission

Davey Tree Experts

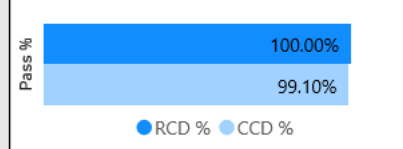
Mowbrays Tree Service

Utility Tree Service

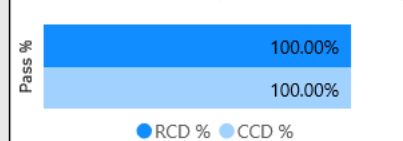
### Clearance Pass % by Month



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings

Stubs, Improper\_Crown...

Im...

Stubs, Improper\_...

Improper\_Crown...

4

1

Total Trees Last Touched

748

Overall RCD Pass %

100.00%

Overall CCD Pass %

99.20%

ANSI Quality Pass %

99.33%



# Pruning Contractor – Davey Tree Experts (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
<b>Santa Monica</b>	<b>53</b>	<b>100.00%</b>	<b>98.11%</b>	<b>100.00%</b>

## Pruning Contractor Performance

Distribution

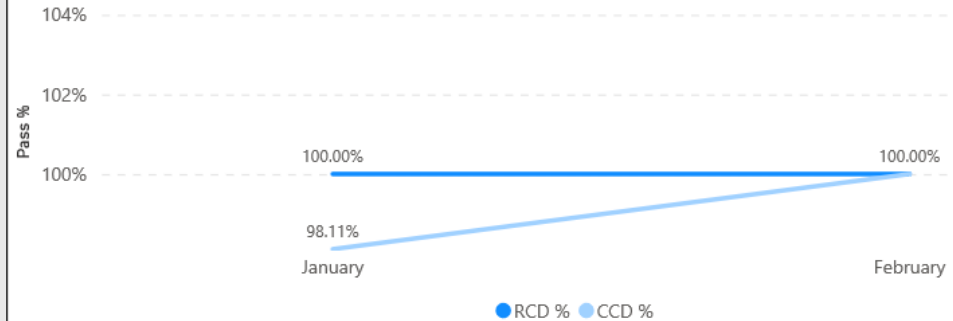
Transmission

Davey Tree Experts

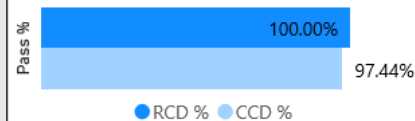
Mowbrays Tree Service

Utility Tree Service

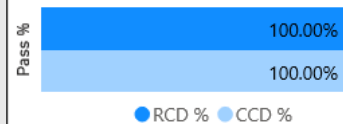
### Clearance Pass % by Month



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings

Total Trees Last Touched

**53**

Overall RCD Pass %

**100.00%**

Overall CCD Pass %

**98.11%**

ANSI Quality Pass %

**100.00%**

# Pruning Contractor – Mowbrays Tree Service (Transmission)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Antelope Valley	20	100.00%	100.00%	100.00%
Menifee	66	100.00%	100.00%	100.00%
Redlands	70	100.00%	97.14%	98.57%
Valencia	193	100.00%	100.00%	97.93%
Victorville	21	100.00%	85.71%	100.00%

## Pruning Contractor Performance

Distribution

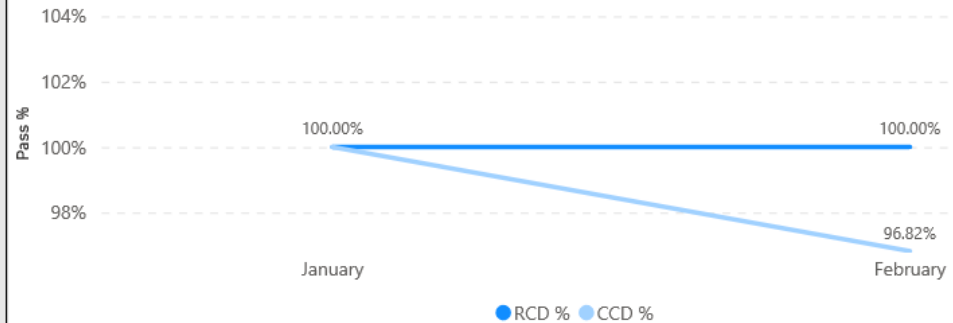
Transmission

Davey Tree Experts

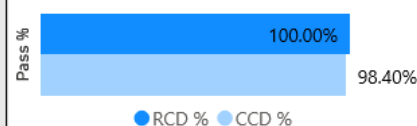
Mowbrays Tree Service

Utility Tree Service

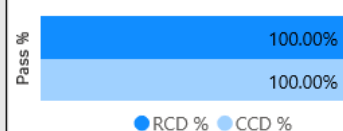
### Clearance Pass % by Month



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

372

Overall RCD Pass %

100.00%

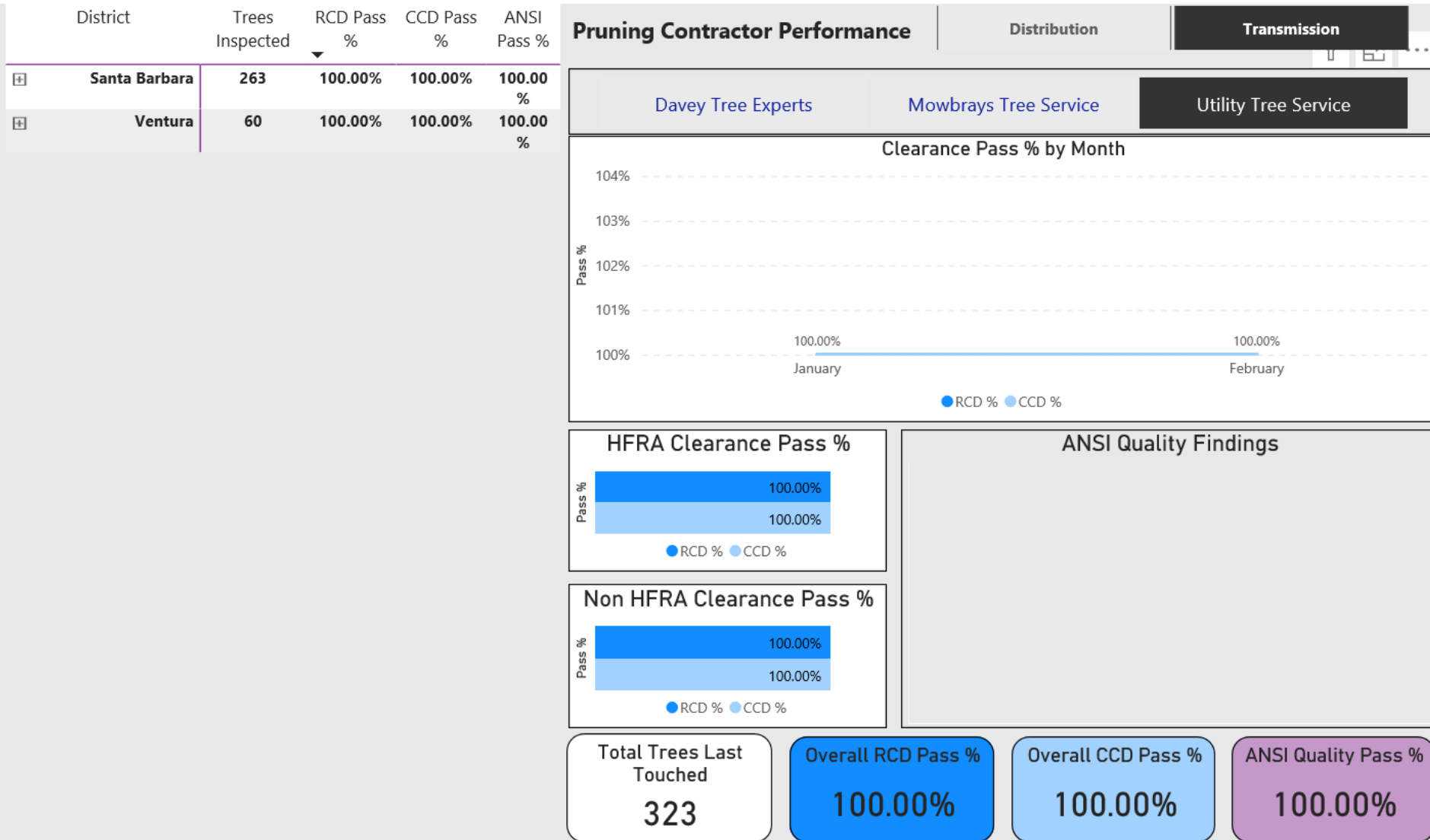
Overall CCD Pass %

98.65%

ANSI Quality Pass %

98.66%

# Pruning Contractor – Utility Tree Service (Transmission)



# Pruning Contractor – Overall Performance (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
29-Palms	76	100.00%	98.68%	100.00%
Blythe	384	100.00%	100.00%	100.00%
Foothill	84	100.00%	97.62%	100.00%
Redlands	888	100.00%	99.77%	100.00%
Wildomar	4168	100.00%	99.71%	99.88%
Menifee	3145	99.87%	99.05%	100.00%
Ontario	2031	99.85%	99.02%	99.51%
Kernville	548	99.82%	90.88%	99.45%
Victorville	957	99.79%	98.85%	100.00%
Covina	827	99.76%	98.79%	99.88%
Antelope Valley	703	99.72%	98.58%	99.86%
Ventura	2379	99.54%	97.60%	99.33%
Saddleback	350	99.43%	95.43%	100.00%
Thousand Oaks	3770	99.20%	95.49%	99.34%
Arrowhead	3809	99.19%	94.43%	99.63%
Valencia	1008	98.71%	96.23%	99.40%
Montebello	369	98.10%	91.60%	99.46%
South Bay	1223	97.71%	89.78%	99.92%
Monrovia	1863	97.48%	80.19%	99.52%

## Pruning Contractor Performance

### Distribution

### Transmission

Arborworks

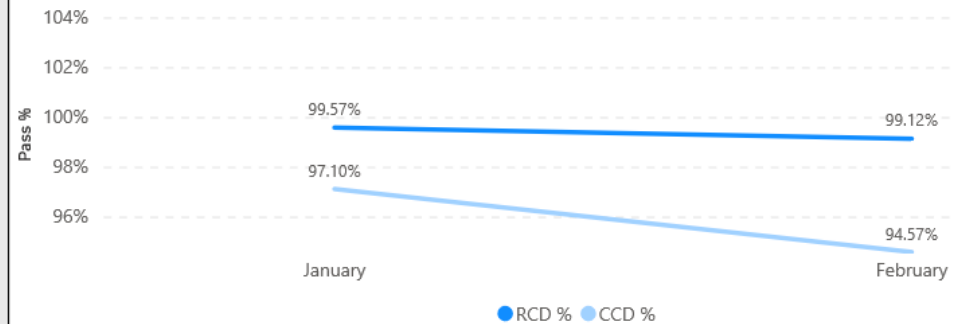
Davey Tree Ex...

Mowbrays Tre...

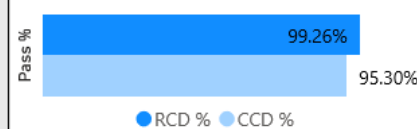
Rolling Green

Utility Tree Ser...

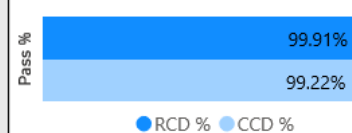
### Clearance Pass % by Month



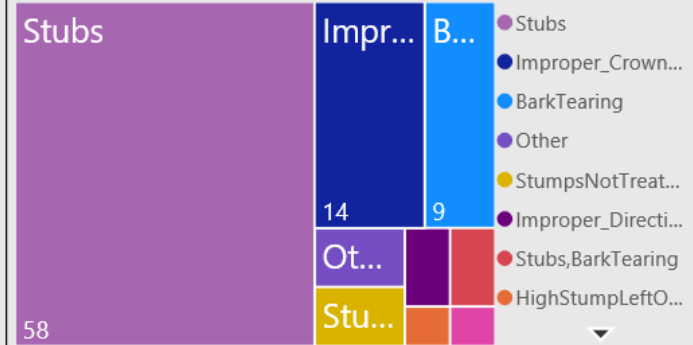
### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

28887

Overall RCD Pass %

99.36%

Overall CCD Pass %

95.92%

ANSI Quality Pass %

99.68%

# Pruning Contractor – Arborworks (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
29-Palms	76	100.00%	98.68%	100.00%
Blythe	384	100.00%	100.00%	100.00%
Kernville	548	99.82%	90.88%	99.45%

## Pruning Contractor Performance

## Distribution

Arborworks

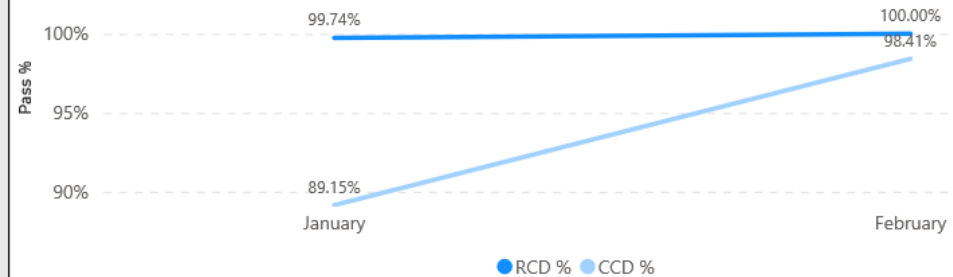
Davey Tree Ex...

Mowbrays Tre...

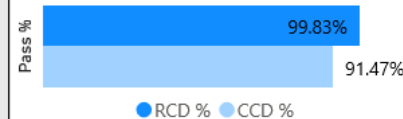
Rolling Green

Utility Tree Ser...

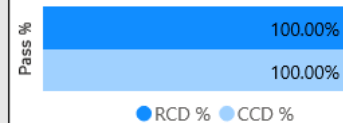
### Clearance Pass % by Month



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings

Stubs

Stubs

3

Total Trees Last Touched

1010

Overall RCD Pass %

99.90%

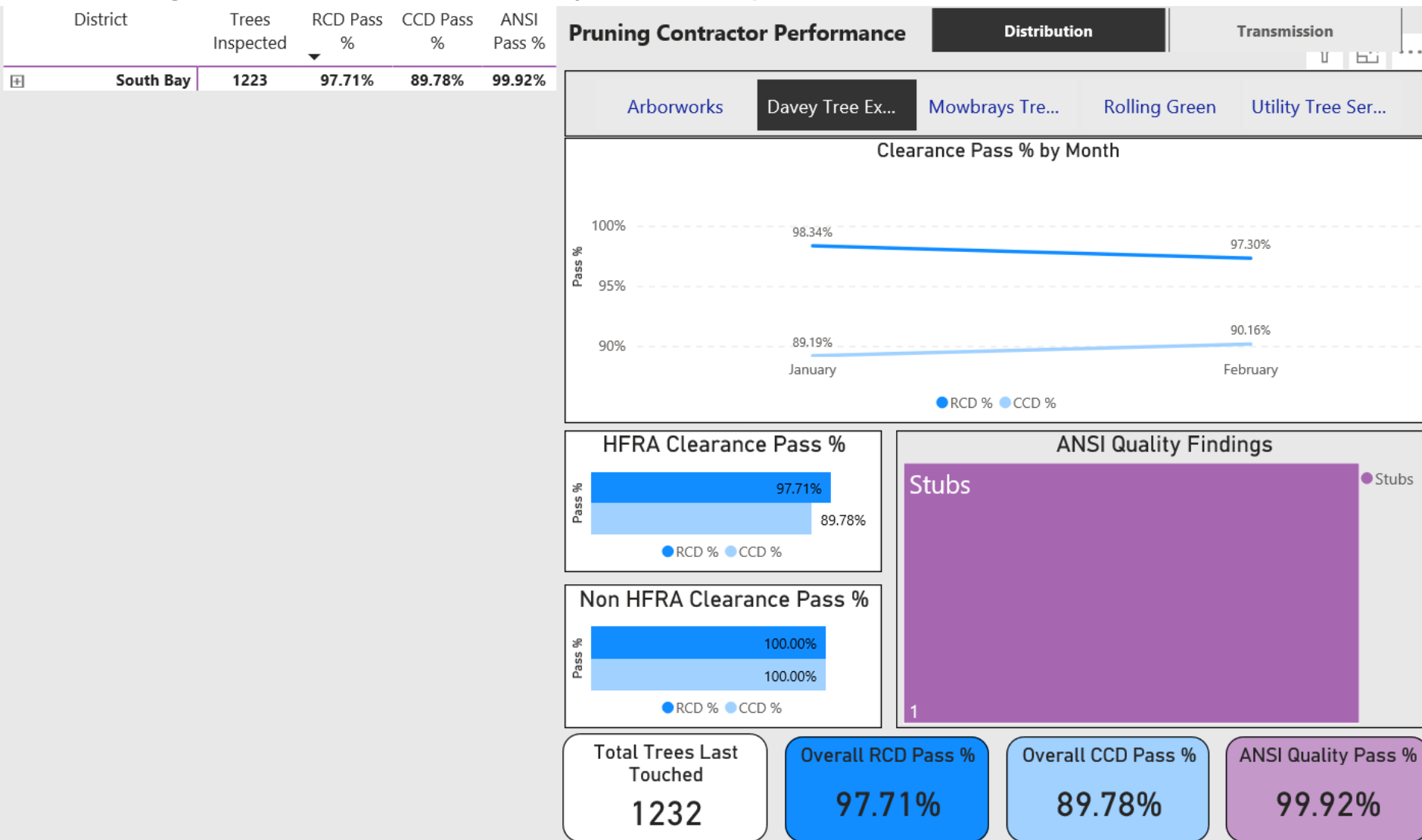
Overall CCD Pass %

94.94%

ANSI Quality Pass %

99.70%

# Pruning Contractor – Davey Tree Experts (Distribution)



# Pruning Contractor – Mowbrays Tree Service (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Foothill	84	100.00%	97.62%	100.00%
Redlands	888	100.00%	99.77%	100.00%
Wildomar	4168	100.00%	99.71%	99.88%
Menifee	3145	99.87%	99.05%	100.00%
Victorville	957	99.79%	98.85%	100.00%
Antelope Valley	703	99.72%	98.58%	99.86%
Thousand Oaks	3770	99.20%	95.49%	99.34%
Arrowhead	3809	99.19%	94.43%	99.63%
Valencia	1008	98.71%	96.23%	99.40%

## Pruning Contractor Performance

### Distribution

### Transmission

Arborworks

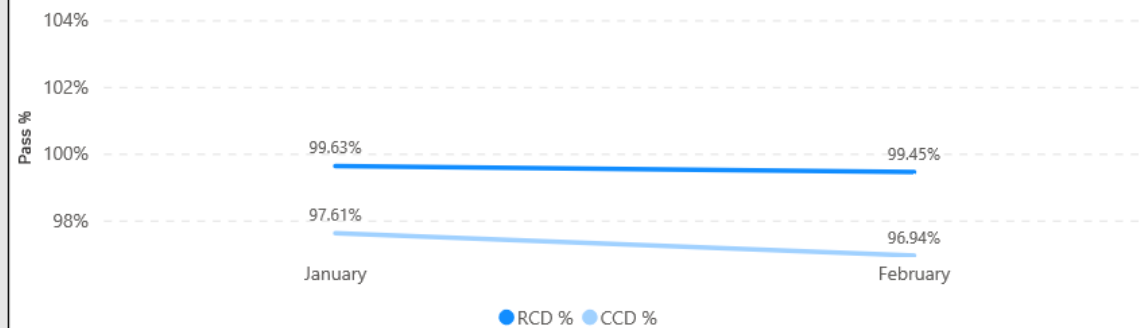
Davey Tree Ex...

Mowbrays Tre...

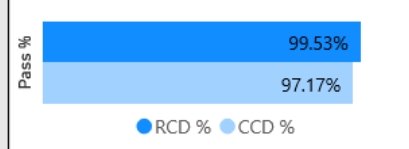
Rolling Green

Utility Tree Ser...

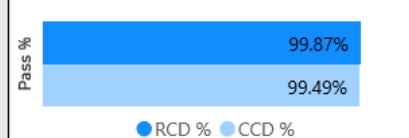
### Clearance Pass % by Month



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched  
**18754**

Overall RCD Pass %  
**99.56%**

Overall CCD Pass %  
**97.37%**

ANSI Quality Pass %  
**99.73%**

# Pruning Contractor – Rolling Green (Distribution)

District	Trees Inspected	RCD Pass %	CCD Pass %	ANSI Pass %
Ontario	2031	99.85%	99.02%	99.51%
Covina	827	99.76%	98.79%	99.88%

## Pruning Contractor Performance

## Distribution

Arborworks

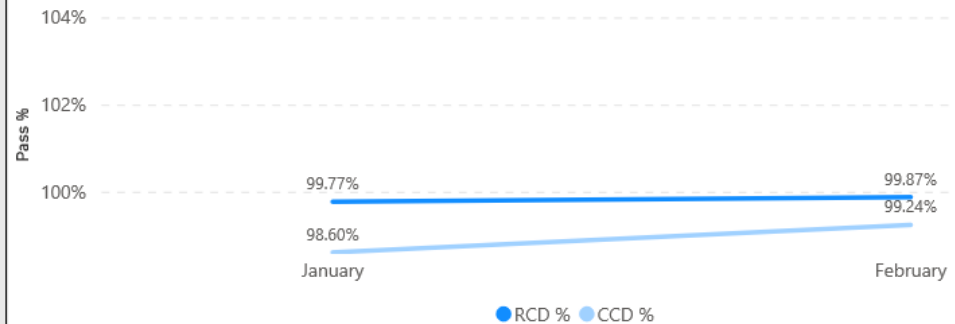
Davey Tree Ex...

Mowbrays Tre...

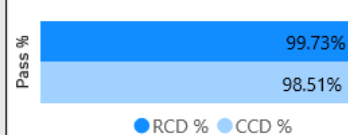
Rolling Green

Utility Tree Ser...

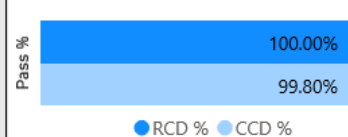
### Clearance Pass % by Month



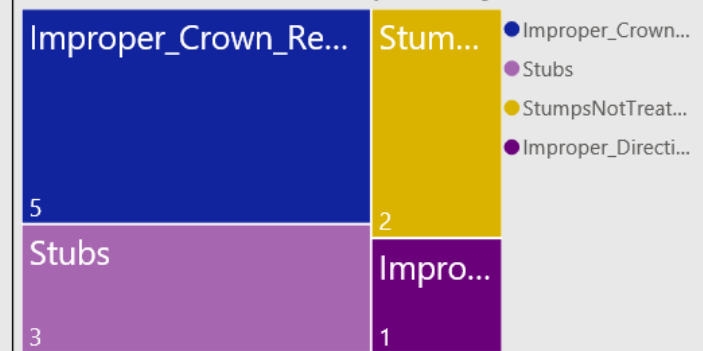
### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

2879

Overall RCD Pass %

99.83%

Overall CCD Pass %

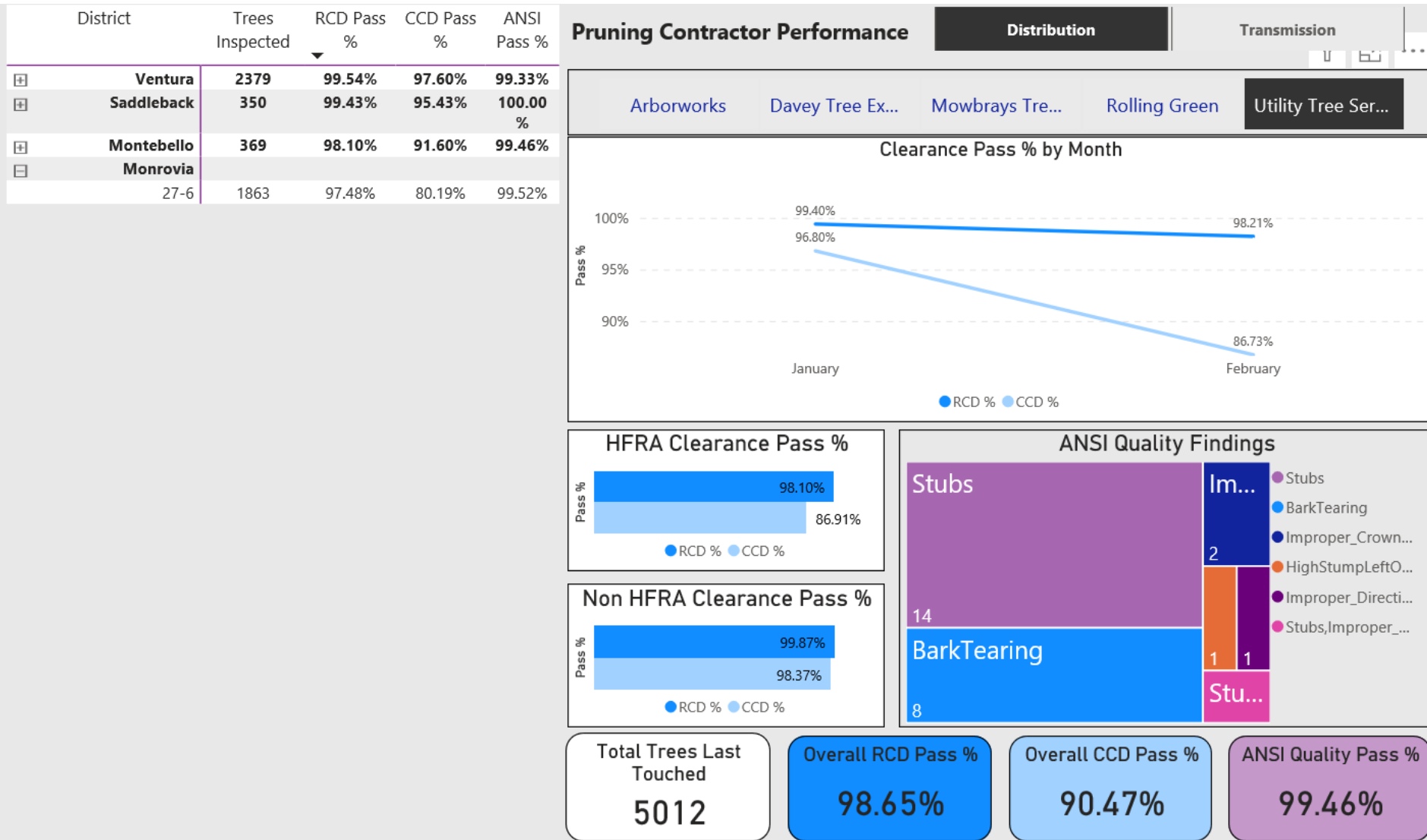
98.95%

ANSI Quality Pass %

99.62%



# Pruning Contractor – Utility Tree Service (Distribution)



# Inspection Contractor – Overall Performance (T&D)

District	Trees Inspected	RCD Failed Trees	RCD Pass %	Missed Tree Qty	Missed Tree Rate
[+] Blythe	212	0	100.00%	0	0.00%
[+] Covina	129	0	100.00%	7	5.43%
[+] Ontario	165	0	100.00%	6	3.64%
[+] Santa Barbara	259	0	100.00%	0	0.00%
[+] Wildomar	635	0	100.00%	1	0.16%
[+] Ventura	1897	3	99.84%	12	0.63%
[+] Thousand Oaks	1546	3	99.81%	25	1.62%
[+] Antelope Valley	1532	3	99.80%	82	5.35%
[+] Montebello	189	1	99.47%	1	0.53%
[+] Arrowhead	1063	6	99.44%	113	10.63%
[+] Menifee	1895	13	99.31%	10	0.53%
[+] Foothill	724	6	99.17%	12	1.66%
[+] Kernville	2039	18	99.12%	149	7.31%
[+] Victorville	113	1	99.12%	28	24.78%
[+] Monrovia	515	5	99.03%	49	9.51%
[+] South Bay	405	4	99.01%	10	2.47%
[+] Valencia	492	5	98.98%	17	3.46%

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

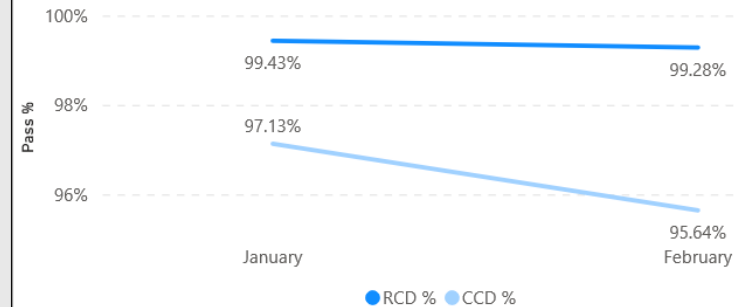
UPE

Total Trees  
Last Touched  
**18416**

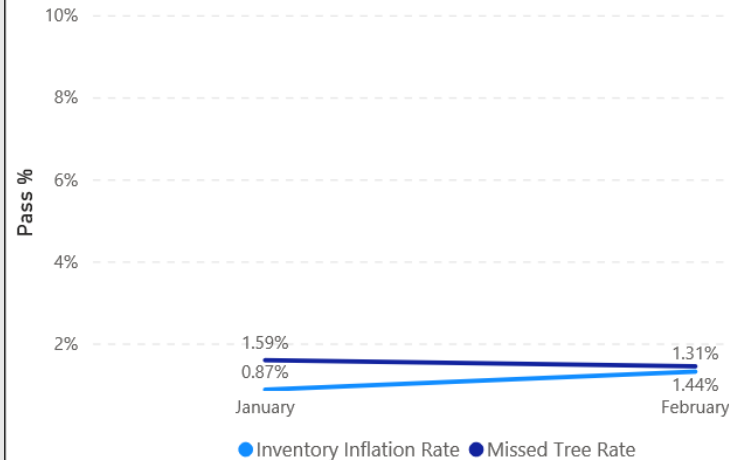
Overall RCD  
Pass %  
**99.45%**

Overall CCD  
Pass %  
**97.46%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees  
QC'd  
**48159**

Missed Rate  
**1.49%**

Inflation Rate  
**1.08%**

Work Type  
Accuracy  
**99.03%**

Species ID  
**98.90%**

- 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	176	0	100.00%	0	0.00%
+	Santa Barbara	259	0	100.00%	0	0.00%
+	Valencia	128	0	100.00%	0	0.00%

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

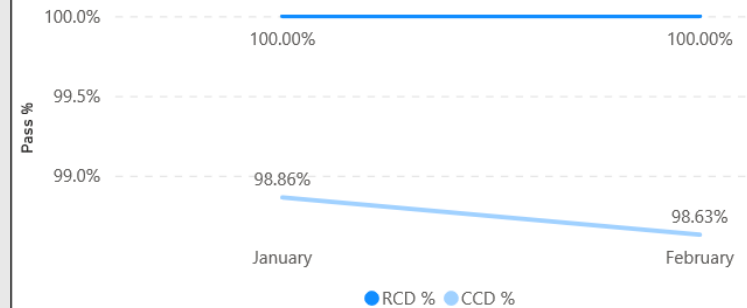
UPE

Total Trees Last Touched  
**1029**

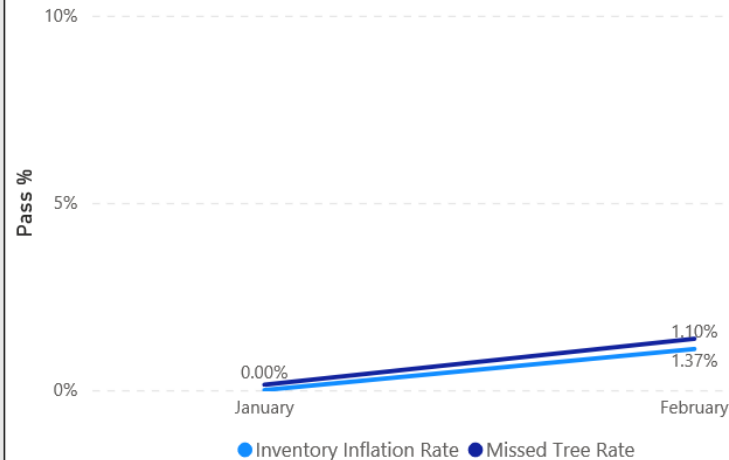
Overall RCD Pass %  
**100.00%**

Overall CCD Pass %  
**98.54%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd  
**1777**

Missed Rate  
**0.39%**

Inflation Rate  
**0.23%**

Work Type Accuracy  
**99.72%**

Species ID  
**99.55%**

- 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
<b>Santa Barbara</b>	<b>259</b>	<b>0</b>	<b>100.00%</b>	<b>0</b>	<b>0.00%</b>

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

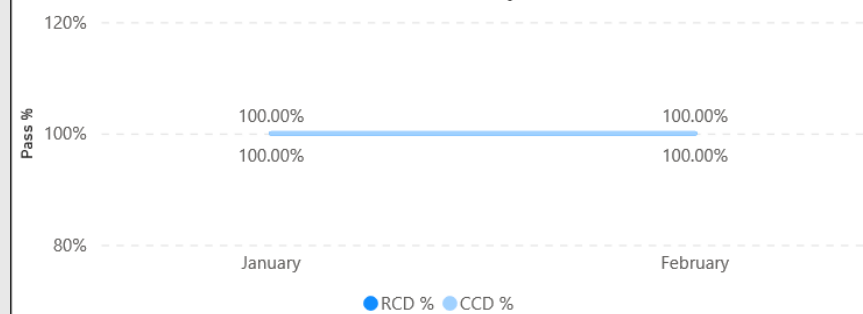
UPE

Total Trees Last Touched  
**372**

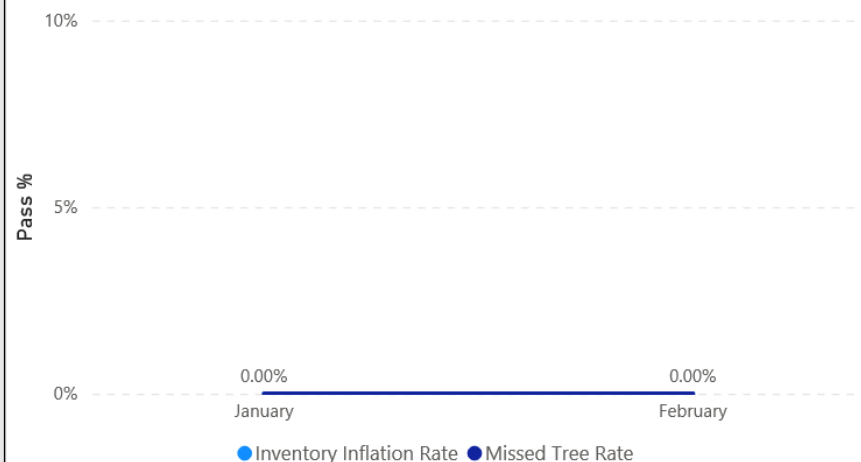
Overall RCD Pass %  
**100.00%**

Overall CCD Pass %  
**100.00%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



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

# Inspection Contractor – CNUC (Transmission)

District Trees RCD F ↑ ↓ R ↓ ↓ Pass % Tree Qty Tree Rate

Tree Inspection Data missing due to Power BI issues

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

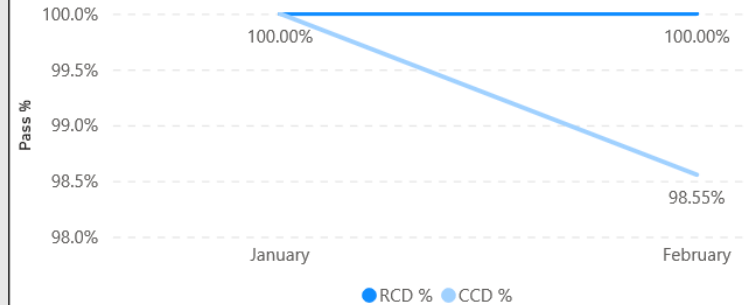
UPE

Total Trees Last Touched  
**189**

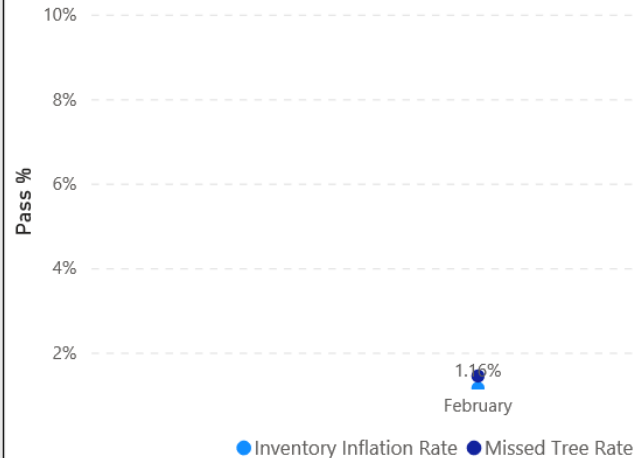
Overall RCD Pass %  
**100.00%**

Overall CCD Pass %  
**100.00%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd  
**346**

Missed Rate  
**1.45%**

Inflation Rate  
**1.16%**

Work Type Accuracy  
**99.13%**

Species ID  
**98.27%**

- 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

Tree Inspection Data missing due to Power BI issues

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

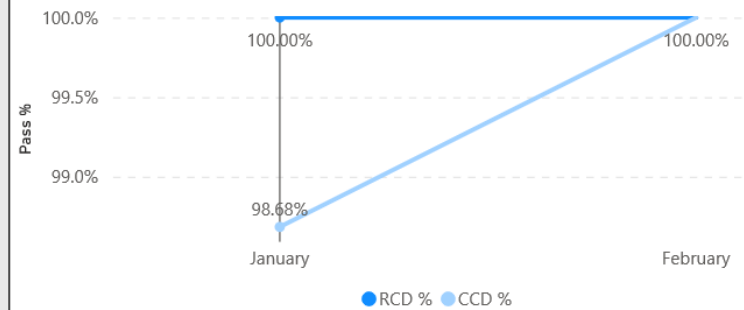
UPE

Total Trees Last Touched  
**23**

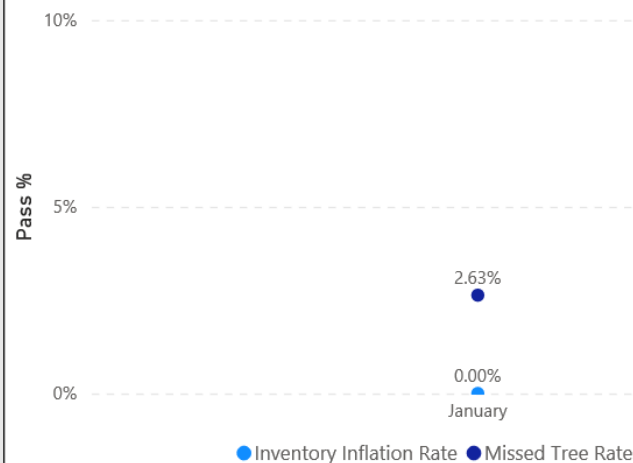
Overall RCD Pass %  
**100.00%**

Overall CCD Pass %  
**100.00%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd  
**76**

Missed Rate  
**2.63%**

Inflation Rate  
**0.00%**

Work Type Accuracy  
**97.37%**

Species ID  
**98.68%**

- 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	176	0	100.00%	0	0.00%
+	Valencia	128	0	100.00%	0	0.00%

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

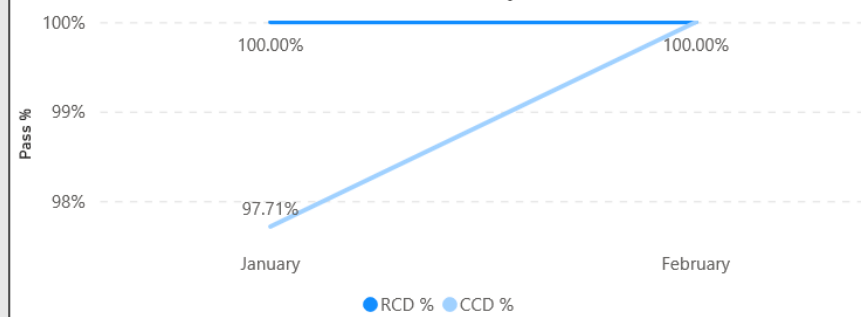
UPE

Total Trees  
Last Touched  
**445**

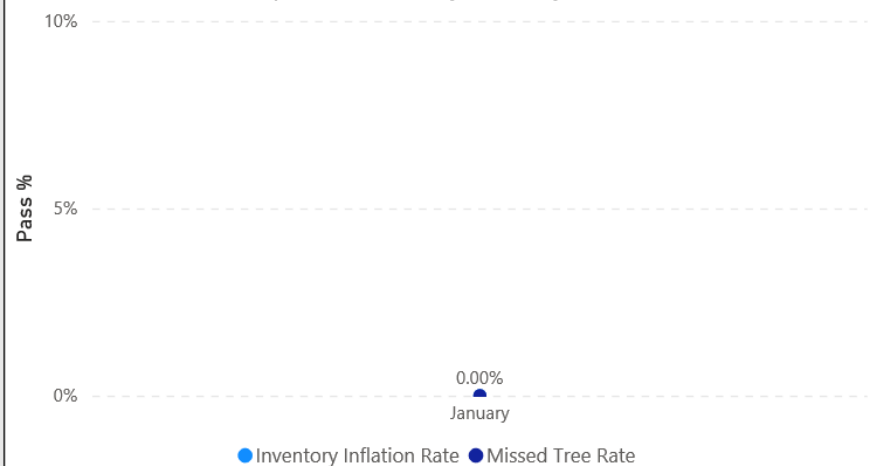
Overall RCD  
Pass %  
**100.00%**

Overall CCD  
Pass %  
**96.61%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees  
QC'd  
**660**

Missed Rate  
**0.00%**

Inflation Rate  
**0.00%**

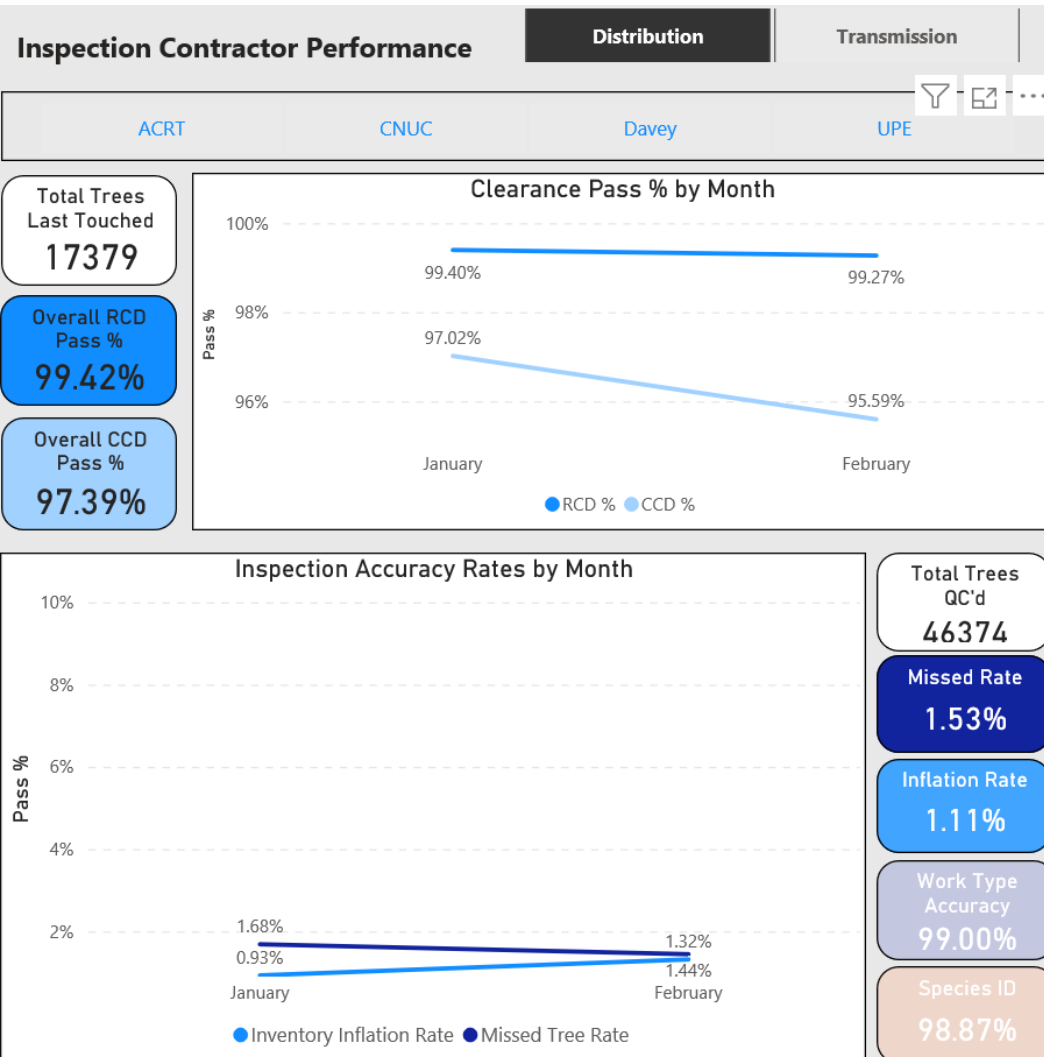
Work Type  
Accuracy  
**100.00%**

Species ID  
**99.85%**

- 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
Valencia	364	5	98.63%	17	4.67%
South Bay	405	4	99.01%	10	2.47%
Monrovia	515	5	99.03%	49	9.51%
Victorville	113	1	99.12%	28	24.78%
Kernville	2039	18	99.12%	149	7.31%
Foothill	724	6	99.17%	12	1.66%
Menifee	1895	13	99.31%	10	0.53%
Arrowhead	1063	6	99.44%	113	10.63%
Montebello	189	1	99.47%	1	0.53%
Antelope Valley	1356	3	99.78%	82	6.05%
Thousand Oaks	1546	3	99.81%	25	1.62%
Ventura	1897	3	99.84%	12	0.63%
Blythe	212	0	100.00%	0	0.00%
Covina	129	0	100.00%	7	5.43%
Ontario	165	0	100.00%	6	3.64%
Wildomar	635	0	100.00%	1	0.16%



- 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
<b>Kernville</b>	<b>2039</b>	<b>18</b>	<b>99.12%</b>	<b>149</b>	<b>7.31%</b>
<b>Ventura</b>	<b>1897</b>	<b>3</b>	<b>99.84%</b>	<b>12</b>	<b>0.63%</b>
<b>Blythe</b>	<b>212</b>	<b>0</b>	<b>100.00%</b>	<b>0</b>	<b>0.00%</b>

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

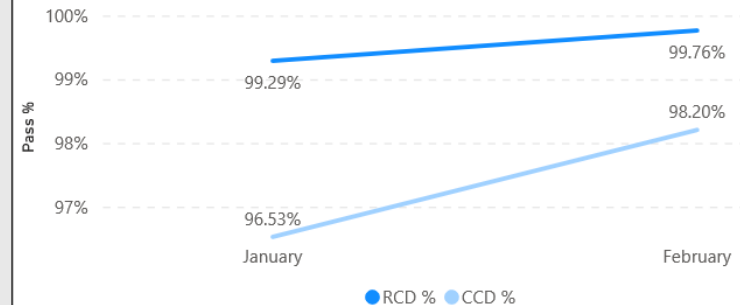
UPE

Total Trees Last Touched  
**5131**

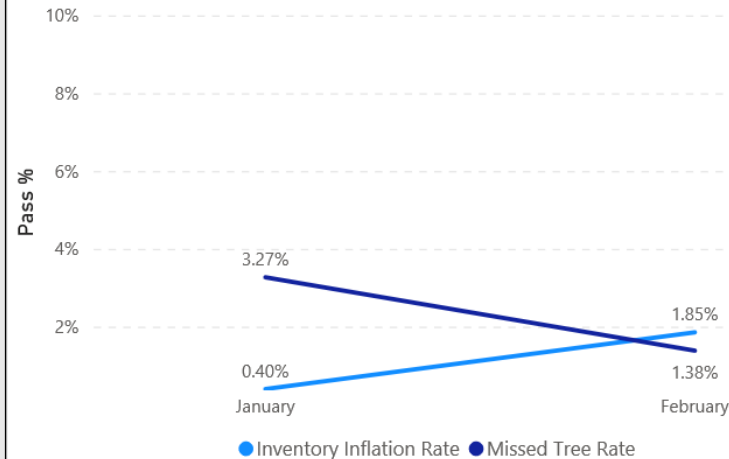
Overall RCD Pass %  
**99.51%**

Overall CCD Pass %  
**98.10%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd  
**8577**

Missed Rate  
**2.38%**

Inflation Rate  
**0.99%**

Work Type Accuracy  
**99.86%**

Species ID  
**99.73%**

- 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
Monrovia	515	5	99.03%	49	9.51%
Victorville	113	1	99.12%	28	24.78%
Foothill	724	6	99.17%	12	1.66%
Menifee	1895	13	99.31%	10	0.53%
Arrowhead	1063	6	99.44%	113	10.63%
Montebello	189	1	99.47%	1	0.53%
Covina	129	0	100.00%	7	5.43%
Ontario	165	0	100.00%	6	3.64%
Wildomar	635	0	100.00%	1	0.16%

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

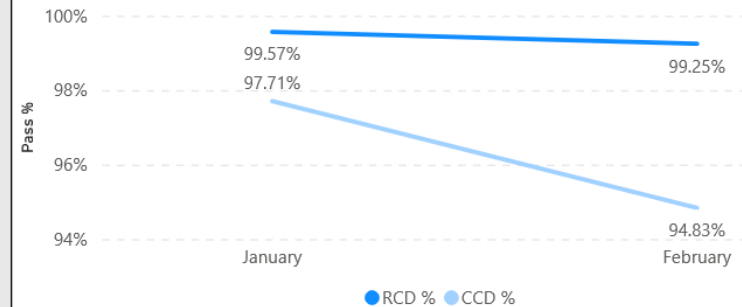
UPE

Total Trees  
Last Touched  
**7600**

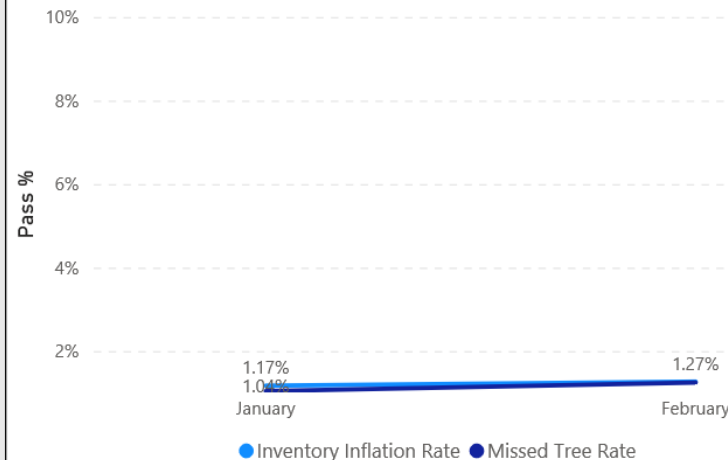
Overall RCD  
Pass %  
**99.36%**

Overall CCD  
Pass %  
**96.80%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees  
QC'd  
**26367**

Missed Rate  
**1.13%**

Inflation Rate  
**1.21%**

Work Type  
Accuracy  
**99.17%**

Species ID  
**99.12%**

- 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
<b>South Bay</b>	<b>405</b>	<b>4</b>	<b>99.01%</b>	<b>10</b>	<b>2.47%</b>

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

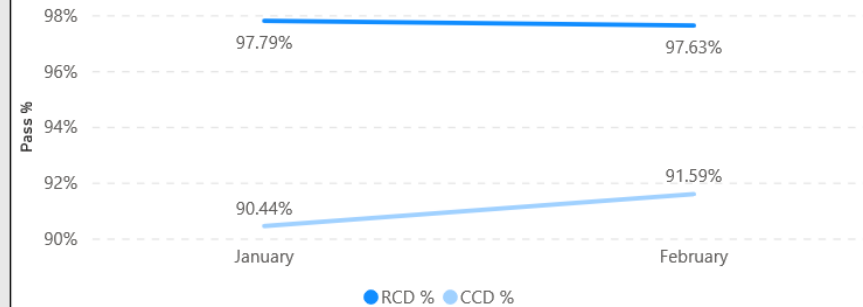
UPE

Total Trees Last Touched  
**497**

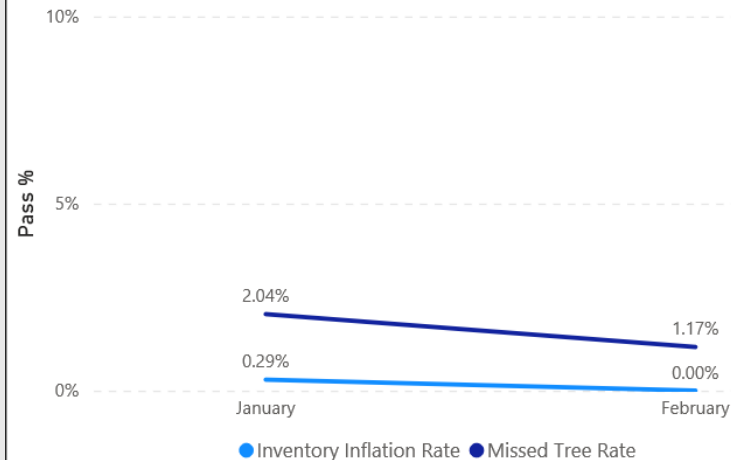
Overall RCD Pass %  
**98.34%**

Overall CCD Pass %  
**96.27%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd  
**1730**

Missed Rate  
**1.45%**

Inflation Rate  
**0.12%**

Work Type Accuracy  
**92.83%**

Species ID  
**98.90%**

- 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
<b>Valencia</b>	<b>364</b>	<b>5</b>	<b>98.63%</b>	<b>17</b>	<b>4.67%</b>
<b>Antelope Valley</b>	<b>1356</b>	<b>3</b>	<b>99.78%</b>	<b>82</b>	<b>6.05%</b>
<b>Thousand Oaks</b>	<b>1546</b>	<b>3</b>	<b>99.81%</b>	<b>25</b>	<b>1.62%</b>

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

UPE

Total Trees Last Touched

**4151**

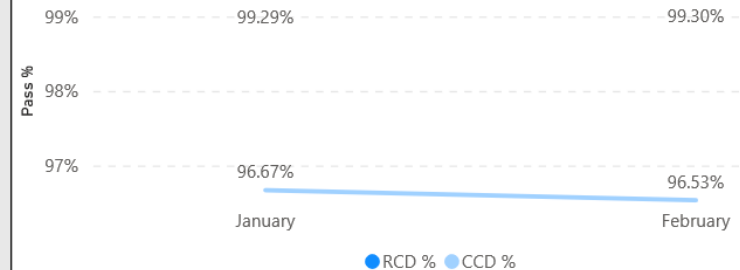
Overall RCD Pass %

**99.53%**

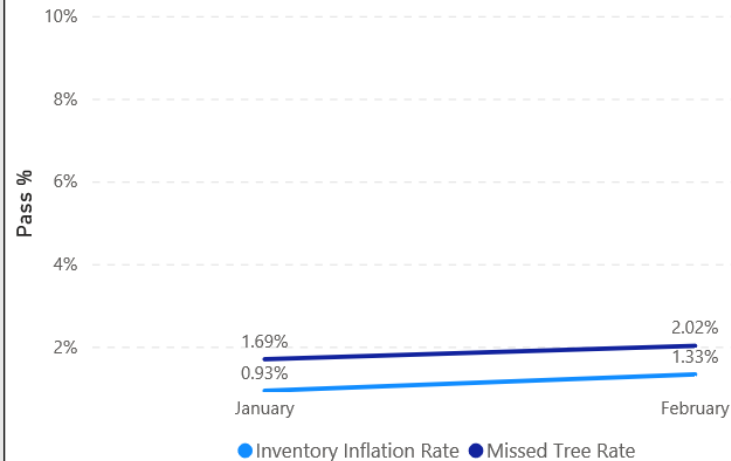
Overall CCD Pass %

**97.72%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month


 Total Trees QC'd  
**9700**

 Missed Rate  
**1.88%**

 Inflation Rate  
**1.15%**

 Work Type Accuracy  
**98.91%**

 Species ID  
**97.44%**

- 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