

# VM Performance Review Meeting

July 7, 2021

# 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         | 3066   | 351.0      | 37.6      | 2041.6 | 2321   | 279.4      | 37.8      | 673.2    | 737    | 63.8       | 36.4      |
| May       | 3393.75         | 4016   | 622.25     | 49.3      | 2552.0 | 3052   | 500.0      | 49.8      | 841.5    | 954    | 112.5      | 47.2      |
| June      | 4072.50         | 4601   | 528.50     | 56.4      | 3062.4 | 3503   | 440.6      | 57.1      | 1009.8   | 1065   | 55.2       | 52.6      |
| 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)
- $8145 \text{ miles} \div 20 \text{ inspectors} = 407.25 \text{ miles per year per inspector}$ ,  $(407.25 \div 220 \text{ days} = 1.851 \text{ miles per day})$

All Mileage Targets “ahead of plan”

# RCD / CCD Performance – 2021 3 Months rolling & YTD

| RCD CONFORMANCE % – OVERALL VM PROGRAM     |       |        |       |       |
|--|-------|--------|-------|-------|
|  | April | May    | June  | YTD   |
| T & D                                      | 99.08 | 99.35  | 99.00 | 99.27 |
| Transmission                               | 98.62 | 99.04  | 89.11 | 98.29 |
| Distribution                               | 99.11 | 99.35  | 99.26 | 99.31 |
| RCD CONFORMANCE % – PRUNING CONTRACTORS    |       |        |       |       |
| T & D                                      | 98.87 | 99.41  | 99.14 | 99.29 |
| Transmission                               | 96.47 | 99.07  | 87.36 | 97.69 |
| Distribution                               | 98.97 | 99.41  | 99.30 | 99.33 |
| RCD CONFORMANCE % – INSPECTION CONTRACTORS |       |        |       |       |
| T & D                                      | 99.48 | 99.15  | 99.00 | 99.47 |
| Transmission                               | 99.92 | 100.00 | 89.42 | 98.78 |
| Distribution                               | 99.42 | 99.13  | 99.29 | 99.51 |

Significant decline in Transmission scores attributed to Pruning and Inspection work in Thousand Oaks and Monrovia

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

| CCD CONFORMANCE % – OVERALL VM PROGRAM     |       |        |       |       |
|--|-------|--------|-------|-------|
|  | April | May    | June  | YTD   |
| T & D                                      | 95.54 | 96.41  | 95.71 | 96.12 |
| Transmission                               | 98.31 | 99.68  | 82.40 | 94.57 |
| Distribution                               | 95.35 | 96.39  | 96.06 | 96.18 |
| CCD CONFORMANCE % – PRUNING CONTRACTORS    |       |        |       |       |
| T & D                                      | 94.78 | 96.37  | 96.93 | 96.60 |
| Transmission                               | 95.66 | 97.20  | 84.48 | 90.75 |
| Distribution                               | 94.74 | 96.37  | 97.10 | 96.77 |
| CCD CONFORMANCE % – INSPECTION CONTRACTORS |       |        |       |       |
| T & D                                      | 97.04 | 96.32  | 95.74 | 97.52 |
| Transmission                               | 99.92 | 100.00 | 82.73 | 98.00 |
| Distribution                               | 96.68 | 96.26  | 96.13 | 97.50 |

QC Tier 1 CCD Metric

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

AQL RCD = 100%  
AQL CCD = 95%

|       |              |              |              |              |             |
|-------|--------------|--------------|--------------|--------------|-------------|
| < 90% | 90% to < 95% | 95% to < 97% | 97% to < 98% | 98% to < 99% | 99% to 100% |
|-------|--------------|--------------|--------------|--------------|-------------|

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

# YTD VM Performance – Transmission & Distribution

VM Lead: Bill

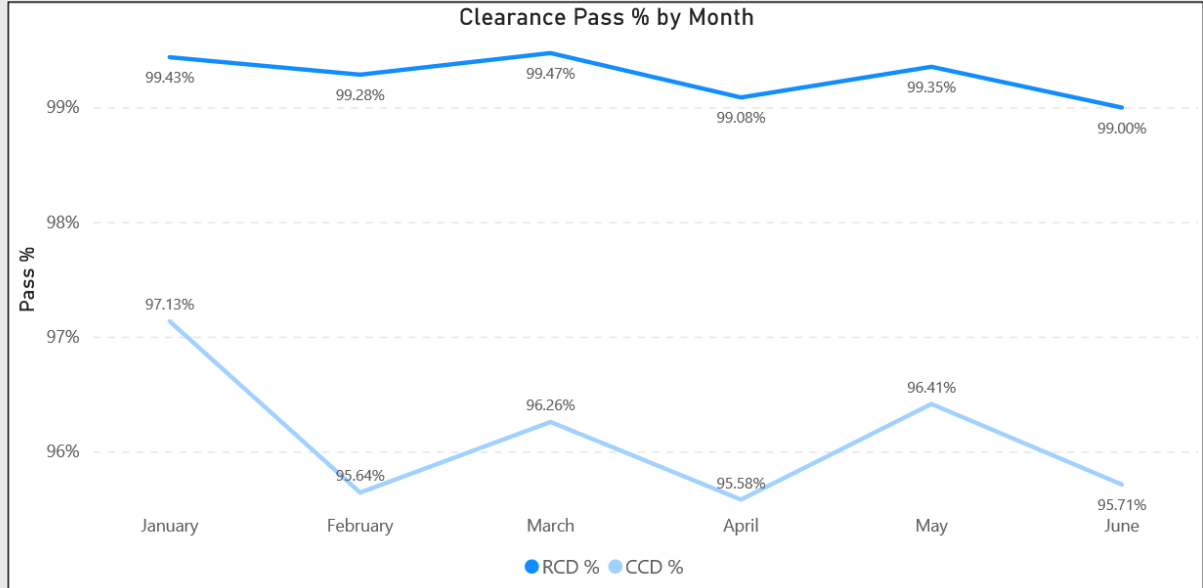
## Pass % by District

| District         | Trees Inspected | RCD Pass % | CCD Pass % |
|------------------|-----------------|------------|------------|
| 29-Palms         | 897             | 100.00%    | 99.22%     |
| Fullerton        | 1193            | 100.00%    | 98.99%     |
| Ridgecrest       | 144             | 100.00%    | 100.00%    |
| San Joaquin      | 1272            | 100.00%    | 99.69%     |
| Wildomar         | 9582            | 99.99%     | 99.75%     |
| Long Beach       | 1309            | 99.92%     | 97.10%     |
| Victorville      | 2268            | 99.87%     | 96.43%     |
| Whittier         | 3594            | 99.86%     | 98.91%     |
| Bishop/Mammoth   | 5742            | 99.84%     | 99.44%     |
| Huntington Beach | 608             | 99.84%     | 99.67%     |
| Ontario          | 8410            | 99.81%     | 98.60%     |
| Menifee          | 10835           | 99.81%     | 99.01%     |
| Tehachapi        | 1113            | 99.73%     | 99.28%     |
| Kernville        | 8991            | 99.63%     | 96.57%     |
| Antelope Valley  | 4561            | 99.43%     | 95.07%     |
| Montebello       | 1595            | 99.37%     | 96.61%     |
| Compton          | 1107            | 99.37%     | 97.92%     |
| Covina           | 8470            | 99.36%     | 97.53%     |
| Foothill         | 895             | 99.33%     | 96.54%     |
| Ventura          | 15162           | 99.28%     | 96.27%     |
| Thousand Oaks    | 17583           | 99.22%     | 96.37%     |
| Arrowhead        | 19697           | 99.17%     | 94.68%     |
| South Bay        | 8544            | 99.04%     | 95.05%     |
| Valencia         | 3993            | 98.67%     | 94.09%     |
| Monrovia         | 12032           | 98.63%     | 91.56%     |
| Santa Monica     | 606             | 98.51%     | 93.40%     |
| Redlands         | 4868            | 98.27%     | 92.50%     |
| Saddleback       | 2141            | 98.13%     | 90.28%     |
| Santa Barbara    | 4190            | 97.68%     | 91.07%     |

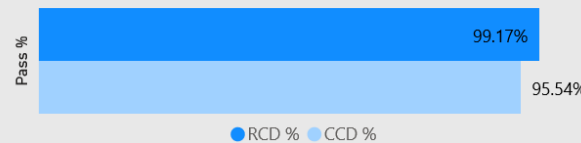
## Distribution

## Transmission

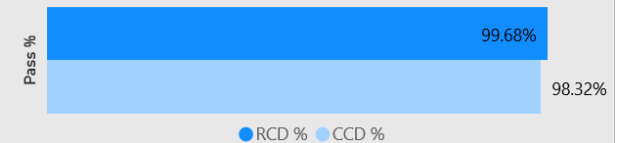
## Clearance Pass % by Month



## HFRA Clearance Pass %



## Non HFRA Clearance Pass %



## Total Trees Inspected

166031

## Overall RCD Pass %

99.27%

## Overall CCD Pass %

96.12%

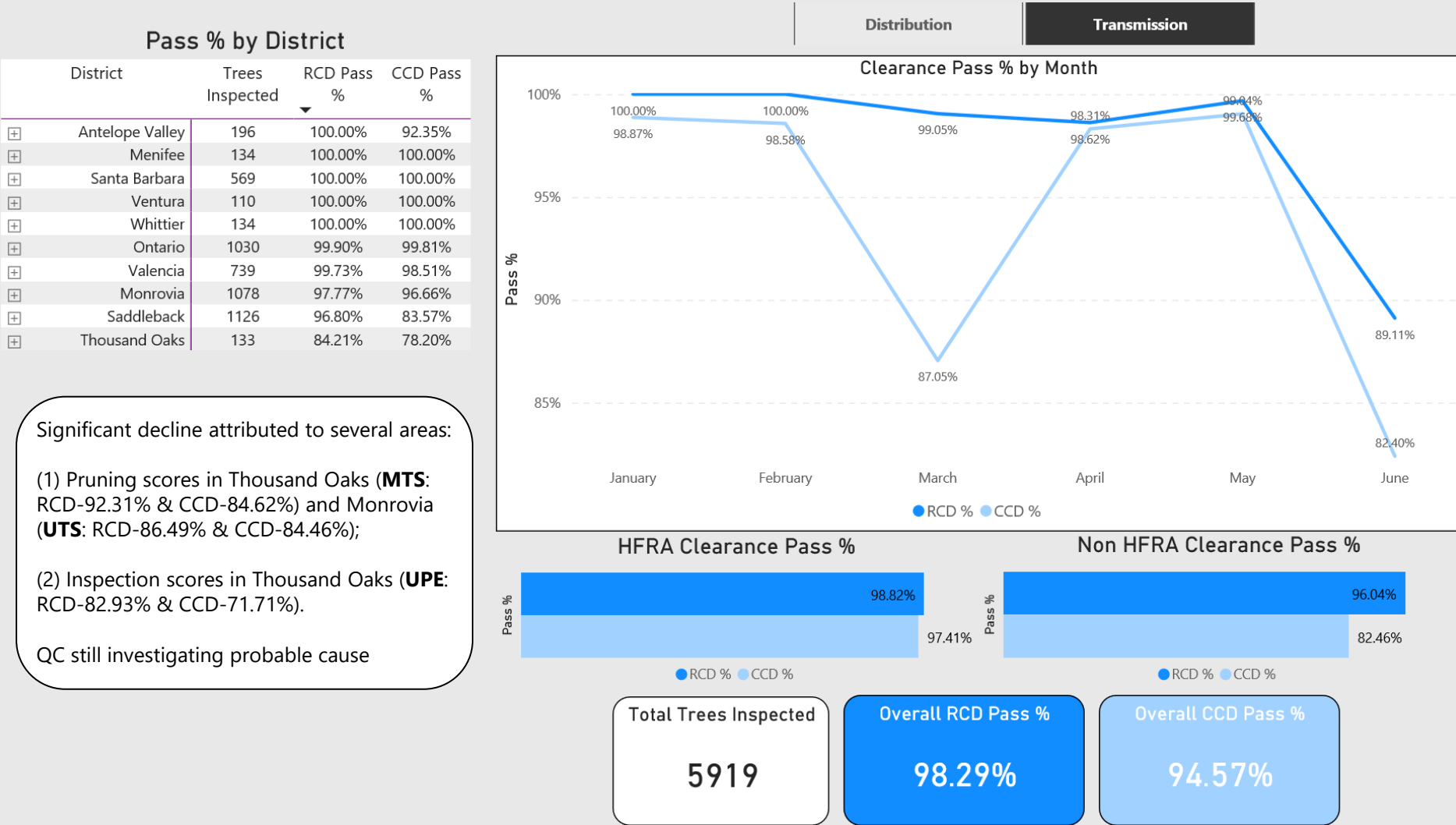
AQL RCD = 100%  
AQL CCD = 95%

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

VM Lead: Bill



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

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

AQL RCD = 100%  
AQL CCD = 95%

# YTD VM Performance – Distribution

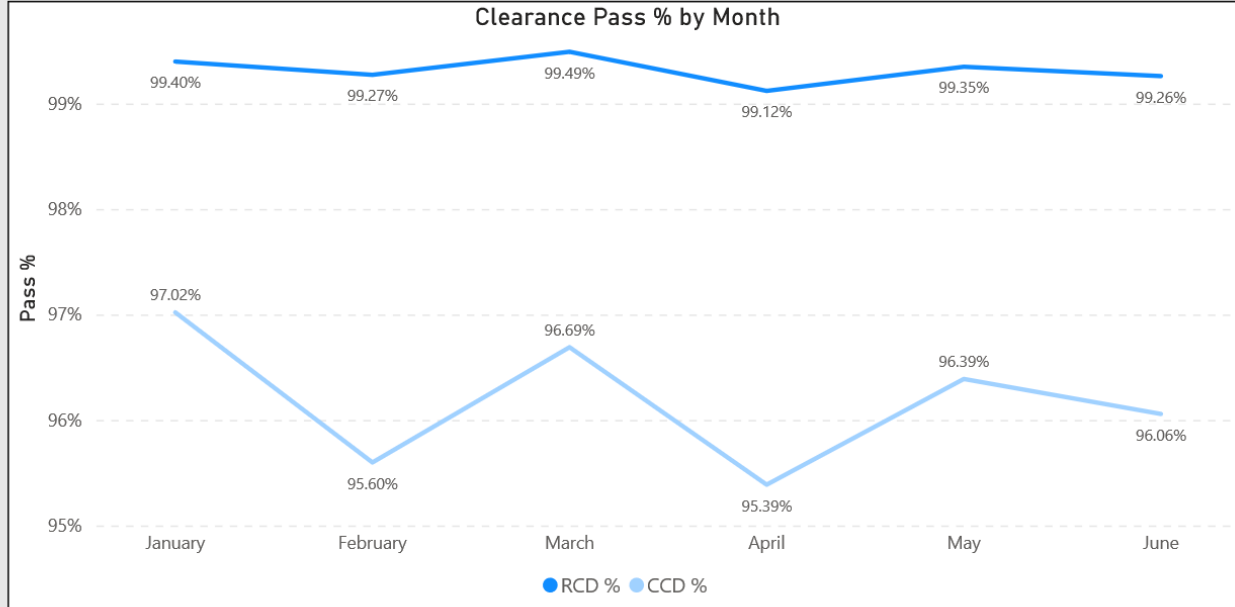
## Pass % by District

| District         | Trees Inspected | RCD Pass % | CCD Pass % |
|------------------|-----------------|------------|------------|
| 29-Palms         | 897             | 100.00%    | 99.22%     |
| Fullerton        | 1193            | 100.00%    | 98.99%     |
| Ridgecrest       | 144             | 100.00%    | 100.00%    |
| San Joaquin      | 1272            | 100.00%    | 99.69%     |
| Wildomar         | 9581            | 99.99%     | 99.75%     |
| Long Beach       | 1309            | 99.92%     | 97.10%     |
| Victorville      | 2268            | 99.87%     | 96.43%     |
| Whittier         | 3460            | 99.86%     | 98.87%     |
| Bishop/Mammoth   | 5742            | 99.84%     | 99.44%     |
| Huntington Beach | 608             | 99.84%     | 99.67%     |
| Menifee          | 10701           | 99.80%     | 99.00%     |
| Ontario          | 7380            | 99.80%     | 98.43%     |
| Tehachapi        | 1113            | 99.73%     | 99.28%     |
| Kernville        | 8991            | 99.63%     | 96.57%     |
| Saddleback       | 1015            | 99.61%     | 97.73%     |
| Antelope Valley  | 4365            | 99.40%     | 95.19%     |
| Montebello       | 1595            | 99.37%     | 96.61%     |
| Compton          | 1107            | 99.37%     | 97.92%     |
| Covina           | 8470            | 99.36%     | 97.53%     |
| Thousand Oaks    | 17450           | 99.34%     | 96.50%     |
| Foothill         | 895             | 99.33%     | 96.54%     |
| Ventura          | 15052           | 99.28%     | 96.25%     |
| Arrowhead        | 19697           | 99.17%     | 94.68%     |
| South Bay        | 8544            | 99.04%     | 95.05%     |
| Monrovia         | 10954           | 98.71%     | 91.06%     |
| Santa Monica     | 606             | 98.51%     | 93.40%     |
| Valencia         | 3254            | 98.43%     | 93.09%     |
| Redlands         | 4868            | 98.27%     | 92.50%     |
| Santa Barbara    | 3621            | 97.32%     | 89.67%     |

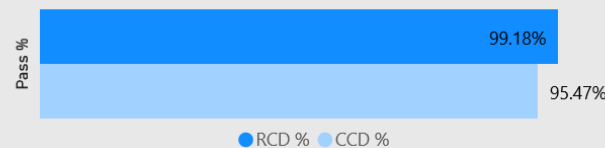
Distribution

Transmission

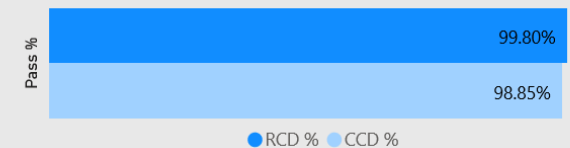
## Clearance Pass % by Month



HFRA Clearance Pass %



Non HFRA Clearance Pass %



Total Trees Inspected

160047

Overall RCD Pass %

99.31%

Overall CCD Pass %

96.18%

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

AQL RCD = 100%  
AQL CCD = 95%

# VM Performance – T & D (Rolling 12 months)

VM Lead: Bill

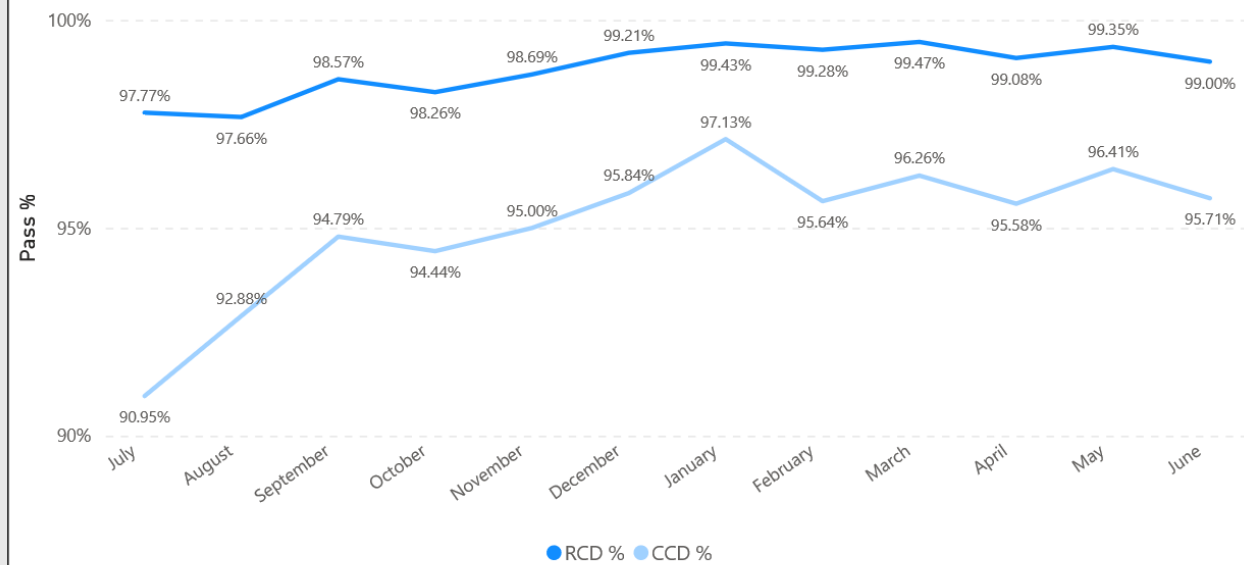
## Pass % by District

| District         | Trees Inspected | RCD Pass % | CCD Pass % |
|------------------|-----------------|------------|------------|
| Fullerton        | 1388            | 100.00%    | 99.14%     |
| Ridgecrest       | 144             | 100.00%    | 100.00%    |
| Huntington Beach | 758             | 99.87%     | 99.74%     |
| Ontario          | 12587           | 99.80%     | 98.76%     |
| Big Creek        | 501             | 99.80%     | 99.00%     |
| Whittier         | 5284            | 99.77%     | 98.75%     |
| Tehachapi        | 10345           | 99.71%     | 98.08%     |
| Wildomar         | 16620           | 99.70%     | 98.77%     |
| Bishop/Mammoth   | 7393            | 99.69%     | 97.88%     |
| 29-Palms         | 2542            | 99.69%     | 96.81%     |
| Kernville        | 16108           | 99.59%     | 97.06%     |
| Covina           | 15137           | 99.44%     | 97.67%     |
| Foothill         | 895             | 99.33%     | 96.54%     |
| Antelope Valley  | 12241           | 99.31%     | 95.93%     |
| Montebello       | 2149            | 99.30%     | 96.60%     |
| Thousand Oaks    | 27358           | 99.18%     | 96.45%     |
| Arrowhead        | 48722           | 99.11%     | 93.91%     |
| Ventura          | 21530           | 99.06%     | 95.80%     |
| Palm Springs     | 2570            | 99.03%     | 95.33%     |
| Long Beach       | 3737            | 98.88%     | 96.17%     |
| Menifee          | 29480           | 98.86%     | 95.14%     |
| Valencia         | 11528           | 98.82%     | 94.37%     |
| Compton          | 2365            | 98.77%     | 97.08%     |
| Victorville      | 4707            | 98.77%     | 94.12%     |
| Santa Ana        | 939             | 98.72%     | 95.31%     |
| South Bay        | 15226           | 98.31%     | 92.95%     |
| Monrovia         | 17039           | 97.85%     | 91.30%     |
| Santa Barbara    | 13778           | 97.84%     | 92.22%     |
| Redlands         | 21098           | 97.81%     | 89.64%     |
| Santa Monica     | 2494            | 97.75%     | 92.94%     |
| San Joaquin      | 9453            | 95.87%     | 94.03%     |

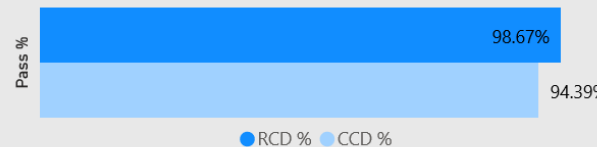
## Distribution

## Transmission

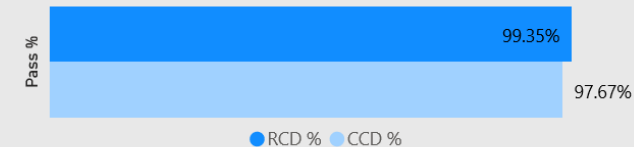
### Clearance Pass % by Rolling 12-Month Period (2021)



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### Total Trees Inspected

350087

### Overall RCD Pass %

98.79%

### Overall CCD Pass %

94.99%

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

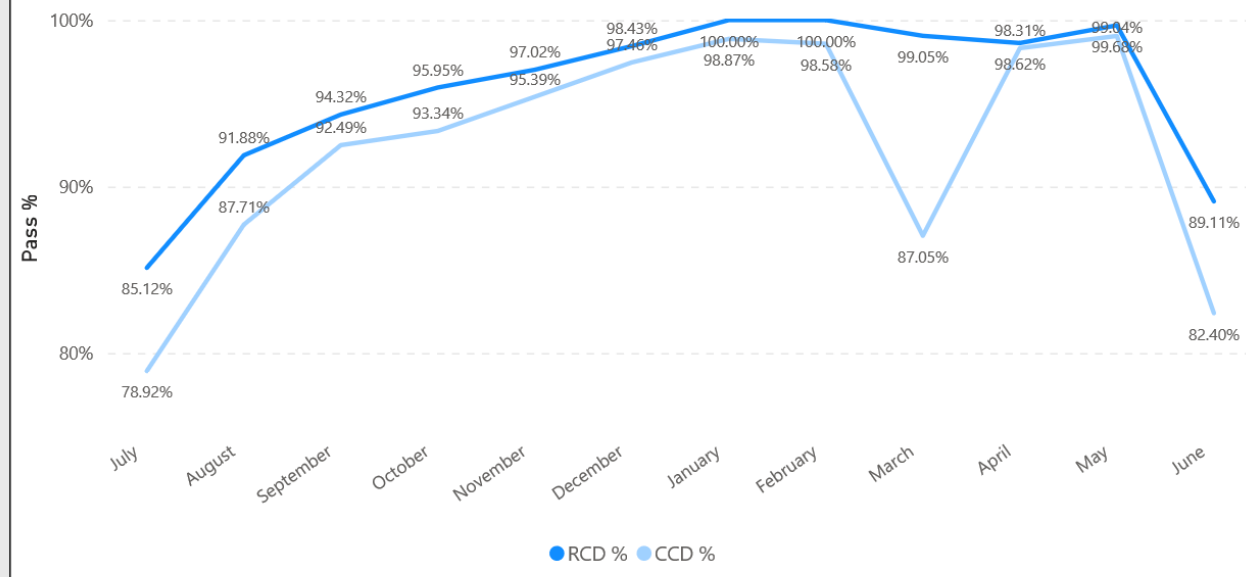
## Pass % by District

| District        | Trees Inspected | RCD Pass % | CCD Pass % |
|-----------------|-----------------|------------|------------|
| Bishop/Mammoth  | 863             | 100.00%    | 99.77%     |
| Covina          | 263             | 100.00%    | 100.00%    |
| Kernville       | 193             | 100.00%    | 100.00%    |
| Long Beach      | 194             | 100.00%    | 100.00%    |
| Menifee         | 134             | 100.00%    | 100.00%    |
| Whittier        | 134             | 100.00%    | 100.00%    |
| Ontario         | 2671            | 99.78%     | 99.55%     |
| South Bay       | 426             | 99.77%     | 99.77%     |
| Valencia        | 1811            | 99.17%     | 96.91%     |
| Victorville     | 230             | 99.13%     | 93.48%     |
| Antelope Valley | 1221            | 98.61%     | 95.09%     |
| Santa Barbara   | 859             | 98.49%     | 97.32%     |
| Santa Ana       | 217             | 98.16%     | 96.31%     |
| Thousand Oaks   | 1136            | 98.15%     | 97.36%     |
| Monrovia        | 3757            | 97.23%     | 95.45%     |
| Ventura         | 330             | 90.91%     | 86.97%     |
| Saddleback      | 1690            | 82.19%     | 69.59%     |
| San Joaquin     | 1835            | 79.24%     | 71.61%     |

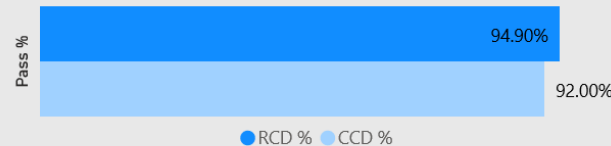
## Distribution

## Transmission

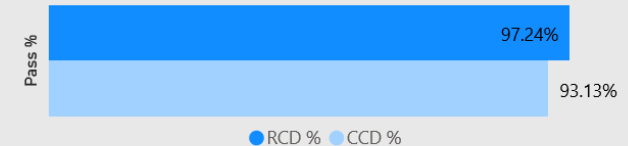
### Clearance Pass % by Rolling 12-Month Period (2021)



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### Total Trees Inspected

21580

### Overall RCD Pass %

95.35%

### Overall CCD Pass %

92.22%

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

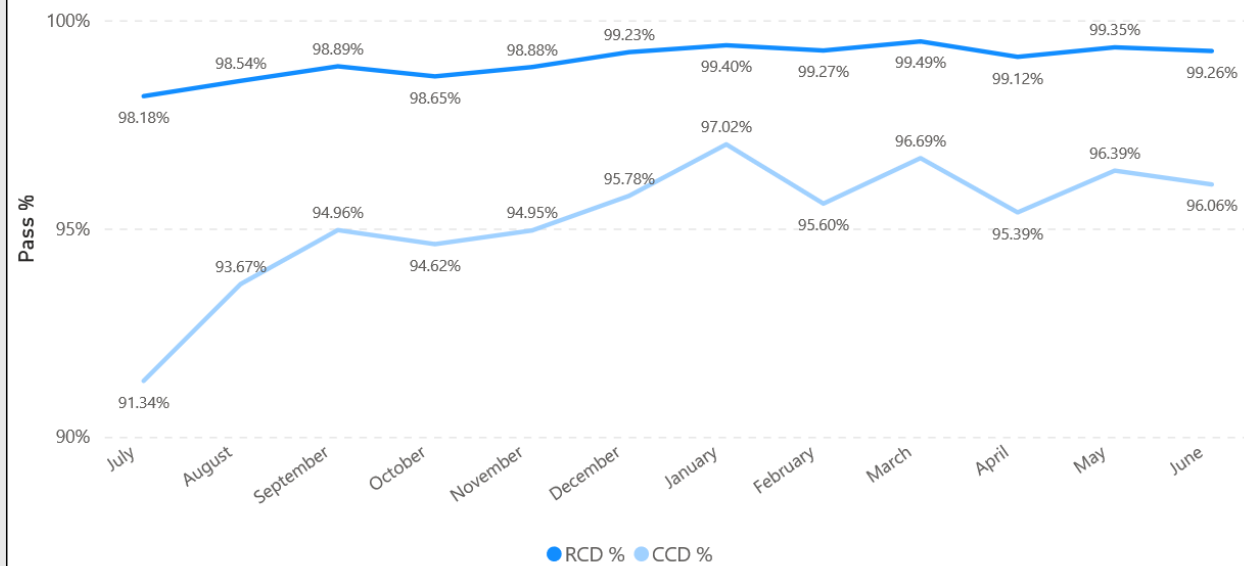
## Pass % by District

| District         | Trees Inspected | RCD Pass % | CCD Pass % |
|------------------|-----------------|------------|------------|
| Fullerton        | 1388            | 100.00%    | 99.14%     |
| Ridgecrest       | 144             | 100.00%    | 100.00%    |
| San Joaquin      | 7618            | 99.88%     | 99.44%     |
| Huntington Beach | 758             | 99.87%     | 99.74%     |
| Ontario          | 9900            | 99.81%     | 98.55%     |
| Big Creek        | 501             | 99.80%     | 99.00%     |
| Whittier         | 5094            | 99.76%     | 98.70%     |
| Tehachapi        | 10345           | 99.71%     | 98.08%     |
| Wildomar         | 16619           | 99.70%     | 98.77%     |
| 29-Palms         | 2542            | 99.69%     | 96.81%     |
| Saddleback       | 1130            | 99.65%     | 97.52%     |
| Bishop/Mammoth   | 6465            | 99.64%     | 97.62%     |
| Kernville        | 15735           | 99.58%     | 96.99%     |
| Covina           | 14874           | 99.43%     | 97.63%     |
| Antelope Valley  | 11011           | 99.38%     | 96.02%     |
| Foothill         | 895             | 99.33%     | 96.54%     |
| Montebello       | 2149            | 99.30%     | 96.60%     |
| Thousand Oaks    | 26191           | 99.22%     | 96.41%     |
| Ventura          | 21189           | 99.19%     | 95.94%     |
| Arrowhead        | 48722           | 99.11%     | 93.91%     |
| Palm Springs     | 2570            | 99.03%     | 95.33%     |
| Santa Ana        | 722             | 98.89%     | 95.01%     |
| Menifee          | 29346           | 98.86%     | 95.12%     |
| Long Beach       | 3543            | 98.81%     | 95.96%     |
| Compton          | 2365            | 98.77%     | 97.08%     |
| Valencia         | 9695            | 98.75%     | 93.88%     |
| Victorville      | 4473            | 98.75%     | 94.14%     |
| South Bay        | 14748           | 98.26%     | 92.72%     |
| Monrovia         | 13225           | 98.03%     | 90.12%     |
| Redlands         | 20969           | 97.81%     | 89.60%     |
| Santa Barbara    | 12919           | 97.79%     | 91.88%     |

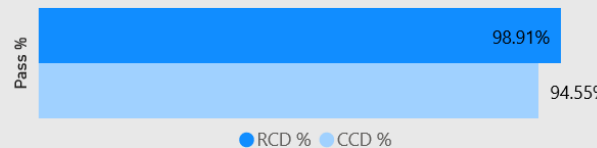
## Distribution

## Transmission

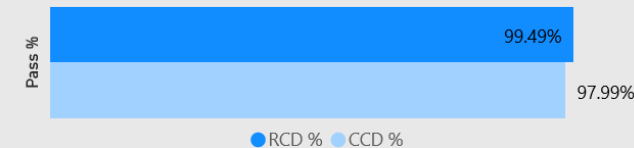
### Clearance Pass % by Rolling 12-Month Period (2021)



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### Total Trees Inspected

328442

### Overall RCD Pass %

99.02%

### Overall CCD Pass %

95.18%

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 – 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

138440

Overall RCD Pass %

99.40%

Overall CCD Pass %

96.50%

Total Trees Inspected

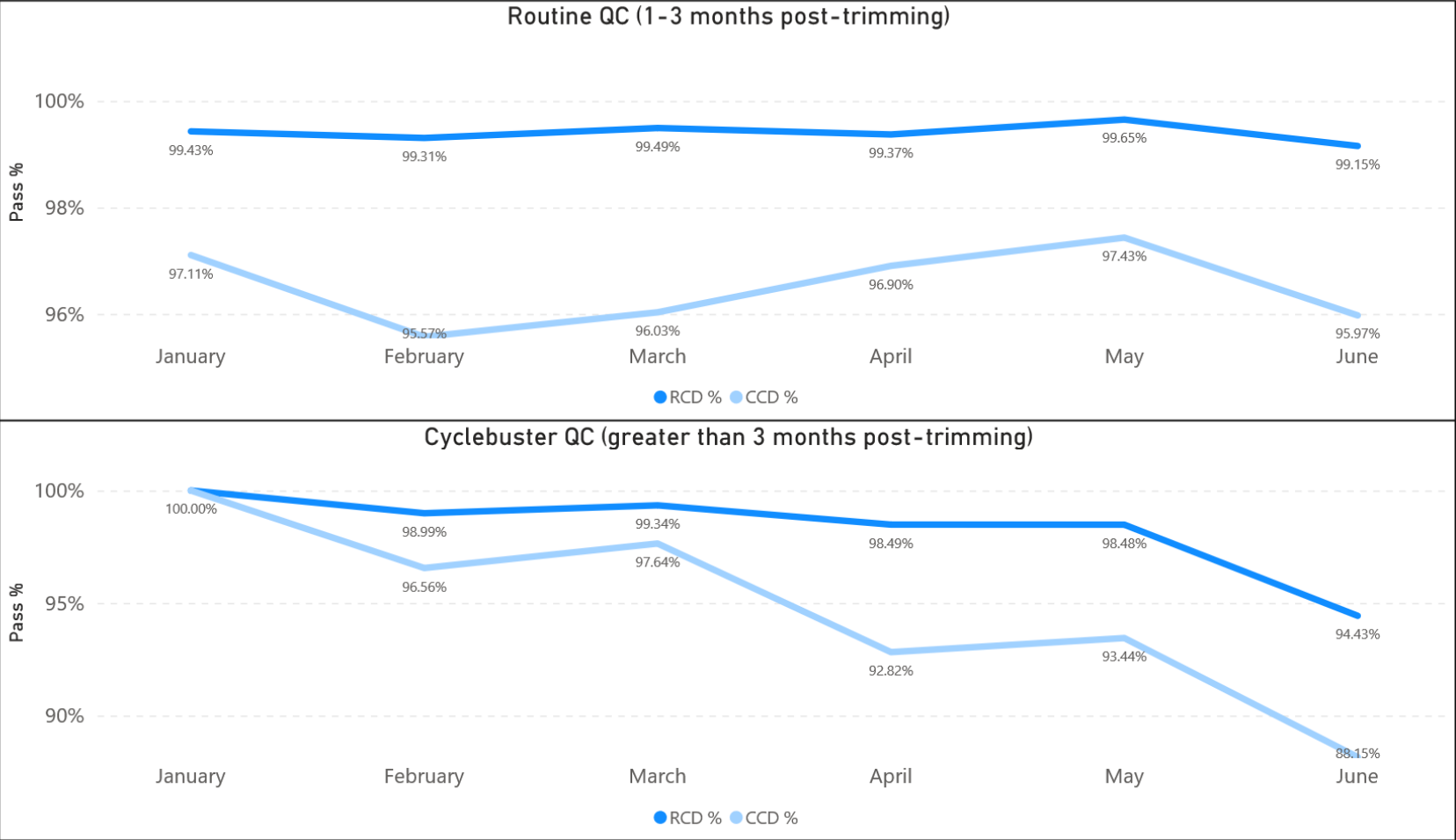
24839

Overall RCD Pass %

98.53%

Overall CCD Pass %

93.96%



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'       |

Other

| Audit | VM Actions   | Due Date | Owner         | Status      |
|-------|--|----------|---------------|-------------|
| TEM-1 | Finalize Vegetation Management Assessment flowchart  | 7/30/21  | OPS/ESD       | In process  |
| TEM-1 | VM will evaluate add-on and scope change data to identify trends   | 7/30/21  | RPPM          | Not Started |
| TEM-2 | Multiple enhancements to Survey123/Collector have been identified by ESD and prioritized by IT to support increased visibility to VM scopes of work and to facilitate additional data collection in the field. VM will provide a list of enhancements that will be incorporated into S123/Collector with milestones, or those items deferred to ARBORA   | 7/30/21  | OPS           | In process  |
| TEM-2 | Request to add a property line layer in S123; this layer is currently available in Fulcrum and ARBORA. As of April 29, 2021, the ESA layer is defaulting to on; however, functionality is intermittent. IT is exploring bug fixes and expects resolution by July 30, 2021.   | 7/30/21  | OPS/IT        | In process  |
| TEM-3 | Revise UVM-09 “inspection” to provide additional direction/instructions to inspection personnel (PIs/Notification Consultants/Customer Coordinators)   | 7/30/21  | COMP          | In process  |
| CEM-2 | Perform a review of the discrepant invoices identified in the audit  | 8/27/21  | RPPM          | In process  |
| TEM-1 | Look for potential probable causes in trend data from add-on/scope changes   | 8/31/21  | RPPM          | Not Started |
| TEM-3 | Provide training on UVM-09 to all UVM employees and contractors  | 9/15/21  | COMP          | Not Started |
| TEM-4 | Evaluate potential enhanced oversight for the invoicing process for add-ons and scope changes  | 9/24/21  | RPPM          | Not Started |
| TEM-1 | Evaluate the ongoing need to engage ESD prior to all add-ons and scope changes. Additional training will be provided to relevant personnel once the threshold for review and approvals has been determined   | 10/15/21 | OPS           | In process  |
| TEM-1 | Determine additional process changes and training needed based on the results of the add-on/scope change trend evaluation and probable causes  | 10/15/21 | RPPM/OPS      | Not Started |
| TEM-3 | Evaluate process changes needed to address oversight and/or effective review process including the need for additional resources if determined so by Observation 1   | 10/15/21 | OPS/RPPM/COMP | In Process  |
| TEM-3 | Explore/evaluate the best option and review threshold for additional oversight of the add-on and scope change process and will work with Supply Management to strengthen contract language   | 10/29/21 | OPS/SM        | In Process  |
| CEM-1 | VM management will work with Supply Management to negotiate reduced rates for stand-by hours used in emergency operations for all its contractors  | 11/12/21 | RPPM          | Not Started |
| CEM-1 | Contingent on successful negotiation of stand-by rates, VM RPPM will explore opportunities to improve the documentation associated with “start and end” of stand-by rate periods to support more accurate invoice review and approval  | 11/12/21 | RPPM          | Not Started |
| CEM-2 | VM will explore additional opportunities for the review of T&E invoices and implement recommended changes. Contingent on the successful negotiation of stand-by rates, VM will explore the best approach for performing accurate reviews of invoices related to stand-by rates and implement these processes as soon as practical and the stand-by rates become effective  | 11/12/21 | RPPM          | Not Started |
| TEM-1 | If ISN badging process cannot be used to verify contractor training records, VM Contract Representatives will review these records upon receipt and follow up with the relevant contractors if the records are incomplete. Process needs to be developed and implemented if ISN process is not feasible  | 12/15/21 | OPS           | In Process  |
| TEM-2 | VM will continue to partner with ESD in the development and deployment of the environmental coordination spreadsheet or other ESD-identified app as well as incorporate the ESD review, approval, and field coordination workflows into ARBORA. NOTE: VM does not have control over the development or timeline of tools created by the ESD Consultants but expects integration of these workflows into ARBORA in 4Q21 | 12/15/21 | OPS/ESD       | In Process  |

VM is currently responding to Observations from two ASD audits

# APPENDIX – Contractor Performance Trending

## 2021 YTD

# Pruning Contractor – Overall Performance (T&D)

| District         | Trees Inspected | RCD Pass % | CCD Pass % | ANSI Pass % |
|------------------|-----------------|------------|------------|-------------|
| 29-Palms         | 589             | 100.00%    | 99.15%     | 99.83%      |
| Blythe           | 354             | 100.00%    | 100.00%    | 100.00%     |
| Fullerton        | 770             | 100.00%    | 99.74%     | 100.00%     |
| Huntington Beach | 355             | 100.00%    | 100.00%    | 100.00%     |
| Ridgecrest       | 87              | 100.00%    | 100.00%    | 100.00%     |
| San Joaquin      | 620             | 100.00%    | 99.84%     | 100.00%     |
| Santa Ana        | 55              | 100.00%    | 100.00%    | 100.00%     |
| Tehachapi        | 476             | 100.00%    | 99.58%     | 94.33%      |
| Wildomar         | 7474            | 100.00%    | 99.93%     | 99.89%      |
| Whittier         | 1970            | 99.90%     | 99.39%     | 99.90%      |
| Long Beach       | 900             | 99.89%     | 99.44%     | 100.00%     |
| Menifee          | 7255            | 99.88%     | 99.53%     | 99.99%      |
| Victorville      | 1866            | 99.84%     | 98.39%     | 100.00%     |
| Ontario          | 5601            | 99.79%     | 99.00%     | 99.82%      |
| Kernville        | 2220            | 99.77%     | 95.90%     | 99.77%      |
| Bishop/Mammoth   | 3271            | 99.76%     | 99.45%     | 99.94%      |
| Covina           | 6532            | 99.40%     | 98.50%     | 99.79%      |
| Thousand Oaks    | 11154           | 99.28%     | 97.19%     | 99.62%      |
| Ventura          | 8399            | 99.17%     | 96.33%     | 99.80%      |
| Foothill         | 479             | 99.16%     | 94.99%     | 99.58%      |
| Arrowhead        | 10953           | 99.16%     | 94.29%     | 99.82%      |
| Montebello       | 1042            | 99.14%     | 95.78%     | 98.85%      |
| Redlands         | 2185            | 98.99%     | 96.57%     | 99.91%      |
| Antelope Valley  | 1455            | 98.97%     | 90.58%     | 99.79%      |
| Compton          | 765             | 98.95%     | 98.82%     | 99.35%      |
| South Bay        | 5569            | 98.85%     | 96.73%     | 99.35%      |
| Valencia         | 2067            | 98.69%     | 94.29%     | 99.32%      |
| Santa Monica     | 527             | 98.48%     | 95.45%     | 100.00%     |
| Santa Barbara    | 2821            | 98.48%     | 93.55%     | 100.00%     |
| Monrovia         | 7151            | 98.17%     | 90.39%     | 99.75%      |
| Saddleback       | 1484            | 97.51%     | 87.33%     | 100.00%     |

## Pruning Contractor Performance

Distribution

Transmission

Arborworks

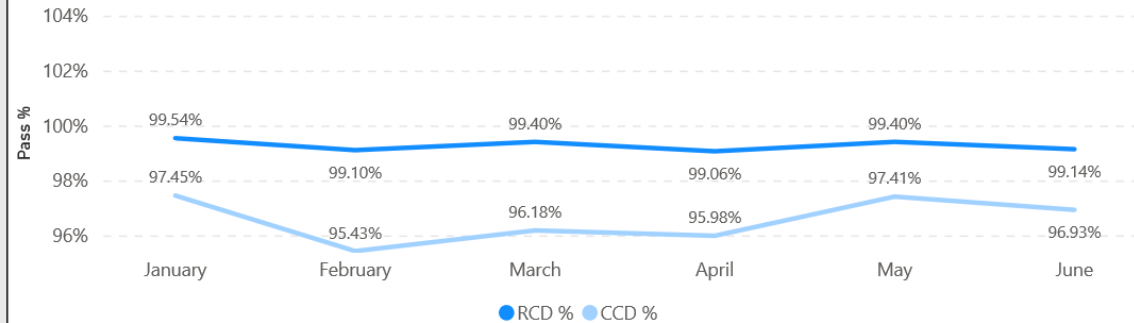
Davey Tree Ex...

Mowbrays Tre...

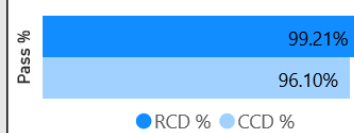
Rolling Green

Utility Tree Ser...

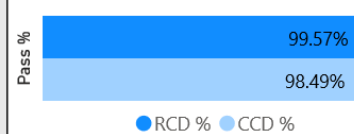
### Clearance Pass % by Month



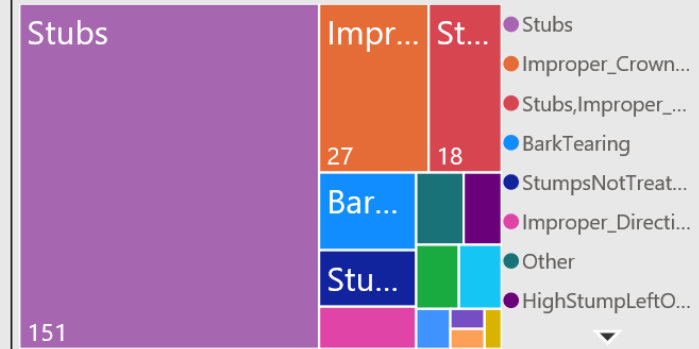
### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

97213

Overall RCD Pass %

99.29%

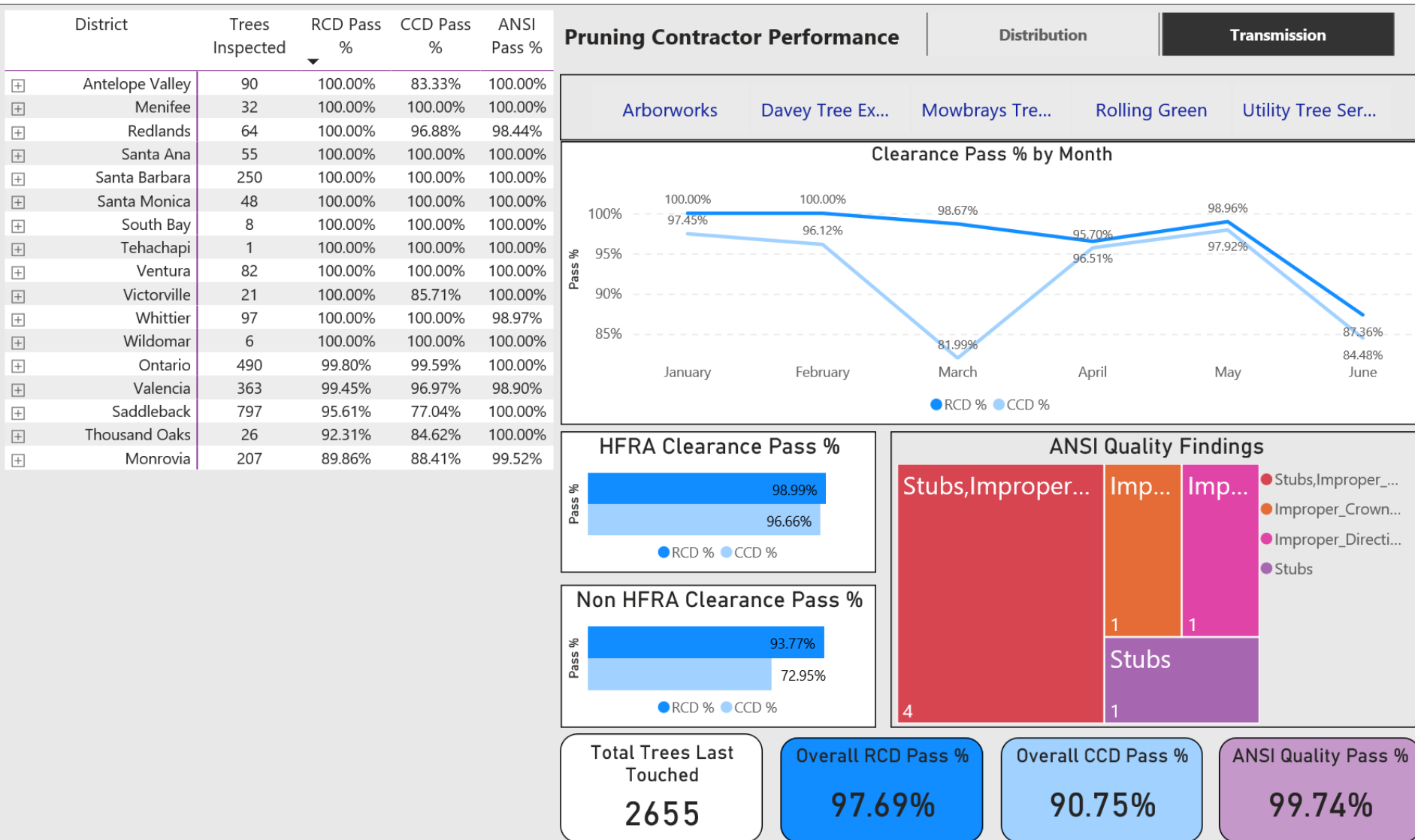
Overall CCD Pass %

96.60%

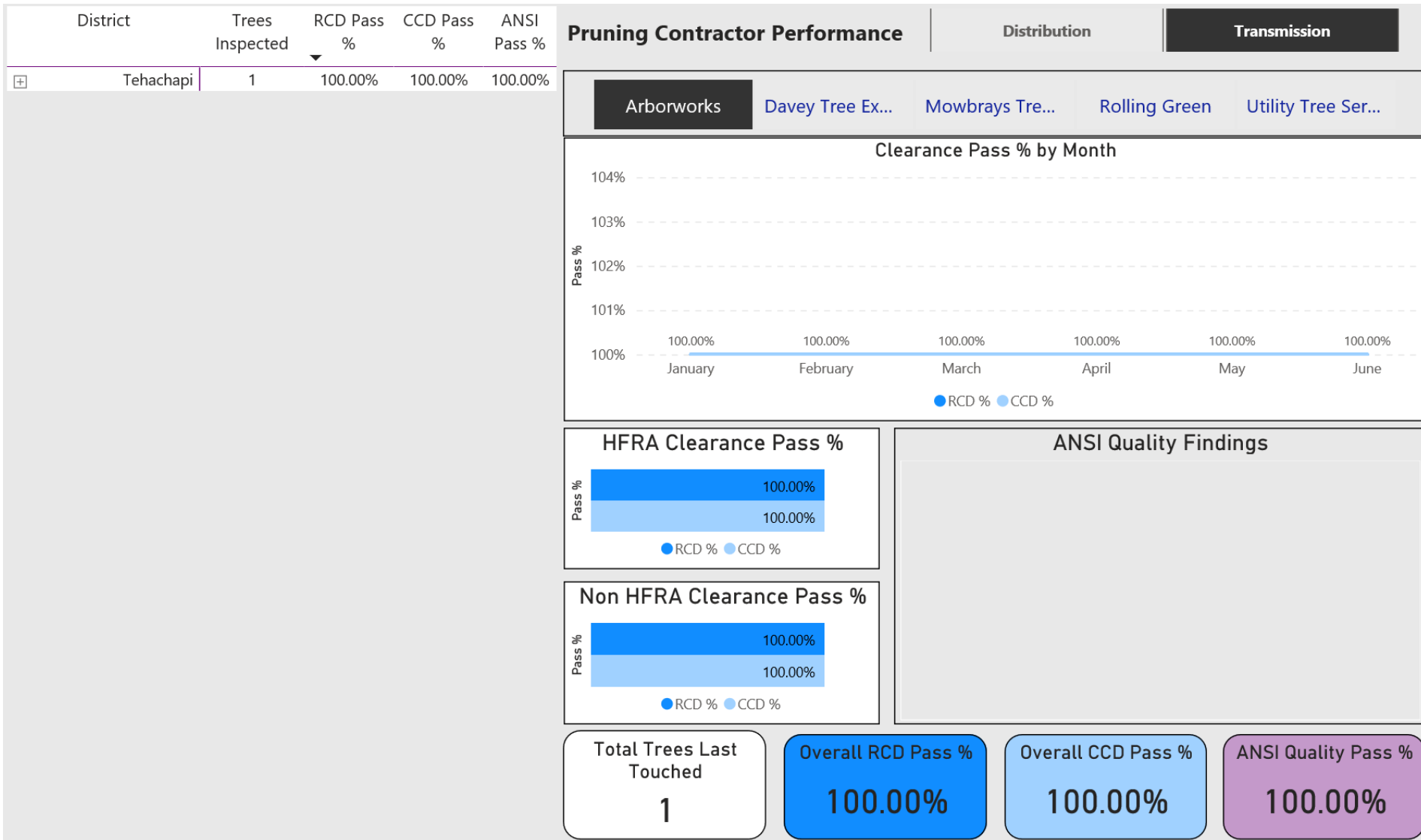
ANSI Quality Pass %

99.75%

# Pruning Contractor – Overall Performance (Transmission)

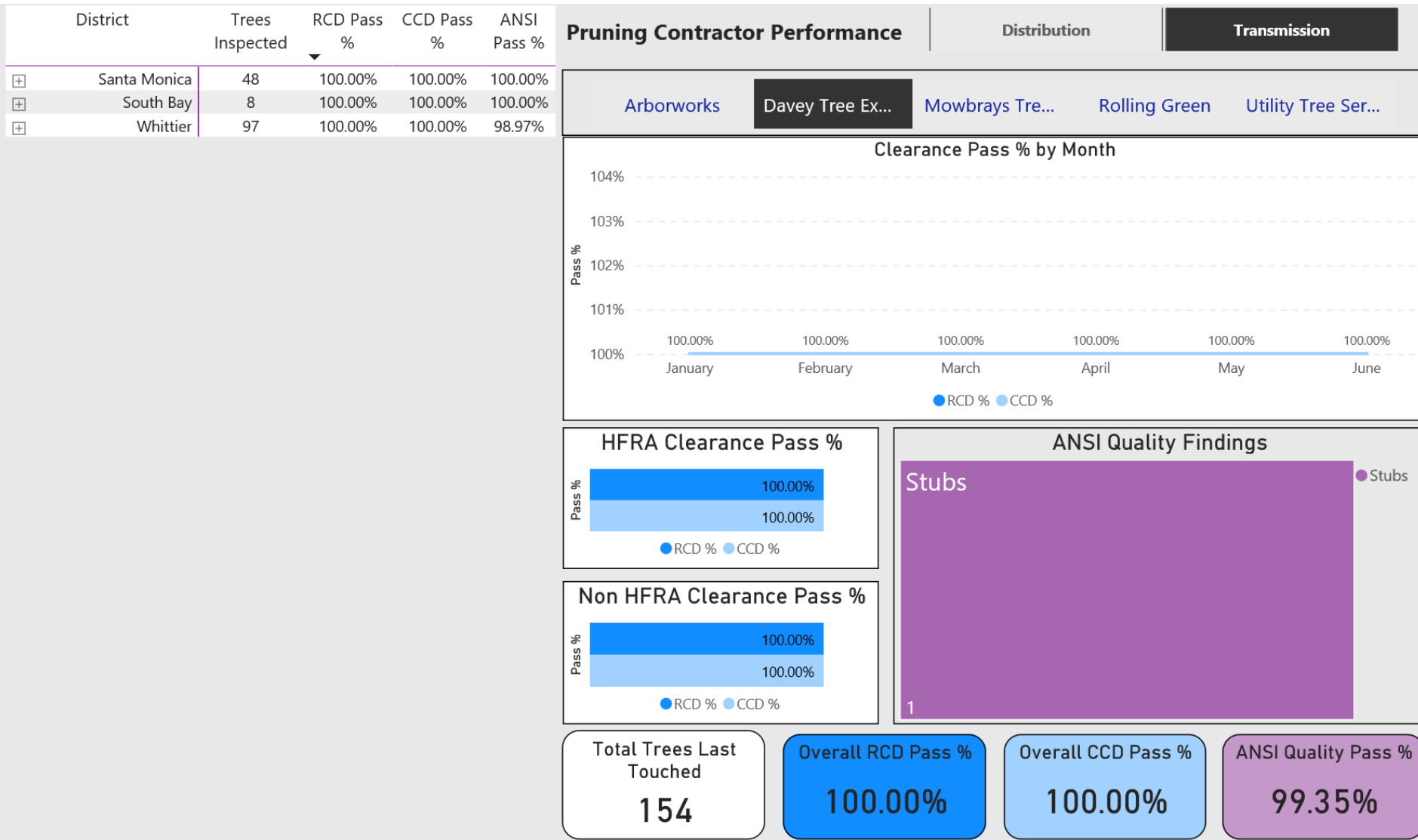


# Pruning Contractor – Arborworks (Transmission)





# Pruning Contractor – Davey Tree Experts (Transmission)



# Pruning Contractor – Mowbrays Tree Service (Transmission)

| District        | Trees Inspected | RCD Pass % | CCD Pass % | ANSI Pass % |
|-----------------|-----------------|------------|------------|-------------|
| Antelope Valley | 90              | 100.00%    | 83.33%     | 100.00%     |
| Menifee         | 32              | 100.00%    | 100.00%    | 100.00%     |
| Redlands        | 64              | 100.00%    | 96.88%     | 98.44%      |
| Victorville     | 21              | 100.00%    | 85.71%     | 100.00%     |
| Wildomar        | 6               | 100.00%    | 100.00%    | 100.00%     |
| Valencia        | 363             | 99.45%     | 96.97%     | 98.90%      |
| Thousand Oaks   | 26              | 92.31%     | 84.62%     | 100.00%     |

## Pruning Contractor Performance

Distribution

Transmission

Arborworks

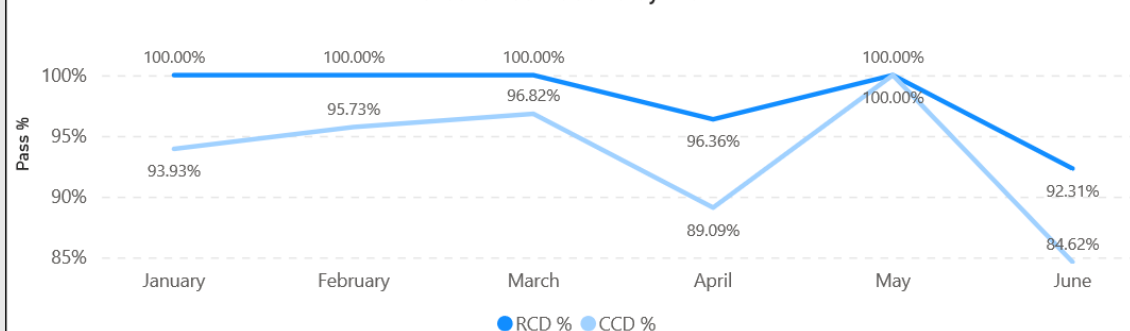
Davey Tree Ex...

**Mowbrays Tre...**

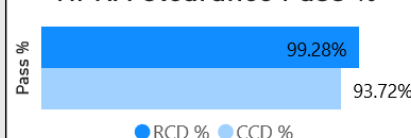
Rolling Green

Utility Tree Ser...

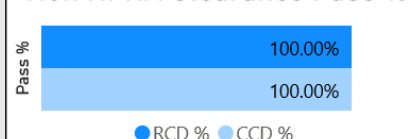
### Clearance Pass % by Month



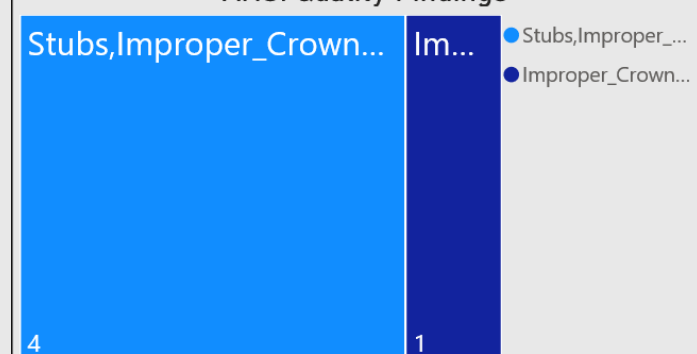
### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

**604**

Overall RCD Pass %

**99.34%**

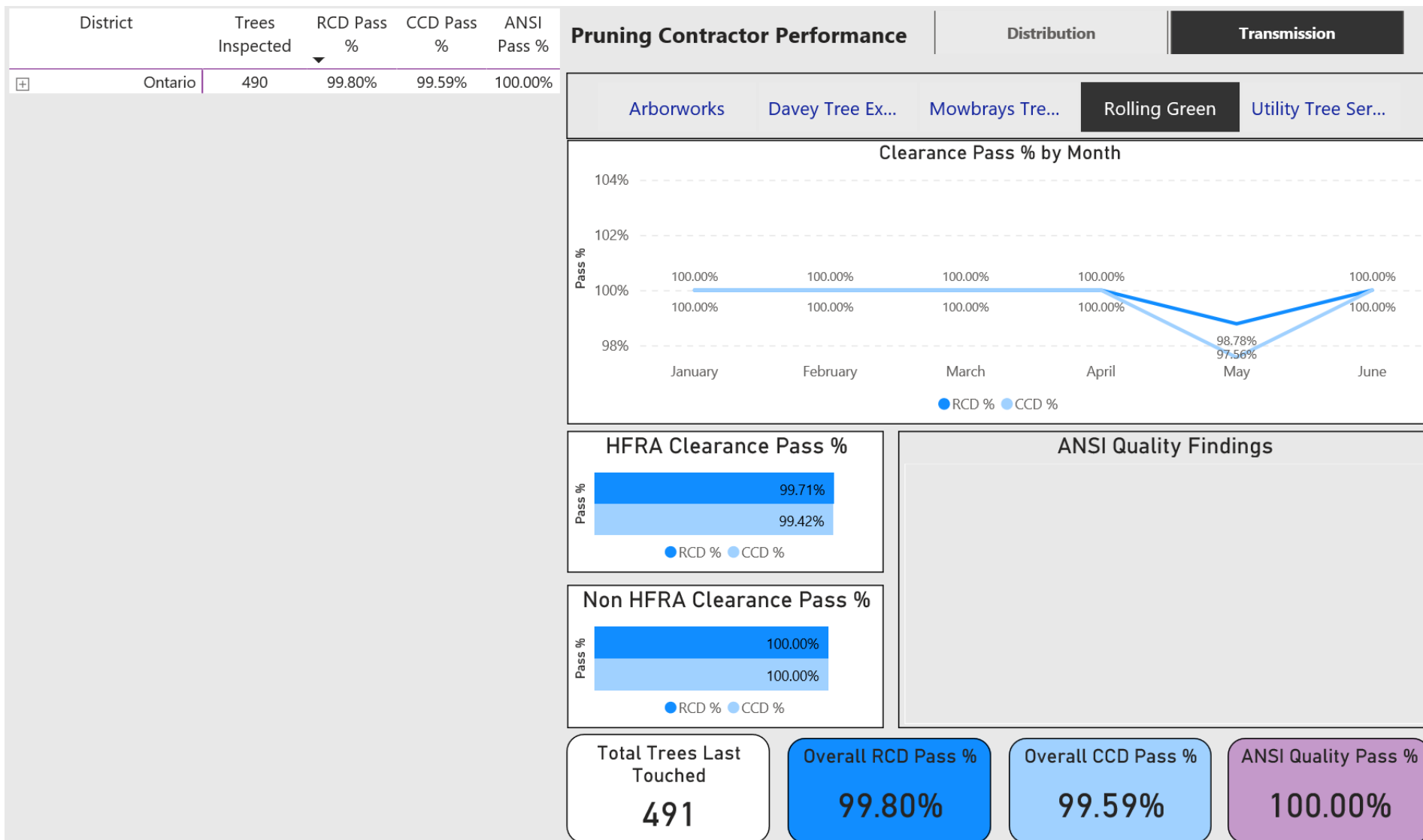
Overall CCD Pass %

**94.19%**

ANSI Quality Pass %

**99.17%**

# Pruning Contractor – Rolling Green (Transmission)



# Pruning Contractor – Utility Tree Service (Transmission)

| District | Trees Inspected | RCD Pass % | CCD Pass % | ANSI Pass % |         |
|----------|-----------------|------------|------------|-------------|---------|
| +        | Santa Ana       | 55         | 100.00%    | 100.00%     | 100.00% |
| +        | Santa Barbara   | 250        | 100.00%    | 100.00%     | 100.00% |
| +        | Ventura         | 82         | 100.00%    | 100.00%     | 100.00% |
| +        | Saddleback      | 797        | 95.61%     | 77.04%      | 100.00% |
| +        | Monrovia        | 207        | 89.86%     | 88.41%      | 99.52%  |

## Pruning Contractor Performance

Distribution

Transmission

Arborworks

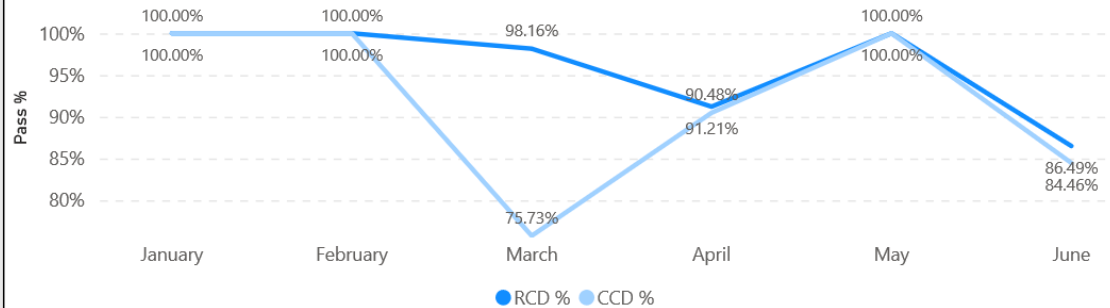
Davey Tree Ex...

Mowbrays Tre...

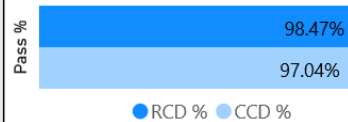
Rolling Green

Utility Tree Ser...

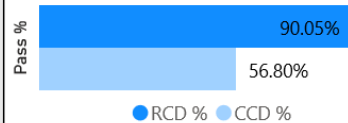
### Clearance Pass % by Month



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

1405

Overall RCD Pass %

95.97%

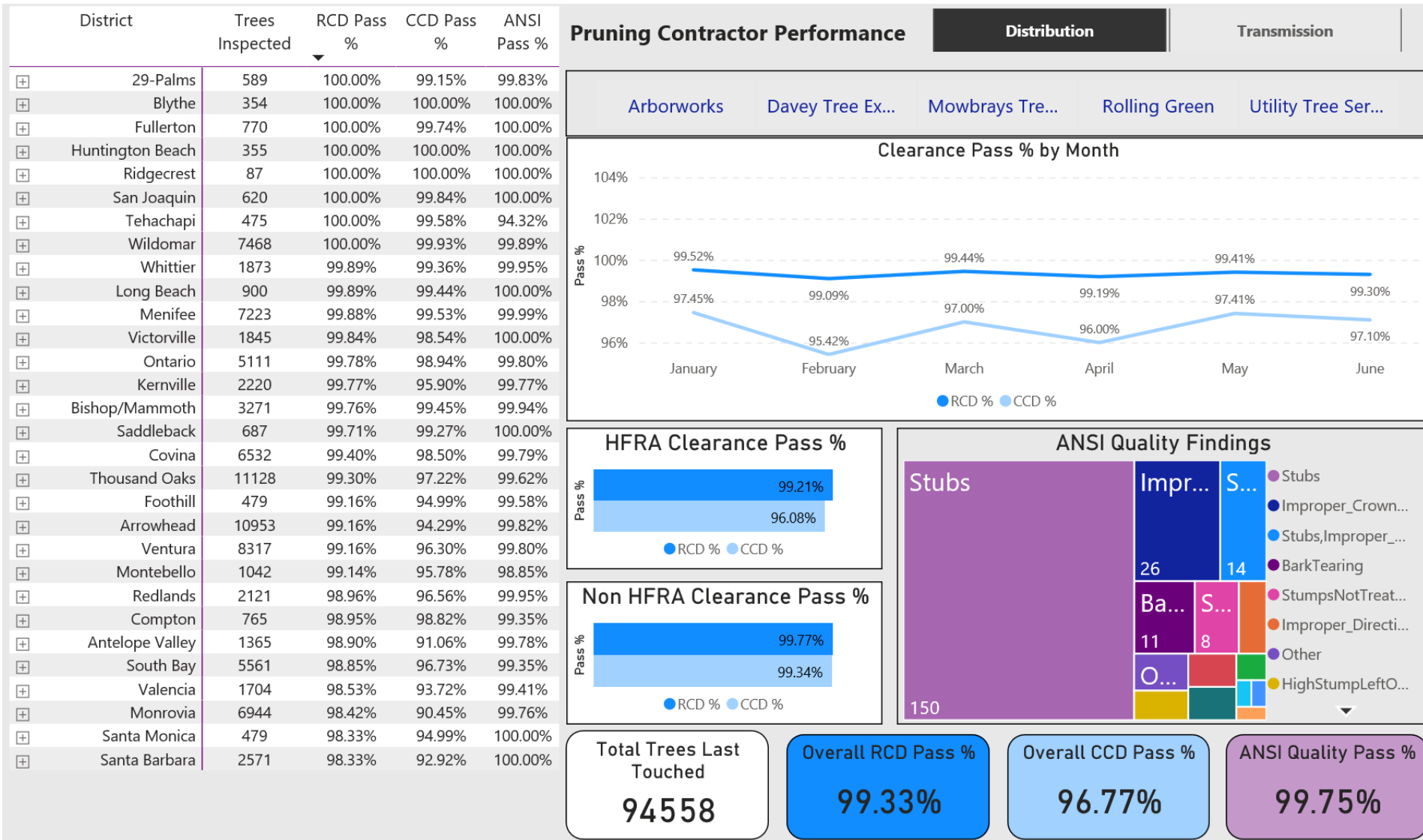
Overall CCD Pass %

85.12%

ANSI Quality Pass %

99.93%

# Pruning Contractor – Overall Performance (Distribution)



# Pruning Contractor – Arborworks (Distribution)

| District       | Trees Inspected | RCD Pass % | CCD Pass % | ANSI Pass % |
|----------------|-----------------|------------|------------|-------------|
| 29-Palms       | 589             | 100.00%    | 99.15%     | 99.83%      |
| Blythe         | 354             | 100.00%    | 100.00%    | 100.00%     |
| Ridgecrest     | 87              | 100.00%    | 100.00%    | 100.00%     |
| Tehachapi      | 475             | 100.00%    | 99.58%     | 94.32%      |
| Kernville      | 2220            | 99.77%     | 95.90%     | 99.77%      |
| Bishop/Mammoth | 3271            | 99.76%     | 99.45%     | 99.94%      |

## Pruning Contractor Performance

### Distribution

### Transmission

#### Arborworks

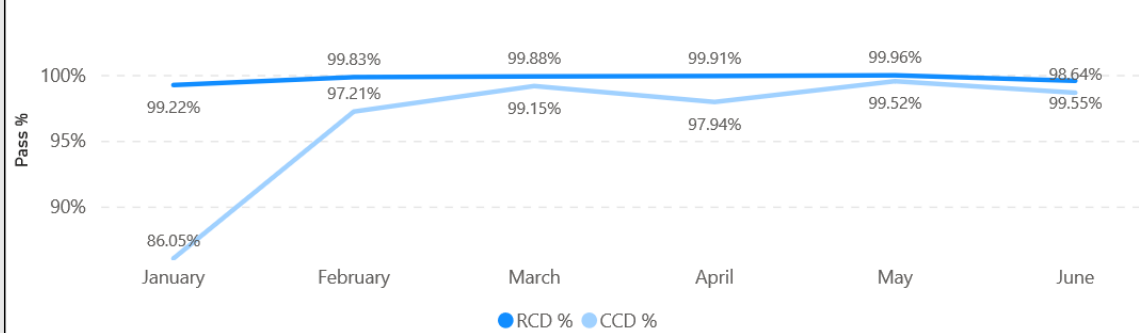
#### Davey Tree Ex...

#### Mowbrays Tre...

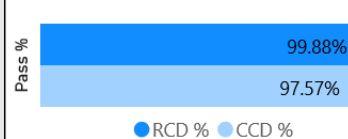
#### Rolling Green

#### Utility Tree Ser...

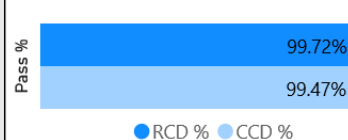
### Clearance Pass % by Month



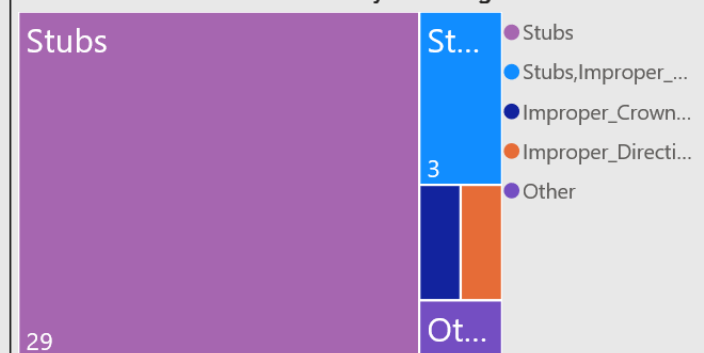
### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

7007

Overall RCD Pass %

99.81%

Overall CCD Pass %

98.34%

ANSI Quality Pass %

99.50%

# Pruning Contractor – Davey Tree Experts (Distribution)

| District     | Trees Inspected | RCD Pass % | CCD Pass % | ANSI Pass % |
|--------------|-----------------|------------|------------|-------------|
| Whittier     | 1873            | 99.89%     | 99.36%     | 99.95%      |
| Long Beach   | 900             | 99.89%     | 99.44%     | 100.00%     |
| Compton      | 765             | 98.95%     | 98.82%     | 99.35%      |
| South Bay    | 5561            | 98.85%     | 96.73%     | 99.35%      |
| Santa Monica | 479             | 98.33%     | 94.99%     | 100.00%     |

## Pruning Contractor Performance

### Distribution

### Transmission

Arborworks

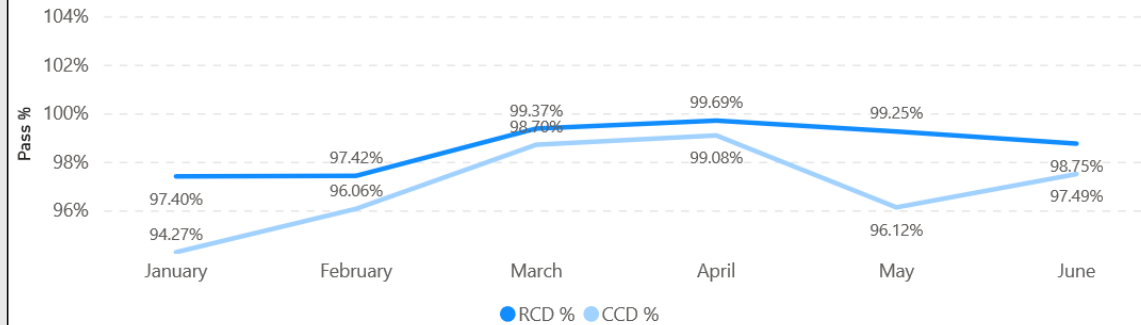
Davey Tree Ex...

Mowbrays Tre...

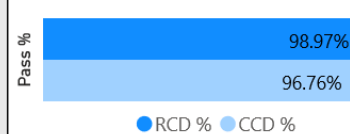
Rolling Green

Utility Tree Ser...

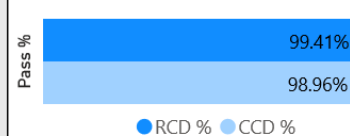
### Clearance Pass % by Month



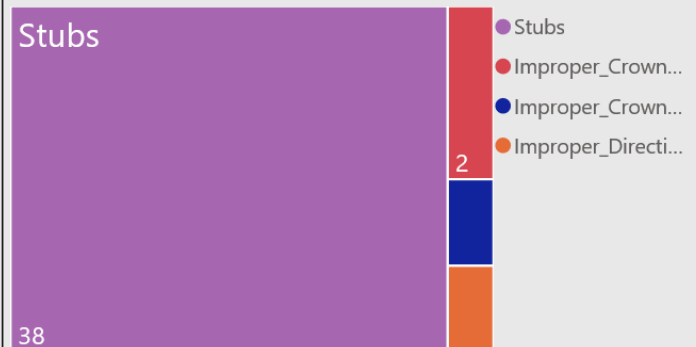
### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

9643

Overall RCD Pass %

99.13%

Overall CCD Pass %

97.58%

ANSI Quality Pass %

99.56%

# Pruning Contractor – Mowbrays Tree Service (Distribution)

| District        | Trees Inspected | RCD Pass % | CCD Pass % | ANSI Pass % |
|-----------------|-----------------|------------|------------|-------------|
| San Joaquin     | 620             | 100.00%    | 99.84%     | 100.00%     |
| Wildomar        | 7468            | 100.00%    | 99.93%     | 99.89%      |
| Menifee         | 7223            | 99.88%     | 99.53%     | 99.99%      |
| Victorville     | 1845            | 99.84%     | 98.54%     | 100.00%     |
| Thousand Oaks   | 11128           | 99.30%     | 97.22%     | 99.62%      |
| Foothill        | 479             | 99.16%     | 94.99%     | 99.58%      |
| Arrowhead       | 10953           | 99.16%     | 94.29%     | 99.82%      |
| Redlands        | 2121            | 98.96%     | 96.56%     | 99.95%      |
| Antelope Valley | 1365            | 98.90%     | 91.06%     | 99.78%      |
| Valencia        | 1704            | 98.53%     | 93.72%     | 99.41%      |

## Pruning Contractor Performance

### Distribution

### Transmission

Arborworks

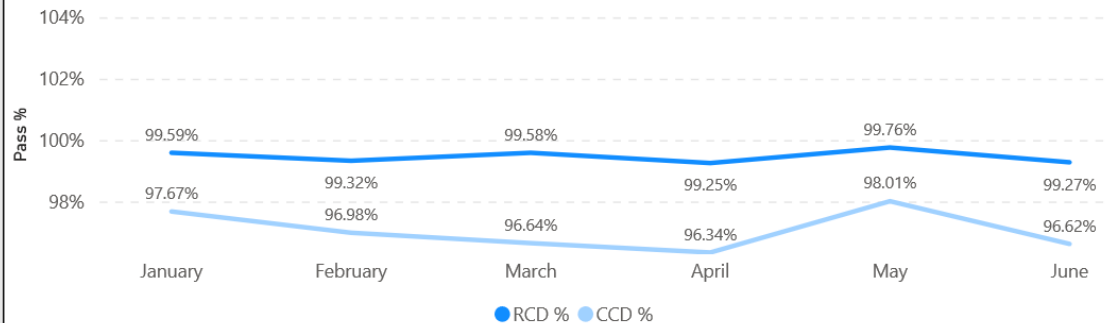
Davey Tree Ex...

Mowbrays Tre...

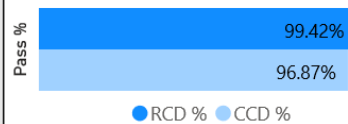
Rolling Green

Utility Tree Ser...

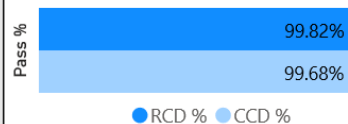
### Clearance Pass % by Month



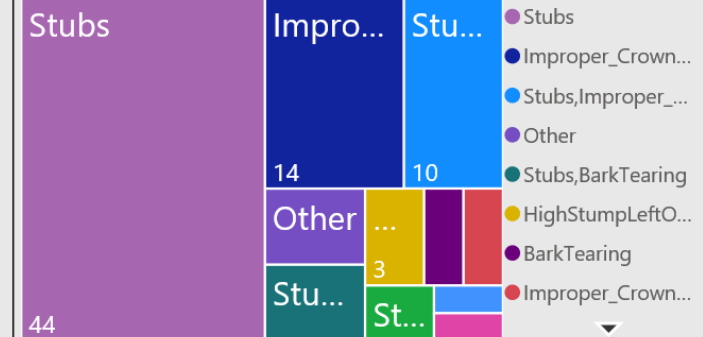
### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

45373

Overall RCD Pass %

99.45%

Overall CCD Pass %

97.04%

ANSI Quality Pass %

99.81%



# Pruning Contractor – Rolling Green (Distribution)

| District |         | Trees Inspected | RCD Pass % | CCD Pass % | ANSI Pass % |
|----------|---------|-----------------|------------|------------|-------------|
| +        | Ontario | 5111            | 99.78%     | 98.94%     | 99.80%      |
| +        | Covina  | 6532            | 99.40%     | 98.50%     | 99.79%      |

## Pruning Contractor Performance

### Distribution

### Transmission

Arborworks

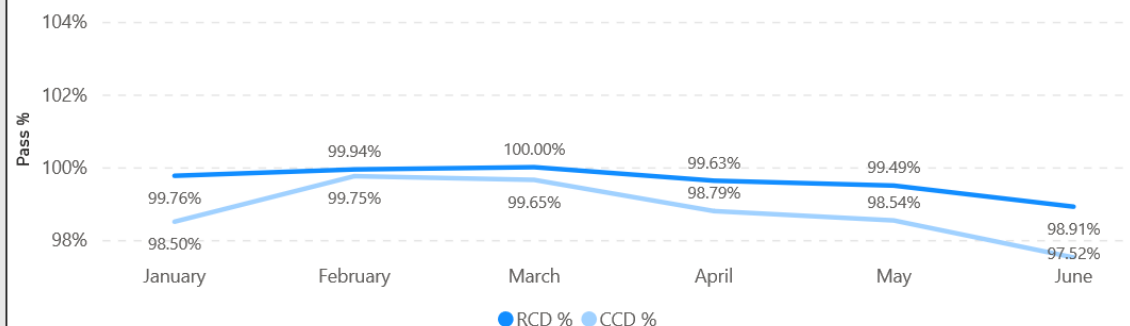
Davey Tree Ex...

Mowbrays Tre...

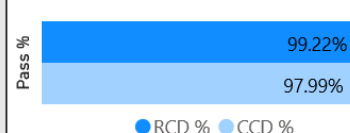
Rolling Green

Utility Tree Ser...

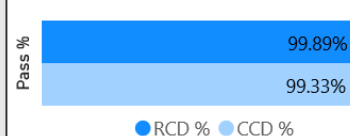
### Clearance Pass % by Month



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched

11667

Overall RCD Pass %

99.57%

Overall CCD Pass %

98.69%

ANSI Quality Pass %

99.79%

# Pruning Contractor – Utility Tree Service (Distribution)

| District         | Trees Inspected | RCD Pass % | CCD Pass % | ANSI Pass % |
|------------------|-----------------|------------|------------|-------------|
| Fullerton        | 770             | 100.00%    | 99.74%     | 100.00%     |
| Huntington Beach | 355             | 100.00%    | 100.00%    | 100.00%     |
| Saddleback       | 687             | 99.71%     | 99.27%     | 100.00%     |
| Ventura          | 8317            | 99.16%     | 96.30%     | 99.80%      |
| Montebello       | 1042            | 99.14%     | 95.78%     | 98.85%      |
| Monrovia         | 6944            | 98.42%     | 90.45%     | 99.76%      |
| Santa Barbara    | 2571            | 98.33%     | 92.92%     | 100.00%     |

## Pruning Contractor Performance

### Distribution

### Transmission

Arborworks

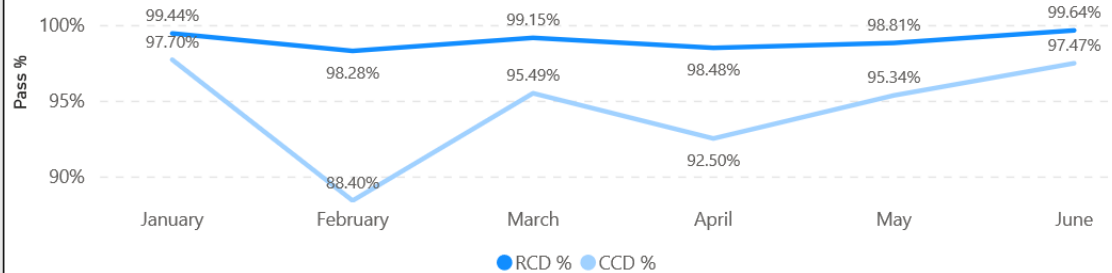
Davey Tree Ex...

Mowbrays Tre...

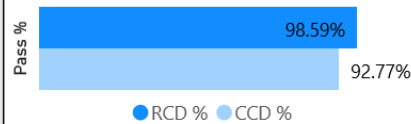
Rolling Green

Utility Tree Ser...

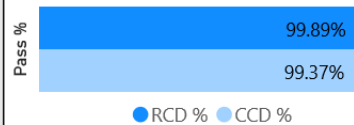
### Clearance Pass % by Month



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



### ANSI Quality Findings



Total Trees Last Touched  
**20868**

Overall RCD Pass %  
**98.87%**

Overall CCD Pass %  
**94.18%**

ANSI Quality Pass %  
**99.77%**

# Inspection Contractor – Overall Performance (T&D)

| District         | Trees Inspected | RCD Failed Trees | RCD Pass % | Missed Tree Qty | Missed Tree Rate |
|------------------|-----------------|------------------|------------|-----------------|------------------|
| 29-Palms         | 263             | 0                | 100.00%    | 9               | 3.42%            |
| Blythe           | 232             | 0                | 100.00%    | 0               | 0.00%            |
| Compton          | 131             | 0                | 100.00%    | 1               | 0.76%            |
| Foothill         | 317             | 0                | 100.00%    | 4               | 1.26%            |
| Fullerton        | 343             | 0                | 100.00%    | 0               | 0.00%            |
| Long Beach       | 137             | 0                | 100.00%    | 1               | 0.73%            |
| Ridgecrest       | 42              | 0                | 100.00%    | 0               | 0.00%            |
| San Joaquin      | 671             | 0                | 100.00%    | 7               | 1.04%            |
| Victorville      | 339             | 0                | 100.00%    | 133             | 39.23%           |
| Wildomar         | 1842            | 0                | 100.00%    | 11              | 0.60%            |
| Bishop/Mammoth   | 1454            | 1                | 99.93%     | 8               | 0.55%            |
| Ontario          | 2068            | 2                | 99.90%     | 16              | 0.77%            |
| Antelope Valley  | 2510            | 3                | 99.88%     | 166             | 6.61%            |
| Whittier         | 1422            | 2                | 99.86%     | 0               | 0.00%            |
| Saddleback       | 449             | 1                | 99.78%     | 1               | 0.22%            |
| South Bay        | 2404            | 7                | 99.71%     | 25              | 1.04%            |
| Menifee          | 2746            | 8                | 99.71%     | 39              | 1.42%            |
| Montebello       | 343             | 1                | 99.71%     | 6               | 1.75%            |
| Kernville        | 5121            | 15               | 99.71%     | 273             | 5.33%            |
| Tehachapi        | 309             | 1                | 99.68%     | 6               | 1.94%            |
| Ventura          | 4566            | 16               | 99.65%     | 93              | 2.04%            |
| Monrovia         | 3976            | 18               | 99.55%     | 107             | 2.69%            |
| Huntington Beach | 216             | 1                | 99.54%     | 0               | 0.00%            |
| Covina           | 1420            | 9                | 99.37%     | 38              | 2.68%            |
| Arrowhead        | 4431            | 33               | 99.26%     | 380             | 8.58%            |
| Valencia         | 1203            | 15               | 98.75%     | 80              | 6.65%            |
| Thousand Oaks    | 3893            | 53               | 98.64%     | 80              | 2.05%            |
| Santa Monica     | 64              | 1                | 98.44%     | 0               | 0.00%            |
| Santa Barbara    | 976             | 23               | 97.64%     | 22              | 2.25%            |
| Redlands         | 2232            | 61               | 97.27%     | 96              | 4.30%            |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

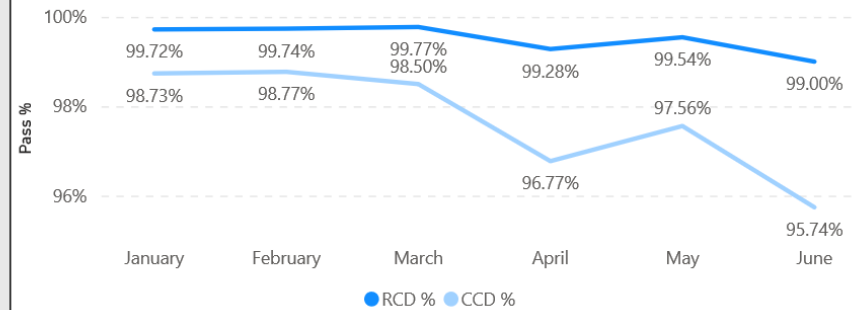
UPE

Total Trees  
Last Touched  
**67449**

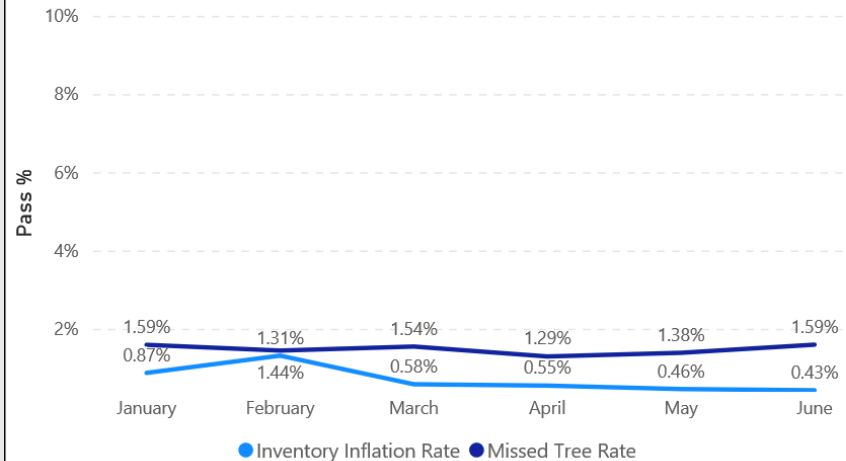
Overall RCD  
Pass %  
**99.47%**

Overall CCD  
Pass %  
**97.52%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees  
QC'd  
**166125**

Missed Rate  
**1.47%**

Inflation Rate  
**0.67%**

Work Type  
Accuracy  
**98.95%**

Species ID  
**99.25%**

- 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 | 106             | 0                | 100.00%    | 0               | 0.00%            |
| Meniffee        | 119             | 0                | 100.00%    | 0               | 0.00%            |
| Ontario         | 296             | 0                | 100.00%    | 0               | 0.00%            |
| Santa Barbara   | 275             | 0                | 100.00%    | 0               | 0.00%            |
| Valencia        | 216             | 0                | 100.00%    | 3               | 1.39%            |
| Ventura         | 62              | 0                | 100.00%    | 0               | 0.00%            |
| Victorville     | 59              | 0                | 100.00%    | 2               | 3.39%            |
| Whittier        | 30              | 0                | 100.00%    | 0               | 0.00%            |
| Monrovia        | 845             | 3                | 99.64%     | 12              | 1.42%            |
| Saddleback      | 238             | 1                | 99.58%     | 0               | 0.00%            |
| Thousand Oaks   | 200             | 35               | 82.50%     | 0               | 0.00%            |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

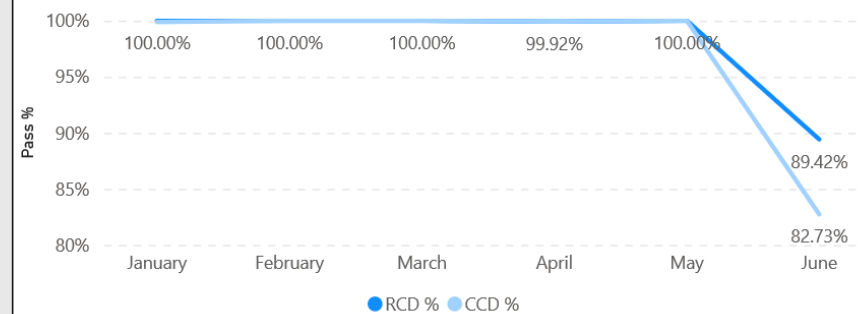
UPE

Total Trees  
Last Touched  
**3224**

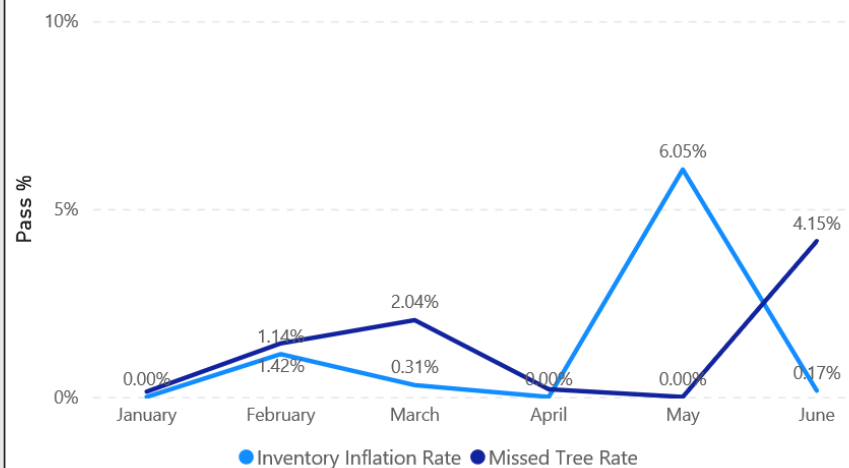
Overall RCD  
Pass %  
**98.78%**

Overall CCD  
Pass %  
**98.00%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees  
QC'd  
**5919**

Missed Rate  
**1.05%**

Inflation Rate  
**0.47%**

Work Type  
Accuracy  
**99.26%**

Species ID  
**99.66%**

- 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> | 275             | 0                | 100.00%    | 0               | 0.00%            |
| <b>Ventura</b>       | 62              | 0                | 100.00%    | 0               | 0.00%            |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

UPE

Total Trees Last Touched

423

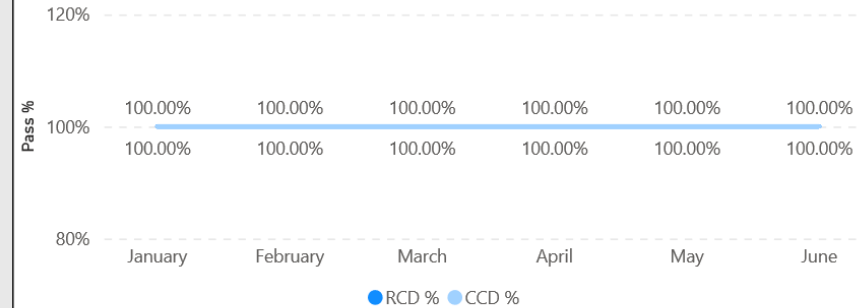
Overall RCD Pass %

100.00%

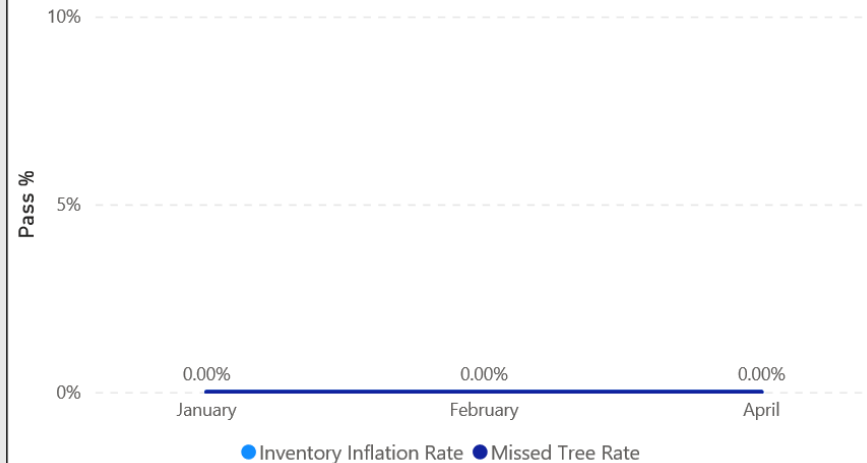
Overall CCD Pass %

100.00%

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month


 Total Trees QC'd  
755

 Missed Rate  
0.00%

 Inflation Rate  
0.00%

 Work Type Accuracy  
100.00%

 Species ID  
99.74%

- 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 Inspected | RCD Failed Trees | RCD Pass % | Missed Tree Qty | Missed Tree Rate |
|-------------|-----------------|------------------|------------|-----------------|------------------|
| Menifee     | 119             | 0                | 100.00%    | 0               | 0.00%            |
| Ontario     | 296             | 0                | 100.00%    | 0               | 0.00%            |
| Victorville | 59              | 0                | 100.00%    | 2               | 3.39%            |
| Monrovia    | 845             | 3                | 99.64%     | 12              | 1.42%            |
| Saddleback  | 238             | 1                | 99.58%     | 0               | 0.00%            |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

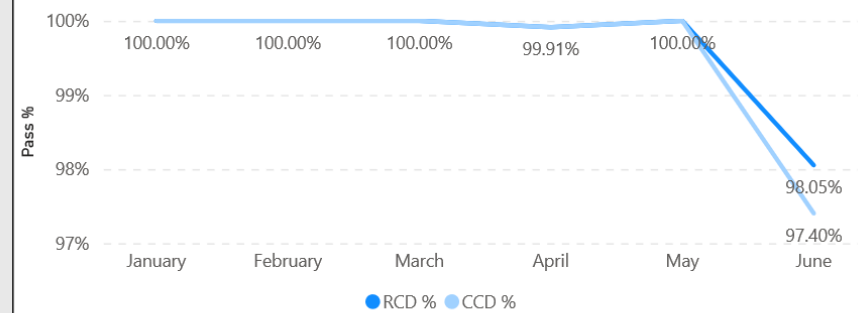
UPE

Total Trees Last Touched  
**1996**

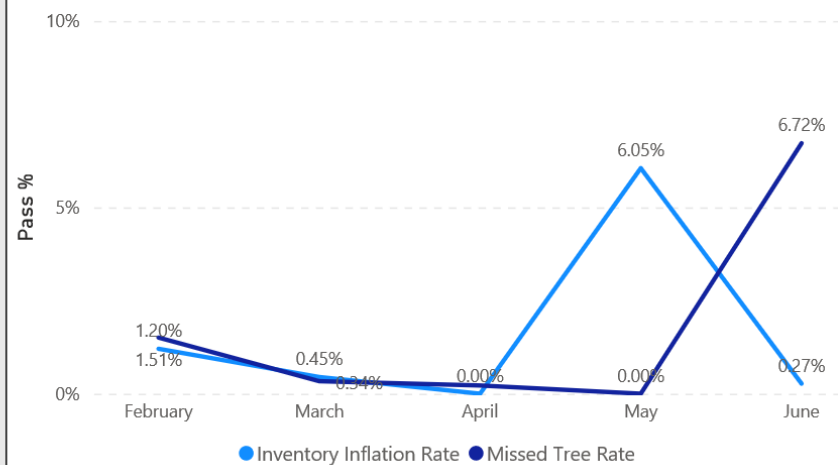
Overall RCD Pass %  
**99.80%**

Overall CCD Pass %  
**99.75%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd  
**3727**

Missed Rate  
**0.99%**

Inflation Rate  
**0.75%**

Work Type Accuracy  
**98.90%**

Species ID  
**99.57%**

- 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 |
|-----------------|-----------------|------------------|----------------|-----------------|------------------|
| <b>Whittier</b> | <b>30</b>       | <b>0</b>         | <b>100.00%</b> | <b>0</b>        | <b>0.00%</b>     |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

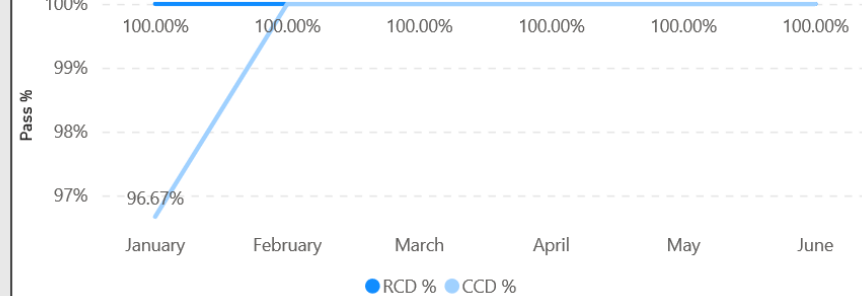
UPE

Total Trees Last Touched  
**70**

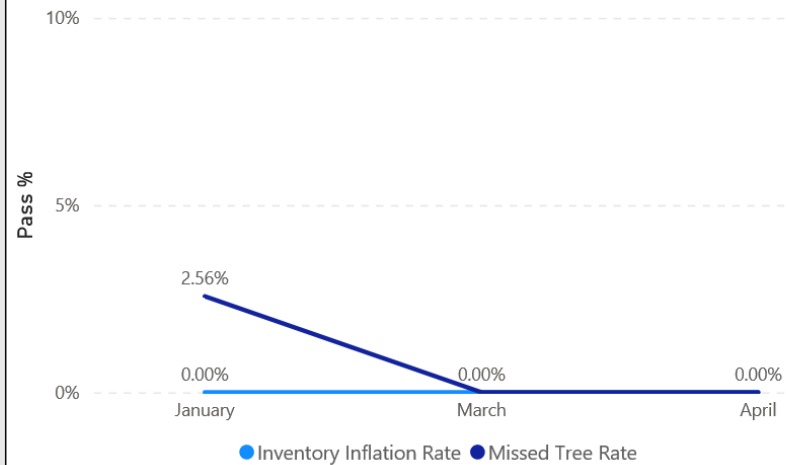
Overall RCD Pass %  
**100.00%**

Overall CCD Pass %  
**98.57%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd  
**221**

Missed Rate  
**0.90%**

Inflation Rate  
**0.00%**

Work Type Accuracy  
**98.64%**

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 – UPE (Transmission)

| District        | Trees Inspected | RCD Failed Trees | RCD Pass % | Missed Tree Qty | Missed Tree Rate |
|-----------------|-----------------|------------------|------------|-----------------|------------------|
| Antelope Valley | 106             | 0                | 100.00%    | 0               | 0.00%            |
| Valencia        | 216             | 0                | 100.00%    | 3               | 1.39%            |
| Thousand Oaks   | 200             | 35               | 82.50%     | 0               | 0.00%            |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

UPE

Total Trees  
Last Touched

735

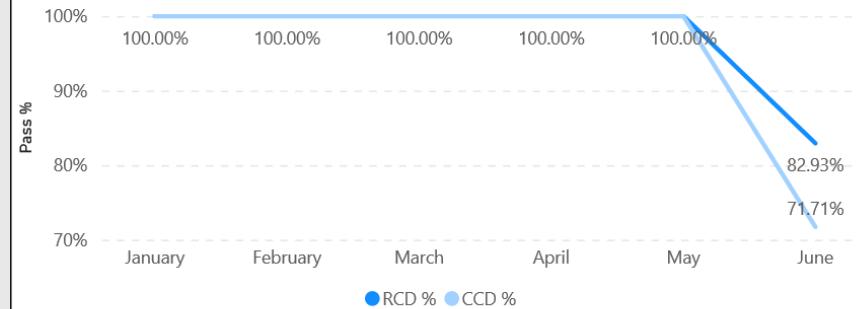
Overall RCD  
Pass %

95.23%

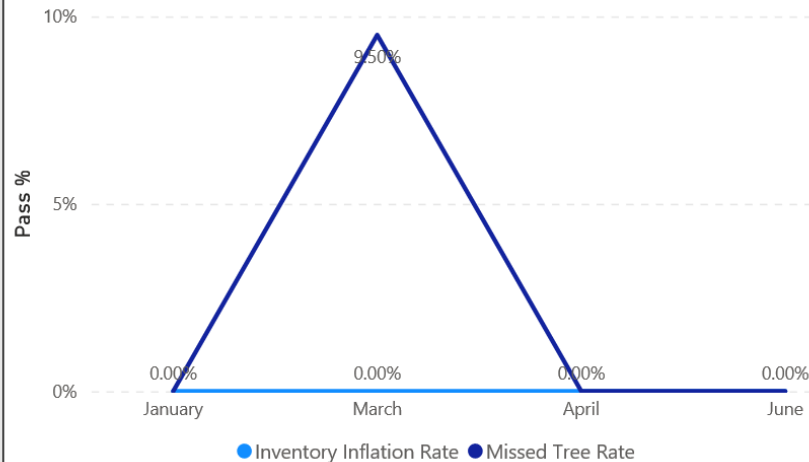
Overall CCD  
Pass %

92.09%

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month

Total Trees  
QC'd  
1216Missed Rate  
1.89%Inflation Rate  
0.00%Work Type  
Accuracy  
100.00%Species ID  
99.92%

- 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 – YTD Missed Tree Trend (Distribution)

| District         | Trees Inspected | RCD Failed Trees | RCD Pass % | Missed Tree Qty | Missed Tree Rate |
|------------------|-----------------|------------------|------------|-----------------|------------------|
| 29-Palms         | 263             | 0                | 100.00%    | 9               | 3.42%            |
| Blythe           | 232             | 0                | 100.00%    | 0               | 0.00%            |
| Compton          | 131             | 0                | 100.00%    | 1               | 0.76%            |
| Foothill         | 317             | 0                | 100.00%    | 4               | 1.26%            |
| Fullerton        | 343             | 0                | 100.00%    | 0               | 0.00%            |
| Long Beach       | 137             | 0                | 100.00%    | 1               | 0.73%            |
| Ridgecrest       | 42              | 0                | 100.00%    | 0               | 0.00%            |
| Saddleback       | 211             | 0                | 100.00%    | 1               | 0.47%            |
| San Joaquin      | 671             | 0                | 100.00%    | 7               | 1.04%            |
| Victorville      | 280             | 0                | 100.00%    | 131             | 46.79%           |
| Wildomar         | 1842            | 0                | 100.00%    | 11              | 0.60%            |
| Bishop/Mammoth   | 1454            | 1                | 99.93%     | 8               | 0.55%            |
| Ontario          | 1772            | 2                | 99.89%     | 16              | 0.90%            |
| Antelope Valley  | 2404            | 3                | 99.88%     | 166             | 6.91%            |
| Whittier         | 1392            | 2                | 99.86%     | 0               | 0.00%            |
| South Bay        | 2404            | 7                | 99.71%     | 25              | 1.04%            |
| Montebello       | 343             | 1                | 99.71%     | 6               | 1.75%            |
| Kernville        | 5121            | 15               | 99.71%     | 273             | 5.33%            |
| Menifee          | 2627            | 8                | 99.70%     | 39              | 1.48%            |
| Tehachapi        | 309             | 1                | 99.68%     | 6               | 1.94%            |
| Ventura          | 4504            | 16               | 99.64%     | 93              | 2.06%            |
| Huntington Beach | 216             | 1                | 99.54%     | 0               | 0.00%            |
| Monrovia         | 3131            | 15               | 99.52%     | 95              | 3.03%            |
| Thousand Oaks    | 3693            | 18               | 99.51%     | 80              | 2.17%            |
| Covina           | 1420            | 9                | 99.37%     | 38              | 2.68%            |
| Arrowhead        | 4431            | 33               | 99.26%     | 380             | 8.58%            |
| Valencia         | 987             | 15               | 98.48%     | 77              | 7.80%            |
| Santa Monica     | 64              | 1                | 98.44%     | 0               | 0.00%            |
| Redlands         | 2232            | 61               | 97.27%     | 96              | 4.30%            |
| Santa Barbara    | 701             | 23               | 96.72%     | 22              | 3.14%            |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

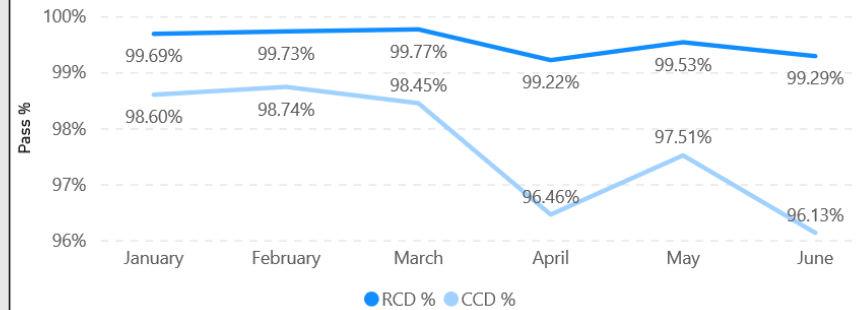
UPE

Total Trees  
Last Touched  
**64066**

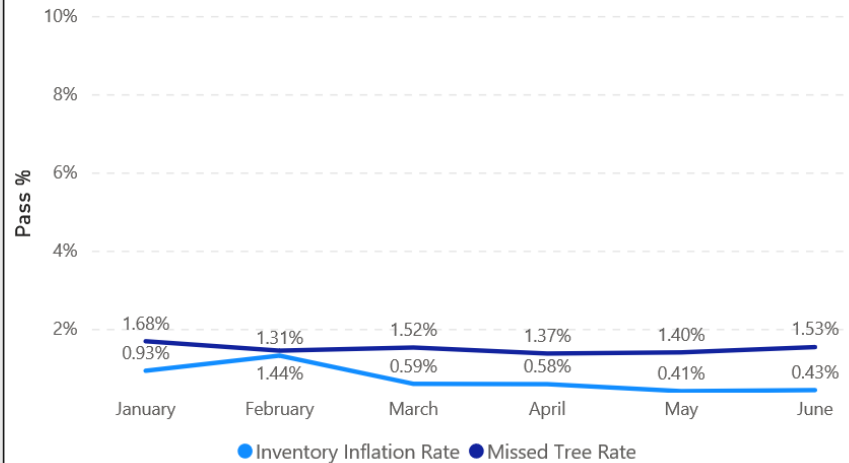
Overall RCD  
Pass %  
**99.51%**

Overall CCD  
Pass %  
**97.50%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees  
QC'd  
**160047**

Missed Rate  
**1.48%**

Inflation Rate  
**0.68%**

Work Type  
Accuracy  
**98.94%**

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 – ACRT (Distribution)

| District       | Trees Inspected | RCD Failed Trees | RCD Pass % | Missed Tree Qty | Missed Tree Rate |
|----------------|-----------------|------------------|------------|-----------------|------------------|
| 29-Palms       | 263             | 0                | 100.00%    | 9               | 3.42%            |
| Blythe         | 232             | 0                | 100.00%    | 0               | 0.00%            |
| Ridgecrest     | 42              | 0                | 100.00%    | 0               | 0.00%            |
| San Joaquin    | 671             | 0                | 100.00%    | 7               | 1.04%            |
| Bishop/Mammoth | 1454            | 1                | 99.93%     | 8               | 0.55%            |
| Kernville      | 5121            | 15               | 99.71%     | 273             | 5.33%            |
| Tehachapi      | 309             | 1                | 99.68%     | 6               | 1.94%            |
| Ventura        | 4504            | 16               | 99.64%     | 93              | 2.06%            |
| Santa Barbara  | 701             | 23               | 96.72%     | 22              | 3.14%            |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

UPE

Total Trees Last Touched

19341

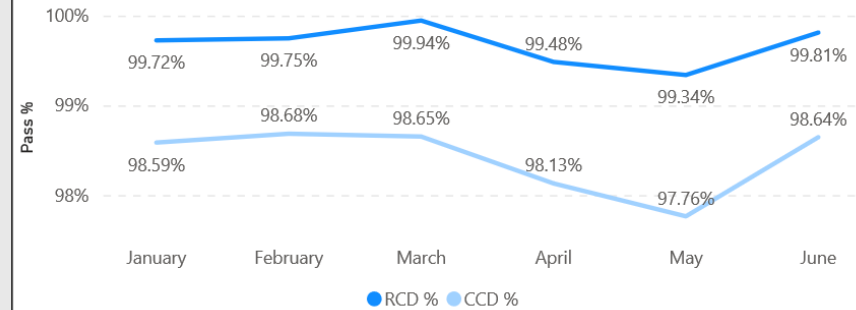
Overall RCD Pass %

99.66%

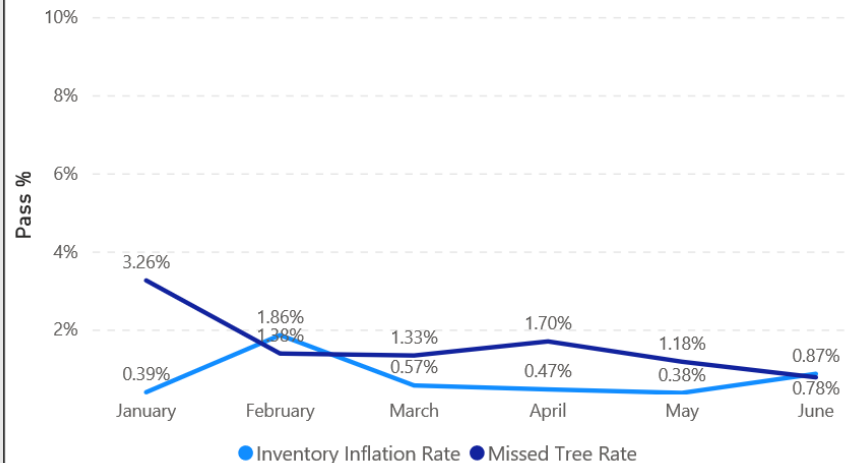
Overall CCD Pass %

98.36%

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd

37852

Missed Rate

1.52%

Inflation Rate

0.63%

Work Type Accuracy

99.96%

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 – CNUC (Distribution)

| District | Trees Inspected  | RCD Failed Trees | RCD Pass % | Missed Tree Qty | Missed Tree Rate |        |
|----------|------------------|------------------|------------|-----------------|------------------|--------|
| +        | Foothill         | 317              | 0          | 100.00%         | 4                | 1.26%  |
| +        | Fullerton        | 343              | 0          | 100.00%         | 0                | 0.00%  |
| +        | Saddleback       | 211              | 0          | 100.00%         | 1                | 0.47%  |
| +        | Victorville      | 280              | 0          | 100.00%         | 131              | 46.79% |
| +        | Wildomar         | 1842             | 0          | 100.00%         | 11               | 0.60%  |
| +        | Ontario          | 1772             | 2          | 99.89%          | 16               | 0.90%  |
| +        | Montebello       | 343              | 1          | 99.71%          | 6                | 1.75%  |
| +        | Menifee          | 2627             | 8          | 99.70%          | 39               | 1.48%  |
| +        | Huntington Beach | 216              | 1          | 99.54%          | 0                | 0.00%  |
| +        | Monrovia         | 3131             | 15         | 99.52%          | 95               | 3.03%  |
| +        | Covina           | 1420             | 9          | 99.37%          | 38               | 2.68%  |
| +        | Arrowhead        | 4431             | 33         | 99.26%          | 380              | 8.58%  |
| +        | Redlands         | 2232             | 61         | 97.27%          | 96               | 4.30%  |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

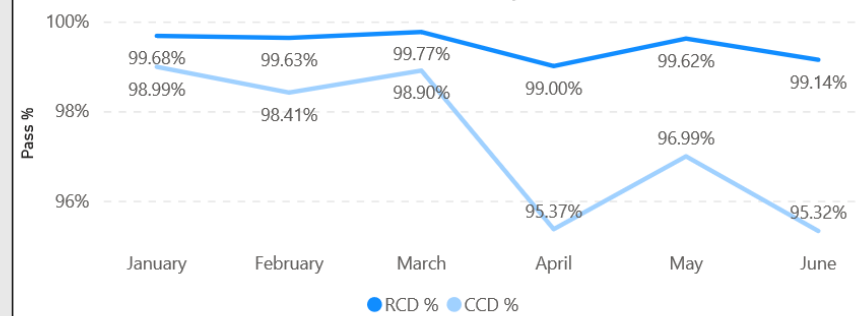
UPE

Total Trees Last Touched  
**27994**

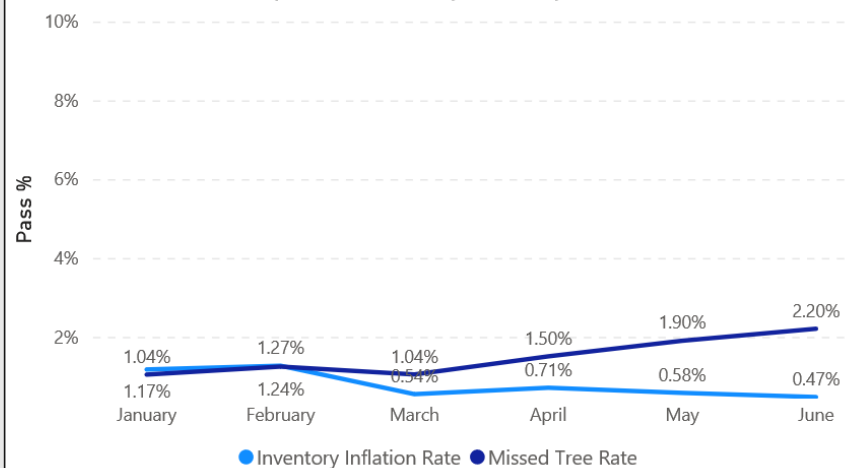
Overall RCD Pass %  
**99.39%**

Overall CCD Pass %  
**96.88%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd  
**80769**

Missed Rate  
**1.51%**

Inflation Rate  
**0.79%**

Work Type Accuracy  
**98.69%**

Species ID  
**99.28%**

- 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 |
|--------------|-----------------|------------------|------------|-----------------|------------------|
| Compton      | 131             | 0                | 100.00%    | 1               | 0.76%            |
| Long Beach   | 137             | 0                | 100.00%    | 1               | 0.73%            |
| Whittier     | 1392            | 2                | 99.86%     | 0               | 0.00%            |
| South Bay    | 2404            | 7                | 99.71%     | 25              | 1.04%            |
| Santa Monica | 64              | 1                | 98.44%     | 0               | 0.00%            |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

UPE

Total Trees Last Touched

5515

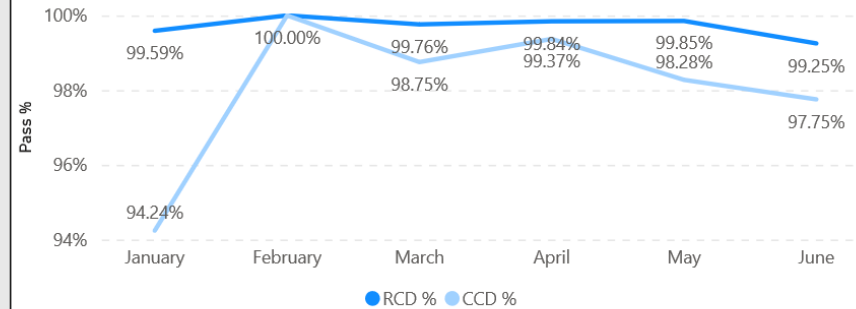
Overall RCD Pass %

99.78%

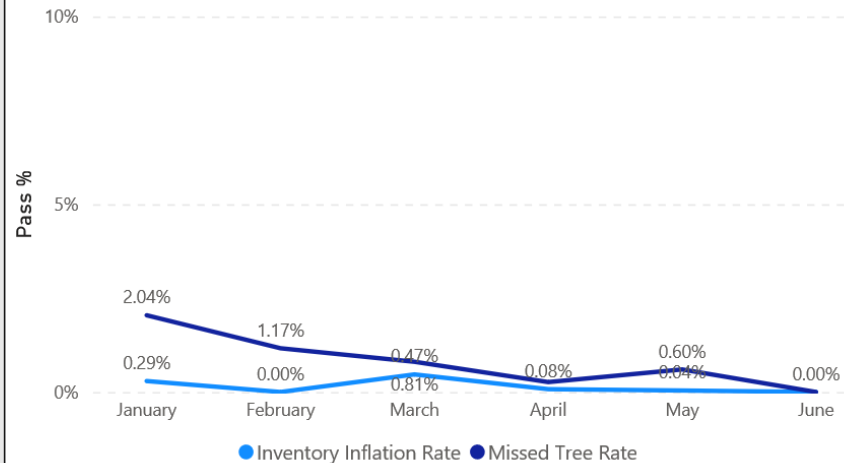
Overall CCD Pass %

98.42%

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd

15466

Missed Rate

0.68%

Inflation Rate

0.20%

Work Type Accuracy

96.95%

Species ID

99.57%

- 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 |
|---|-----------------|-----------------|------------------|------------|-----------------|------------------|
| + | Antelope Valley | 2404            | 3                | 99.88%     | 166             | 6.91%            |
| + | Thousand Oaks   | 3693            | 18               | 99.51%     | 80              | 2.17%            |
| + | Valencia        | 987             | 15               | 98.48%     | 77              | 7.80%            |

## Inspection Contractor Performance

Distribution

Transmission

ACRT

CNUC

Davey

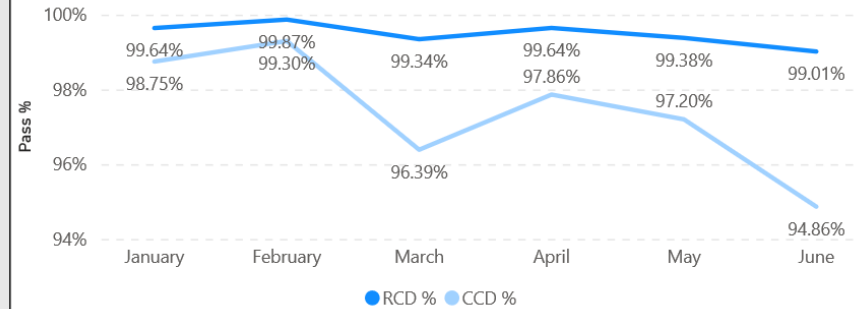
UPE

Total Trees Last Touched  
**11216**

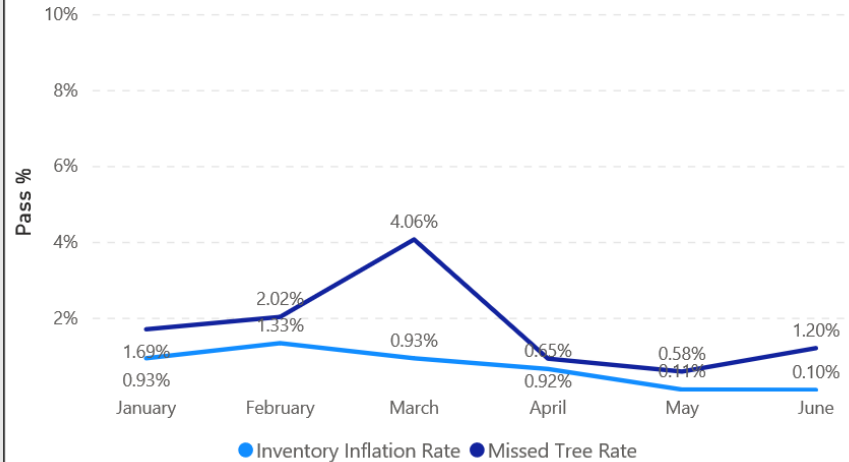
Overall RCD Pass %  
**99.42%**

Overall CCD Pass %  
**97.07%**

### Clearance Pass % by Month



### Inspection Accuracy Rates by Month



Total Trees QC'd  
**25960**

Missed Rate  
**1.83%**

Inflation Rate  
**0.69%**

Work Type Accuracy  
**99.43%**

Species ID  
**98.42%**

- 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