

# VM Program Overview

November 9, 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         | 5238   | 486.75     | 64.3      | 3572.8 | 4063   | 490.2      | 66.4      | 1178.1   | 1142   | 36.0       | 56.5      |
| August    | 5430.00         | 6438   | 1008.0     | 79.0      | 4083.2 | 4672   | 588.8      | 76.2      | 1346.4   | 1731   | 384.6      | 85.7      |
| September | 6108.75         | 7308   | 1199.25    | 89.7      | 4593.6 | 5303   | 709.4      | 86.6      | 1514.7   | 2005   | 490.3      | 99.3      |
| October   | 6787.50         | 7869   | 1081.50    | 96.6      | 5104.0 | 5712   | 608.0      | 93.2      | 1683.0   | 2157   | 474.0      | 106.8     |
| 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     |        |           |         |       |
|--|--------|-----------|---------|-------|
|  | August | September | October | YTD   |
| T & D                                      | 99.27  | 99.02     | 99.09   | 99.21 |
| Transmission                               | 99.83  | 92.08     | 99.11   | 98.17 |
| Distribution                               | 99.23  | 99.30     | 99.09   | 99.26 |
| RCD CONFORMANCE % – PRUNING CONTRACTORS    |        |           |         |       |
| T & D                                      | 99.22  | 98.91     | 99.12   | 99.14 |
| Transmission                               | 99.66  | 87.64     | 99.09   | 97.07 |
| Distribution                               | 99.20  | 99.31     | 99.12   | 99.23 |
| RCD CONFORMANCE % – INSPECTION CONTRACTORS |        |           |         |       |
| T & D                                      | 99.42  | 99.41     | 99.23   | 99.47 |
| Transmission                               | 99.90  | 98.87     | 99.17   | 99.52 |
| Distribution                               | 99.35  | 99.43     | 99.24   | 99.47 |

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

| CCD CONFORMANCE % – OVERALL VM PROGRAM     |        |           |         |       |
|--|--------|-----------|---------|-------|
|  | August | September | October | YTD   |
| T & D                                      | 96.72  | 96.90     | 95.39   | 96.27 |
| Transmission                               | 99.46  | 88.82     | 95.66   | 95.78 |
| Distribution                               | 96.50  | 97.23     | 95.37   | 96.30 |
| CCD CONFORMANCE % – PRUNING CONTRACTORS    |        |           |         |       |
| T & D                                      | 97.68  | 98.13     | 97.64   | 96.85 |
| Transmission                               | 99.66  | 87.42     | 97.50   | 93.74 |
| Distribution                               | 97.59  | 98.51     | 97.64   | 96.99 |
| CCD CONFORMANCE % – INSPECTION CONTRACTORS |        |           |         |       |
| T & D                                      | 97.45  | 97.68     | 95.65   | 97.51 |
| Transmission                               | 99.90  | 96.98     | 94.21   | 98.91 |
| Distribution                               | 97.12  | 97.71     | 95.76   | 97.42 |

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

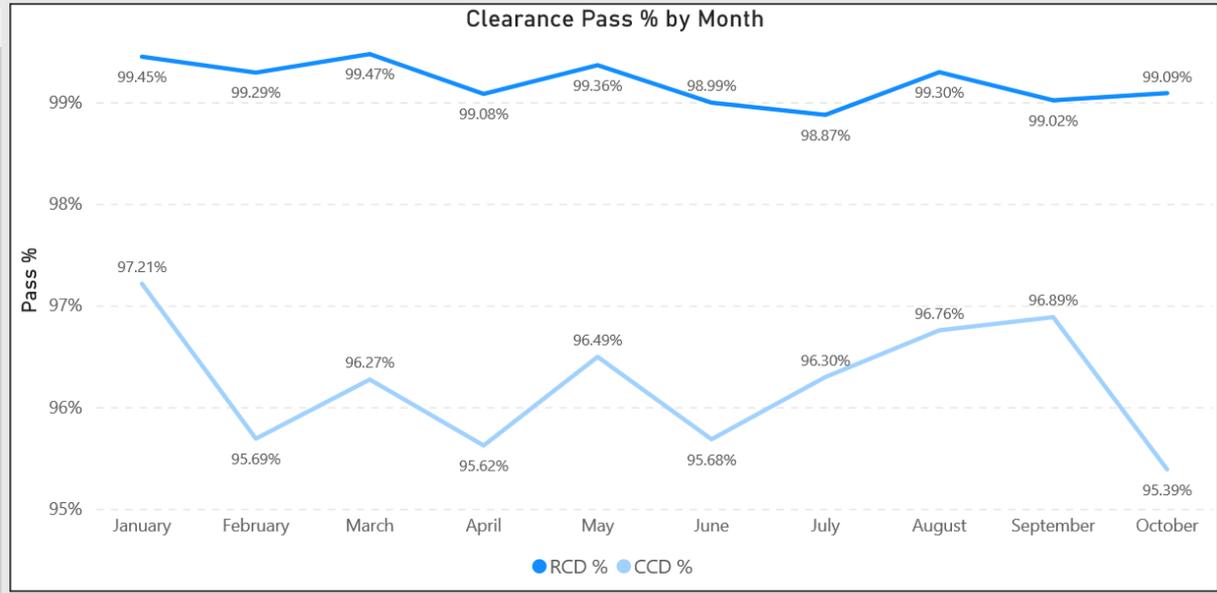
# YTD VM Performance – Transmission & Distribution

VM Lead: Bill

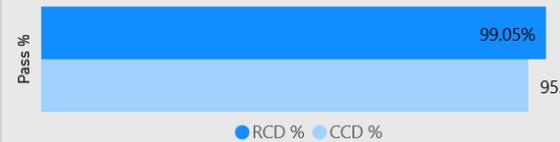
## Pass % by District

| District         | Trees Inspected | RCD Pass % | CCD Pass % |
|------------------|-----------------|------------|------------|
| Fullerton        | 2017            | 100.00%    | 99.31%     |
| Ridgecrest       | 144             | 100.00%    | 100.00%    |
| San Joaquin      | 5134            | 99.98%     | 99.69%     |
| Wildomar         | 13877           | 99.98%     | 99.47%     |
| Tehachapi        | 4460            | 99.91%     | 99.64%     |
| 29-Palms         | 2113            | 99.91%     | 99.01%     |
| Big Creek        | 1047            | 99.90%     | 99.43%     |
| Huntington Beach | 1767            | 99.89%     | 99.21%     |
| Bishop/Mammoth   | 6492            | 99.83%     | 99.28%     |
| Whittier         | 6419            | 99.83%     | 98.46%     |
| Ontario          | 9464            | 99.82%     | 98.72%     |
| Menifee          | 19686           | 99.78%     | 98.71%     |
| Palm Springs     | 2155            | 99.72%     | 98.79%     |
| Santa Monica     | 4958            | 99.66%     | 98.06%     |
| Santa Ana        | 1373            | 99.64%     | 98.91%     |
| Kernville        | 9590            | 99.64%     | 96.68%     |
| Covina           | 19021           | 99.55%     | 98.12%     |
| Compton          | 2485            | 99.52%     | 98.55%     |
| Ventura          | 20701           | 99.32%     | 96.56%     |
| Antelope Valley  | 9439            | 99.26%     | 95.51%     |
| Arrowhead        | 30223           | 99.02%     | 94.62%     |
| Victorville      | 4898            | 99.00%     | 93.39%     |
| Thousand Oaks    | 24165           | 98.98%     | 95.91%     |
| South Bay        | 10883           | 98.95%     | 94.63%     |
| Long Beach       | 3082            | 98.80%     | 92.76%     |
| Monrovia         | 19287           | 98.64%     | 92.89%     |
| Foothill         | 3866            | 98.42%     | 95.40%     |
| Catalina         | 375             | 98.40%     | 95.73%     |
| Redlands         | 7653            | 98.11%     | 92.57%     |
| Valencia         | 9033            | 97.99%     | 92.76%     |

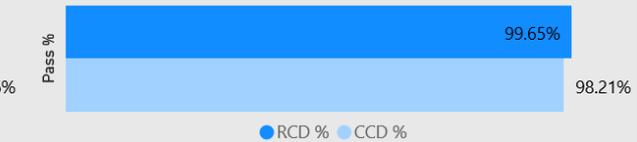
## Distribution | Transmission



## HFRA Clearance Pass %



## Non HFRA Clearance Pass %



Total Trees Inspected  
**273969**

Overall RCD Pass %  
**99.21%**

Overall CCD Pass %  
**96.27%**

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                                 |     | D | Compliance Zone                                 |          |
|---|---|-----|---|---|----------|
|   | HFRA  |     |   | HFRA  | Non-HFRA |
|   | RCD = Regulation Clearance Distance             | 10' |   | RCD = Regulation Clearance Distance             | 4'       |
|   | CCD = Compliance Clearance Distance (RCD x 1.5) | 15' |   | CCD = Compliance Clearance Distance (RCD x 1.5) | 6'       |
|   |   |     |   |   | 18"      |
|   |   |     |   |   | 3'       |

# YTD VM Performance – Transmission

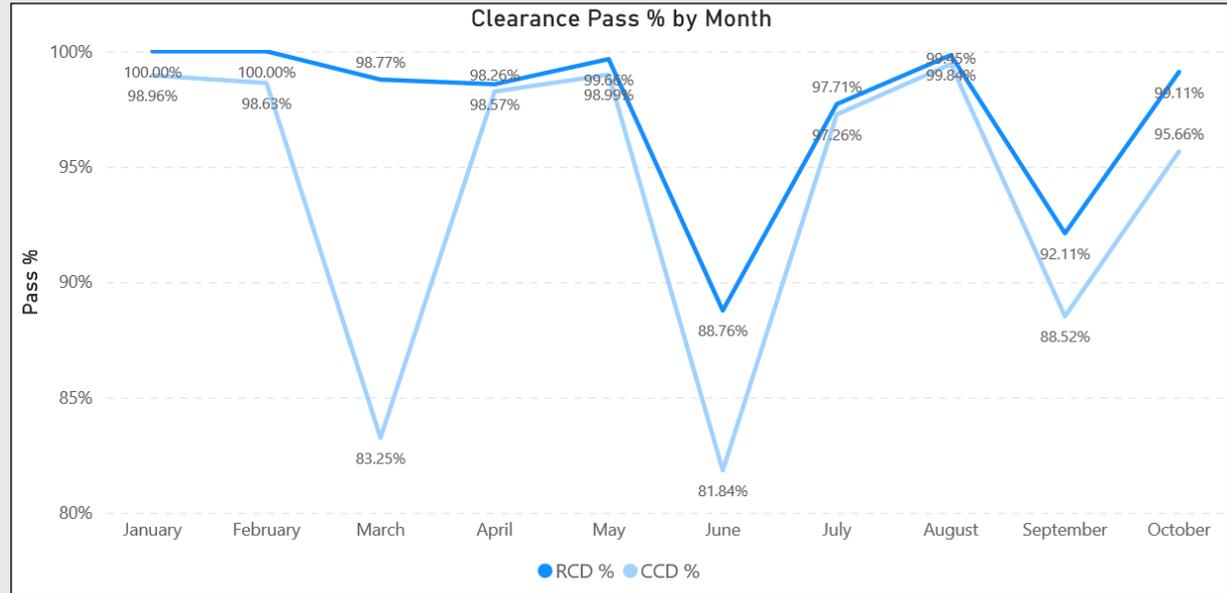
VM Lead: Bill

## Pass % by District

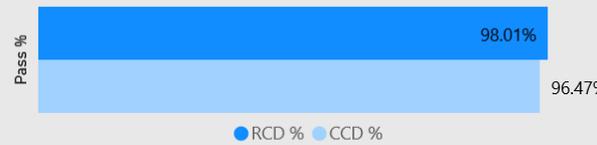
| District        | Trees Inspected | RCD Pass % | CCD Pass % |
|-----------------|-----------------|------------|------------|
| Antelope Valley | 2328            | 100.00%    | 99.36%     |
| Covina          | 173             | 100.00%    | 100.00%    |
| Menifee         | 134             | 100.00%    | 100.00%    |
| San Joaquin     | 1627            | 100.00%    | 100.00%    |
| Santa Barbara   | 618             | 100.00%    | 100.00%    |
| Tehachapi       | 133             | 100.00%    | 100.00%    |
| Ventura         | 240             | 100.00%    | 100.00%    |
| Whittier        | 145             | 100.00%    | 100.00%    |
| Ontario         | 1019            | 99.90%     | 99.80%     |
| Valencia        | 678             | 99.71%     | 98.38%     |
| Redlands        | 464             | 98.49%     | 90.52%     |
| Monrovia        | 1285            | 97.98%     | 96.89%     |
| South Bay       | 184             | 97.28%     | 91.30%     |
| Saddleback      | 727             | 95.05%     | 74.55%     |
| Thousand Oaks   | 711             | 87.90%     | 83.26%     |
| Montebello      | 441             | 84.58%     | 79.82%     |

Distribution

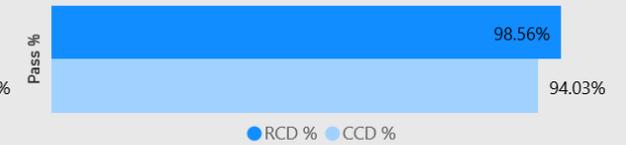
**Transmission**



### HFRA Clearance Pass %



### Non HFRA Clearance Pass %



Total Trees Inspected  
**12895**

Overall RCD Pass %  
**98.17%**

Overall CCD Pass %  
**95.78%**

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

AQL RCD = 100%  
AQL CCD = 95%

# YTD VM Performance – Distribution

### Pass % by District

| District         | Trees Inspected | RCD Pass % | CCD Pass % |
|------------------|-----------------|------------|------------|
| Fullerton        | 2017            | 100.00%    | 99.31%     |
| Ridgecrest       | 144             | 100.00%    | 100.00%    |
| Wildomar         | 13875           | 99.98%     | 99.47%     |
| San Joaquin      | 3507            | 99.97%     | 99.54%     |
| Tehachapi        | 4317            | 99.91%     | 99.63%     |
| 29-Palms         | 2113            | 99.91%     | 99.01%     |
| Big Creek        | 1047            | 99.90%     | 99.43%     |
| Huntington Beach | 1767            | 99.89%     | 99.21%     |
| Bishop/Mammoth   | 6492            | 99.83%     | 99.28%     |
| Whittier         | 6274            | 99.82%     | 98.42%     |
| Ontario          | 8443            | 99.81%     | 98.59%     |
| Menifee          | 19532           | 99.78%     | 98.71%     |
| Palm Springs     | 2155            | 99.72%     | 98.79%     |
| Santa Monica     | 4958            | 99.66%     | 98.06%     |
| Santa Ana        | 1373            | 99.64%     | 98.91%     |
| Kernville        | 9590            | 99.64%     | 96.68%     |
| Covina           | 18848           | 99.54%     | 98.11%     |
| Compton          | 2485            | 99.52%     | 98.55%     |
| Montebello       | 2338            | 99.49%     | 96.96%     |
| Saddleback       | 1242            | 99.44%     | 97.10%     |
| Thousand Oaks    | 23454           | 99.32%     | 96.29%     |
| Ventura          | 20461           | 99.32%     | 96.52%     |
| Arrowhead        | 30223           | 99.02%     | 94.62%     |
| Antelope Valley  | 7111            | 99.02%     | 94.25%     |
| Victorville      | 4898            | 99.00%     | 93.39%     |
| South Bay        | 10667           | 98.98%     | 94.72%     |
| Long Beach       | 3082            | 98.80%     | 92.76%     |
| Monrovia         | 17980           | 98.69%     | 92.60%     |
| Foothill         | 3866            | 98.42%     | 95.40%     |
| Catalina         | 375             | 98.40%     | 95.73%     |

Distribution
Transmission

### Clearance Pass % by Month

| Month     | RCD %  | CCD %  |
|-----------|--------|--------|
| January   | 99.41% | 97.09% |
| February  | 99.28% | 95.64% |
| March     | 99.50% | 96.74% |
| April     | 99.12% | 95.44% |
| May       | 99.36% | 96.47% |
| June      | 99.26% | 96.02% |
| July      | 99.00% | 96.20% |
| August    | 99.25% | 96.53% |
| September | 99.29% | 97.22% |
| October   | 99.09% | 95.37% |

#### HFRA Clearance Pass %

RCD %: 99.10%  
CCD %: 95.51%

#### Non HFRA Clearance Pass %

RCD %: 99.71%  
CCD %: 98.43%

**Total Trees Inspected**  
  
260999

**Overall RCD Pass %**  
  
99.26%

**Overall CCD Pass %**  
  
96.30%

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'       |

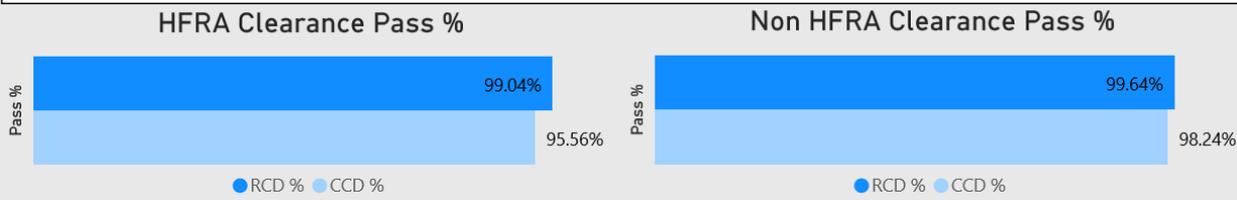
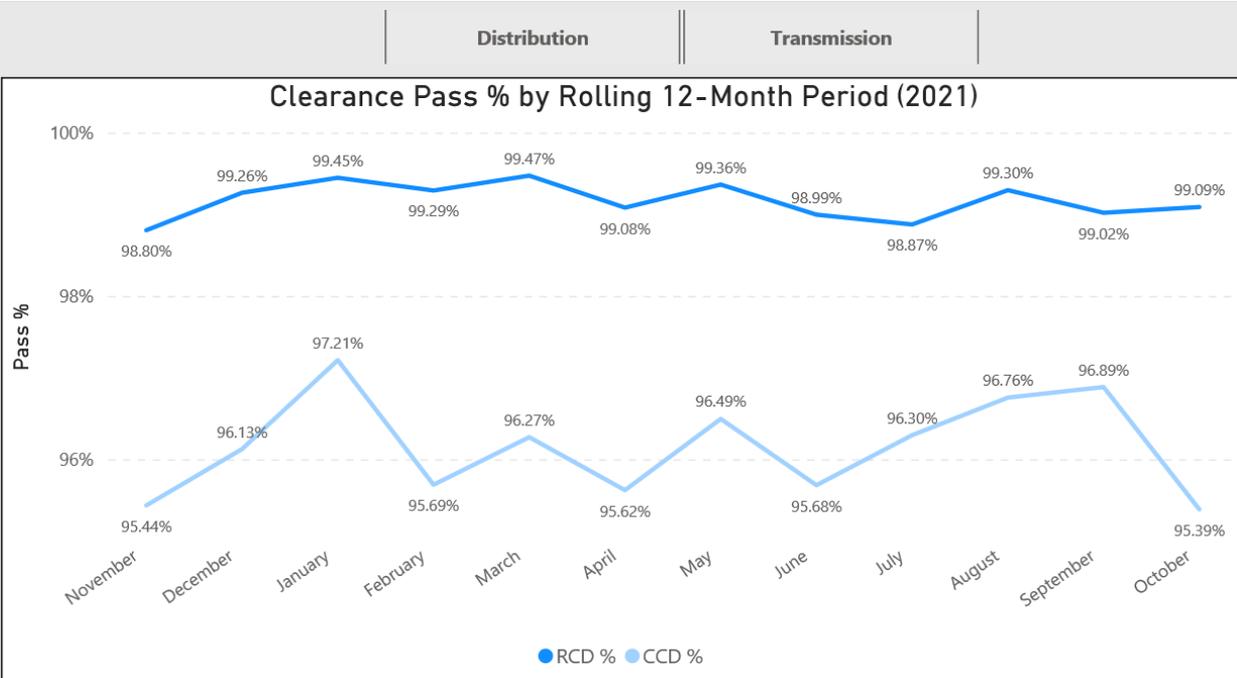
AQL RCD = 100%  
AQL CCD = 95%

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

VM Lead: Bill

### Pass % by District

| District         | Trees Inspected | RCD Pass % | CCD Pass % |
|------------------|-----------------|------------|------------|
| Fullerton        | 2017            | 100.00%    | 99.31%     |
| Ridgecrest       | 144             | 100.00%    | 100.00%    |
| Wildomar         | 17511           | 99.97%     | 99.44%     |
| Tehachapi        | 8652            | 99.91%     | 99.20%     |
| Huntington Beach | 1767            | 99.89%     | 99.21%     |
| Whittier         | 7056            | 99.84%     | 98.55%     |
| Bishop/Mammoth   | 6492            | 99.83%     | 99.28%     |
| Ontario          | 9713            | 99.82%     | 98.75%     |
| Big Creek        | 1433            | 99.79%     | 99.37%     |
| 29-Palms         | 2262            | 99.73%     | 98.01%     |
| Palm Springs     | 3236            | 99.66%     | 98.33%     |
| Santa Monica     | 4958            | 99.66%     | 98.06%     |
| Covina           | 20363           | 99.56%     | 98.17%     |
| Compton          | 2485            | 99.52%     | 98.55%     |
| Santa Ana        | 1769            | 99.49%     | 97.68%     |
| Kernville        | 12720           | 99.48%     | 96.47%     |
| Antelope Valley  | 13948           | 99.28%     | 95.70%     |
| Menifee          | 32971           | 99.28%     | 96.90%     |
| Ventura          | 25593           | 99.25%     | 96.27%     |
| Thousand Oaks    | 28308           | 99.08%     | 96.22%     |
| Arrowhead        | 42564           | 99.07%     | 94.46%     |
| Victorville      | 5004            | 99.02%     | 93.51%     |
| Long Beach       | 3082            | 98.80%     | 92.76%     |
| Redlands         | 12995           | 98.78%     | 94.86%     |
| South Bay        | 13168           | 98.68%     | 94.35%     |
| Monrovia         | 20260           | 98.65%     | 93.00%     |
| San Joaquin      | 6701            | 98.51%     | 97.75%     |
| Foothill         | 3866            | 98.42%     | 95.40%     |
| Catalina         | 375             | 98.40%     | 95.73%     |
| Valencia         | 12905           | 98.36%     | 93.65%     |
| Saddleback       | 2086            | 97.94%     | 89.17%     |



Total Trees Inspected

## 344656

Overall RCD Pass %

## 99.17%

Overall CCD Pass %

## 96.17%

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

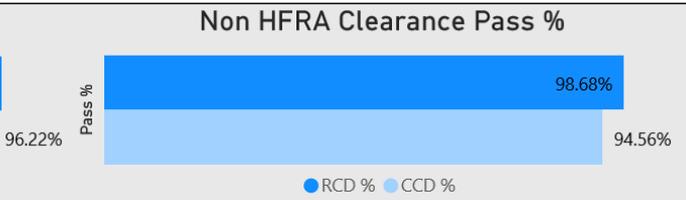
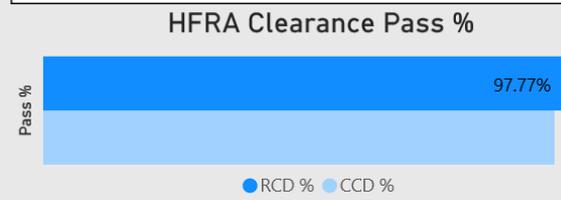
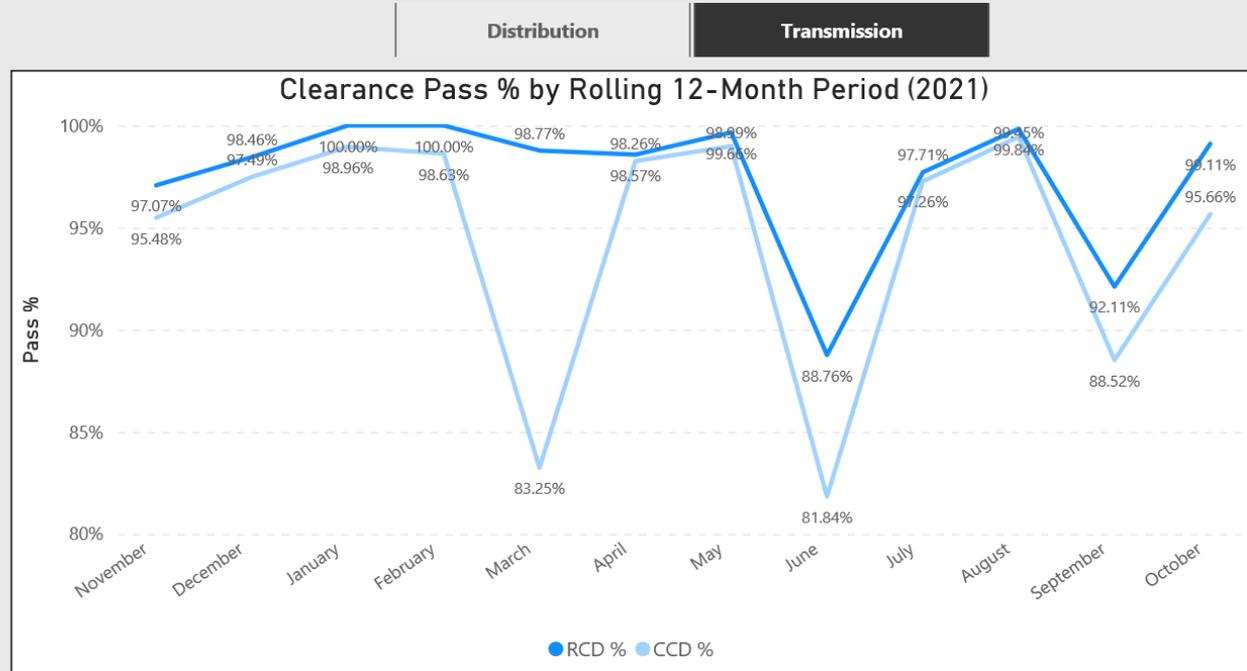
| T | Compliance Zone                                 | HFRA                                | D | Compliance Zone                                 | HFRA | Non-HFRA                            |
|---|---|-------------------------------------|---|---|------|-------------------------------------|
|   |   | RCD = Regulation Clearance Distance |   | 10'   |      | RCD = Regulation Clearance Distance |
|   | 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 % |
|-----------------|-----------------|------------|------------|
| Antelope Valley | 3148            | 100.00%    | 99.33%     |
| Covina          | 440             | 100.00%    | 100.00%    |
| Menifee         | 134             | 100.00%    | 100.00%    |
| Santa Barbara   | 621             | 100.00%    | 100.00%    |
| Tehachapi       | 133             | 100.00%    | 100.00%    |
| Ventura         | 240             | 100.00%    | 100.00%    |
| Whittier        | 145             | 100.00%    | 100.00%    |
| Ontario         | 1256            | 99.92%     | 99.84%     |
| Valencia        | 1427            | 99.51%     | 97.90%     |
| Redlands        | 464             | 98.49%     | 90.52%     |
| Monrovia        | 1489            | 98.19%     | 97.04%     |
| South Bay       | 184             | 97.28%     | 91.30%     |
| San Joaquin     | 2603            | 96.20%     | 94.93%     |
| Saddleback      | 727             | 95.05%     | 74.55%     |
| Thousand Oaks   | 931             | 90.76%     | 87.22%     |
| Montebello      | 441             | 84.58%     | 79.82%     |



**Total Trees Inspected**  
**17196**

**Overall RCD Pass %**  
**97.98%**

**Overall CCD Pass %**  
**95.83%**

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

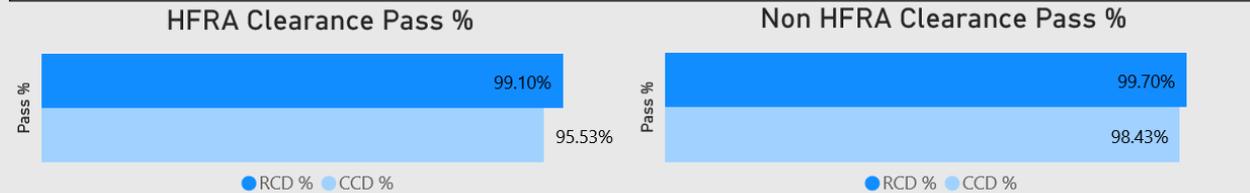
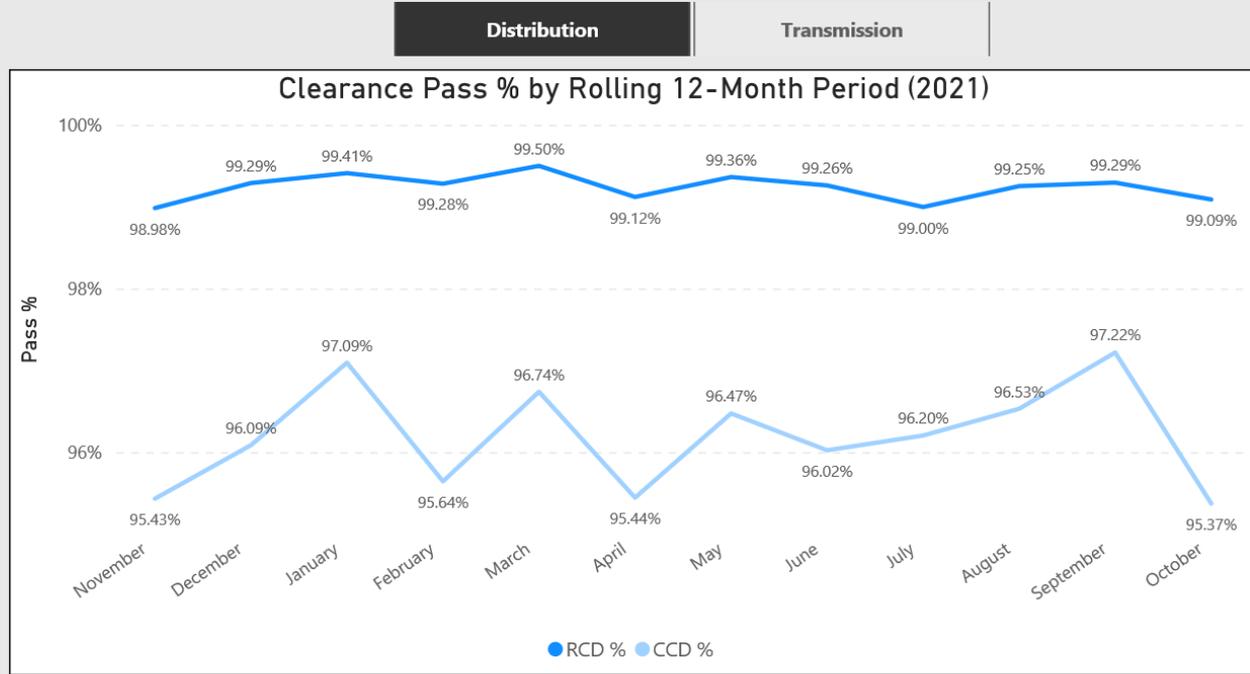
| T | Compliance Zone                                 |     | D | Compliance Zone                                 |          |
|---|---|-----|---|---|----------|
|   | HFRA  |     |   | HFRA  | Non-HFRA |
|   | RCD = Regulation Clearance Distance             | 10' |   | RCD = Regulation Clearance Distance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

# VM Performance – Distribution (Rolling 12 months)

VM Lead: Bill

### Pass % by District

| District         | Trees Inspected | RCD Pass % | CCD Pass % |
|------------------|-----------------|------------|------------|
| Fullerton        | 2017            | 100.00%    | 99.31%     |
| Ridgecrest       | 144             | 100.00%    | 100.00%    |
| San Joaquin      | 4098            | 99.98%     | 99.54%     |
| Wildomar         | 17509           | 99.97%     | 99.44%     |
| Tehachapi        | 8509            | 99.91%     | 99.19%     |
| Huntington Beach | 1767            | 99.89%     | 99.21%     |
| Whittier         | 6911            | 99.84%     | 98.52%     |
| Bishop/Mammoth   | 6492            | 99.83%     | 99.28%     |
| Ontario          | 8443            | 99.81%     | 98.59%     |
| Big Creek        | 1433            | 99.79%     | 99.37%     |
| 29-Palms         | 2262            | 99.73%     | 98.01%     |
| Palm Springs     | 3236            | 99.66%     | 98.33%     |
| Santa Monica     | 4958            | 99.66%     | 98.06%     |
| Covina           | 19909           | 99.55%     | 98.13%     |
| Compton          | 2485            | 99.52%     | 98.55%     |
| Santa Ana        | 1769            | 99.49%     | 97.68%     |
| Montebello       | 2338            | 99.49%     | 96.96%     |
| Saddleback       | 1359            | 99.48%     | 96.98%     |
| Kernville        | 12720           | 99.48%     | 96.47%     |
| Thousand Oaks    | 27352           | 99.36%     | 96.53%     |
| Menifee          | 32817           | 99.28%     | 96.89%     |
| Ventura          | 25353           | 99.24%     | 96.24%     |
| Arrowhead        | 42564           | 99.07%     | 94.46%     |
| Antelope Valley  | 10800           | 99.07%     | 94.64%     |
| Victorville      | 5004            | 99.02%     | 93.51%     |
| Long Beach       | 3082            | 98.80%     | 92.76%     |
| Redlands         | 12530           | 98.79%     | 95.02%     |
| South Bay        | 12849           | 98.68%     | 94.37%     |
| Monrovia         | 18741           | 98.68%     | 92.66%     |
| Foothill         | 3866            | 98.42%     | 95.40%     |
| Catalina         | 375             | 98.40%     | 95.73%     |



|                       |                    |                    |
|-----------------------|--------------------|--------------------|
| Total Trees Inspected | Overall RCD Pass % | Overall CCD Pass % |
| <b>327385</b>         | <b>99.24%</b>      | <b>96.19%</b>      |

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 |
|   | 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

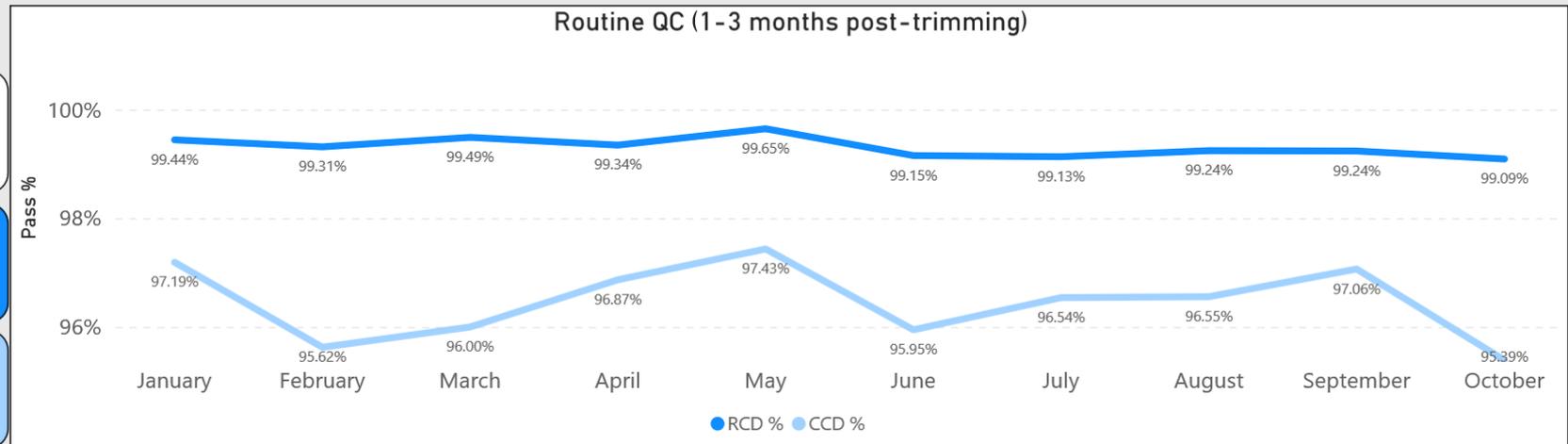
Distribution Transmission Fire Risk Area Tree Contractor Inspection Contractor

All All All

Total Trees Inspected  
**232097**

Overall RCD Pass %  
**99.32%**

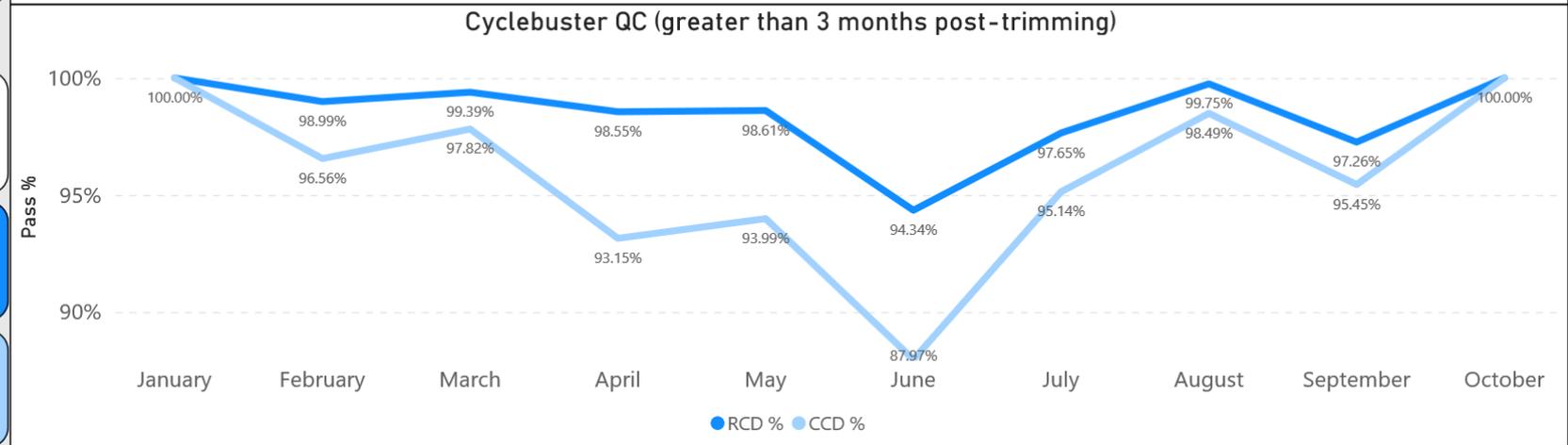
Overall CCD Pass %  
**96.48%**



Total Trees Inspected  
**37084**

Overall RCD Pass %  
**98.54%**

Overall CCD Pass %  
**94.93%**



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

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

Other

# ASD – Audit Observations (Except FAC-003-4 R6)

VM Lead: Bill

| Audit Name      | Observation Title | VM Actions  | Due Date   |
|-----------------|-------------------|---|------------|
| CEMA Creek Fire | Observation # 1   | VM management will work with Supply Management to explore opportunities to negotiate reduced rates for stand-by hours used in emergency operations for all its contractors. Contingent on successful negotiations, VM anticipates the negotiated rates can be used in 2022 and beyond as there is insufficient time to negotiate rates and make them effective for the remainder of 2021  | 11/12/2021 |
|                 |                   | 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.  | 11/12/2021 |
|                 | Observation # 2   | To further enhance the invoice review and approval process, VM will explore additional opportunities for the review of T&E invoices and implement recommended changes once improvement opportunities are identified. Additionally, 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.  | 11/12/2021 |
| Temecula Audit  | Observation # 4   | Evaluate potential enhanced oversight for the invoicing process for add-ons and scope changes. 1. Enhance the existing invoice review process for scope changes. 2. Develop an escalation process with VM Operations to address large discrepancies. 3. Review the invoiced quantity for accuracy (Remove 10% threshold)  | 11/19/2021 |
|                 | Observation # 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   | 12/15/2021 |
|                 | Observation # 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.   | 12/15/2021 |
| Safety Audit    | Observation # 1   | VM will work with Contractor Safety to develop a SSP Safety Observation Training, including how to use the COAs during safety observations and provide adequate comments in the Safety Observation application to increase the quality and value of the observation, with reference to COAs when relevant.  | 1/28/2022  |
|                 | Observation # 3   | VM will work with Contractor Safety to review each tree crew Contractors tailboard form for adequate space to list work activities and associated hazard mitigations.   | 1/28/2022  |
| Field Audit     | Observation # 1   | Develop a roles and responsibilities document for SSPs  | 12/15/2021 |
|                 |                   | Provide “Environmental Observation Training” training for VM SSPs/SPs   | 12/31/2021 |
|                 |                   | Update UVM-19, “Targeted Environmental Mitigations”   | 3/25/2022  |
|                 |                   | Provide revised annual environmental training to all tree trimming contractors’ “trainers”  | 3/25/2022  |
| Field Audit     | Observation # 2   | VM and ESD work with IT and internal VM resources to determine system enhancements needed for Survey 123 and Fulcrum, to provide the visibility to field crews regarding the status of conditional approvals and respective constructional constraint.<br>(1) Determination and feasibility of system enhancements will be completed by 11/15/21<br>(2) Target system enhancement implementation contingent on IT system engineering support/availability. 12/31/21<br>(3) 12/31/21 date cannot be achieved due to IT constraints VM will request completion no later than 3/25/22.<br>Enhance Survey 123 to include a mandatory drop down field to require tree species be documented. 12/31/21. | 3/25/2022  |
| Field Audit     | Observation # 3   | Inspection and Mitigation of aging P2s using monthly<br>VM will evaluate how to implement a sustainable targeted inspection process for P2s that are older than 30 days<br>VM will evaluate the threshold/resources/financial control needed to implement a sustainable process by 12/31/21 with resulting measures implemented by 3/25/22  | 3/25/2022  |
| Field Audit     | Observation # 4   | Develop an SSP/SP roles and responsibilities document   | 12/15/2021 |
|                 |                   | Develop a VM approved staffing model by   | 3/25/2022  |

Items in orange are due November/December 2021