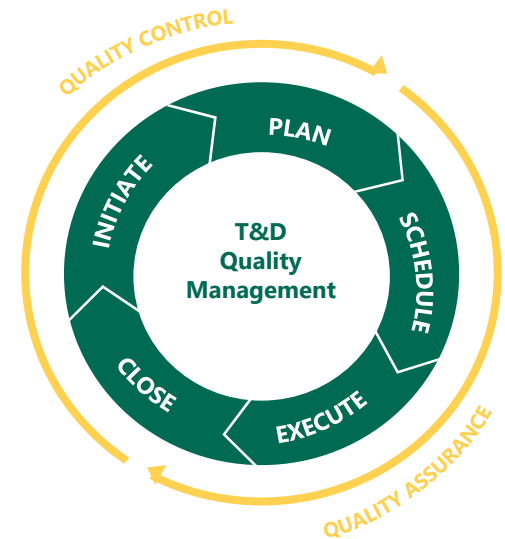


T&D SLT QA/QC Report Out

April 2020



Energy for What's AheadSM



Preliminary QC Results – YTD March 2020

Programs	Structures Inspected		P1		P2		P3- Observational		Actionable Findings	
	YTD Plan	YTD Actual	Count	CR%	Count	CR%	Count	CR	Open Count	Overdue Count
ODI Redesign	1,870	1,888	2	99.9%	44	97.7%	75	96.0%	46	0
Distribution Construction *	1,634	1,634	2	99.9%	318	80.5%	704	56.9%	289	0
Transmission Construction *	256	277	0	100.0%	15	94.9%	46	83.4%	11	0
Distribution Planning Pilot (Q4 2019) *	500	504	0	100.0%	57	88.7%	386	23.4%	57	0
Aerial Inspections Pilot *	500	532	0	100.0%	14	97.4%	0	100.0%	14	0
IPI (started 4/1)										
PLP (started 4/1)										
Transmission Inspections (start June)										
UDI (starting Q4)										
Steel Stub (start TBD)										

* Preliminary results, pending calibration with ERM, T&D, and Engineering to determine proper range of what is a P1, P2, and P3/Observational item.

Definitions:

P1 – An immediate risk of high potential impact to safety or reliability

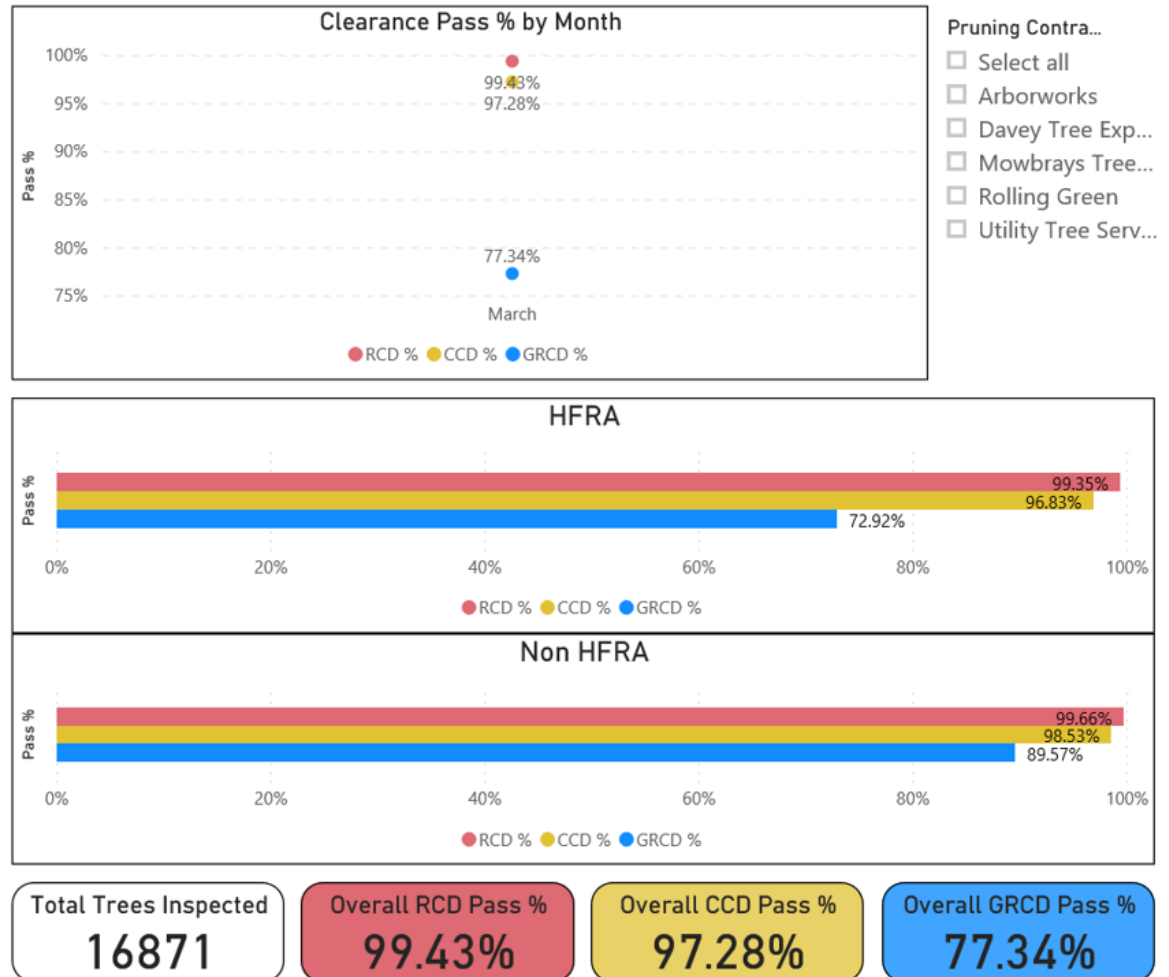
P2 – Any other risk of at least moderate potential impact to safety or reliability

P3/Observational – Any risk of low potential impact to safety or reliability, or deviation from internal standards (e.g. no pole tag at top of pole)

Actionable Findings – Any actionable findings pending action/resolution, considered overdue after 90 days

Vegetation Line Clearing Performance – Distribution (March)

Pass % by District				
District	Trees	RCD Pass %	CCD Pass %	GRCD Pass %
Foothill	925	100.00 %	98.59 %	81.41 %
Fullerton	3	100.00 %	100.00 %	66.67 %
Ontario	1	100.00 %	100.00 %	100.00 %
Santa Ana	1	100.00 %	100.00 %	100.00 %
Thousand Oaks	10	100.00 %	100.00 %	100.00 %
Tehachapi	729	99.86 %	97.26 %	73.80 %
San Joaquin	1285	99.77 %	99.53 %	95.49 %
Ventura	2782	99.68 %	97.99 %	80.59 %
Menifee	1463	99.66 %	98.22 %	76.49 %
Kernville	1273	99.53 %	96.31 %	74.47 %
Huntington Beach	729	99.45 %	96.84 %	79.42 %
Antelope Valley	323	99.38 %	95.98 %	49.85 %
Valencia	145	99.31 %	95.17 %	61.38 %
Wildomar	3560	99.27 %	97.47 %	80.59 %
Arrowhead	2950	99.25 %	96.37 %	68.14 %
Santa Monica	602	97.67 %	92.52 %	74.75 %
Saddleback	90	96.67 %	93.33 %	54.44 %
Total	16871	99.43 %	97.28 %	77.34 %



Note: QC inspection is performed on a “circuit mileage” basis and all vegetation within the inspected circuit mile is assessed for compliance to UVM Program requirements. “Judgmental” sampling is performed to select circuit mileage with known vegetation

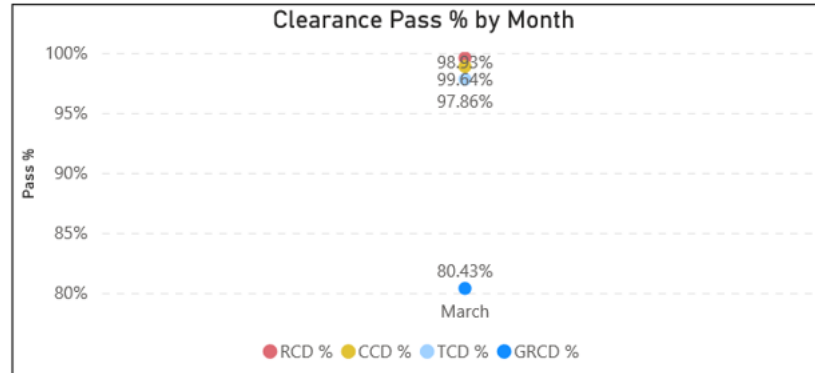
	Compliance Zone	HFRA	Non-HFRA
D	RCD	4'	18"
	CCD	6'	3'
	TCD	9'	N/A
	GRCD	12'	6'

RCD = Regulation Clearance Distance
 CCD = Compliance Clearance Distance (RCD x 1.5)
 TCD = Trigger Clearance Distance (CCD + 3')
 GRCD = Grid Resiliency Clearance Distance

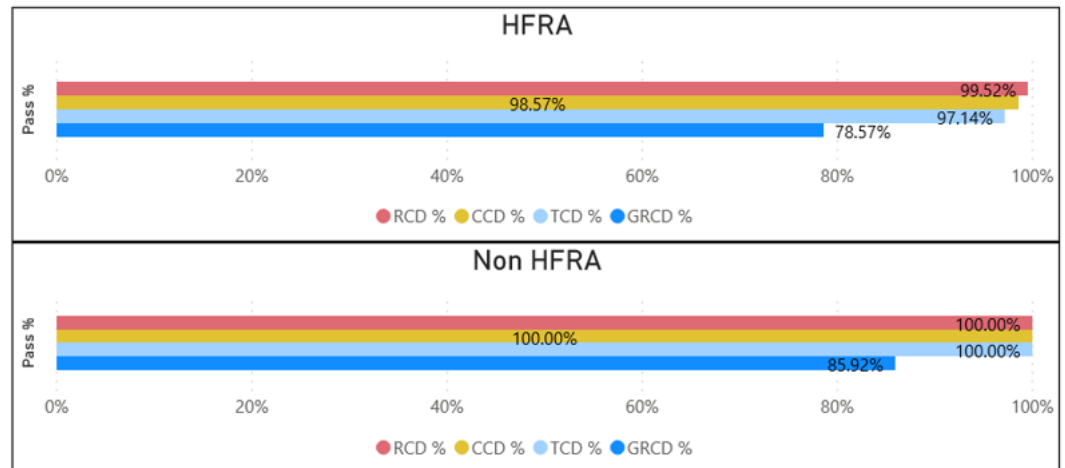
March data reflects work completed in 2020 only.
 Vegetation QC migrated to Survey123 in March

Vegetation Line Clearing Performance – Transmission (March)

District	Trees	Pass % by District			
		RCD Pass %	CCD Pass %	TCD Pass %	GRCD Pass %
Foothill	19	100.00 %	100.00 %	100.00 %	100.00 %
Fullerton	90	100.00 %	100.00 %	100.00 %	82.22 %
Monrovia	5	100.00 %	100.00 %	100.00 %	60.00 %
Ontario	55	100.00 %	100.00 %	100.00 %	89.09 %
Santa Ana	18	100.00 %	100.00 %	100.00 %	100.00 %
Valencia	11	100.00 %	100.00 %	100.00 %	90.91 %
Ventura	1	100.00 %	100.00 %	100.00 %	100.00 %
Thousand Oaks	82	98.78 %	96.34 %	92.68 %	63.41 %
Total	281	99.64 %	98.93 %	97.86 %	80.43 %



- Pruning Contra...
- ☐ Select all
 - ☐ Mowbrays Tree...
 - ☐ Rolling Green
 - ☐ Utility Tree Serv...



Total Trees Inspected
281

Overall RCD Pass %
99.64%

Overall CCD Pass %
98.93%

Overall TCD Pass %
97.86%

Overall GRCD Pass %
80.43%

Note: QC inspection is performed on a “circuit mileage” basis and all vegetation within the inspected circuit mile is assessed for compliance to UVM Program requirements. “Judgmental” sampling is performed to select circuit mileage with known vegetation

T	Compliance Zone	HFRA
	RCD	10'
	CCD	15'
	TCD	18'
	GRCD	30'

RCD = Regulation Clearance Distance
 CCD = Compliance Clearance Distance (RCD x 1.5)
 TCD = Trigger Clearance Distance (CCD + 3')
 GRCD = Grid Resiliency Clearance Distance

March data reflects work completed in 2020 only.
 Vegetation QC migrated to Survey123 in March

T&D Open Critical Action Items (as of 3/31/2020)

T&D - Open Action Items	Due 1-30 Days	Due 31-60 Days	Due 61-90 Days	Due 91-120 Days	Due >120	Grand Total
AMS&E	1	4	9	1	6	21
Maintenance Performance & Reliability		2				2
T&D Integrated System Planning		2			1	3
Design Engineering & Work Management			8			8
Asset & Engineering Strategy	1		1	1	4	7
T&D Integrated System Strategy					1	1
C&OS	6	3	5		1	15
Grid Contracts Origination & Operations	4	2	1			7
T&D Training			2			2
Compliance & Quality		1			1	2
Vegetation Management	1					1
Geomatics, Land, & Info Management	1		2			3
Distribution	1	10	1	1	1	14
Distribution NW Div		1		1		2
Distribution SE Div		5	1			6
Program Management		3				3
Central Field Services	1	1			1	3
TS&O	5	3	5		16	29
Grid Operations			3		11	14
Substation Const & Maint	5		1		3	9
Transmission		2	1		2	5
PSPS Operations		1				1
Grand Total	13	20	20	2	24	79

Open Action Items	Status
On Plan	56
AMS&E	17
C&OS	13
Distribution	8
TS&O	18
Not on Plan	13
AMS&E	4
C&OS	2
Distribution	3
TS&O	4
Ahead of Plan	10
Distribution	3
TS&O	7
Grand Total	79

Reporting Org - Open Action Items	Due 1-30 Days	Due 31-60 Days	Due 61-90 Days	Due 91-120 Days	Due >120	Grand Total
Audit Services Department (ASD)	9	11	6	1	6	33
Edison Safety		2	13	1	14	30
T&D Compliance & Quality	4	7	1		4	16
Grand Total	13	20	20	2	24	79