

# **T&D SLT QA/QC Report Out**

October 6, 2020



# **Quality Update – Highlights**

#### **Distribution Construction**

- Due to COVID reliactteidondstelaarycscn/ens@sosnttsotDriuscttriiobnutwioork order docu challenging
- Implementing a lotrerDniastteriabpuptriocosanopkeCofotnisotnrsuicntiOcctober
  - Will improve timeliness of inspection results
  - Focusing on GO 9a5blreulSeCsE asrtdanadpapelolisica(osialfety) &

### ODI data and insights

- For the past tehraelel molocitshosortehonwaton-wedrTohprpeeschobled of evel (98%) in area (top 2% of RE24%) in SJcuorree/Jourfly9u7/3strid 96.6% in Aug
- Our reporting isalbeeiwnofinhotoeleionfinoegnol, of DoiNsCtsriboyt, R Supervisor, an

#### Corrective Action / Preventive Action (CAPA) Program

- CAPA Programimplement<u>@AdPAinCcaluusdeinEqvatIhue</u>atNiEoWn portal page
- In collaboratiTornanswiftohrmahteioAnMaSDnErfoiucnecetoleatmhse, vivenclusion of Cau requests<u>T&iDntRoeqtuheest</u> Intake Form
  - This is central location where Naolnic oChafuosremaEnvcael uoartiSoingsnirfe be submittnejdur(yn/oitllfnoerssi events)

#### **Distribution Planning QC Program**

- Initial fineldingvist hve Pleane iving wStakeholders
- Additional engaodlearme ontst Dviist hritotneo, fRfweihneolrien mgasjowreirtey located (Not first exposuarme at nod tabsisso cpiraotgerd findings)

#### Transmission QC Inspections – Pilot

- The Pilot is complete with nee a or fly994.050% i(nesxpœecetolionnops at mole aTLQ0
- Next steps in belublaec Krion fair eipograp og andra annas, na og en on e nutling. Power Bl

### **Power BI Update**

- The filter is now in place for Contractors
- The BI Team has left the curroeunptliPocoawteerd Bilt Dotaismlebootalryd shot) in a Restricted spacea,s sdoestimraetd the filter can
- All metrics will reflect selections made in the filt

0												
<b>V</b>	Welcome to Power	BI Take a tour, and we'll show y	ou how to get around	l.								Start tour
T&D Data Visualization III	🖯 🛛 San Joa	aquin	0	(	) 0	0	0	0	0	0	NaN	0
2020 Quality Centrol Progra	Shaver	r Lake	0	(	) 0	0	0	0	0	0	NaN	0
Local daily childriftogram via	1	Tulare	0	(	0 0	0	0	0	0	0	NaN	0
All Programs	🛛 Feb	ruary 66	27	59.1%	) 4	28	32	1	1	25	62.1%	32
Program Details		Total 312	120	61.5%	2 13	126	141	36	33	76	75.6%	95
2020 Quality Control Progra  All Programs Program Details				This is the onl where the Co names can be to filter infor	y location ontractor selected mation.		Contract	or Nan ♡ ಔ		)	2	3
Quality Assurance Dashi bard $\vee$	Structure	QC Inspection Date	Region	District	Tier Leve	REAX+	Dan	ella		Remarks		Finding Ca
Lamp_Refresh	1049252E	1/23/2020 10:12 PM	Metro East	Monrovia	Т3	Medium	EPC	h Electric	ligh temperature omposite pole.	e pole hole plug	missing in	High Temp Plug
	1091985E	1/23/2020 9:57 PM	Metro East	Monrovia	T3	Medium	H&l	VI Line	rotective tubing hase jumper.	required on dis	connect center	Avian Protection Damaged/Missir
Make sure you're on the second '2020 Quality	1130522E	2/27/2020 12:00 AM	Metro East	Monrovia	Т3	Medium	U Hot	line source	automatic splic etween structur 130521E is climb	Primary Connect Type		
'Program Details'			Please	note that this porti access	ng area. If y u!							

## **YTD Performance Scoring – Distribution Construction**



Data as of August 31, 2020

## YTD Performance Scoring – Transmission Construction



Data as of August 31, 2020

## **September YTD VM Performance – Distribution**



	Compliance Zone	HFRA	Non-HFRA
	RCD = Regulation Clearance Distance	4'	18"
D	CCD = Compliance Clearance Distance (RCD x 1.5)	6'	3'
	TCD = Trigger Clearance Distance (CCD + 3')	9′	N/A
	GRCD = Grid Resiliency Clearance Distance	12'	6'

YTD data reflects work completed in 2020 only. This does not include any January/February report data

### **September YTD VM Performance – Transmission**

Pass % by District												
	District	Trees	RCD Pass	CCD Pass	GRCD Pass							
		Inspected	• %	%	%							
+	Bishop/Mammoth	1128	100.00 %	99.82 %	69.06 %							
+	Long Beach	188	100.00 %	100.00 %	94.15 %							
+	Palm Springs	169	100.00 %	99.41 %	91.12 %							
+	Whittier	138	100.00 %	100.00 %	98.55 %							
+	Ventura	582	99.83 %	99.48 %	70.27 %							
+	South Bay	560	99.82 %	99.82 %	69.46 %							
+	Thousand Oaks	750	99.73 %	98.93 %	92.13 %							
+	Kernville	348	99.71 %	99.71 %	99.14 %							
+	Ontario	854	99.41 %	98.83 %	65.22 %							
+	Santa Barbara	132	99.24 %	99.24 %	34.09 %							
+	Santa Ana	342	98.83 %	97.66 %	79.24 %							
+	Monrovia	1143	93.09 %	88.54 %	45.14 %							
+	Antelope Valley	743	90.17 %	82.50 %	49.66 %							
+	Saddleback	1154	86.92 %	80.94 %	54.25 %							
+	Valencia	415	78.07 %	72.29 %	66.02 %							
+	San Joaquin	534	73.60 %	65.73 %	48.31 %							





Non HFRA Clearance Pass %



	Compliance Zone	HFRA
	RCD = Regulation Clearance Distance	10'
Т	CCD = Compliance Clearance Distance (RCD x 1.5)	15'
	TCD = Trigger Clearance Distance (CCD + 3')	18'
	GRCD = Grid Resiliency Clearance Distance	30′

# **APPENDIX**



#### Power BI Dashboard - Link

Completed 73% of Planned Inspections YTD

27,016 Total Planned QC Inspections 19,645

#### Completed QC Inspections

7,371 Remaining QC Inspections

### QC Inspections by High Fire Tier Level

### **Program Performance – BI Dashboard YTD**

Header	QC Structures Inspected	P1			2	Ρ		Actionable Findings		
Program Name		Count	CR %	Count	CR %	Count	CR %	Open Count	Overdue Count	
Distribution Construction	2,917	5	99.8%	727	80.1%	1,170	70.9%	433	276	
Transmission Construction	476	0	100.0%	33	93.3%	5/	89.9%	23	12	
Aerial Distribution	586	0	100.0%	x	98.6%	0	100.0%	8	8	
ODI	15,220	4	100.0%		97.3%	509	97.0%	432	67	
Intrusive	448	0	100.0	3	99.3%	15	96.7%	1	0	

### **Other Programs - Not in BI Dashboard**



Header					2	Ρ		Actionable Findings		
Program Marra		Count	CR %	Count	CR %	Count	CR %	Open Count	Overdue Count	
) ansr ission Ins <sub>k</sub> actions	219	0	100.0%	1	99.5%	5	97.7%	1	0	
Planning	38	8	78.9%	8	78.9%	0	100.0%	16	0	
Pole Loading	600	0	100.0%	45	92.5%	0	100.0%	15	0	

			Y	D Q	C Resu	ılts	(Dis	t. Co	onstr	uction	)	Power B	Dashboar	<u>d - Link</u>		
2,917							59	80%								
Тс	tal Inspections			Pass	Total			N	lon-Conf	ormances		CRS	CR% Actionable Total			
Non-Cor	nformances by P	riority	Т	op 10 P1	& P2 Find	ing Ca	tegories	5		Top 10	P3 Findir	ng Categorie	es			
Priority 1	5			Primary Col	nnector Incorrea y Conductor Da	ct Type maged	6	92	192	Flat	Suji arei Vasi	Cole Tag Missing		288		
				Primary Ir	sulator Incorre	t Type	46			Com <sub>enc</sub> site	e crossarm Ir	ncorrect Location	2	15		
Priority 2E	17			Gu	iying Tee Not In	stalled	45			0	Guy Guar	rd Incorrect Type	78			
FHOILY 2L	17			Lightning /	Arrester Incorre	ct Type	39				High Te	mp Plug Missing	60			
				Service	e Conductor Da	maged	36		0		Pole	PTD Incomplete	18			
Priority 2	Priority 2 710		710 Secondary Connector				24			Commu	inications Tra	nsfer Incomplete	te 13			
				Down G	uy Excessive Sla	ck/Sag	20				Pole Tag N	lumber Incorrect	12			
Priority 3		11	70		Down Guy N	Aissi. g	10			Pole 1	Fag Missing F	rom Top Of Pole	9			
				Avian Protect	ion Damaged/N	/lis: ng	19				Circuit Map	Asset Correction	6			
	sample size is nossibl	1,000	r low CR% in "V	erv a h a		C perfo Avg. Co Avg. Co	rmance sc nformance nformance	e Rate in I e Rate in I e Rate in a	narily impac Rurals and M all other Reg	<b>ted by two Reg</b> letro East - <b>70.6</b> jions - <b>88.2%</b>	ions 5%		D	500		
								A	ctionable Find	lings		P3/O	bservational Ou	tcomes		
Program	Name - REAX Score	Total QC Inspection	Actionab.	.ctionable CR	Threshold Limit	Priority 1	Priority 2E	Priority 2	Actionable Findings	Open Findings (Past Due)	Past Due Findings	Observational NC	Observationa I CR	Observational Findings		
🗉 Dist	ribution Construction (Very High)		0													
	Very High	15	58 48	69.6 %	100.0 %	1	1	65	67	51	29	53	66.5 %	74		
	High	4	15 81	80.5 %	98.0 %	0	0	97	97	85	29	137	67.0 %	179		
	Medium	1,65	321	80.6 %	95.0 %	3	10	385	398	222	162	469	71.6 %	670		
	Low	2 91	72 141 17 591	79.0 %	95.0 %	5	6 17	710	732	/5 433	276	190 849	72.5 %	24/		
		2,5		70		,	.,	/10	, 52	-55	270		10.0 /0	1,170		

Energy for What's Ahead™

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				YTI	D Q	Power BI Dashboard - Link							
15K			15	K				41	5			97.3	%
Total Inspections			Pass T	otal			N	on-Confo	rmances		CR	% Actionab	le Total
Possible causes for low CR%: • Low scores from 2 Districts of • Working w/ODI leadership to take corrective action • Adding Inspector names to the Program Name - REAX Score	driving results to understand report for visil	drivers and bility	A ctionable	Threshold	Priority	Priority	A	ctionable Find Actionable	ings Open Findings	Past Due	P3/O Observational	bservational Out Observationa	tcomes Observational
•	inspections	NC	CK	Limit	1	ZE	2	Findings	(Past Due)	Findings	NC	TCR	Findings
ODI (High)													
Very High	7,1.9	215	97.1%	98.0 %	1	9	220	230	225	30	240	96.8 %	273
High	7,397	187	97.5 %	95.0 %	2	11	191	204	196	26	200	97.3 %	215
	322	13	100.0 %	95.0 %	0	1	12	14	0	11	10	95.0 %	19
	15,220	415	97.3 %	50.0 70	4	21	423	448	432	67	458	97.0 %	509

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