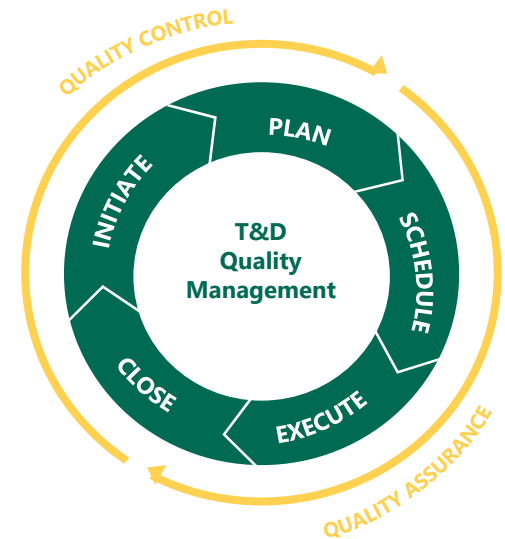


T&D SLT QA/QC Report Out

November 9, 2020



Energy for What's AheadSM



Quality Update – Highlights

Distribution Construction

- In October, an interim approach was implemented for Distribution Construction Inspections, completing 1,745 QC inspections with the following observations:
 - Overall performance remains essentially unchanged (+0.7% YTD)
 - "Primary Connector Incorrect Type" and "Secondary Conductor Damage" are no longer the top 2 findings
 - Findings have changed as 6 finding categories are no longer in the Top 10 Findings

ODI data and insights

- ODI results remain below the Threshold level (98%) in the "Very High" risk area (top 2% of REAX)
 - The results for the past three months are as follows: August 93.1%, September 91.9% and October 94.2%
- Our reporting is being modified to allow filtering of non-conformances by Region, District, Supervisor, and Inspector
 - This information has been provided to ODI management to assess individual performance
- Per the Tier 1 Metric criteria, an Action plan is needed to provide a "Pathway to Green"

Corrective Action / Preventative Action (CAPA) Program

- The following cause evaluations were completed under the new CAPA program:
 - Canceled Pole Replacement Notifications
 - Gatekeeper Delete/Reject E1P2 Notification

Distribution Planning QC Program

- 162 inspections were conducted in the month of September, with a conformance rate of 84.5%
- 400 inspections were completed in October (preliminary), and the forecast for November is 360 inspections

QC Results thru October 2020 (All Programs)

Program Performance – BI Dashboard YTD

[Power BI Dashboard - Link](#)

27,016

Total Planned QC Inspections

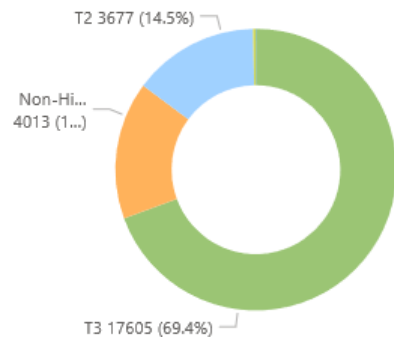
23,472

Completed QC Inspections

3,544

Remaining QC Inspections

QC Inspections by High Fire Tier Level



Header	QC Structures Inspected	P1		P2		P3		Actionable Findings	
Program Name		Count	CR %	Count	CR %	Count	CR %	Open Count	Overdue Count
Distribution Construction	4,968	5	99.9%	1,104	81.4%	1,661	75.4%	669	218
Transmission Construction	476	0	100.0%	33	93.9%	46	91.6%	23	20
Aerial Distribution	586	0	100.0%	8	98.6%	0	100.0%	8	8
ODI	16,761	4	100.0%	530	97.1%	544	97.0%	489	250
Intrusive	690	0	100.0%	3	99.6%	19	97.2%	1	0

Other Programs - Not in BI Dashboard

Header	QC Structures Inspected	P1		P2		P3		Actionable Findings	
Program Name		Count	CR %	Count	CR %	Count	CR %	Open Count	Overdue Count
Transmission Inspections	380	0	100.0%	2	99.5%	5	98.7%	0	0
Planning*	492	14	97.2%	12	97.6%	58	100.0%	26	0
Pole Loading	778	0	100.0%	68	91.3%	0	100.0%	19	0

* Preliminary

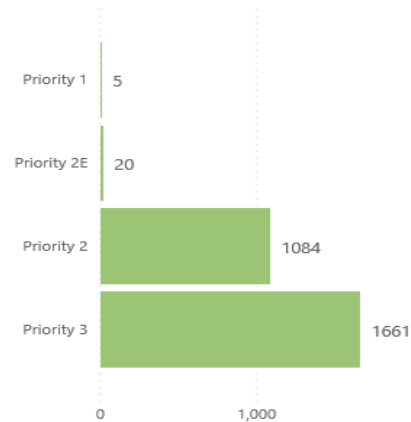
QC Results thru October 2020 (Dist. Construction)

[Power BI Dashboard - Link](#)

4,968

Total Inspections

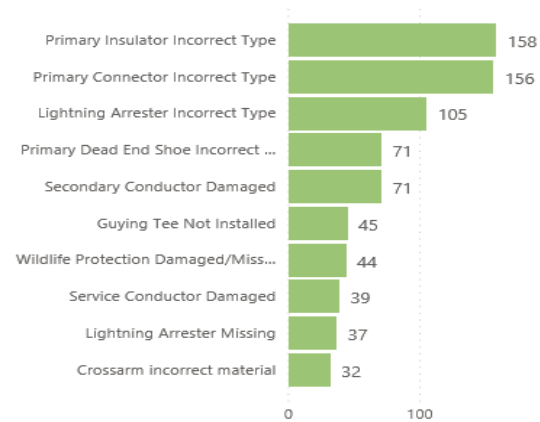
Non-Conformances by Priority



4,031

Pass Total

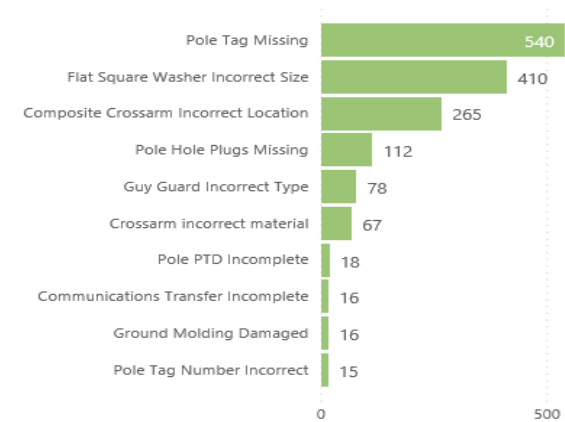
Top 10 P1 & P2 Finding Categories



937

Non-Conformances

Top 10 P3 Finding Categories



81.3%

CR% Actionable Total

Program Name - REAX Score	Structures				Actionable Findings						P3/Observational Outcomes		
	Total QC Inspections	Actionable NC	Actionable CR	Threshold Limit	Priority 1	Priority 2E	Priority 2	Actionable Findings	Open Findings (Past Due)	Past Due Findings	Observational NC	Observational CR	Observational Findings
Distribution Construction (Very High)													
Very High	687	163	76.3 %	100.0 %	1	2	191	194	161	22	106	84.6 %	142
High	1,928	316	83.6 %	98.0 %	0	2	351	353	324	20	459	76.2 %	603
Medium	1,660	318	80.8 %	95.0 %	3	10	381	394	142	134	469	71.7 %	669
Low	693	140	79.8 %	95.0 %	1	6	161	168	42	42	190	72.6 %	247
Total	4,968	937	81.1 %		5	20	1084	1109	669	218	1224	75.4 %	1,661

Note: See next slide for comparison of differences from September YTD results to October results

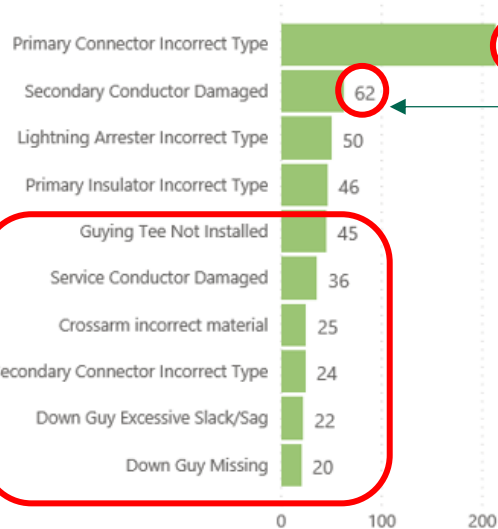
QC Results Dist. Construction – YTD Sept vs October

YTD, through Sept.	3,223 Total Inspections	2,590 Pass Total	633 Non-Conformances	80.6% CR% Actionable Total
YTD, inc. October	4,968 Total Inspections	4,031 Pass Total	937 Non-Conformances	81.3% CR% Actionable Total

Significant Increase in inspections from Sept (+1745)

September 2020 YTD

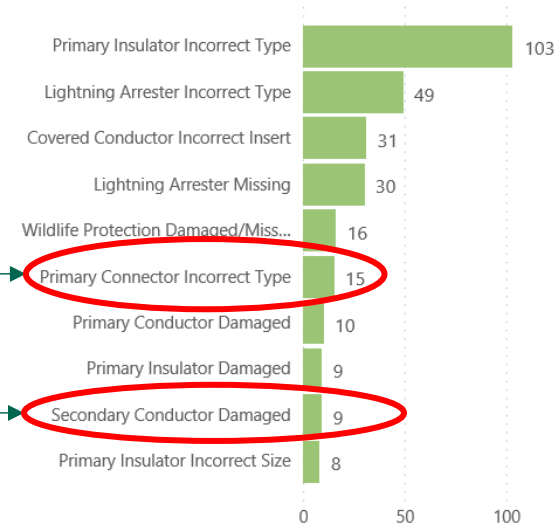
Top 10 P1 & P2 Finding Categories



NCs falling off the Top 10

October MTD 2020

Top 10 P1 & P2 Finding Categories



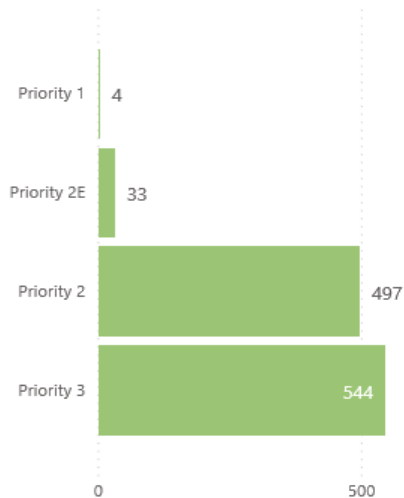
QC Results thru October 2020 (ODI)

[Power BI Dashboard - Link](#)

17K

Total Inspections

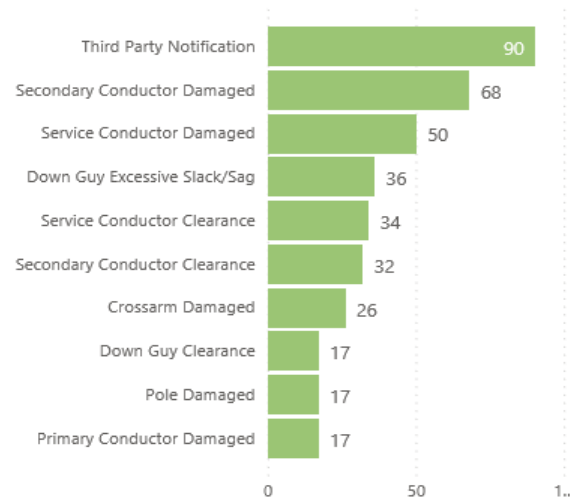
Non-Conformances by Priority



16K

Pass Total

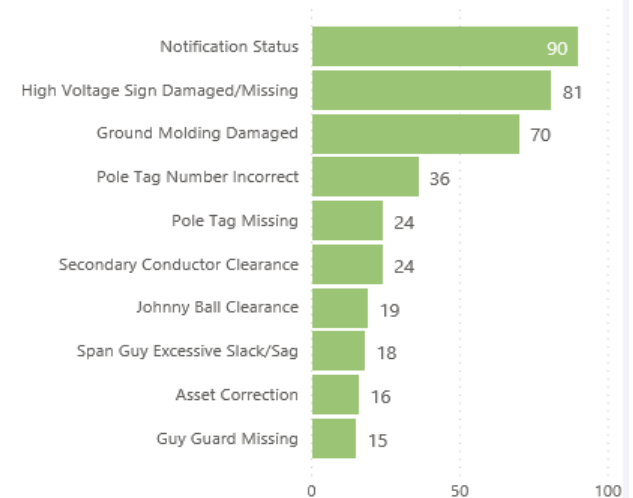
Top 10 P1 & P2 Finding Categories



496

Non-Conformances

Top 10 P3 Finding Categories



97.1%

CR% Actionable Total

Program Name - REAX Score	Structures				Actionable Findings						P3/Observational Outcomes		
	Total QC Inspections	Actionable NC	Actionable CR	Threshold Limit	Priority 1	Priority 2E	Priority 2	Actionable Findings	Open Findings (Past Due)	Past Due Findings	Observational NC	Observational CR	Observational Findings
ODI (High)													
Very High	7,620	235	96.9 %	98.0 %	1	10	237	248	223	143	218	97.1 %	243
High	8,692	240	97.2 %	95.0 %	2	21	240	263	246	93	255	97.1 %	276
Medium	322	16	95.0 %	95.0 %	1	1	15	17	14	14	14	95.7 %	16
Low	127	5	96.1 %	90.0 %	0	1	5	6	6	0	8	93.7 %	9
Total	16,761	496	97.0 %		4	33	497	534	489	250	495	97.0 %	544

October YTD VM Performance – Distribution

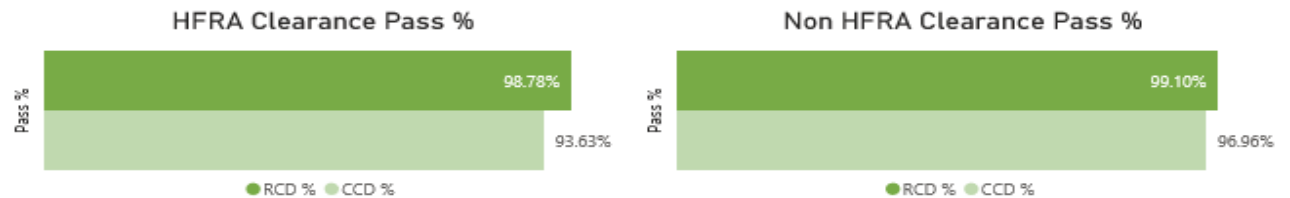
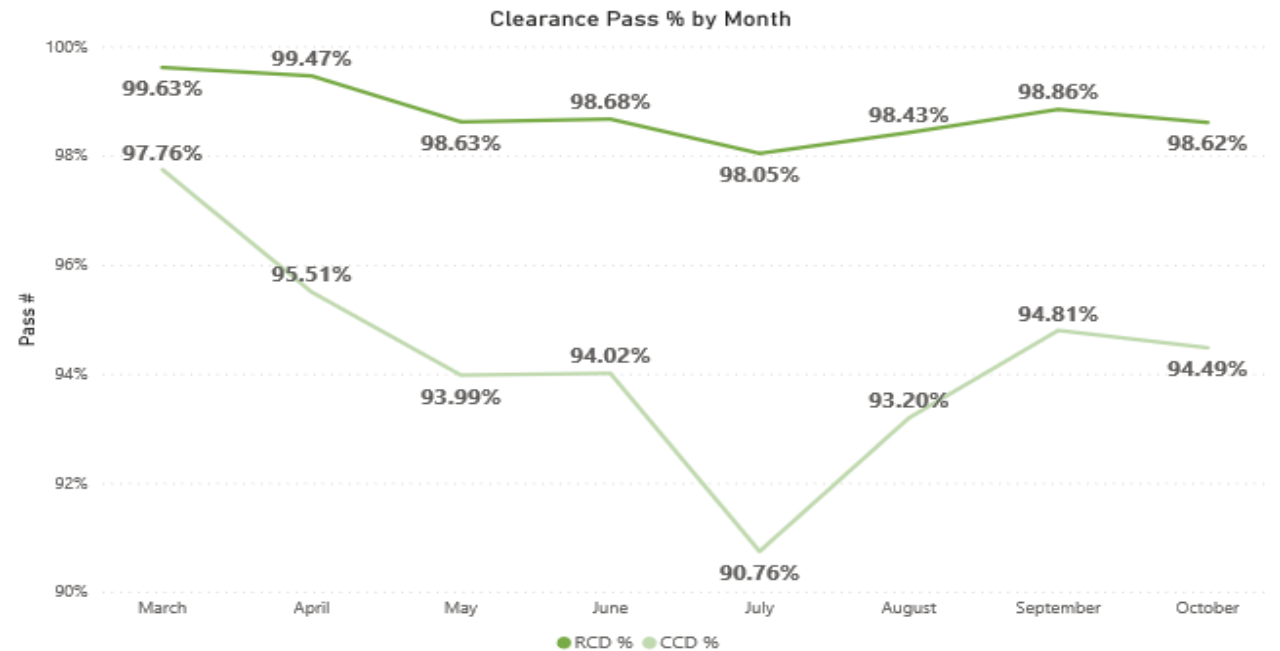
[Power BI Dashboard – Link](#) and select VM Program Performance page

Pass % by District			
District	TreeQty	RCD %	CCD %
Foothill	899	100.00 %	98.67 %
Ontario	3,154	99.94 %	99.08 %
San Joaquin	11,893	99.92 %	99.51 %
29-Palms	1,492	99.73 %	96.65 %
Kernville	10,314	99.69 %	97.29 %
Tehachapi	11,764	99.66 %	97.17 %
Huntington Beach	782	99.36 %	96.29 %
Covina	7,823	99.31 %	96.65 %
Arrowhead	42,005	99.27 %	94.24 %
Whittier	1,088	99.26 %	97.43 %
Montebello	535	99.25 %	96.64 %
Antelope Valley	9,402	99.16 %	94.25 %
Ventura	15,219	99.15 %	95.56 %
Wildomar	13,047	99.10 %	95.98 %
Menifee	16,523	99.03 %	95.19 %
Santa Ana	371	98.92 %	97.30 %
Valencia	6,227	98.89 %	94.52 %
Thousand Oaks	6,855	98.72 %	94.51 %
Palm Springs	1,223	98.45 %	92.64 %
Santa Barbara	11,839	98.35 %	93.58 %
Saddleback	1,678	98.27 %	89.99 %
Compton	1,258	98.25 %	96.34 %
Bishop/Mammoth	762	98.16 %	83.99 %
Long Beach	2,134	98.13 %	95.13 %
Santa Monica	3,035	97.69 %	92.92 %
Victorville	1,844	97.23 %	90.84 %
Redlands	10,196	96.46 %	82.96 %
South Bay	7,386	96.29 %	84.78 %
Monrovia	1,894	94.14 %	82.47 %

211,772
Total Tree Inspections

98.86%
Overall RCD Pass%

94.33%
Overall CCD Pass%



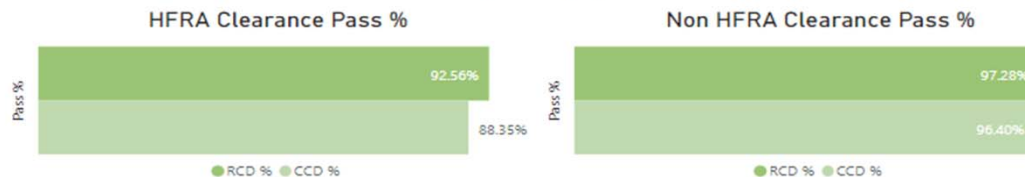
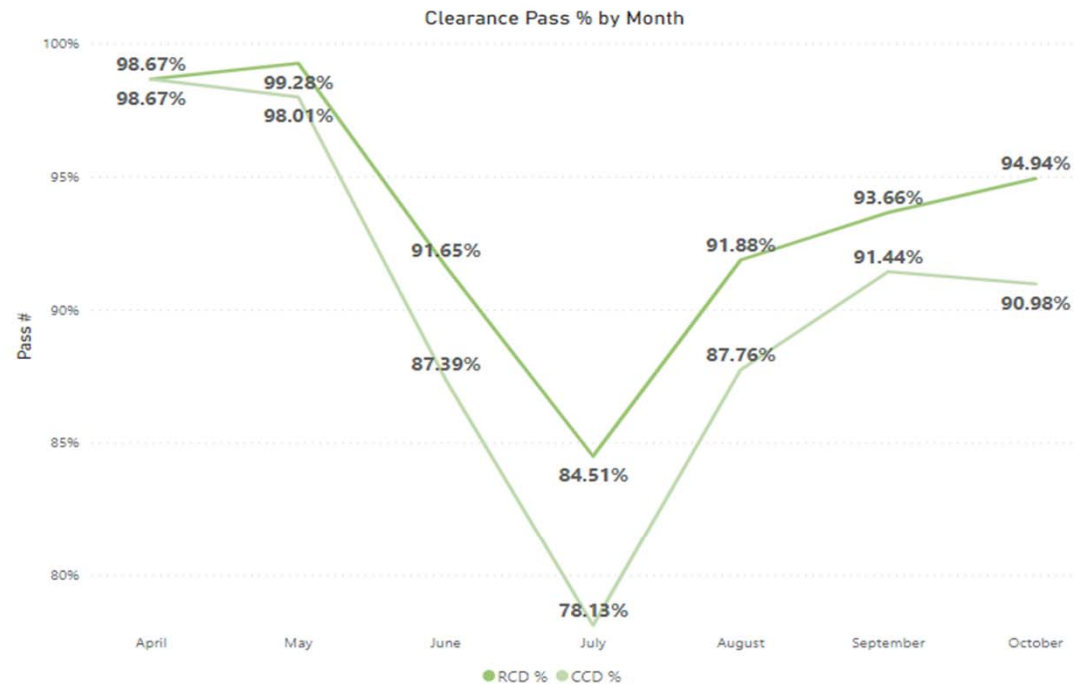
Compliance Zone		HFRA	Non-HFRA
D	RCD = Regulation Clearance Distance	4'	18"
	CCD = Compliance Clearance Distance (RCD x 1.5)	6'	3'
	TCD = Trigger Clearance Distance (CCD + 3')	9'	N/A
	GRCD = Grid Resiliency Clearance Distance	12'	6'

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

October YTD VM Performance – Transmission

[Power BI Dashboard – Link](#) and select VM Program Performance page

District	TreeQty	RCD %	CCD %
South Bay	297	100.00 %	100.00 %
Thousand Oaks	596	99.83 %	99.50 %
Ontario	1,000	99.40 %	99.40 %
Bishop/Mammoth	1,179	98.47 %	98.22 %
Monrovia	2,301	97.18 %	95.22 %
Ventura	667	93.85 %	90.25 %
Antelope Valley	1,033	88.19 %	78.22 %
Valencia	710	81.97 %	74.51 %
Saddleback	1,510	79.01 %	69.74 %
San Joaquin	1,091	73.79 %	63.79 %



	Compliance Zone	HFRA
T	RCD = Regulation Clearance Distance	10'
	CCD = Compliance Clearance Distance (RCD x 1.5)	15'
	TCD = Trigger Clearance Distance (CCD + 3')	18'
	GRCD = Grid Resiliency Clearance Distance	30'

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

APPENDIX



Power BI Update

[Power BI Dashboard - Link](#)

- The filter is now in place for Contractors
- The BI Team has left the current Power BI Dashboard public but duplicated it directly below (see screen shot) in a Restricted space, so that the filter can be applied as desired.
- All metrics will reflect selections made in the filter.

Welcome to Power BI Take a tour, and we'll show you how to get around. Start tour

	San Joaquin												
Shaver Lake	0	0	0	0	0	0	0	0	0	0	0	NaN	0
Tulare	0	0	0	0	0	0	0	0	0	0	0	NaN	0
February	66	27	59.1%	0	4	28	32	1	1	25	62.1%	32	
Total	312	120	61.5%	2	13	126	141	36	33	76	75.6%	95	

This is the only location where the Contractor names can be selected to filter information.

Contractor Nan

Structure	QC Inspection Date	Region	District	Tier Level	REAX+
1049252E	1/23/2020 10:12 PM	Metro East	Monrovia	T3	Medium
1091985E	1/23/2020 9:57 PM	Metro East	Monrovia	T3	Medium
1130522E	2/27/2020 12:00 AM	Metro East	Monrovia	T3	Medium

Please note that this portion of the BI is a restricted viewing area. If you need access, please let me know. thank you!

Make sure you're on the second '2020 Quality Control Program'- 'Program Details'

H&M

- ☐ Select all
- ☐ Danella
- ☐ DUS
- ☐ EPC
- ☐ Faith Electric
- ☒ H&M
- ☐ Hot Line
- ☐ Hotline
- ☐ Outsource

Remarks	Finding C.
high temperature pole hole plug missing in composite pole.	High Temp Plug
protective tubing required on disconnect center phase jumper.	Avian Protection Damaged/Missir
automatic splices left on primary line - located between structures 1130522E and 1130521E. 130521E is climbable - making repairs possible.	Primary Connect Type