Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 4 - S C E - 0 3

To: Energy Safety
Prepared by: Napa Tayavibul
Job Title: Senior Advisor
Received Date: 4/29/2024

Response Date: 5/2/2024

Question 01:
Regarding Expanded Clearances for Generation Legacy Facilities (VM-3)

In SCE's 2025 WMP Update, it states that it executed VM-3 at 63 sites in 2023, exceeding its compliance target of 50 sites.[1] Energy Safety attempted to validate the number of sites SCE executed under this program using its quarterly spatial data submissions. There are 106 polygons with "VM-3" in the Utility Initiative Tracking ID field, many of which are clustered in ways that suggest there are multiple polygons per "site." Energy Safety used the attributes "Asset ID" and "Project Location or Address" to delineate "site." Using either of these attributes, there are 60 unique VM-3 sites represented in SCE's Q1-Q4 2023 Vegetation Management Project Polygon features in the QDR spatial data.

a. How does SCE define "site" for the purposes of executing VM-3?
b. Can SCE's definition of "site" be mapped to an attribute in its quarterly data spatial submissions? If so, which attribute?
c. Are SCE's 2023 quarterly spatial submissions of executed VM-3 work complete?
    a. If so, describe how Energy Safety can delineate unique sites from the submissions.
    b. If not, provide a feature class of the missing executed VM-3-related work in 2023 in the format prescribed by Section 3.6.3.6.4 "Vegetation Management Project Polygon (Feature Class)" of Energy Safety's Data Guidelines v3.2.

Response to Question 01:

The QDR spatial data reflects the current status of *both* inspections and remediations for VM-3, based on when the QDR filing was submitted.

In addition, historically, SCE has provided remediation information. Starting in Q3 2023, SCE began to provide an inspection file for the applicable quarter. As part of the QDR, SCE provides completed inspections and remediations information available at the time of submission, which may or may not include all the site information.

a. How does SCE define "site" for the purposes of executing VM-3?

For the purposes of executing VM-3, SCE defines "sites" as generation assets such as hydroelectric generating stations (powerhouses), substations, switching yards, and associated low-voltage powered assets that are ancillary assets.

b. Can SCE's definition of "site" be mapped to an attribute in its quarterly data spatial submissions? If so, which attribute?

Yes. To identify the site, filter by "Asset ID" and/or "Project Location or Address." SCE clarifies that VM-3 inspection work occurred in Q1 and Q2 2023, but reporting did not occur until Q3 2023.

c. Are SCE's 2023 quarterly spatial submissions of executed VM-3 work complete?

Yes. SCE's 2023 quarterly spatial submissions includes completed VM-3 work.

a. If so, describe how Energy Safety can delineate unique sites from the submissions.
See part b above.

b. If not, provide a feature class of the missing executed VM-3-related work in 2023 in the format prescribed by Section 3.6.3.6.4 "Vegetation Management Project Polygon (Feature Class)" of Energy Safety's Data Guidelines v3.2.

N/A

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 4 - S C E - 0 3

To: Energy Safety
Prepared by: Napa Tayavibul
Job Title: Senior Advisor
Received Date: 4/29/2024

Response Date: 5/2/2024

Question 02:
Regarding the Joint Working Sessions on Woody Debris and Vegetation

In its 2025 WMP Update, SCE mentions that in 2023 it participated in two joint working sessions with SDG&E and PG&E on "disposing and recycling woody debris and vegetation" (p. 49, response to SCE-23-05 "Cross-Utility Collaboration on Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Inclusion of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildfire Safety").

a. Provide the following information about these two joint working sessions:
   1. Each working session's date, time, and host organization
   2. The agenda for each working session
   3. What, if any, entities other than SDG&E, PG&E, and SCE participated in these working sessions
b. Does SCE plan to continue these joint working sessions in the future?
   a. If yes, please describe the proposed schedule.
   b. If no, please explain why SCE will not continue to participate in these working sessions.

Response to Question 02:

a. Provide the following information about these two joint working sessions:

1. Each working session's date, time, and host organization

The first working session was hosted by SCE on June 20, 2023 from 12:30PM to 1:00PM. The second session was hosted by PG&E on August 11, 2023 from 12:00PM to 1:00PM.

2. The agenda for each working session

The first working session focused on discussing the different types of programs and practices each IOU has in place for disposing and/or recycling woody debris and vegetation. Each IOU was allocated time to provide a summary of their disposal and recycling practices for woody debris and vegetation.

The second working session focused on the following questions listed to guide the discussion. Each IOU was allocated time to respond and/or discuss the questions listed

below.

1. Does your utility have a safety standard or official list of controls in place for wood management operations?
    a. Is there an operational standard or any specific governance documents related to wood management?
2. Discuss your respective program(s) for the management and/or hauling of large-diameter wood from private property and agency lands, including size of wood, distance from road or structure, etc.
    a. Is large-diameter wood management limited to specific vegetation management programs, locations/zones/regions (i.e., HFTD?) or land ownership?
    b. Is your wood management work conducted by the same team who conducts your pre-inspection and tree work, or a different team?
3. Specific to large-diameter wood, how is your utility's wood management offering communicated to customers and other stakeholders? (I.e., proactive, upon request, etc.)
4. Is wood management work performed on T&M or at unit cost?
5. Can you share any details around cost recovery strategies for wood management?

3. What, if any, entities other than SDG&E, PG&E, and SCE participated in these working sessions.

None.

b. Does SCE plan to continue these joint working sessions in the future?

At this time, SCE has not scheduled any future joint working sessions on this topic, as the matter was discussed and there was not a pressing need for further discussion. However, SCE may schedule additional working sessions in the future based on need and interest from the other utilities.

a. If yes, please describe the proposed schedule.
See part b above.

b. If no, please explain why SCE will not continue to participate in these working sessions.
See part b above.

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 4 - S C E - 0 3

To: Energy Safety
Prepared by: Napa Tayavibul
Job Title: Senior Advisor
Received Date: 4/29/2024

Response Date: 5/2/2024

Question 03:
Regarding the IOU Meeting on Fuels Management

In its 2025 WMP Update, SCE mentions that "Also in 2023, the joint IOUs held meeting to discuss each utility's respective fuels management programs and began initial collaboration on a possible scoping study on best practices and efficacy of fuels management." (p. 49, response to SCE-23-05 "Cross-Utility Collaboration on Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Inclusion of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildfire Safety").

a. Is this meeting recurring, or was it just held once? Please explain.
b. Is this meeting different that the two joint working sessions on "disposing and recycling woody debris and vegetation" mentioned on page 49 of SCEs 2025 WMP Update? Please explain.

Response to Question 03:

a. Is this meeting recurring, or was it just held once? Please explain.
These are recurring meetings.

b. Is this meeting different that the two joint working sessions on "disposing and recycling woody debris and vegetation" mentioned on page 49 of SCEs 2025 WMP Update? Please explain.

Yes, these meetings are different from the two joint IOU working sessions on "disposing and recycling woody debris and vegetation." These recurring IOU meetings discuss a variety of issues related to wildfire mitigation, such as fuel management and general vegetation management practices. The two working sessions referenced in this question focused on discussion of disposing and recycling woody debris and vegetation.

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 4 - S C E - 0 3

To: Energy Safety
Prepared by: Bryan Landry
Job Title: Senior Advisor – Enterprise Risk Management
Received Date: 4/29/2024

Response Date: 5/2/2024

Question 04:
Regarding the Joint IOU International Wildfire Risk Mitigation Consortium

In its 2025 WMP Update, SCE mentions that "The joint IOUs are founding members of the International Wildfire Risk Mitigation Consortium, which was formed to address best management practices for utility vegetation management for wildfire risk abatement." (p. 49, response to SCE-23-05 "Cross-Utility Collaboration on Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Inclusion of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildfire Safety").

a. The "joint IOUs" stated here refer to which electrical corporations? Please list the electrical corporations.

Response to Question 04:

The Joint IOUs referenced in this response include: Southern California Edison Company, San Diego Gas & Electric Company, and Pacific Gas and Electric Company.

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 4 - S C E - 0 3

To: Energy Safety
Prepared by: Genevieve Cross
Job Title: Senior Advisor
Received Date: 4/29/2024

Response Date: 5/2/2024

Question 05:
Regarding the Joint IOU Monthly Meetings

SCE mentions in its 2025 WMP Update that "The Joint IOUs meet monthly to perform deep dive discussions and comparisons of many areas of the WMP. Topics generally cover mitigation strategy and implementation, regulatory developments, and knowledge sharing." (p. 49, response to SCE-23-05 "Cross-Utility Collaboration on Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Inclusion of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildfire Safety").

a. Provide the following information about these standing monthly joint utility sessions:
   1. Each working session's date, time, and host organization.
   2. The agenda for each working session.
b. Does SCE plan to continue these sessions in the future?
c. Are there any plans to include Bear Valley, Liberty, or PacifiCorp in these meetings?
   1. If yes, please state any past or future attempts to include these electrical corporations.

Response to Question 05:

a. Provide the following information about these standing monthly joint utility sessions:

1. Each working session's date, time, and host organization.

2. The agenda for each working session.

Please see below for a table with the requested information. SCE has included agendas, if available, as an attachment to this response. SCE has removed employee names, contact information, and immaterial logistical details from the agendas.

Date(s)	Time(s)	Host (if in person)	Agenda Available?
March 17, 2023	8:30-4:00	PG&E	Yes
April 14, 2023	8:30-12:00	Virtual	No
May 12, 2023	8:30-4:00	SDG&E	Yes

Date(s)	Time(s)	Host (if in person)	Agenda Available?
June 9, 2023	8:30-12:00	Virtual	Yes
July 14, 2023	8:30-4:00	SCE	Yes
Aug 11, 2023	8:30-12:00	Virtual	Yes
Sept 12 & 13, 2023	12:00-4:00 8:00-12:00	PG&E	Yes
Oct 13, 2023	8:30-12:00	Virtual	Yes
Nov 8 & 9, 2023	12:00-4:00 8:00-12:00	SDG&E	Yes
Dec 15, 2023	8:30-12:00	Virtual	Yes
Jan 10 & 11, 2024	12:00-4:00 8:00-12:00	SCE	Yes
Feb 9, 2024	8:30-12:00	Virtual	Yes
Mar 13 & 14, 2024	12:00-4:30 8:00-12:00	PG&E	Yes
April 12, 2024	8:30-12:00	Virtual	Yes

b. Does SCE plan to continue these sessions in the future?

SCE intends to continue participating in these sessions. As with any effort, SCE may periodically re-assess and adjust its participation as warranted.

c. Are there any plans to include Bear Valley, Liberty, or PacifiCorp in these meetings?

1. If yes, please state any past or future attempts to include these electrical corporations.

Representatives from Bear Valley and PacifiCorp attended the meeting on 1/11/24. SCE and the other large IOUs support including other participants as merited by the relevance of the topics and their availability. SCE works with the other large IOUs to determine the agendas and attendees on a case-by-case basis.

Today's Agenda

March 17, 2023

Topic	Facilitator
Introductions	
2022 ARC & Financial Variances	
Maturity Survey Formalizing our benchmarking activities on all questions that reference *"benchmarking with other electrical corporations"*	
2023 WMP Commitment Challenges	
Targets & Objectives IOU Comparison	
Verifiable Statements Process and approach from each IOU	
Tracking Platforms Discussion on methods and systems used to track deliverables, reporting, approvals, etc.	
Other Topics	
Closing Remarks	

May 12th Agenda:

Topic	Lead	Time
Check In & Breakfast		8:30a - 9:00a
Welcome / Safety / Introductions		9:00a - 9:30a
Commitment Analysis & Discussion		9:30a - 10:30a
Break		10:30a - 10:45a
Non-Spatial & Spatial GIS & Discussion		10:45a - 12:00p
Lunch Break		12:00p - 1:00p
Maturity Model		1:00p - 2:00p
Independent Review of Models & Discussion		2:00p - 3:00p
Break		3:00p – 3:15p
Org Chart	All	3:15p - 3:30p
Other: • Charter for monthly meetings • Agenda for next month's meeting • MM Working Group • Joint IOU Repository	All	3:15p - 4:00p

Agenda for Virtual Meeting 6/9:

- Review the Joint IOU action item tracker (8:30a-10:00a)
    - Joint IOU meeting repository
    - Outside speakers (IWRMC)
    - Charter for monthly meetings
- Break (10:00a-10:15a)
- Maturity Model working group (10:15a-11:45a)
    - Review question's where IOUs responded NO
        - Prioritize Limiting Areas
    - Areas of improvements / Dashboard
- Closing / Round Table (11:45a-11:55a)

WMP Joint IOU Monthly Meeting – Hosted by SCE
July 14, 2023
Agenda & Logistics

Purpose: The three joint IOUs to discuss the following WMP topics for benchmarking and collaboration: WMP analysis/updates, grid design/inspections/maintenance programs, risk reduction estimates, and targeted undergrounding community engagement.

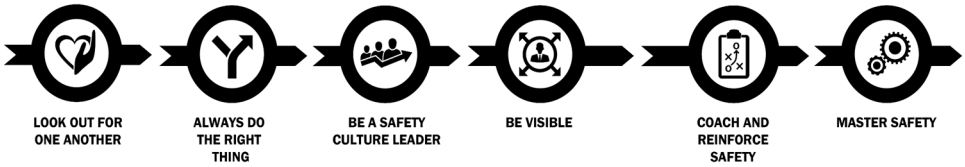
Date/time: Friday, July 14, 2023, 8 a.m.-4:00 p.m.

Location: La Verne Conference Room, SCE Energy Education Center (EEC), 6090 Irwindale Ave, Irwindale, CA 91702

Agenda:

WMP Joint IOU Monthly Meeting – Friday, July 14, 2023					
Time	**Activity**	**Expected Outcome**	**SCE SMEs**	**PGE SMEs**	**SDGE SMEs**
8:00 a.m. (30 min)	Participants arrive & continental breakfast				
8:30 a.m. (15 min)	Introductions & Safety	Introductions and discuss general meeting safety protocols			
8:45 a.m. (45 min)	**Topic 1: WMP Analysis (Verifiable Statements, Revision Notice, Reply Comments)**	Review relevant updates from recent WMP and discuss framework on verifiable statements			
9:30 a.m. (30 min)	SCE's Skid Pole Demo	SCE provides demo of its hardened pole and equipment			
10:00 a.m. (15 min)	Break				
10:15 a.m. (90 min)	**Topic 2: Maturity Model: Grid Design, Inspections, and**	SCE provides overview of its asset data, inspections and maintenance program			

	Maintenance Benchmarking				
11:45 a.m. (75 min)	Lunch				
1:00 p.m. (90 min)	**Topic 3: Estimating Risk Reduction Calculations**	Discuss how each IOU is estimating overall wildfire risk reduction to better understand differences			
2:30 p.m. (15 min)	Break				
2:45 p.m. (60 min)	**Topic 4: Targeted Undergrounding Community/External Engagement**	Share best practices for engaging customers about targeted undergrounding efforts given the significant impact in communities			
3:45 p.m. (15 min)	Next Steps	Capture action items and discuss any other ad-hoc items			
4:00 p.m.	Meeting ends				



WMP Joint IOU Meeting - VIRTUAL
Monthly Meeting
Friday, August 11, 2023
8:30 am – 4:00 pm
Microsoft Teams Meeting

SCE / PG&E / SDG&E
Purpose of Meeting: The three joint IOUs to discuss the following WMP topics for benchmarking and collaboration: WMP analysis/updates, grid design/inspections/maintenance programs, risk reduction estimates, and targeted undergrounding community engagement.
Emergency Protocol for Virtual Meeting Participants: • Who will call ESOC? (626-815-5611) • Who will contact the employee's leader? • Who will stay on the call with the employee? • Identify the location of employees who may be in transit or out in the field.

AGENDA

Time	Topic	Who	Method	Expected Outcome
8:30 am 5 mins.	Meeting Kickoff Agenda Review / Safety Protocol / Safety Moment		Present, Discuss & Agree	
	Topic 1 - Energy Safety WMP Guidelines		Present & Discuss	
	Topic 2 - Mitigating Wildfires on Communication Information Provider (CIP) Equipment		Present & Discuss	
	Topic 3 - Joint IOU Charter		Present & Discuss	
	Topic 4 - Joint IOU Covered Conductor Effectives Workstream Update		Present & Discuss	
	In closing		Present & Discuss	
4:00 pm	**Meeting Adjourned**			

Meeting Notes:

WMP Joint IOU Monthly Meeting – Hosted by

PG&E September 12, 2023 - September 13, 2023

Agenda & Logistics

Purpose: The three joint IOUs to discuss the following WMP topics for benchmarking and collaboration: WMP analysis/updates, grid design/inspections/maintenance programs, risk reduction estimates, and targeted undergrounding community engagement.

Date/time: Tuesday, September 12, 2023, 12:00 p.m.-4:00 p.m.

Wednesday, September 13, 2023, 8:00 a.m.-12:00 p.m.

Location: Tuesday: Oakland General Office (OGO), WRCC 24th Floor, 300 Lakeside Drive,

Oakland, CA 94612

Wednesday: San Ramon Valley Conference Center, Conference Room A-103, 3301 Crow Canyon Road, San Ramon, CA 94583

Agenda:

WMP Joint IOU Monthly Meeting- Tuesday, September 12, 2023			
Time	**Topic/Activity**	**Who**	**Expected Outcome**
12:00 p.m. (60 min)	Participants arrive & lunch provided	All Participants	
1:00 p.m. (10 min)	Safety & Introductions	**PG&E:**	Discuss safety protocols and Introductions
1:10 p.m. (50 min)	WMP Draft Decision Approvals: ACIs for SCE and SDG&E	**PG&E:** **SCE**: **SDG&E**:	• Review ACIs; compare to PG&E RNs • Review benchmarking • Evaluate concerns and/or follow-ups
2:00 p.m. (45 min)	Wildfire Risk Weekly Operating Review	**PG&E:**	
2:45 p.m. (15 min)	Break	All Participants	
3:00 p.m. 60 min)	Undergrounding	**PG&E:** **SCE**: **SDG&E**:	Understanding entire scope of undergrounding. End-to-end process, challenges encountered, and successes
4:00 p.m.	Travel to San Ramon		

WMP Joint IOU Monthly Meeting- Wednesday, September 13, 2023			
Time	**Activity**	**Who**	**Expected Outcome**
8:00 a.m. (30 min)	Participants arrive & breakfast provided	All Participants	
8:25 a.m. (5 min)	Safety	**PG&E:**	Discuss safety protocols
8:30 a.m. (30 min)	Transmission Tags	**PG&E:** **SCE**: **SDG&E**:	Understanding end-to-end process, challenges encountered, and successes
9:00 a.m. (60 min)	Tour of HAWC	**PG&E:**	Tour and overview of PG&E's Hazard Awareness Warning Center
10:00 a.m. (15 min)	Break	All Participants	
10:15 a.m. (45 min)	Distribution Tag Backlog	**PG&E**: **SCE**: **SDG&E**:	Understanding end-to-end process, challenges encountered, and successes
11:00 a.m. (30 min)	Misc. Topics • Consideration of Adding Hawaii Electric to Joint IOU • Prep for 2025 WMP Update	All Participants	
11:30 a.m. (30 min)	Next Steps/Action Items	Roundtable	Topics for next meeting/ad-hoc items • What two days in Nov for in-person meeting at SDG&E?
12:00 p.m.	Meeting Ends		

Pacific Gas and Electric Company®

WMP Joint IOU Monthly Meeting – Virtual led by PG&E
October 13, 2023

Purpose: The three joint IOUs to discuss the following WMP topics for benchmarking and collaboration: WMP analysis/updates, grid design/inspections/maintenance programs, risk reduction estimates, and targeted undergrounding community engagement.
Date/time: Friday, October 13, 2023, 08:30 a.m. - 12:00 p.m.
Location: Microsoft Teams Meeting

Agenda:

WMP Joint IOU Monthly Meeting- Friday, October 13, 2023			
Time	**Topic/Activity**	**Who**	**Expected Outcome**
08:30 a.m. (10 min)	Meeting Kick-off • Safety • Agenda Overview	**PG&E:**	
08:40 a.m. (50 min)	Deep Dive into ACIs	**SCE**: **SDG&E**:	Discuss Joint ACIs between SDG&E and SCE
9:30 a.m. (45 min)	2024 Change Order Process	**PG&E:** **SCE**: **SDG&E**:	• Recap of inquiries to Energy Safety • Sharing current list of possible change orders and reasons for the changes
10:15 a.m. (15 min)	Break	All Participants	
10:30 a.m. (45 min)	2025 Update Progress	**PG&E:** **SCE**: **SDG&E**:	• Where we are in the process of 2025 update • Do we want to have a smaller group meet more frequently during this process to ensure alignment?
11:15 a.m. (45 min)	Next Steps/Action Items	Roundtable	• Topics for next meeting/ad-hoc items • Agenda for next meeting at SDG&E
12:00 p.m.	Meeting Ends		

11/8 Agenda

Topic	Who	Time	Prompts
Participants arrive & lunch provided	All Participants	12:00 pm (60 min)	
Safety & Introduction	**SDG&E**:	1:00 pm (10 min)	
Topic 1: WMP Status Update / ACIs	**SDG&E**: **PG&E:** **SCE:**	1:10 pm (50 min)	• Status updates on WMP • Status updates on ACIs
Topic 2: Transmission Hardening Strategy	**SDG&E**: **PG&E:** **SCE:**	2:00 pm (45 min)	• Better understand challenges either externally or internally when establishing strategy • Overall cost to implement • How work is prioritized, and any key lessons learned
Break	All Participants	2:45 pm (15 min)	
Topic 3: Covered Conductor Inspection Strategy	**SDG&E**: **PG&E:** **SCE:**	3:00 pm (60 min)	• Better understand challenges either externally or internally when establishing strategy • How inspections are prioritized, and any key lessons learned
Round table / Closing	All Participants	4:00 pm (30 min)	

11/9 Agenda

Topic	Who	Time	Prompts
Participants arrive & breakfast provided	All Participants	8:30 am (25min)	
Safety	**SDG&E**:	8:55 am (5 min)	
Topic 4: Situational Awareness Discussion	**SDG&E**: **PG&E:** **SCE:**	9:00 am (60 min)	• Roadmap / future plans for the program • New or replacement programs/technologies being discussed for the program • General findings for the program
Break	All Participants	10:00 am (15 min)	
Topic 5: Maturity Model Survey	**SDG&E**: **PG&E:** **SCE:**	10:15 am (45 min)	• Improvements / Commitments Status • Scoring Alignment with OEIS • Strategy moving forward
Misc. Topics: Review and document all Joint IOU meetings	All Participants	11:00 am (30 min)	
Next Steps / Action Items	All Participants	11:30 am (30 min)	
Meeting Ends	All Participants	12:00 pm	

Agenda

Topic	Who	Time	Prompts
Safety Moment	SDG&E	8:30a – 8:35a	-

Topic 1: WMP & ACI Updates | Non-Spatial Table 14 & 15	**SDG&E**:
	PG&E:
	SCE:
		8:35a – 10:00a	• WMP & ACI Status Updates
			• WMP Non-Spatial Table 14 & 15 – top 5% risk segment:
			  • What is the approach each utility is using to populate these metric tables?
			  • How do each utility plan on updating these metric tables each year?

Break	All Participants	10:00a - 10:15a	
Topic 2: Open Wire Secondary Services	**SDG&E**: **PG&E**: **SCE**:	10:15a - 11:45a	• What is the volume of open wire secondaries and services that each utility has in their HFTD areas? • What has been the history of outages and ignitions on these specific open wire secondaries and services – 2017 – 2023 if possible? • What is the strategy to address ignitions from these open wire secondaries and services?
Closing / Round Table	All Participants	11:45a - 11:55a	

WMP Joint IOU Monthly Meeting – Hosted by SCE
January 10 & 11, 2024
Agenda

Purpose: The three joint IOUs to discuss the following WMP topics for benchmarking and collaboration: WMP analysis/updates, grid design/inspections/maintenance programs, risk reduction estimates, and targeted undergrounding community engagement.

Date/time - **Day One:** Wednesday, January 10, 2024, noon - 4:00 p.m.
Date/time - **Day Two:** Thursday, January 11, 2024, 8 a.m.- noon

Location: SCE, Alhambra AG Bldg, Commonwealth Conf Rm, 501 South Marengo Ave, Alhambra, CA 91803

Agenda:

Day One - Wednesday, January 10, 2024					
Time	**Activity**	**Expected Outcome**	**SCE SMEs**	**PGE SMEs**	**SDGE SMEs**
12:00 p.m. (60 min)	Participants arrive & lunch				
1:00 p.m. (15 min)	Introductions & Safety	Introductions and discuss general meeting safety protocols			
1:15 p.m. (60 min)	**Topic 1: Update on ACIs commons across the 3 IOUs**	Share and discuss status of ACIs			
2:15 p.m. (60 min)	**Topic 2: Senate Bill 884**	Each utility provide an update on their comment letter			
3:15 p.m. (15 min)	Break				
3:30 p.m. (60 min)	**Topic 3: IWRMC Meeting in March**	Overview of who from each utility is going, discuss any speaking arrangements			
4:30 p.m.	Meeting ends				

Day Two - Thursday, January 11, 2024					
Time	**Activity**	**Expected Outcome**	**SCE SMEs**	**PGE SMEs**	**SDGE SMEs**
8:00 a.m. (30 min)	Participants arrive & continental breakfast				
8:30 a.m. (10 min)	Introductions & Safety	Introductions and discuss general meeting safety protocols			
8:40 a.m. (60 mins)	**Topic 1: Maturity Model and 2025 WMP Update and Plan for target changes**	Discuss maturity model and share status of the 2025 WMP Update			
9:40 a.m. (60 min)	**Topic 2: New Technology Update**	Drones – Beyond Line of Sight, Smart Meters, and Gridscope. Discuss lessons learned.			
10:40 a.m. (5 min)	Next Steps	Capture action items and discuss any other ad-hoc items			
10:45 a.m. (75 min)	**SCE Grid Control Center Tour**				
12:00 p.m.	Meeting ends				

WMP Joint IOU Monthly Meeting – Hosted by SCE
February 9, 2024
Agenda

Purpose: The three joint IOUs to discuss the following WMP topics for benchmarking and collaboration: WMP analysis/updates, grid design/inspections/maintenance programs, risk reduction estimates and targeted undergrounding.

Date/time: Friday, February 9, 2024, 8:00 a.m - 12:00 p.m.
Location: Virtual Teams Meeting

Agenda:

Time	Activity	Expected Outcome	SCE SMEs	PGE SMEs	SDGE SMEs
8:00am (10 min)	Introductions & Safety	Introductions for new attendees and discuss general meeting safety protocols			
8:10am (50 min)	**Topic 1: Maturity Model and 2025 WMP Update and Plan for target changes**	Discuss an update on the maturity model and share status of the 2025 WMP Update			
9:00am (60 mins)	**Topic 2: Undergrounding Update**	Share status of ROE process, update from EPC contract, and successes/challenges			
10:00am (5 min) - Break					
10:05am (55 min)	**Topic 3: Wind Speed Threshold Analysis**	SCE will provide an overview of a report done by Logic 20/20 but would like to hear from PG&E and SDG&E on what they are exploring in this area, when it comes to PSPS events.			
11:00am	**Topic 4: Action Item Tracker, upcoming topics and roundtable**	Align on pending action items and define new ones			

WMP Joint IOU Monthly Meeting – Hosted by PG&E

March 13, 2024 - March 14, 2024

Agenda & Logistics

Purpose: The three joint IOUs to discuss the following WMP topics for benchmarking and collaboration: WMP analysis/updates, grid design/inspections/maintenance programs, risk reduction estimates, and targeted undergrounding community engagement.

Date/time: Wednesday, March 13, 2024, 12:00 p.m.-4:00 p.m.

Thursday, March 14, 2024, 8:00 a.m.-12:00 p.m.

Location: 6030 West Oaks Blvd, Rocklin, CA 95765 - 3rd Floor, Conference Room 3001

WMP Joint IOU Monthly Meeting- Wednesday, March 13, 2024			
Time	**Topic/Activity**	**Who**	**Expected Outcome**
12:00 pm. (60 min)	Participants arrive & lunch provided	All Participants	
1:00 pm. (10 min)	Safety & Introductions	**PG&E:**	• Discuss safety protocols and Introductions
1:10 pm. (30 min)	2025 WMP Update	**PG&E:** **SCE**: **SDG&E;** **Bear Valley:**	• Overview of 2025 WMP Update Progress
1:40 pm. (30 min)	Maturity Survey	**PG&E**: **SCE**: **SDG&E**: **Bear Valley:**	• Maturity Survey Review and Comparison
2:10 pm. (10 min)	Break	All Participants	
2:20 pm. (60 min)	ARC Update	**PG&E**: **SCE**: **SDG&E:** **Bear Valley:**	• Comparison of ARCs • General overview
3:20 p.m. (10 min)	Break	All Participants	
3:30 pm. (30 min)	2026-2028 WMP Guidelines Comments	**PG&E:** **SCE**: **SDG&E**: **Bear Valley:**	• Collaborate on comments to submit to OEIS
4:00 p.m. (30 min)	Safety Culture Assessment	**PG&E:** **SCE**: **SDG&E**: **Bear Valley:**	• Review of recent Safety Culture Assessment
4:30 p.m.	Meeting Ends		

WMP Joint IOU Monthly Meeting- Thursday, March 14, 2024			
Time	**Activity**	**Who**	**Expected Outcome**
8:00 a.m. (30 min)	Participants arrive & breakfast provided	All Participants	
8:25 a.m. (5 min)	Safety	**PG&E:**	Discuss safety protocols
8:30 a.m. (60 min)	Q&A w/Melissa Semcer (Former OEIS Deputy Director)	All Participants	
9:30 a.m. (15 min)	Break	All Participants	
9:45 p.m. (90 min)	Undergrounding Discussion	**PG&E:** **SCE**: **SDG&E**: **Bear Valley:**	• Project Management • What is the avg cycle time for design, clearance of constraints, and construction? • What are some of the practices or processes you have put in place to shorten and/or clear the constraints (e.g. environmental, easement, gov't lands, nps) • Do you use an EPC model? If so, did this result in a decrease in project cycle time? If so, what was the reduction (% or time)? • What are some of the roadblocks or challenges you have experienced with the undergrounding program and how were you able to mitigate those challenges? • How do you handle OH secondaries and services where a property owner is not willing to convert their panel from OH to UG?
11:15 p.m. (30 min)	Undergrounding Command Center Tour	All Participants	
11:45 a.m. (15 min)	Next Steps/Action Items	Roundtable	Topics for next meeting/ad-hoc items
12:00 p.m.	Meeting Ends		

WMP Joint IOU Monthly Meeting – Virtual led by PG&E

April 12, 2024

Purpose: The three joint IOUs to discuss the following WMP topics for benchmarking and collaboration: WMP analysis/updates, grid design/inspections/maintenance programs, risk reduction estimates, and targeted undergrounding community engagement.

Date/time: Friday, April 12, 2024, 8:00 a.m.-12:00 p.m.

Location: Microsoft Teams Meeting

Agenda:

WMP Joint IOU Monthly Meeting			
Time	**Topic/Activity**	**Who**	**Expected Outcome**
8:00 a.m. (15 min)	Safety & Introductions	**PG&E:**	Discuss safety protocols and Introductions.
8:15 a.m. (30 min)	2025 Update- Overview of Filing	**PG&E:** **SCE**: **SDG&E**	• Filing process • Content • Lessons Learned
8:45 a.m. (30 min)	Comments on 2026-2028 WMP Guidelines	**PG&E:** **SCE**: **SDG&E**:	
9:15 a.m. (60 min)	Q&A w/Melissa Semcer (Former Deputy Director, OEIS)	**PG&E:**	• Discussion with former Deputy Director at OEIS • Q&A
10:15 a.m. (15 min)	Break	All Participants	
10:30 a.m. (30 min)	ARC- Overview of Filing	**PG&E:** **SCE**: **SDG&E**:	• Filing process • Content of ARC • Lessons Learned
11:00 a.m. (45 min)	Idle Facilities	**PG&E:** **SCE**: **SDG&E**:	• Review each IOU's process to help identify and de-energize idle facilities. • Compare processes on identifying, prioritizing, and assigning the work to be completed
11:45 a.m. (15 min)	Next Steps/Action Items	All Participants	Topics for next meeting/ad-hoc items
12:00 p.m.	Meeting Ends		

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 4 - S C E - 0 3

To: Energy Safety
Prepared by: Michelle Lambert
Job Title: Sr. Advisor
Received Date: 4/29/2024

Response Date: 5/2/2024

Question 06:
Regarding SCE's LineVue Program

On page 33 of SCE's 2025 WMP Update, SCE states that it is closing the LineVue program given a 0% find rate in 2023 and 2024.

a. Did SCE have any other findings prior to 2023 using LineVue? If so:
1. Provide a list of such findings, including details on the type of finding (i.e. type of damage found).
2. For each type of finding provided, describe what other existing inspection programs are able to detect such findings.

Response to Question 06:

a. Did SCE have any other findings prior to 2023 using LineVue? If so:

The 0% find rate for the LineVue inspection program referenced on page 33 of SCE's 2025 WMP Update is for 2022 and 2023 inspection years. The LineVue inspection program is still ongoing in 2024.

The 0% find rate was from a total of 79 inspections performed in 2022 and 70 inspections performed in 2023 for this program.

1. Provide a list of such findings, including details on the type of finding (i.e. type of damage found).

N/A

2. For each type of finding provided, describe what other existing inspection programs are able to detect such findings.

N/A

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 4 - S C E - 0 3

To: Energy Safety
Prepared by: Priya Pittman
Job Title: Senior Advisor
Received Date: 4/29/2024

Response Date: 5/2/2024

Question 07:
Regarding SCE-23-11: Covered Conductor Inspection and Maintenance

In response to SCE-23-11: Covered Conductor Inspection and Maintenance, SCE describes how it updates its inspection procedures and "criteria account for potential failure modes unique to covered conductor." Provide any such documents and procedures that have been updated as described, including highlights on the changes made relating to covered conductor.

Response to Question 07:

SCE's response to SCE-23-11 is referring to the fact that SCE's inspectors utilize a distribution inspection form, which SCE updated in November 2023, to include questions relating to additional potential covered conductor conditions. Attachment A to this data request response is the updated inspection form with the new changes highlighted in yellow and previously existing related condition questions highlighted in blue (please see pages 2 – 3 and 20 – 23 for related updates).

Attachment A – Distribution Inspection Form with covered conductor updates
Yellow Highlight indicates updated inspection requirement
Blue highlight indicates existing inspection requirement

Inspect App Survey Question – InspectApp 5.7

Covered Conductor Updates

INSPECTION SURVEY GOVERNANCE APPROVED: 05/11/2023

INSPECTAPP 5.7 UPDATE FINALIZED: 10/27/2023

GLOBAL RELEASE: 11/15/2023

Change Log Revisions

Section	Impacted Group	Rational For Change	Change From	Change To
Primary Level - Conductor	Ground and Aerial	Added corrosion "oxidation" condition with notification required as one of the answers	8.020 (AERIAL/GROUND) Are any of the following primary conductor conditions observed? Select all that apply. (Disabled by SV003 [E,H,I]) A. Metal or Non-Metal Debris (Enables 8.001) B. Clearance issues with vegetation (Enables 8.002A) C. Clearance issues with structures (Enables 8.002B) D. Clearance issues with guy wires, conductors or equipment (Enables 8.016) E. Damage (Notification Required) F. No abnormal conditions	8.020 (AERIAL/GROUND) Are any of the following primary conductor conditions observed? Select all that apply. (Disabled by SV003 [E,H,I]) A. Metal or Non-Metal Debris (Enables 8.001) B. Clearance issues with vegetation (Enables 8.002A) C. Clearance issues with structures (Enables 8.002B) D. Clearance issues with guy wires, conductors or equipment (Enables 8.016) E. Damage (Notification Required) F. Visible Oxidation (excluding Patina) (Notification Required) G. No abnormal conditions
Primary Level - Conductor	Ground and Aerial	Updated the question/responses to capture specific damage condition of the covered conductor Data will be used to perform covered conductor analysis	8.010 (AERIAL/GROUND) For covered conductor, are there visible signs of tracking or damage on the outer jacket? (Enabled by 8.009 [A]) A. Yes, visible signs of tracking or damage on covered conductor jacket (Notification Required) B. No, visible signs of tracking or damage not on covered conductor jacket	8.010 (AERIAL/GROUND) For covered conductor, are there any visible signs of damage on the jacket? (Enabled by 8.009 [A]) A. Burning (Notification Required) B. Tracking (Notification Required) C. Bulging (Notification Required) D. Cracking (Notification Required) E. Other Damage (Notification Required) F. No damage observed (add logic to block this if the Inspectors selected A, B, C, D and E answers)
Primary Level - Conductor	Ground	Updated the question/responses to have cover both missing and inadequately installed wildfire covers	8.015 For covered conductor, indicate if any of the following covered conductor covers are missing. Select all that apply or select "No missing covered conductor covers" (Enabled by 8.009 [A]) A. Dead-end cover (Notification Required B. Bare Tap (Notification Required) C. Connector cover (Notification Required) D. Fuse cover (Notification Required) E. Lightning arrester cover (Notification Required) F. Equipment bushing cover (Notification Required) G. Pothead cover (Notification Required) H. No missing covered conductor cover	8.015 For covered conductor, indicate if any of the following wildlife covers are missing or inadequately installed. Select all that apply (Enabled by 8.009 [A]) A. Dead-end cover (Notification Required B. Bare Tap cover (Notification Required) C. Connector cover (Notification Required) D. Fuse cover (Notification Required) E. Lightning arrester cover (Notification Required) F. Equipment bushing cover (Notification Required) G. Pothead cover (Notification Required) H. All covers installed adequately

Primary Level - Conductor	Ground	This question should be enabled by 8.009 [A] – covered conductor.	8.021 Do jumper wires exist? A. Yes, jumpers exist (Enables 8.018, 8.022, 8.023) B. No, jumpers do not exist	8.021 Are jumper wires present? (Enabled by 8.009 [A]) A. Yes, (Enables 8.018, 8.022, 8.023) B. No
Primary Level - Conductor	Ground	Removed the logic - Enabled by 8.009 [A]. This is a follow-up question from 8.021 [A] if a jumper exists.	8.018 For covered conductor circuit line connections (excludes connections to equipment), what jumper is used? (Enabled by 8.009 [A], 8.021 [A]) A. PGW (Notification Required) B. Bare wire (Notification Required) C. Covered conductor D. Wire with split tube E. The covered conductor circuit does not have any jumpers	8.018 For covered conductor circuit line connections (excludes connections to equipment), what jumper is used? (8.021 [A]) A. PGW (Notification Required) B. Bare wire (Notification Required) C. Covered conductor D. Wire with split tube E. The covered conductor circuit does not have any jumpers
Primary Level - Conductor	Ground and Aerial	Updated the question	8.022 (AERIAL/GROUND) Are jumper wires adequately separated and supported to avoid contact or fatigue during high wind events? (Enabled by 8.021 [A]) A. Yes, jumpers are adequately separated and supported B. No, jumpers are not adequately separated and supported (Notification Required)	8.022 (AERIAL/GROUND) Are jumper wires adequately separated and supported to avoid contact during high wind events? (Enabled by 8.021 [A]) A. Yes, jumpers are adequately separated and supported B. No, jumpers are not adequately separated and supported (Notification Required)
Primary Level - Conductor	Ground	New Question added - data collection to help with the vibration damper retrofit program 3 years to collect data to make sure the full cycle of inspection		8.026 Are vibration dampers installed on all covered conductor spans? (Enabled by 8.009 [A]) A. Yes, vibration dampers are installed B. No, vibration dampers not installed
Primary Level -	Ground	Non-exempt question update – removed redundant words	0.022 If Non-Exempt material is present on the pole, is there at least 10 feet of clearance between vegetation and the base of the pole? (specify if clearance is needed)	0.022 Is there at least 10 feet of clearance between vegetation and the base of the pole? (specify if clearance is needed)
Primary Level -	Ground	Non-exempt question update - removed redundant words	0.021A Indicate if any of the following types of non-exempt SWITCH material are present on the pole. Select all that apply or select "No non-exempt switch present". (Enabled by SV006 [A])	0.021A Indicate if any of the following types of non-exempt SWITCH material are present on the pole. Select all that apply or select Non-exempt switch not present (Enabled by SV006 [A])
Primary Level -	Ground	Non-exempt question update - removed redundant words	0.021C Indicate if any of the following types of non-exempt ARRESTER material are present on the pole. Select all that apply or select "No non-exempt arrester present" (Enabled by SV006 [A])	0.021C Indicate if any of the following types of non-exempt ARRESTER material are present on the pole. Select all that apply or select Non-exempt arrester not present. (Enabled by SV006 [A])

Primary Level	Ground/Aerial	Non-exempt question update - removed redundant words	0.021D (AERIAL/GROUND) Indicate if any of the following types of non-exempt CONNECTOR material are present at this level. Select all that apply or select "No non-exempt connector present" Non-exempt connector not present. (Enabled by SV006 [A])	0.021D (AERIAL/GROUND) Indicate if any of the following types of non-exempt CONNECTOR material are present at this level. Select all that apply or select Non-exempt connector not present. (Enabled by SV006 [A])
Secondary Level	Ground	Non-exempt question removed	0.021E Indicate which of the following types of non-exempt CONNECTOR material are present at this level. Select all that apply or select “No non-exempt connector present” (Enabled by SV006 [A]) (Disabled by SV003 [H,I])	Removed question

Structure Verification

SV001 This survey is being completed by:

A. An SCE employee
B. A contractor - NO Veg (Disables 0.016, 8.002A, 9.003, 10.006, 10.007[E], 0.022, 0.027 [A], 15.004 [A])
C. A contractor - with Veg

SV002 Are you able to complete the data capture survey?

A. Yes, from both air and ground (Disables SV002A)
B. Yes, but from ground only (Enables SV002B) (Disables SV002A, 1.002 [E])
C. No (Enables SV002A, Disables SV003, SV004, SV005, SV006, SV007) ODIA/ODIO

SV002A Indicate why the survey is unable to be completed:

A. Access/Obstruction Limited Inspection (Note: if user picks survey stops)
B. Structure not in field (Note: if user picks survey stops)

SV002B Indicate why the aerial perspective of the inspection is unable to be utilized: (Enabled by SV002 [B,C])

A. Inspection not 360 degree inspection
B. Terrain unsafe
C. Vegetation obstruction
D. Hazard (dog, unsafe condition, traffic)
E. Weather (wind, fire, smoke, snow, rain, flood)
F. Property owner refusal/locked gate
G. Airspace clearance not granted or restricted
H. Land type restrictions (govt land, military base, tribal land)
I. Structure in substation
J. Transmission line interference
K. Environmental restriction (active bird nest, within buffer zone)

SV003 What is the structure type?

A. Distribution Pole – ED
B. Transmission / Distribution Pole – EZ
C. Hydro Pole – ED
D. Communication Only Pole (Note: if user picks survey stops)
E. Streetlight Only Pole – EDSL (Disables SV004 [A,B,C,D]; SV005 [A,C]; MAT_PRI [A-R]; MAT_SEC [A,B,C,D,F,I,N,O]; MAT_COMM [A,B,C,D,E]; 0.014M; 0.014N; 2.008; 0.014O; 6.001; 0.014I; 9.006; 11.004) (Enables SV004 [E,F,G]; 11.005)
F. Transmission Pole – ET (Note: if user picks survey stops)
G. Trans-Telecom Pole – ER (Note: if user picks survey stops)
H. Guy Stub Pole (Disables MAT_PRI [C,D,E,F,G,H,L,O,P,Q,R]; MAT_SEC [E,F,G,H,I,M,N,O,S]; MAT_COMM [E]; MAT_PUB [F])
I. Push Pole (Disables MAT_PRI [C,D,E,F,G,H,L,O,P,Q,R]; MAT_SEC [E,F,G,H,I,M,N,O,S]; MAT_COMM [E]; MAT_PUB [F])
J. None of the above (Note: if user picks survey stops)

SV004 What is the structure material?

A. Poles - Wood (Disabled by SV003 [E])
B. Poles - Composite (Disabled by SV003 [E])
C. Poles - Steel (Enables SV010) (Disabled by SV003 [E])
D. Poles - Tree (Disabled by SV003 [E])
E. Streetlight Only Pole – Concrete (Enabled by SV003 [E])
F. Streetlight Only Pole – Wood (Enabled by SV003 [E])
G. Streetlight Only Pole – Steel (Enabled by SV003 [E])
H. Poles - Concrete (Disabled by SV003 [E])
I. None of the above (Note: if user picks survey stops)

SV005 What levels exist on this structure?

NOTE: For guy stub and push poles indicate the level in which structure or attachments are connected to the associated structure

A. Primary level (Enables MAT_PRI) (Disabled by SV003 [E])
B. Secondary level (Enables MAT_SEC)
C. Communication level (Enables MAT_COMM) (Disabled by SV003 [E])
D. Public level (Enables MAT_PUB)

SV006 Is this structure located in a High Fire Area or SRA?

A. Yes, structure in a High Fire Area or SRA (Enables 8.002A [D], 0.021A, , 0.021C, 0.021D, 0.021E, 9.013, 15.006)
B. No, structure not in a High Fire Area (Enables 8.002A [E])

SV007 Is the structure one of these multi-pole configurations?

A. H-Frame (Enables SV008, SV009)
B. Platform Rack (Enables SV008, SV009)
C. Other (Enables SV008, SV009)
A. No, not a multi-pole structure

SV008 How many poles does the structure contain? (Enabled by SV007 [A,B])

A. 2
B. 3
C. 4
D. 5

SV009 Record the structure numbers for the other poles that make up the structure (Enabled by SV007 [A,B])

A. Structure 1
B. Structure 2
C. Structure 3
D. Structure 4

SV010 What type of Steel pole is the structure? (Enabled by SV004 [C])

A. Light Weight Steel
B. Tubular Steel Pole

FOR REFERENCE ONLY

Take the following photos, vertically and no zoom

- ✓ Take a photo of the entire structure
- ✓ Take a photo of the TOP HALF of the structure
- ✓ Take a photo of the BOTTOM HALF of the structure
- ✓ Take a photo of the structure number

Take the following photos from the air

- ✓ Asset ID
- ✓ Full structure isometric
- ✓ Top-down (incudes cross arms)
- ✓ Diagonal of each phase starting from top down (4 angles minimum)
- ✓ Switching

Transmission Level

(Enabled by SV003 [B])

MAT_TRAN

Default material selection to EZ Pole equipment record from SAP:

T001 Were any conditions identified at the Transmission level that require immediate attention (e.g. Priority 1 notification)? (Enabled by SV003 [B])

A. Yes, issues requiring immediate attention were identified at the transmission level (Enables T002, T003)
B. No, issues requiring immediate attention were not identified at the transmission level

T002 What type of components or condition(s) at the transmission level require immediate attention? Select all that apply. (Enabled by T001 [A])

A. Vegetation (arcing, contact, signs of contact, or potential to contact energized conductors or equipment)
B. Crossarm (broken, damaged, burned or deteriorated)
C. Conductor (damage, inadequate clearances, signs of burn, tracking or arcing)
D. Insulator (loose, broken, damaged or missing)
E. Guy (damage, inadequate clearances, signs of burn, tracking or arcing)
F. Leaking oil from potheads (66kV or 115kV)
G. Excessive corrosion (loss of material or holes in equipment)
H. Other

T003 Confirm Transmission Operations was notified of conditions requiring immediate attention? (Enabled by T001 [A])

A. Yes, Transmission Operations was notified of issues requiring immediate attention

Primary Level
(Disabled by SV003 [E])

MAT_PRI Select all the equipment you see at the primary level:

A. Poles - Wood (Disabled by SV003 [E])
B. Poles – Composite (Disabled by SV003 [E])
C. Overhead Transformers (Enabled by SAP)
D. Overhead Capacitors (Enabled by SAP)
E. Crossarms – Wood (Disabled by SV003 [E,H,I])
F. Insulators (Disabled by SV003 [E,H,I])
G. Conductors – Primary (Disabled by SV003 [E,H,I])
H. Switches (Disabled by SV003 [E,H,I])
I. Reclosers, PE Gear, and Regulators, (Disabled by SV003 [E,H,I])
J. Hardware/Framing (Disabled by SV003 [E])
K. Span Guys (Disabled by SV003 [E])
L. Down Guys (Disabled by SV003 [E])
M. Risers/Terminations (Disabled by SV003 [E,H,I])
N. Poles – Tree (Disabled by SV003 [E])
O. Poles – Steel (Disabled by SV003 [E])
P. Crossarms – Composite (Disabled by SV003 [E,H,I])
Q. Crossarms - Steel (Disabled by SV003 [E,H,I])
R. Lightning Arresters (Disabled by SV003 [E,H,I])
S. Fuses (Disabled by SV003 [E,H,I])

POLES - WOOD (1.002)

1.002 **(AERIAL/GROUND)** Indicate if any of the following types of structural failure are observed at this level. Select all that apply or select "No abnormal conditions". (Disabled by SV003 [E])

A. Hole approximately > 2 inches near through bolt (Notification Required)
B. Three or more holes approximately >2 inch diameter, within approximately 18 inches vertical of a through bolt (Notification Required)
C. Exterior damage approximately >2 inch depth and approximately > 1/4 pole circumference (Notification Required)
D. Exterior damage approximately 1–2 inch depth and approximately > 1/4 pole circumference (Notification Required)
E. Top of pole damaged (Notification Required) (Disabled by SV002 [B])
F. No abnormal conditions

POLES - COMPOSITE (1.030)

OVERHEAD TRANSFORMERS (3.001, 3.002, 3.003, 3.004, 3.005, 3.006)

3.005 **(AERIAL/GROUND)** Are any of the following transformer conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])

A. Oil leakage (Enables 3.001)
B. Damage (damaged, missing or loose hardware, bushings or wire) or Operational issues (blown fuse, nests, swelling, burn marks, bare leads, humming, fault indicator) (Enables 3.002)
C. Rust/Corrosion (Enables 3.003)
D. No abnormal conditions

3.001 **(AERIAL/GROUND)** Indicate if any of the following signs of transformer oil leakage or weepage are observed. Select all that apply. (Enabled by 3.005 [A])

A. Excessive oil leakage, oil reaches ground or public access or environmentally sensitive area (Notification Required)
B. Minor leakage, oil remains on equipment, does not reach ground or public access or environmentally sensitive area (Notification Required)
C. Oil weepage indicated by oily film on tank surface

3.002 **(AERIAL/GROUND)** Indicate if transformer has any of the following conditions at the time of inspection. Select all that apply. (Enabled by 3.005 [B])

A. Hanger brackets damaged (Notification Required)
A. Scott brackets fiberglass pads present (Notification Required)
B. Visibly loose hardware (Notification Required)
C. Secondary leads in contact with the case (Notification Required)
D. Blown fuse (Notification Required)
E. Improperly connected (loose) wire (Notification Required)
F. In contact with animal nest (Notification Required)
G. One fuse is open/down (Notification Required)
H. Bushings damaged (Notification Required)
I. Signs of burn (Notification Required)
J. Signs of swelling (Notification Required)
K. Red flag fault indicator is visible
L. Secondary leads are bare
M. Transformers are humming (Disabled by SV002 [C])
N. Platform damaged (Notification Required) (Enabled by SV007 [B])

3.003 Is the transformer showing any of the following signs of rust or corrosion? (Enabled by 3.005 [C])

A. Rust or corrosion compromising equipment integrity (Notification Required)
B. Light surface rust or corrosion

3.004 **(AERIAL/GROUND)** Are animal guards installed, intact, and adequately covering the transformer? (Disabled by SV003 [E,H,I])

A. Yes, transformer animal guards are installed, intact, and adequately covering (Enables by 3.006)
B. No, transformer animal guards not installed, intact, or adequately covering

3.006 (AERIAL/GROUND) Are there any foreign objects inside transformer animal guards? (Enabled by 3.004 [A])
A. Yes, foreign objects are inside the transformer animal guards (Notification Required)
B. No, foreign objects are not inside the transformer animal guard

OVERHEAD CAPACITORS (0.014D, 4.001, 4.002. 4.004, 4.006)

0.014D How many overhead capacitor banks are installed on this structure? (Disabled by SV003 [E,H,I])
*NOTE: Only count entire **capacitor bank** and **NOT** individual capacitor units.*
A. Answer choices will be 1, 2, 3

4.004 (AERIAL/GROUND) Are any of the following capacitor conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])
A. Damage (damaged, missing or loose unit, controller, switch, PT transformer, bushing, hardware or wire) or Operational Issues (switch malfunction, blown fuses, nests, swelling, burn marks, bare leads, humming) (Enables 4.001)
B. Oil leakage (Enables 4.002, 4.006)
C. Single phase condition (Enables 4.001)
D. No abnormal conditions

4.001 (AERIAL/GROUND) Indicate if any capacitor bank, or associated equipment, shows any of the following conditions. Select all that apply. (Enabled by 4.004 [A])
A. Ruptured or severely bulged capacitor units (Notification Required)
B. Capacitor rack/unit(s) severely corroded/damaged or not functioning (Notification Required)
C. Capacitor switches not secure, severely corroded/damaged or not functioning (Notification Required)
D. Capacitor controller missing or damaged (Notification Required)
E. Single phase condition due to blown capacitor fuse(s); e.g., one or two fuses operated hanging down on a bank (Notification Required)
F. All capacitor fuses blown; e.g. three fuses operated hanging down. (Notification Required)

G. Bushings damaged (Notification Required)
H. Improperly Connected (loose/signs of arcing) Wire (Notification Required)
I. PT Transformer damaged, blown fuse, or severely rusted/corroded (Notification Required)
J. In contact with animal nest (Notification Required)
K. Capacitor is humming (Disabled by SV002 [C])

4.006 (AERIAL/GROUND) Indicate what component of the capacitor has oil leakage or weepage. Select all that apply. (Enabled by 4.004 [B])
A. Capacitor switch (Notification Required)
B. Potential transformer (Notification Required)
C. Capacitor tank (Notification Required)

4.002 Indicate if any of the following types of capacitor bank oil leakage or weepage are observed. Select all that apply (Enabled by 4.004 [B])

A. Capacitor units leaking, oil reaches ground or public access or environmentally sensitive area (Notification Required)
B. Minor leakage, oil remains on equipment, does not reach ground or public access or environmentally sensitive area (Notification Required)
C. Oil weepage indicated by oily film on capacitor unit surface (not capacitor switches)

CROSSARMS - WOOD (0.014H, 0.014J, 0.014K, 2.003A, 2.003C, 2.004A, 2.005B, 2.006A, 2.003B, 2.006B, 2.008, 2.011)

0.014H How many total single crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: Count all crossarms of this material type at this level – including fuse-holder arms, transformer hanger arms, etc.
NOTE: A single crossarm is when only one crossarm piece exists at a specific elevation on the pole.

A. Answer choices will be 0-20

0.014J How many total sets of double crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: Count all crossarms of this material type at this level – including fuse-holder arms, transformer hanger arms, etc.
NOTE: A double crossarm is when two crossarm pieces exist in a parallel orientation at the same elevation on the pole.

A. Answer choices will be 0-20

0.014K How many total sets of triple crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: Count all crossarms of this material type at this level – including fuse-holder arms, transformer hanger arms, etc.
NOTE: A triple crossarm is when three crossarms pieces exist in a parallel orientation at the same elevation on the pole.

A. Answer choices will be 0-20

2.008 (AERIAL/GROUND) Are any of the following primary wood crossarm conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])

A. Bowing/twisting (Enables 2.003A, 2.003B)
B. Deterioration (woodpecker, canoeing, etc.) (Enables 2.003C)
C. Canting (Enables 2.004A)
D. Visual tracking, charring, or burn marks (Enables 2.005B)
E. Damaged V-braces, flat brace or other brackets (Enables 2.006A, 2.006B)
F. Damaged bonding wire under crossarm for 12kV and higher (Notification Required, unless crossarm will need replacement due to a different issue)

G. Missing bonding wire under crossarm for 12kV and higher (Notification Required, unless crossarm will need replacement due to a different issue)
H. Damaged/Split/Cracked (Enables 2.011)
I. No abnormal conditions

2.003A How many primary wood crossarms are bowed/twisted and need to be replaced? (Enabled by 2.008 [A])
A. Answer choices will be 1-20 (Notification Required)

2.003B Are any primary wood crossarms showing any of the following signs of bowing/twisting and need to be replaced? Select all that apply (Enabled by 2.008 [A])
A. Crossarm bowed approximately >5 inches and splintering (Notification Required)
B. Crossarm bowed approximately >5 inches without splintering (Notification Required)
C. Significant damage at a bolt (Notification Required)

2.003C How many primary wood crossarms are deteriorated and need to be replaced? (Enabled by 2.008 [B])
A. Answer choices will be 1-20 (Notification Required)

2.004A How many primary wood crossarms are canted and need to be replaced? (Enabled by 2.008 [C])
A. Answer choices will be 1-20 (Notification Required)

2.005B How many primary wood crossarms have **visual tracking, charring, or burn marks** and need to be replaced? (Enabled by 2.008 [D])
A. Answer choices will be 1-20 (Notification Required)

2.006A How many primary wood crossarms have damaged braces and need to be replaced? (Enabled by 2.008 [E])
A. Answer choices will be 1-20 (Notification Required)

2.006B Do any primary wood crossarms have any of the following brace damage and need to be replaced? Select all that apply. (Enabled by 2.008 [E])
A. Braces broken (Notification Required)
B. Braces loose (Notification Required)
C. Braces missing (Notification Required)
D. Excessive brace corrosion (Notification Required)

2.011 How many primary wood crossarms are physically damaged, split or cracked and need to be replaced? (Enabled by 2.008 [H])
A. Answer choices will be 1-20 (Notification Required)

CROSSARMS - COMPOSITE (0.014H, 0.014J, 0.014K, 7.003C, 7.002A, 7.002B, 7.004A, 7.006, 7.008, 7.009, 7.010)

0.014H How many total single crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])

NOTE: Count all crossarms of this material type at this level – including fuse-holder arms, transformer hanger arms, etc.
NOTE: A single crossarm is when only one crossarms piece exists at a specific elevation on the pole.

A. Answer choices will be 0-20

0.014J How many total sets of double crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: Count all crossarms of this material type at this level – including fuse-holder arms, transformer hanger arms, etc.
NOTE: A double crossarm is when two crossarm pieces exist in a parallel orientation at the same elevation on the pole.

A. Answer choices will be 0-20

0.014K How many total sets of triple crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: Count all crossarms of this material type at this level – including fuse-holder arms, transformer hanger arms, etc.
NOTE: A triple crossarm is when three crossarms pieces exist in a parallel orientation at the same elevation on the pole.

A. Answer choices will be 0-20

7.006 (AERIAL/GROUND) Are any of the following primary composite crossarm conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])

A. Deterioration (fiber blooming, exposed fiberglass, etc.) (Enables 2.003C)
B. Bending/Bowing/Twisting (Enables 7.002A, 7.002B)
C. Damage (Enables 7.004A)
D. Damaged bonding wire under crossarm for 12kV and higher (Notification, unless crossarm will need replacement due to a different issue)
E. Missing bonding wire under crossarm for 12kV and higher (Notification, unless crossarm will need replacement due to a different issue)
F. Canting (Enables 7.007)
G. Bracket damage (Enables 7.008)
H. Visual tracking, charring, or burn marks (Enables 7.009)
I. No abnormal conditions

7.003C How many primary composite crossarms are deteriorated and need to be replaced? Enabled by 7.006 [A])

A. Answer choices will be 1-20 (Notification Required)

7.002A How many primary composite crossarms show signs of bending/bowing/twisting and need to be replaced? (Enabled by 7.006 [B])

A. Answer choices will be 1-20 (Notification Required)

7.002B Do any primary composite crossarms have any of the following conditions of bending/bowing/twisting and need to be replaced? Select all that apply (Enabled by 7.006 [B])

A. Visual fracturing (Notification Required)
B. Significant visual buckling (Notification Required)

C. Significantly unbalanced due to tension (Notification Required)
D. Bent mounting bracket and associated hardware (Notification Required)

7.004A How many primary composite crossarms are physically damaged and need to be replaced? (Enabled by 7.006 [C])

A. Answer choices will be 1-20 (Notification Required)

7.008 How many primary composite crossarms at this level are canting and need to be replaced? (Enabled by 7.006 [F])

A. Answer choices will be 1-20 (Notification Required)

7.009 How many primary composite crossarms have bracket damage and need to be replaced? (Enabled by 7.006 [G])

A. Answer choices will be 1-20 (Notification Required)

7.010 How many primary composite crossarms have visual tracking, charring or burn marks and need to be replaced? (Enabled by 7.006 [H])

A. Answer choices will be 1-20 (Notification Required)

CROSSARMS – STEEL (0.014H, 0.014J, 0.014K, 2.003H, 2.003D, 2.005D, 2.009, 2.012, 2.013)

0.014H How many total single crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])

NOTE: Count all crossarms of this material type at this level – including fuse-holder arms, transformer hanger arms, etc.

NOTE: A single crossarm is when only one crossarms piece exists at a specific elevation on the pole.

A. Answer choices will be 0-20

0.014J How many total sets of double crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])

NOTE: Count all crossarms of this material type at this level – including fuse-holder arms, transformer hanger arms, etc.

NOTE: A double crossarm is when two crossarm pieces exist in a parallel orientation at the same elevation on the pole.

B. Answer choices will be 0-20

0.014K How many total sets of triple crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])

NOTE: Count all crossarms of this material type at this level – including fuse-holder arms, transformer hanger arms, etc.

NOTE: A triple crossarm is when three crossarms pieces exist in a parallel orientation at the same elevation on the pole.

A. Answer choices will be 0-20

2.009 (AERIAL/GROUND) Are any of the following steel crossarm conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])

A. Bending/Bowing/Twisting (Enables 2.003H)
B. Excessive Rusting/Corrosion (Enables 2.003D)
C. Visual tracking, charring, or burn marks (Enables 2.005D)
D. Canting (Enables 2.012)
E. Bracket damage (Enables 2.013)
F. No abnormal conditions

2.003H How many primary steel crossarms are bowed/twisted and need to be replaced? (Enabled by 2.009 [A])
A. Answer choices will be 1-20 (Notification Required)

2.003D How many primary steel crossarms are excessively rusted or corroded and need to be replaced? (Enabled by 2.009 [B])
A. Answer choices will be 1-20 (Notification Required)

2.005D How many primary steel crossarms have visual tracking, charring or burn marks and need to be replaced? (Enabled by 2.009 [C])
A. Answer choices will be 1-20 (Notification Required)

2.012 How many primary steel crossarms are canting and need to be replaced? (Enabled by 2.009 [D])
A. Answer choices will be 1-20 (Notification Required)

2.013 How many primary steel crossarms have bracket damage and need to be replaced? (Enabled by 2.009 [E])
A. Answer choices will be 1-20 (Notification Required)

INSULATORS (0.014A, 6.001, 6.003, 6.005, 6.006, 6.007)

0.014A How many primary insulators are installed? (Disabled by SV003 [E,H,I])
NOTE: Dead-end insulators count as 1; Count primary polymer insulators if applicable, count 3 phase bank delta insulators and/or all primary tap supporting insulators.
A. Answer choices will be 1-30

6.001 What types of primary insulators are installed? Select all that apply. (Disabled by SV003 [E,H,I])
A. Porcelain suspension or dead-end
B. Armless construction
C. Polymer dead-end
D. Porcelain pin and insulator
E. Polymer universal vise-top (UFOs) pin and insulator (i.e. conductor offset from center)
F. Polymer insert specific vise-top pin and insulator (e.g. Hendrix)
G. Porcelain post-type insulator (e.g. tie top, trunnion)
H. Polymer post-type insulator (e.g. C-clamp, trunnion)
I. Other

6.006 (AERIAL/GROUND) Are any of the following primary insulator conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])
A. Missing/loose parts (nuts, bolts, etc.) (Notification Required)

B. Insulator damage (broken, cracked, loose, floating, squatting, chipped, melted), Tie wire damaged, missing, loose), Upward strain, Arcing Marks (Enables 6.003)
C. Top/Side tie insulator touching crossarm (Notification Required)
D. Sheer ring not torqued off (Notification Required)
E. No abnormal conditions

6.003 (AERIAL/GROUND) Indicate if any of the following types of damage are observed on any portion of any primary insulator, or its associated hardware. Select all that apply. (Enabled by 6.006 [B])
A. Insulator broken (Notification Required)
B. Insulator cracked, damaged or loose (Notification Required)
C. Insulator floating (Notification Required)
D. Insulator squatting (Notification Required)
E. Tie wire broken/missing/damaged or loose (Notification Required)
F. Upward strain (lift) on pin in tangent configuration (Notification Required)
G. Insulator chipped (Notification Required)
H. Improper angle on pin insulator (Notification Required)
I. Signs of arc flash (Notification Required)
J. Melted (Notification Required)

6.005 Do the primary insulators connect to the structure using a hook? (Disabled by SV003 [E,H,I])
A. Yes, primary insulators connect with a hook (Notification Required)
B. No, primary insulators do not connect with a hook

6.007 Is there visible wear on the hook or structure where it attaches? (Enabled by 6.005 [A])
A. Yes, visible wear on the hook or structure exists (Notification Required)
B. No, visible wear on the hook or structure does not exist

CONDUCTORS - PRIMARY (0.014B, 0.016, 0.026A, 0.026B, 0.021D, 8.009, 8.006, 8.011, 8.012, 8.013, 8.015, 8.008, 8.001, 8.002A, 8.002B, 8.016, 8.010, 8.017, 8.018, 8.019, 8.020, 8.021, 8.022, 8.023, 8.024, 8.025)

0.014B How many primary line/high side conductors are installed? (Disabled by SV003 [E,H,I])
*NOTE: This is **NOT** load-side primary. **DO NOT COUNT** buck arm primary or primary fed from same circuit/tap-line – only different circuits/voltages.*
A. Answer choices will be 1-20

0.016 What is the clearance between trees/foliage and primary conductors? (Disabled by SV003 [E,H,I])
A. 2 feet or less (Notification Required)
B. Between 2 feet and 6 feet (Notification Required)
C. 6 feet to 10 feet
D. Greater than 10 feet
E. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

0.026A Is the primary circuit horizontal or vertical construction? (Disabled by SV003 [E,H,I])
NOTE: If a double circuit and/or both types of construction exist on the pole, select both options.

On multi-arm and triangular construction, only select "Vertical" if primary conductors roll/transpose mid-span; otherwise select "Horizontal".

A. Horizontal construction
B. Vertical construction

0.026B Is there any indication of the primary conductor rolling/transposing from vertical-to-horizontal or horizontal-to-vertical? (Disabled by SV003 [E,H,I])

A. Yes, conductor is rolling/transposing and clearance between conductors appears to be greater than 12 inches
B. Yes, conductor is rolling/transposing and clearance between conductors appears to be less than 12 inches (Notification Required)
C. No, conductor not rolling/transposing

0.021D (AERIAL/GROUND) Indicate if any of the following types of non-exempt CONNECTOR material are present at this level. Select all that apply or select Non-exempt connector not present. (Enabled by SV006 [A])

A. Split bolt connector (Enables 0.022)
B. Copper vise connector (Enables 0.022)
C. No non-exempt connector present

8.009 What type(s) of primary conductors are installed? Select all that apply. (Disabled by SV003 [E,H,I])
NOTE: Only select primary conductor and NOT taps/jumpers. Covered is tree wire. Aerial cable is bundled cable.

A. Covered (Enables 8.010, 8.015, 8.017, 8.018, 8.021, 8.026)
B. Copper
C. Aluminum
D. Aerial cable (Enables 8.024)

8.006 Which of the following estimated sizes of primary conductors are on the span? Select all that apply. (Disabled by SV003 [E,H,I])
NOTE: Only select primary conductor/phase sizes and NOT taps/jumpers.

A. #4 Aluminum
B. 1/0 Aluminum
C. #2 Aluminum
D. 336 Aluminum
E. 653 Aluminum
F. 4/0 Aluminum
G. 4/0 Copper
H. 2/0 Copper
I. #2 Copper
J. #4 Copper
K. #6 Copper
L. One or more conductors are sizes not listed

8.019 Are there any splices on the conductors? (Disabled by SV003 [E,H,I])
NOTE: Check all conductors in all directions from pole to mid-span.

A. Yes, splices exist (Enables 8.011, 8.012, 8.013,)
B. No, splices do not exist

8.011 How many automatic (bump) splices are in the primary level? (Enabled by 8.019 [A])
NOTE: Count all splices in all directions from pole to mid-span.
A. Answer choices will be 0-20

8.012 How many preform splices are in the primary level? (Enabled by 8.019 [A])
NOTE: Count all splices in all directions from pole to mid-span.
A. Answer choices will be 0-20

8.013 How many compression splices are in the primary level? (Enabled by 8.019 [A])
NOTE: Count all splices in all directions from pole to mid-span.
A. Answer choices will be 0-20

8.008 For slack spans only – Do ALL slack spans in ALL directions have primary conductor spacers? (Disabled by SV003 [E,H,I])
NOTE: If one slack span has line spacers and the other does not, select "No"
A. Yes, all slack spans have spacers
B. No, all slack spans do not have spacers
C. No slack span present

8.020 (AERIAL/GROUND) Are any of the following primary conductor conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])
A. Metal or Non-Metal Debris (Enables 8.001)
B. Clearance issues with vegetation (Enables 8.002A)
C. Clearance issues with structures (Enables 8.002B)
D. Clearance issues with guy wires, conductors or equipment (Enables 8.016)
E. Damage (Notification Required)
F. Visible oxidation - Excluding Patina (Notification Required)
G. No abnormal conditions

8.001 (AERIAL/GROUND) Indicate if any of the following types of foreign objects are observed. Select all that apply. (Enabled by 8.020 [A])
A. Metal debris in conductors (Notification Required)
B. Non-metal debris in conductors

8.002A (AERIAL/GROUND) Are there inadequate vegetation clearances observed? Select all that apply. (Enabled by 8.020 [B])
A. Vegetation arcing or in contact with energized conductor (Notification Required)
B. Immediate danger concerning palm fronds falling or blowing into conductors (Notification Required)
C. Vines, branches or foliage presenting an overhang or other imminent threat (Notification Required)
D. Tree with potential to have less than 4 feet of clearance during wind events (Enabled by question SV006 [A])
E. Tree with potential to have less than 1.5 feet of clearance during wind events (Enabled by question SV006 [B])
F. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by question SV001 [B])

G. Tree condition causing significant strain and/or visible abrasion damage – with aerial bundled cable (Notification Required)

8.002B **(AERIAL/GROUND)** Are there estimated inadequate clearance distances between energized conductors and other structures observed? Select all that apply (Enabled by 8.020 [C])

A. Conductor located above a building, and is vertically less than 12 feet from top surface of - building (commonly roof) (Notification Required)
B. Conductor NOT located above building, but is vertically is less than 12 feet from top surface of building (commonly roof) (Notification Required)
C. Less than 6 feet horizontally between conductor and any surface of a building (Notification Required)
D. Less than 6 feet radially between conductor and non-climbable pole (e.g. streetlight) (Notification Required)

8.016 **(AERIAL/GROUND)** Indicate if any of the following types of primary conductor clearance issues exist. Select all that apply. (Enabled by 8.020 [D])

A. Excessively sagging or slack primary conductor (Notification Required)
B. Inadequate clearance with span/down guy (Notification Required)
C. Inadequate clearance with bare secondary conductor (Notification Required)
D. Inadequate clearance with primary conductors (Notification Required)
E. Inadequate clearance with apparatus equipment or objects (Notification Required)

8.010 **(AERIAL/GROUND)** For covered conductor, are there visible signs of tracking or damage on the jacket? (Enabled by 8.009 [A])

A. Burning (Notification Required)
B. Tracking (Notification Required)
C. Bulging (Notification Required)
D. Cracking (Notification Required)
E. Other Damage (Notification Required)
F. No damage observed (Put logic to block if Inspectors select A-E)

8.015 For covered conductor, indicate if any of the following wildlife covers are missing or inadequately installed. Select all that apply. (Enabled by 8.009 [A])

A. Dead-end cover (Notification Required)
B. Bare Tap cover (Notification Required)
C. Connector cover (Notification Required)
D. Fuse cover (Notification Required)
E. Lightning arrester cover (Notification Required)
F. Equipment bushing cover (Notification Required)
G. Pothead cover (Notification Required)
H. All covers installed adequately

8.017 For covered conductor, are lightning arresters installed on structures containing the following equipment: RAR, RSR, Capacitors, Voltage Regulators, PTs associated with RSCs and PE equipment, Transformers, BLFs, and UG Dips? (Enabled by 8.009 [A], A.
A. No, lightning arresters are not installed on covered conductor circuit with RAR, RSR,Capacitors, Voltage Regulators, PTs associated with RSCs and PE equipment, Transformers, BLFs, and UG Dips (Notification Required)
B. Yes, lightning arresters are installed on covered conductor circuit with RAR, RSR, Capacitors, Voltage Regulators, PTs associated with RSCs and PE equipment, Transformers, BLFs, and UG Dips
C. No primary equipment present

8.021 Are jumper wires present -? (Enabled by 8.009 [A])
A. Yes (Enables 8.018, 8.022, 8.023, 8.025)
No

8.018 For covered conductor circuit line connections (excludes connections to equipment), what jumper is used? (8.021 [A])
A. PGW (Notification Required)
B. Bare wire (Notification Required)
C. Covered conductor
D. Wire with split tube
E. The covered conductor circuit does not have any jumpers

8.022 (AERIAL/GROUND)
Are jumper wires adequately separated and supported to avoid contact during high wind events? (Enabled by 8.021 [A])
A. Yes, jumpers are adequately separated and supported
B. No, jumpers are not adequately separated and supported (Notification Required)

8.023 Are jumper wires attached to the tail at the dead end? (Enabled by 8.021 [A])
A. Yes, jumper wires are attached to the tail at the dead end
B. No, jumper wires are not attached to the tail at the dead end

8.025 Are all dead ended conductor tails oriented in the same direction as the jumper wires?(Enabled by 8.021 [A])
A. Yes
B. No

8.024 Is the aerial cable messenger attached to an insulator at the structure? (Enabled by 8.009 [D])
A. Yes, aerial cable messenger is attached to an insulator
B. No, aerial cable messenger is not attached to an insulator (Notification Required)

8.026 Are vibration dampers installed on all covered conductor spans? (Enabled by 8.009 [A])
A. Yes, vibration dampers are installed
B. No, vibration dampers not installed

SWITCHES (0.021A, 10.011, 10.012, 10.013, 10.014)

0.021A Indicate if any of the following types of non-exempt SWITCH material are present on the pole. Select all that apply or select Non-exempt switch not present.(Enabled by SV006 [A])

A. Grasshopper air switch (Enables 0.022)
B. Single blade disconnected NOT in conjunction with reclosers or regulators (Enables 0.022)
C. In-line disconnect (Enables 0.022)
D. Alduti Rupter® (Enables 0.022)
E. OMNI R4® (Enables 0.022)
F. No non-exempt switch present

10.011 (AERIAL/GROUND) Which switch type is present? Select all that apply.

A. Omni-Rupter®
B. Alduti-Rupter ®
C. Tilting Insulator (Grasshopper)
D. KPF
E. Hookstick Operated Single Blade Disconnect
F. Cannot Determine

10.012 (AERIAL/GROUND) Switch construction type?

A. Vertical
B. Horizontal
C. Triangle

10.013 (AERIAL/GROUND) What abnormal external conditions are observed with this switch?

A. Foreign Objects present– (i.e. Mylar Balloon, Animal Nest, Windblown Debris, Shoes, etc.) (Notification Required)
B. Vegetation Encroachment (Notification Required)
C. No abnormal external conditions

10.014 (AERIAL/GROUND) What abnormal switch conditions are observed? Select all that apply.

A. INTERRUPTER CARTRIDGES (when present)- Any cartridge missing, bent, damaged, charred, melted, or missing end caps (Notification Required)
B. CLOSED SWITCH BLADE -Blade(s) not properly seated, visual (Notification Required)
C. OPEN/CLOSED SWITCH BLADE tracking, charring, or melting (Notification Required)
D. OPEN SWITCH BLADE – Blade not fully open, and/or visual tracking, charring, or melting, and/or missing or damaged tip parts (Notification Required)
E. INTERPHASE ROD (horizontal switches) - Bending, bowing, or abnormal twisting (Notification Required)
F. VERTICAL OPERATING ROD - Excessively bowed or damaged, missing or loose couplers or rod guides (Notification Required)
G. MANUAL HANDLE (when present) - Damaged, missing lock or whole unit loose on pole (Notification Required)

H. AUTOMATIC CONTROL BOX (when present) - Damaged, missing lock or whole unit loose on pole (Notification Required)
I. INSULATORS - Visual tracking, charring, or excessive contamination (Notification Required)
J. BELL CRANK(S) – loose, and/or rotated with respect to crossarm, and/or not in toggle when switch closed (Notification Required)
K. INDIVIDUAL SWITCH PHASE UNITS – loose, and/or rotated with respect to crossarm (Notification Required)
L. ANIMAL GUARDS and/or JUMPER WIRE COVER- damaged (Notification Required)
M. ANIMAL GUARDS and/or JUMPER WIRE COVER- missing
N. CROSSARM(S) – Warped/cracked, tilted excessively, rotated excessively, and/or visual tracking, charring, and/or burn marks present (Notification Required)
O. CONNECTORS – charring or melting (Notification Required)
P.. No abnormal switch conditions
Q. Cannot Determine (Unable to Access or Visual Obstruction)

RECLOSERS, PE GEAR, AND REGULATORS (10.007)

10.007 (AERIAL/GROUND) Are any of the following apparatus equipment conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])

A. Animal guards missing
B. Animal guards damaged (Notification Required)
C. Excessive oil leaking and reaching ground, public access, or environmentally sensitive area (Notification Required)
D. Minor leakage, oil remains on equipment, does not reach ground, public access, or environmentally sensitive area (Notification Required)
E. Vegetation interfering with operation of apparatus equipment (Notification Required) (Disabled by SV001 [B])
F. No abnormal conditions

HARDWARE/FRAMING (11.004)

11.004 **(AERIAL/GROUND)** Are any of the following primary hardware/framing conditions observed? Select all that apply. (Disabled by SV003 [E])

A. Corroded, missing, broken or bending hardware (Notification Required)
B. **Visual tracking, charring, or burn marks** (Notification Required)
C. Damaged equipment brackets or braces (Notification Required)
D. No abnormal conditions

SPAN GUYS (0.014E, 12.002, 12.004)

0.014E How many span guys are installed at this level? (Disabled by SV003 [E])

A. Answer choices will be 1-10

12.004 Are any of the following span guy conditions observed? Select all that apply. (Disabled by SV003 [E])

A. Cracked, damaged, deflected, frayed or loose (Notification Required)

B. Sagging or extreme slack (Notification Required)
C. Inadequate clearance with energized components, non-energized components, or communication facilities (Enables 12.002)
D. Signs of contact between guy wire and conductors (arcing marks) (Notification Required)
E. No abnormal conditions

12.002 Is there inadequate clearance between span guy and any of the following? Select all that apply. (Enabled by 12.004 [C])
A. SCE energized components (Notification Required)
B. SCE non-energized electrical components (Notification Required)
C. Communication facilities

DOWN GUYS (13.001B, 13.016, 13.017)

13.001B Are there signs of contact between primary guy wire and conductors (arcing marks)? (Disabled by SV003 [E])
A. Yes, signs of contact between primary guy wire and conductors exist (Notification Required)
B. No, signs of contact between primary guy wire and conductors do not exist

13.016 What types of guy wire attachments are present on primary guy wire? Select all that apply.
A. Automatic / Bump
B. Pre-Form
C. Fiberglass strain insulator
D. Porcelain strain insulator
E. 2-Bolt
F. 3-Bolt
G. Choker
H. Other

RISERS/TERMINATIONS (14.002, 14.004)

14.004 (AERIAL/GROUND) Are any of the following Riser/Pothead conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])
A. Damage/Discoloration (Notification Required)
B. Pothead not properly secured, leaking, swollen, sparking, arcing, noisy, insulator broken, in contact with nest (Enables 14.002)
C. No abnormal conditions

14.002 (AERIAL/GROUND) Indicate if the Pothead shows signs of any of the following conditions in the primary level. Select all that apply. (Enabled by 14.004 [B])
A. Pothead not properly attached to supporting structure (Notification Required)
B. Pothead leaking (Notification Required)

C. Pothead sparking, arcing, or noisy during normal 'dry' weather conditions (Notification Required)
D. Pothead swollen (Notification Required)
E. Porcelain pothead insulators chipped or broken (Notification Required)
F. In contact with animal nest (Notification Required)

LIGHTNING ARRESTERS (0.014G, 16.001, 0.021C)

0.014G How many surge arrester/lightning arresters are installed on this structure? (Disabled by SV003 [E,H,I])
A. Answer choices will be 1-10

16.001 Has the ground lead disconnected or any arrester operated? (Disabled by SV003 [E,H,I])
A. Yes, arrester ground lead disconnected or operated (Notification Required)
B. No, arrester ground lead not disconnected or operated

0.021C Indicate if any of the following types of non-exempt ARRESTER material are present on the pole. Select all that apply or select Non-exempt arrester not present. (Enabled by SV006 [A])
A. Porcelain surge arrester/Lightning arrester (Enables 0.022)
B. Non-porcelain lightning arrester (Enables 0.022)
C. No non-exempt arrester present

FUSES (11.002, 11.006, 11.008)

11.006 Select all fuse types observed in the inspection (Disabled by SV003 [E,H,I])
A. Current Limiting Fuse – (ELF, Fault Tamer, X-Limiter, K-Mate) (Cal Fire Exempt)
B. SMU20 (Cal Fire Exempt)
C. Fuse Link (Non-exempt) (Enables 0.022)
D. Enclosed/box cutout Universal Fuse (Non-exempt) (Enables 0.022)
E. Liquid fuse (Cal Fire Exempt) (Enables 11.008)

11.008 (AERIAL/GROUND) Have any liquid fuse liquid levels dropped more than 1 inch below the bottom of the upper ferrule? (Enabled by Question 11.006 [H]) (Disabled by SV003 [E,H,I])
A. Yes, liquid fuse liquid levels are low (Notification Required)
B. No, liquid fuse liquid levels are not low

11.002 (AERIAL/GROUND) Are any fuse holders burned or tracking? (Disabled by SV003 [E,H,I])
A. Yes, fuse holders burned or tracking (Notification Required)
B. No, fuse holders not burned or tracking

Secondary Level

MAT_SEC Select all the equipment you see at the secondary level:

A. Poles – Wood (Disabled by SV003 [E])
B. Poles – Composite (Disabled by SV003 [E])
C. Poles – Tree (Disabled by SV003 [E])
D. Poles – Steel (Disabled by SV003 [E])
E. Crossarms – Wood (Disabled by SV003 [H,I])
F. Crossarms – Composite (Disabled by SV003 [E,H,I])
G. Insulators (Disabled by SV003 [H,I])
H. Conductors - Secondary (Disabled by SV003 [H,I])
I. Reclosers, PE Gear, and Regulators (Disabled by SV003 [E,H,I])
J. Hardware/Framing
K. Span Guys
L. Down Guys
M. Risers/Terminations (Disabled by SV003 [H,I])
N. Service Drops (Disabled by SV003 [E,H,I])
O. Crossarms – Steel (Disabled by SV003 [E,H,I])
P. Streetlight Only Pole – Concrete (Enabled by SV004 [E])
Q. Streetlight Only Pole – Wood (Enabled by SV004 [F])
R. Streetlight Only Pole – Steel (Enabled by SV004 [G])
S. Streetlight (Disabled by SV003 [H,I])

POLES - WOOD (1.002)

1.002 (AERIAL/GROUND) Indicate if any of the following types of structural failure are observed at this level. Select all that apply or select "No abnormal conditions". (Disabled by SV003 [E])

A. Hole approximately > 2 inches near through bolt (Notification Required)
B. Three or more holes approximately >2 inch diameter, within approximately 18 inches vertical of a through bolt (Notification Required)
C. Exterior damage approximately >2 inch depth and approximately > 1/4 pole circumference (Notification Required)
D. Exterior damage approximately 1–2 inch depth and approximately > 1/4 pole circumference (Notification Required)
E. No abnormal conditions

STREETLIGHT ONLY POLES - WOOD (1.002)

1.002 (AERIAL/GROUND) Indicate if any of the following types of structural failure are observed at this level. Select all that apply or select "No abnormal conditions".

A. Hole approximately > 2 inches near through bolt (Notification Required)
B. Three or more holes approximately >2 inch diameter, within approximately 18 inches vertical of a through bolt (Notification Required)

C. Exterior damage approximately >2 inch depth and approximately > 1/4 pole circumference (Notification Required)
D. Exterior damage approximately 1–2 inch depth and approximately > 1/4 pole circumference (Notification Required)
E. Top of pole damaged (Notification Required) (Disabled by SV002 [B]) (Enabled by SV005 [B] if SV005 [A] is not selected)
F. No abnormal conditions

Streetlight Pole Problem statement: REPLC DAMAGE PUBLIC STLTPOLE

CROSSARMS - WOOD (0.014L, 0.014M, 0.014N, 2.003E, 2.003G, 2.004B, 2.005C, 2.006C, 2.003F, 2.006D, 2.010, 2.014)

0.014L How many total single crossarms of this material type are at this level? (Disabled by SV003 [H,I])
NOTE: A single crossarm is when only one crossarms piece exists at a specific elevation on the pole.
A. Answer choices will be 0-20

0.014M How many total sets of double crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: A double crossarm is when two crossarm pieces exist in a parallel orientation at the same elevation on the pole.
A. Answer choices will be 0-20

0.014N How many total sets of triple crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: A triple crossarm is when three crossarms pieces exist in a parallel orientation at the same elevation on the pole.
A. Answer choices will be 0-20

2.010 **(AERIAL/GROUND)** Are any of the following secondary wood crossarm conditions observed? Select all that apply. (Disabled by SV003 [H,I])
A. Bowing/Bending/Twisting (Enables 2.003E, 2.003F)
B. Deterioration **(woodpecker, canoeing, etc.)** (Enables 2.003G)
C. Canting (Enables 2.004B)
D. Visual tracking, charring, or burn marks (Enables 2.005C)
E. Damaged V-braces, flat brace or other brackets (Enables 2.006C, 2.006D)
F. Damaged/Split/Cracked (Enables 2.014)
G. No abnormal conditions

2.003E How many secondary wood crossarms are bowed/twisted and need to be replaced? (Enabled by 2.010 [A])
A. Answer choices will be 1-20 (Notification Required)

2.003F Are any secondary wood crossarms showing any of the following signs of bowing/twisting and need to be replaced? Select all that apply. (Enabled by 2.010 [A])
A. Crossarm bowed approximately >5 inches and splintering (Notification Required)

B. Crossarm bowed approximately >5 inches without splintering (Notification Required)
C. Significant damage at a bolt (Notification Required)

2.003G How many secondary wood crossarms are deteriorated and need to be replaced? (Enabled by 2.010 [B])
A. Answer choices will be 1-20 (Notification Required)

2.004B How many secondary wood crossarms are canted and need to be replaced? (Enabled by 2.010 [C])
A. Answer choices will be 1-20 (Notification Required)

2.005C How many secondary wood crossarms have **visual tracking, charring, or burn marks** and need to be replaced? (Enabled by 2.010 [D])
A. Answer choices will be 1-20 (Notification Required)

2.006C How many secondary wood crossarms have damaged braces and need to be replaced? (Enabled by 2.010 [E])
A. Answer choices will be 1-20 (Notification Required)

2.006D Do any secondary wood crossarms have any of the following brace damage and need to be replaced? (Enabled by 2.010 [E])
Select all that apply.
A. Braces broken (Notification Required)
B. Braces loose (Notification Required)
C. Braces missing (Notification Required)
D. Excessive brace corrosion (Notification Required)

2.014 How many secondary wood crossarms are physically damaged, split or cracked and need to be replaced? (Enabled by 2.010 [F])
A. Answer choices will be 1-20 (Notification Required)

CROSSARMS - COMPOSITE (0.014L, 0.014M, 0.014N, 7.003D, 7.002C, 7.002D, 7.004B, 7.007)

0.014L How many total single crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: A single crossarm is when only one crossarms piece exists at a specific elevation on the pole.
A. Answer choices will be 0-20

0.014M How many total sets of double crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: A double crossarm is when two crossarm pieces exist in a parallel orientation at the same elevation on the pole.
A. Answer choices will be 0-20

0.014N How many total sets of triple crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])

NOTE: A triple crossarm is when three crossarm pieces exist in a parallel orientation at the same elevation on the pole.

A. Answer choices will be 0-20

7.007 (AERIAL/GROUND) Are any of the following secondary composite crossarm conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])

A. Deterioration (Enables 7.003D)
B. Bending/Bowing/Twisting (Enables 7.002C, 7.002D)
C. Damage (Enables 7.004B)
D. No abnormal conditions

7.003D How many secondary composite crossarms are deteriorated and need to be replaced? (Enabled by 7.007 [A])

A. Answer choices will be 1-20 (Notification Required)

7.002C How many secondary composite crossarms show signs of bending and need to be replaced? (Enabled by 7.007 [B])

A. Answer choices will be 1-20 (Notification Required)

7.002D Do any secondary composite crossarms have any of the following conditions of bending/bowing/twisting and need to be replaced? Select all that apply. (Enabled by 7.007 [B])

A. Visual fracturing (Notification Required)
B. Significant visual buckling (Notification Required)
C. Significantly unbalanced due to tension (Notification Required)
D. Bent mounting bracket and associated hardware (Notification Required)

7.004B How many secondary composite crossarms are physically damaged and need to be replaced? (Enabled by 7.007 [C])

A. Answer choices will be 1-20 (Notification Required)

CROSSARMS - STEEL (0.014L, 0.014M, 0.014N, 2.005E, 2.015, 2.003I, 2.003J, 2.016, 2.017)

0.014L How many total single crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: A single crossarm is when only one crossarms piece exists at a specific elevation on the pole.

A. Answer choices will be 0-20

0.014M How many total sets of double crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: A double crossarm is when two crossarm pieces exist in a parallel orientation at the same elevation on the pole.

A. Answer choices will be 0-20

0.014N How many total sets of triple crossarms of this material type are at this level? (Disabled by SV003 [E,H,I])
NOTE: A triple crossarm is when three crossarms pieces exist in a parallel orientation at the same elevation on the pole.

A. Answer choices will be 0-20

2.015 **(AERIAL/GROUND)** Are any of the following steel crossarm conditions observed? Select all that apply. (Disabled by SV003 [E,H,I])

A. Bowing/Twisting (Enables 2.003I)
B. Excessive Rusting/Corrosion (Enables 2.003J)
C. Visual tracking, charring, or burn marks(Enables 2.005E)
D. Canting (Enables 2.016)
E. Bracket damage (Enables 2.017)
F. No abnormal conditions

2.003I How many secondary steel crossarms are bowed/twisted and need to be replaced? (Enabled by 2.015 [A])

A. Answer choices will be 1-20 (Notification Required)

2.003J How many secondary steel crossarms are excessively rusted or corroded and need to be replaced? (Enabled by 2.015 [B])

A. Answer choices will be 1-20 (Notification Required)

2.005E How many secondary steel crossarms have **visual tracking, charring, or burn marks** and need to be replaced? (Enabled by 2.015 [C])

A. Answer choices will be 1-20 (Notification Required)

2.016 How many secondary steel crossarms are canting and need to be replaced? (Enabled by 2.015[D])

A. Answer choices will be 1-20 (Notification Required)

2.017 How many secondary steel crossarms have bracket damage and need to be replaced? (Enabled by 2.015 [E])

A. Answer choices will be 1-20 (Notification Required)

INSULATORS (0.014O, 6.009, 6.008)

0.014O How many insulators are installed at this level? (Disabled by SV003 [E,H,I])

NOTE: Dead-end insulators count as 1.

A. Answer choices will be 1-30

6.008 **(AERIAL/GROUND)** Are any of the following secondary insulator conditions observed? Select all that apply. (Disabled by SV003 [H,I])

A. Missing/loose parts **(nuts, bolts, etc.)** (Notification Required)
B. Insulator damaged (broken, cracked, loose, floating, squatting, chipped), Tie wire (damaged, missing, loose), Upward strain (Enables 6.009)
C. Top/Side tie insulator touching crossarm (Notification Required)
D. No abnormal conditions

Streetlight Pole Problem statement: REPAIR DAMAGE PUBLIC STLTPOLE

NOTE: ESI will have to indicate insulator issue

6.009 (AERIAL/GROUND) Indicate if any of the following types of damage are observed on any portion of any secondary insulator, or its associated hardware. Select all that apply. (Enabled by 6.008 [B]) (Disabled by SV003 [H,I])

A. Insulator broken (Notification Required)
B. Insulator cracked, damaged or loose (Notification Required)
C. Insulator floating (Notification Required)
D. Insulator squatting (Notification Required)
E. Tie wire broken/missing/damaged or loose (Notification Required)
F. Upward strain (lift) on pin in tangent configuration (Notification Required)
G. Insulator chipped (Notification Required)
H. Improper angle on pin insulator (Notification Required)
I. Bolt head sheared off (Notification Required)

CONDUCTORS - SECONDARY (0.014I, 0.021E, 9.006, 9.005, 9.008, 9.009, 9.010, 9.003, 9.011, 9.012, 9.013)

0.014I How many phases are installed at this level? (Disabled by SV003 [E,H,I])
NOTE: Only count secondary phases, NOT services. (Multi-plex is counted as 1 phase).

A. Answer choices will be 1-20

9.006 What type(s) of secondary conductors are installed? Select all that apply. (Disabled by SV003 [E,H,I])
NOTE: Only consider secondary conductors, NOT services.

A. Open wire construction - bare copper
B. Open wire construction - bare aluminum
C. Open wire construction – weatherproof AL/CU
D. Open wire construction – insulated
E. Insulated multiplex with a messenger (Enables 9.013)
F. One or more conductors are types not listed

9.005 Which of the following sizes of secondary conductors are on the span? Select all that apply. (Disabled by SV003 [H,I])
NOTE: Only consider secondary conductors, NOT services

A. #4 Copper
B. #6 Copper
C. #4 Aluminum
D. #4 Aluminum Triplex
E. #6 Aluminum
F. One or more conductors are sizes not listed

9.011 Are there any splices on the secondary conductors? (Disabled by SV003 [H,I])
NOTE: Check all secondary conductors, NOT services, in all directions from pole to mid-span.

A. Yes, splices exist (Enables 9.0008, 9.009, 9.010)
B. No, splices do not exist

9.008 How many automatic (bump) splices are in the secondary level? (Enabled by 9.011 [A]) (Disabled by SV003 [H,I])

NOTE: Count all splices in all directions from pole to mid-span.

A. Answer choices will be 0-20

9.009 How many preform splices are in the secondary level? (Enabled by 9.011 [A]) (Disabled by SV003 [H,I])

NOTE: Count all splices in all directions from pole to mid-span.

A. Answer choices will be 0-20

9.010 How many compression splices are in the secondary level? (Enabled by 9.011 [A]) (Disabled by SV003 [H,I])

A. Answer choices will be 0-20

9.012 (AERIAL/GROUND) Are any of the following secondary conductor conditions observed? Select all that apply. (Disabled by SV003 [H,I])

A. Foreign objects (Notification Required)
   Streetlight Pole Problem statement: REMV UNATH ATT SEC CBL/CND STLTPOLE
B. Conductor has less than appropriate radial clearance with potential for contact, no public safety hazard (Notification Required)
   Streetlight Pole Problem Statement: REPAIR CLEARANC SEC CLB/CND STLTPOLE
C. Vegetation issues (Enables 9.003)
D. Damage (broken, missing, or loose conductor or tie wires) (Notification Required)
E. No abnormal conditions

9.003 (AERIAL/GROUND) Which of the following inadequate vegetation clearances are observed at this level? Select all that apply. (Enabled by 9.012 [C]) (Disabled by SV003 [H,I])

A. Bare conductors and through tree (Notification Required)
   Streetlight Pole Problem statement: TRIM VEG TREE SEC CBL/CND STLTPOLE
B. Tree condition causing significant strain and/or visible abrasion damage - either open wire or Triplex (Notification Required)
   Streetlight Pole Problem statement: TRIM VEG TREE SEC CBL/CND STLTPOLE
C. Immediate danger concerning palm fronds falling or blowing into conductors (Notification Required)
   Streetlight Pole Problem statement: TRIM VEG TREE SEC CBL/CND STLTPOLE
D. Vines, branches, or foliage presenting an overhang or other imminent threat (Notification Required)
   Streetlight Pole Problem statement: TRIM VEG TREE SEC CBL/CND STLTPOLE
E. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

9.013 Is any metal exposed, on or around, secondary multiplex phase connections (e.g. transformer load side taps, jumper taps, underground taps)? (Enabled by 9.006 [E], SV006 [A])

A. Yes, one or more secondary phase connections have exposed metal WITHOUT mechanical support (e.g. spreader, 3 spool rack, etc.)

B. Yes, one or more secondary phase connections have exposed metal WITH mechanical support (e.g. spreader, 3 spool rack, etc.)
C. Yes, but ALL secondary phase connections are attached to open wire conductors
D. No, ALL secondary phase connections covered/taped
E. No connections on secondary conductor

RECLOSERS, PE GEAR AND REGULATORS, (10.009)

10.009 Are any of the following apparatus equipment conditions observed? Select all that apply.
(Disabled by SV003 [E,H,I])

A. Excessive oil leaking and reaching ground, public access, or environmentally sensitive area (Notification Required)
B. Minor leakage, oil remains on equipment, does not reach ground, public access, or environmentally sensitive area (Notification Required)
C. Vegetation interfering with operation of apparatus equipment (Notification Required)
(Disabled by SV001 [B])
D. No abnormal conditions

HARDWARE/FRAMING (11.007, 11.010)

11.010 Are any of the following secondary hardware/framing conditions observed? Select all that apply.

A. Corroded, missing, broken or bending hardware (Notification Required)
B. Damaged equipment brackets or braces (Notification Required)
C. No abnormal conditions

11.007 (AERIAL/GROUND) Are any of the following streetlight hardware/framing conditions observed?
(Enabled by MAT_SEC [S])

A. Mast arm out of plumb
B. Mast arm or mounting hardware corroded, missing, broken, loose or bending (Notification Required)
Streetlight Pole Problem statement: REPLC DAMAGE SEC MASTARM STLTPOLE
C. Streetlight brackets damaged (Notification Required)
Streetlight Pole Problem statement: REPAIR DAMAGE PUBLIC STLTPOLE
NOTE: ESI will have to indicate brackets
D. No abnormal conditions

STREETLIGHT (11.005)

11.005 **(AERIAL/GROUND)** Are any of the following streetlight lamp conditions observed? (Enabled by MAT_SEC [S])

A. Luminaire (streetlight head) or hardware corroded, missing, broken, or bending (Notification Required)

Streetlight Pole Problem statement: REPLC DAMAGE SEC LNS/RFRCTR STLTLAMP

NOTE: ESI must select Lamp equipment

B. Signs of animal presence in the luminaire
C. Lamp Flickering (Notification Required)
D. No abnormal conditions

SPAN GUYS (0.014E, 12.002, 12.004)

0.014E How many span guys are installed at this level?

A. Answer choices will be 1-10

12.004 Are any of the following span guy conditions observed? Select all that apply.

A. Cracked, damaged, deflected, frayed or loose (Notification Required)
B. Sagging or extreme slack (Notification Required)
C. Inadequate clearance with energized components, non-energized components, communication facilities (Enables 12.002)
D. Signs of contact between guy wire and conductors (arcing marks) (Notification Required)
E. No abnormal conditions

12.002 Is there inadequate clearance between span guy and any of the following? Select all that apply. (Enabled by 12.004 [C])

A. SCE Energized components (Notification Required)
B. SCE non-energized electrical components (Notification Required)
C. Communication facilities

DOWN GUYS (13.001C, 13.018)

13.001C Are there signs of contact between secondary guy wire and conductors (arcing marks)?

A. Yes, signs of contact between secondary guy wire and conductors exist (Notification Required)
B. No, signs of contact between secondary guy wire and conductors do not exist

13.018 What types of guy wire attachments are present in the secondary level? Select all that apply.

A. Automatic / Bump
B. Pre-Form
C. Fiberglass strain insulator
D. 2-Bolt

E. 3-Bolt
F. Choker
G. Other

RISERS/TERMINATIONS (14.003)

14.003 **(AERIAL/GROUND)** Indicate if any of the following Riser conditions are observed on the structure. Select all that apply or select "No abnormal conditions". (Disabled by SV003 [H,I])

A. Cables in Riser exposed (Notification Required)
   Streetlight Pole Problem statement: REPAIR DAMAGE PUBLIC STLTPOLE
   NOTE: ESI will have to indicate cable in riser exposed
B. Riser broken (Notification Required)
   Streetlight Pole Problem statement: REPAIR DAMAGE PUBLIC STLTPOLE
   NOTE: ESI will have to indicate riser broken
C. Riser swollen (Notification Required)
   Streetlight Pole Problem statement: REPAIR DAMAGE PUBLIC STLTPOLE
   NOTE: ESI will have to indicate riser swollen
D. In contact with animal nest (Notification Required)
   Streetlight Pole Problem statement: REMV ANIMNST SEC STLTPOLE
E. Non-Schedule 80 Riser installed (Notification Required)
   Streetlight Pole Problem statement: REPAIR DAMAGE PUBLIC STLTPOLE
   NOTE: ESI will have to indicate non-schedule 80 riser installed
F. No abnormal conditions

SERVICE DROPS (15.001, 15.004, 15.005, 15.006)

15.001 What type of service drops are installed? Select all that apply. (Disabled by SV003 [E,H,I])

A. Aluminum
B. Copper
C. 2 wire
D. 3 wire
E. 4 wire

15.004 **(AERIAL/GROUND)** Indicate if any of the following inadequate clearances are observed at the time of inspection. Select all that apply or select "No abnormal conditions". (Disabled by SV003 [E,H,I])

A. Tree condition causing significant strain and/or visible abrasion damage — either open wire or Triplex (Notification Required) (Disabled by SV001 [B])
B. Mid-span service clearance not maintained (Notification Required)
C. Does not meet G.O. 95 vertical clearances (Notification Required)
D. No abnormal conditions

15.005 Are service drop insulators damaged?

A. Yes, service drop insulators damaged (Notification Required)

B. No, service drop insulators not damaged

15.006 Is any metal exposed, on or around, service drop phase connections (Enabled by SV006 [A])

A. Yes, one or more service phase connections have exposed metal WITHOUT mechanical support (e.g. spreader, 3 spool rack, etc.)
B. Yes, one or more service phase connections have exposed metal WITH mechanical support (e.g. spreader, 3 spool rack, etc.)
C. Yes, but ALL service phase connections are attached to open wire secondary conductors
D. No, ALL phase connections covered/taped

Communication Level
(Disabled by SV003 [E])

MAT_COMM Select all the equipment you see at the communication level:

A. Poles – Wood (Disabled by SV003 [E])
B. Poles – Composite (Disabled by SV003 [E])
C. Buddy Pole (Disabled by SV003 [E])
D. Communication Lines and Equipment (Disabled by SV003 [E])
E. Reclosers, PE Gear, Regulators, and Switches (Disabled by SV003 [E,H,I])

POLES - WOOD (0.020B, 1.002)

0.020B Is there adequate climbing space at this level? (Disabled by SV002 [C], SV003 [E])

A. No, adequate climbing space does not exist (Notification Required)
B. Yes, adequate climbing space exists
C. Unable to determine due to access

1.002 Indicate if any of the following types of structural failure are observed at this level. Select all that apply or select "No abnormal conditions". (Disabled by SV003 [E])

A. Hole approximately > 2 inches near through bolt (Notification Required)
B. Three or more holes approximately >2 inch diameter, within approximately 18 inches vertical of a through bolt (Notification Required)
C. Exterior damage approximately >2 inch depth and approximately > 1/4 pole circumference (Notification Required)
D. Exterior damage approximately 1–2 inch depth and approximately > 1/4 pole circumference (Notification Required)
E. No abnormal conditions

POLES – COMPOSITE (0.020B,)

0.020B Is there adequate climbing space at this level? (Disabled by SV002 [C], SV003 [E])

A. No, adequate climbing space does not exist (Notification Required)
B. Yes, adequate climbing space exists
C. Unable to determine due to access

Buddy Pole (0.028)

0.028 What is attached to the Buddy Pole? (Disabled by SV003 [E])

A. TTC cable
B. 3rd party cable
C. Distribution
D. Nothing (bare pole)

Communication Lines and Equipment (0.029)

0.029 Indicate if any of the following communication equipment conditions are observed. Select all that apply or select "No abnormal conditions". (Disabled by SV003 [E])

A. Inadequate clearance between communication equipment or structures and SCE electrical equipment or structures (Notification Required)
B. Excessive sag of communication cables (Notification Required)
C. Loose lashing wires (Notification Required)
D. Broken or separated messenger wire (Notification Required)
E. Broken, damaged or severely strained communication guy wires (Notification Required)
F. Excessive bowing or bending of pole from potential overloading at communication attachment points (Notification Required)
G. Improperly secured communication conductor or equipment (Notification Required)
H. Vegetation straining communication messenger or guy wire and/or causing structural integrity issues (Notification Required)
I. No abnormal conditions
J. Unable to determine due to access/obstruction

RECLOSERS, PE GEAR AND REGULATORS (10.006)

10.006 Are trees or vegetation interfering with operation of any reclosers, PE gear, regulators, or switches? (Disabled by SV003 [E])

A. Yes, trees or vegetation are interfering with operation of any reclosers, PE gear, regulators, or switches (Notification Required)
B. No, trees or vegetation are not interfering with operation of any reclosers, PE gear, regulators, or switches
C. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

Public Level

MAT_PUB Select all the equipment you see at the public level:

A. Poles – Wood (Disabled by SV003 [E])
B. Poles – Composite (Disabled by SV003 [E])
C. Poles – Tree (Disabled by SV003 [E])
D. Poles – Steel (Disabled by SV003 [E])
E. Down Guys
F. Risers/Terminations (Disabled by SV003 [H,I])
G. Streetlight Only Pole – Concrete (Enabled by SV004 [E])
H. Streetlight Only Pole – Wood (Enabled by SV004 [F])
I. Streetlight Only Pole – Steel (Enabled by SV004 [G])
Poles – Concrete (Disabled by SV003 [E])

POLES - WOOD (0.005A, 0.005B, 0.005C, 0.005D, 0.008, 0.009, 0.020B, 0.022, 0.024, 0.027, 1.012, 1.004, 1.007, 1.009)

0.005A Does pole number in the app match the structure number on the structure that you are inspecting?

A. No, pole number in app does not match structure number (Notification Required) (Enables 0.005C)
B. Yes, pole number in app matches structure number (Enables 0.005C)
C. No structure number present (Enables 0.005C)
D. Cannot access (Disables 0.005C)

0.005B Is the structure number the yellow and black style?

A. Yes
B. No
C. No structure number present
D. Cannot access

0.005C Does the structure number or tag require replacement? (Enabled by 0.005A [A,B,C]; Disabled by 0.005A [D])

A. Yes
B. No

0.005D Do visibility strips require replacement?

A. Yes
B. No
C. Cannot access

0.008 Is the circular pole medallion present?

A. Yes
B. No
C. Cannot access

0.009 Is the pole brand visible?

A. Yes
B. No
C. Cannot access

0.020B Is there adequate climbing space at this level? (Disabled by SV002 [C])

A. No, adequate climbing space does not exist (Notification Required)
B. Yes, adequate climbing space exists
C. Unable to determine due to access

0.022 Is there at least 10 feet of clearance between vegetation and the base of the pole? (specify if clearance is needed) (Enabled by 0.021A [A,B,C,D,E], 11.006 [F,G], 0.021C [A,B], 0.021D [A,B], 0.021E[A,B]) (Disabled by SV002 [C])

A. Yes, there is at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
B. No, there is not at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
C. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

0.027 Which of the following generally describes the area surrounding the pole within 100 feet? Select all that apply.

A. Vegetation (Disabled by SV001 [B])
B. Residential or commercial area/structures
C. Sand/dirt, gravel/rock, or water
D. Concrete and/or pavement
E. Debris, trash, or other combustible material
F. Homeless encampment

1.009 Are any of the following structure conditions observed? Select all that apply.

A. Defects on or around structure (contamination, unauthorized attachment, 3rd party structure, or burn marks) (Enables 0.024)
B. Structural failure (holes, damage) (Enables 1.012)
C. Construction faults (decay pockets, soil erosion) (Enables 1.004)
D. Pole lean (Enables 1.007) (Disabled by SV002 [C])
E. Animal nests with potential to contact energized components or interfere with equipment operation (Notification Required)
F. No abnormal conditions
G. Unable to determine due to access

0.024 Indicate which of the following defects are present on or around the structure. Select all that apply. (Enabled by 1.009 [A])

A. Contamination from SCE equipment (Notification Required)
B. Unauthorized attachment (Notification Required)
C. 3rd party structure touching or surrounding SCE structure (Notification Required)
D. Burn marks or signs of exposure to fire

1.012 Indicate if any of the following types of structural failure are observed at this level. Select all that apply. (Enabled by 1.009 [B])

A. Hole approximately > 2 inches near through bolt (Notification Required)
B. Three or more holes approximately >2 inch diameter, within approximately 18 inches vertical of a through bolt (Notification Required)
C. Exterior damage approximately >2 inch depth and approximately > 1/4 pole circumference (Notification Required)
D. Exterior damage approximately 1–2 inch depth and approximately > 1/4 pole circumference (Notification Required)

1.004 Indicate if there are any of the following types of construction faults. Select all that apply. (Enabled by 1.009 [C])

A. Exposed decay pocket at ground line where part of shell is gone (Notification Required)
B. Evidence of soil erosion around base of pole (Notification Required)

1.007 Indicate if the pole is showing any of the following signs of pole lean. (Enabled by 1.009 [D])

A. Pole leaning - public hazard (Notification Required)
B. Pole leaning more than 1 foot per 10 feet of pole height (Notification Required)
C. Pole leaning less than 1 foot per 10 feet of pole height

POLES - COMPOSITE (0.005A, 0.005B, 0.005C, 0.005D, 0.008, 0.009, 0.020B, 0.022, 0.024, 0.027, 5.001, 5.003, 5.006)

0.005A Does pole number in the app match the structure number on the structure that you are inspecting?

A. No, pole number in app does not match structure number (Notification Required) (Enables 0.005C)
B. Yes, pole number in app matches structure number (Enables 0.005C)
C. No structure number present (Enables 0.005C)
D. Cannot access (Disables 0.005C)

0.005B Is the structure number the yellow and black style?

A. Yes
B. No
C. No structure number present
D. Cannot access

0.005C Does the structure number or tag require replacement? (Enabled by 0.005A [A,B,C]; Disabled by 0.005A [D])

A. Yes
B. No

0.005D Do visibility strips require replacement?

A. Yes
B. No

C. Cannot access

0.008 Is the circular pole medallion present?
A. Yes
B. No
C. Cannot access

0.009 Is the pole brand visible?
A. Yes
B. No
C. Cannot access

0.020B Is there adequate climbing space at this level? (Disabled by SV002 [C])
A. No, adequate climbing space does not exist (Notification Required)
B. Yes, adequate climbing space exists
C. Unable to determine due to access

0.022 Is there at least 10 feet of clearance between vegetation and the base of the pole? (specify if clearance is needed) (Enabled by 0.021A [A,B,C,D,E], 11.006 [F,G], 0.021C [A,B], 0.021D [A,B], 0.021E[A,B]) (Disabled by SV002 [C])
A. Yes, there is at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
B. No, there is not at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
C. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

0.027 Which of the following generally describes the area surrounding the pole within 100 feet? Select all that apply.
A. Vegetation (Disabled by SV001 [B])
B. Residential or commercial area/structures
C. Sand/dirt, gravel/rock, or water
D. Concrete and/or pavement
E. Debris, trash, or other combustible material
F. Homeless encampment

5.006 Are any of the following structure conditions observed? Select all that apply.
A. Defects on or around structure (Enables 0.024)
B. Structural damage (fracturing, buckling, ponding, cracking, vandalism, embedment depth, gouging) (Enables 5.001)
C. Overloading (pole leaning, bowing) (Enables 5.003)
D. Animal nests with potential to contact energized component or interfere with equipment operation (Notification Required)
E. No abnormal conditions
F. Unable to determine due to access

0.024 Indicate which of the following defects are present on or around the structure. Select all that apply. (Enabled by 5.006 [A])

A. Contamination from SCE equipment (Notification Required)
B. Unauthorized attachment (Notification Required)
C. 3rd party structure touching or surrounding SCE structure (Notification Required)
D. Burn marks or signs of exposure to fire

5.001 Indicate if any of the following types of structural damage are observed on the pole. Select all that apply. (Enabled by 5.006 [B])
A. Fracture or buckling of exterior wall (Notification Required)
B. Visual cracks or rupture of exterior laminates or exterior wall exposing interior (Notification Required)
C. Pole embedded on soil/heavy ponding (water) (Notification Required)
D. Vandalism that affects the structural integrity (i.e. gun damage) (Notification Required)
E. Depth of embedment less than 10% + 1 feet of the pole height (Notification Required)
F. Surface gouging on exterior greater than 2" length

5.003 Indicate if any of the following signs of overloading are observed on the pole. Select all that apply. (Enabled by 5.006 [C])
A. Excessive lean (approximately 10% or more of the pole height), caused by erosion of soil at groundline (Notification Required) (Disabled by SV002 [C])
B. Excessive lean not caused by erosion of soil (Notification Required) (Disabled by SV002 [C])
C. Leaning at the top of pole greater than approximately 5% of the height of the pole above ground with equipment (i.e. transformers, capacitors, etc.) (Disabled by SV002 [C])
D. Bowing of the pole at or near the mid-height due to from guys

POLES - STEEL (0.005A, 0.005B, 0.005C, 0.005D, 0.022, 0.027, 17.001, 17.002, 17.003, 17.004)

0.005A Does pole number in the app match the structure number on the structure that you are inspecting?
A. No, pole number in app does not match structure number (Notification Required) (Enables 0.005C)
B. Yes, pole number in app matches structure number (Enables 0.005C)
C. No structure number present (Enables 0.005C)
D. Cannot access (Disables 0.005C)

0.005B Is the structure number the yellow and black style?
A. Yes
B. No
C. No structure number present
D. Cannot access

0.005C Does the structure number or tag require replacement? (Enabled by 0.005A [A,B,C]; Disabled by 0.005A [D])
A. Yes
B. No

0.005D Do visibility strips require replacement?

A. Yes
B. No
C. Cannot access

0.022 Is there at least 10 feet of clearance between vegetation and the base of the pole? (specify if clearance is needed) (Enabled by 0.021A [A,B,C,D,E], 11.006 [F,G], 0.021C [A,B], 0.021D [A,B], 0.021E[A,B]) (Disabled by SV002 [C])

A. Yes, there is at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
B. No, there is not at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
C. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

0.027 Which of the following generally describes the area surrounding the pole within 100 feet? Select all that apply.

A. Vegetation (Disabled by SV001 [B])
B. Residential or commercial area/structures
C. Sand/dirt, gravel/rock, or water
D. Concrete and/or pavement
E. Debris, trash, or other combustible material
F. Homeless encampment

17.001 Are any of the following structure conditions observed? Select all that apply.

A. Defects on or around structure (unauthorized attachment, 3rd party structure, signs of burning/fire) (Enables 17.002
B. Structural failure (corrosion, denting/damage, anchor/foundation damage) (Enables 17.003)
C. Pole lean (Enables 17.004) (Disabled by SV002 [C])
D. Animal nest with potential to contact energized component or interfere with equipment operation (Notification Required)
E. No abnormal conditions
F. Unable to determine due to access

17.002 Indicate which of the following defects are present on or around the structure. Select all that apply. (Enabled by 17.001 [A])

A. Unauthorized attachment (Notification Required)
   Streetlight Pole Problem Statement: REMV UNATH ATT SEC STLTPOLE or CUST UNATH ATT PUBLIC STLTPOLE
B. 3rd party structure touching or surrounding SCE structure (Notification Required)
   Streetlight Pole Problem Statement: CUST CLEARNC PUBLIC STLTPOLE
C. Burn marks or signs of exposure to fire

17.003 Indicate if any of the following types of structural failure are observed at this level. Select all that apply. (Enabled by 17.001 [B])

A. Excessive corrosion of pole or hardware (Notification Required)
B. Excessive damage to pole (Notification Required)
C. Damage to anchor bolts or foundation (Notification Required)

17.004 Indicate if the pole is showing any of the following signs of pole lean. (Enabled by 17.001 [C])

A. Pole leaning - public hazard (Notification Required)
B. Pole leaning more than 1 foot per 10 feet of pole height (Notification Required)
C. Pole leaning less than 1 foot per 10 feet of pole height

POLES – TREE (0.005A, 0.005B, 0.005C, 0.005D, 0.022, 0.027)

0.005A Does pole number in the app match the structure number on the structure that you are inspecting?

A. No, pole number in app does not match structure number (Notification Required) (Enables 0.005C)
B. Yes, pole number in app matches structure number (Enables 0.005C)
C. No structure number present (Enables 0.005C)
D. Cannot access (Disables 0.005C)

0.005B Is the structure number the yellow and black style?

A. Yes
B. No
C. No structure number present
D. Cannot access

0.005C Does the structure number or tag require replacement? (Enabled by 0.005A [A,B,C]; Disabled by 0.005A [D])

A. Yes
B. No

0.005D Do visibility strips require replacement?

A. Yes
B. No
C. Cannot access

0.022 Is there at least 10 feet of clearance between vegetation and the base of the pole? (specify if clearance is needed) (Enabled by 0.021A [A,B,C,D,E], 11.006 [F,G], 0.021C [A,B], 0.021D [A,B], 0.021E[A,B]) (Disabled by SV002 [C])

A. Yes, there is at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
B. No, there is not at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
C. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

0.027 Which of the following generally describes the area surrounding the pole within 100 feet? Select all that apply.

A. Vegetation (Disabled by SV001 [B])

B. Residential or commercial area/structures
C. Sand/dirt, gravel/rock, or water
D. Concrete and/or pavement
E. Debris, trash, or other combustible material
F. Homeless encampment

POLES - CONCRETE (0.005A, 0.005B, 0.005C, 0.005D, 0.027, 18.001, 18.002, 18.003)

0.005A Does pole number in the app match the structure number on the structure that you are inspecting?

A. No, pole number in app does not match structure number (E2 Notification Required) (Enables 0.005C)
B. Yes, pole number in app matches structure number (Enables 0.005C)
C. No structure number present (Enables 0.005C)
D. Cannot access (Disables 0.005C)

0.005C Does the structure number or tag require replacement? (Enabled by 0.005A [A,B,C]; Disabled by 0.005A [D])

A. Yes
B. No

0.005D Do visibility strips require replacement?

A. Yes
B. No
C. Cannot access

0.027 Which of the following generally describes the area surrounding the pole within 100 feet? Select all that apply.

A. Vegetation (Disabled by SV001 [B])
B. Residential or commercial area/structures
C. Sand/dirt, gravel/rock, or water
D. Concrete and/or pavement
E. Debris, trash, or other combustible material
F. Homeless encampment

18.001 Are any of the following structure conditions observed? Select all that apply.

A. Defects on or around structure (unauthorized attachments, 3rd party structures, burn marks) (Enables 18.002)
B. Structural damage (Fracture, buckling, cracks, exterior damage) (Enables 18.003)
C. Damage to Anchor Bolts or foundation (Notification Required)
   Streetlight Pole Problem statement: REPLC DAMAGE PUBLIC STLTPOLE
D. Animal nest with potential to contact energized component or interfere with equipment operation (Notification Required)
E. No abnormal conditions
F. Unable to determine due to access

18.002 Indicate which of the following defects are present on or around the structure. Select all that apply. (Enabled by 18.001[A])

A. Unauthorized attachment (Notification Required)
B. 3rd party structure touching or surrounding SCE structure (Notification Required)
C. Burn marks or signs of exposure to fire

18.003 Indicate if any of the following types of structural damage are observed on the pole. Select all that apply. (Enabled by 18.001 [B])

A. Fracture or buckling of exterior wall (Notification Required)
B. Visual cracks or rupture of exterior surface exposing interior (Notification Required)
C. Vandalism that affects the structural integrity (i.e. gun damage) (Notification Required)

STREETLIGHT ONLY POLES - WOOD (0.005A, 0.005C, 0.005D, 0.022, 0.024, 0.027, 1.012, 1.004, 1.007, 1.009)

0.005A Does pole number in the app match the structure number on the structure that you are inspecting?

A. No, pole number in app does not match structure number (E2 Notification Required) (Enables 0.005C)
B. Yes, pole number in app matches structure number (Enables 0.005C)
C. No structure number present (Enables 0.005C)
D. Cannot access (Disables 0.005C)

0.005C Does the structure number or tag require replacement? (Enabled by 0.005A [A,B,C]; Disabled by 0.005A [D])

A. Yes
B. No

0.005D Do visibility strips require replacement?

A. Yes
B. No
C. Cannot access

0.022 Is there at least 10 feet of clearance between vegetation and the base of the pole? (specify if clearance is needed) (Enabled by 0.021A [A,B,C,D,E], 11.006 [F,G], 0.021C [A,B], 0.021D [A,B], 0.021E[A,B]) (Disabled by SV002 [C])

A. Yes, there is at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
B. No, there is not at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high (Disabled by SV001 [B])
C. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

0.027 Which of the following generally describes the area surrounding the pole within 100 feet? Select all that apply.

A. Vegetation (Disabled by SV001 [B])

B. Residential or commercial area/structures
C. Sand/dirt, gravel/rock, or water
D. Concrete and/or pavement
E. Debris, trash, or other combustible material
F. Homeless encampment

1.009 Are any of the following structure conditions observed? Select all that apply.
A. Defects on or around structure (unauthorized attachments, 3rd party structures, burn marks) (Enables 0.024)
B. Structural failure (holes, damage) (Enables 1.012)
C. Construction faults (decay pockets, soil erosion) (Enables 1.004)
D. Pole lean (Enables 1.007) (Disabled by SV002 [C])
E. Animal nests with potential to contact energized component or interfere with equipment operation (Notification Required)
F. No abnormal conditions
G. Unable to determine due to access

0.024 Indicate which of the following defects are present on or around the structure. Select all that apply. (Enabled by 1.009 [A])
A. Contamination from SCE equipment (Notification Required)
B. Unauthorized attachment (Notification Required)
C. 3rd party structure touching or surrounding SCE structure (Notification Required)
D. Burn marks or signs of exposure to fire

1.012 Indicate if any of the following types of structural failure are observed at this level. Select all that apply. (Enabled by 1.009 [B])
A. Hole approximately > 2 inches near through bolt (Notification Required)
B. Three or more holes approximately >2 inch diameter, within approximately 18 inches vertical of a through bolt (Notification Required)
C. Exterior damage approximately >2 inch depth and approximately > 1/4 pole circumference (Notification Required)
D. Exterior damage approximately 1–2 inch depth and approximately > 1/4 pole circumference (Notification Required)

1.004 Indicate if there are any of the following types of construction faults. Select all that apply. (Enabled by 1.009 [C])
A. Exposed decay pocket at ground line where part of shell is gone (Notification Required)
B. Evidence of soil erosion around base of pole (Notification Required)

1.007 Indicate if the pole is showing any of the following signs of pole lean. (Enabled by 1.009 [D])
A. Pole leaning - public hazard (Notification Required)
B. Pole leaning more than 1 foot per 10 feet of pole height (Notification Required)
C. Pole leaning less than 1 foot per 10 feet of pole height

STREETLIGHT ONLY POLES - STEEL (0.005A, 0.005C, 0.005D, 0.022, 0.027, 17.001, 17.002, 17.003, 17.004)

0.005A Does pole number in the app match the structure number on the structure that you are inspecting?

A. No, pole number in app does not match structure number (E2 Notification Required) (Enables 0.005C)
B. Yes, pole number in app matches structure number (Enables 0.005C)
C. No structure number present (Enables 0.005C)
D. Cannot access (Disables 0.005C)

0.005C Does the structure number or tag require replacement? (Enabled by 0.005A [A,B,C]; Disabled by 0.005A [D])

A. Yes
B. No

0.005D Do visibility strips require replacement?

A. Yes
B. No
C. Cannot access

0.022 Is there at least 10 feet of clearance between vegetation and the base of the pole? (specify if clearance is needed) (Enabled by 0.021A [A,B,C,D,E], 11.006 [F,G], 0.021C [A,B], 0.021D [A,B], 0.021E[A,B]) (Disabled by SV002 [C])

A. Yes, there is at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high
B. No, there is not at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high
C. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

0.027 Which of the following generally describes the area surrounding the pole within 100 feet?

A. Vegetation (Disabled by SV001 [B])
B. Residential or commercial area/structures
C. Sand/dirt, gravel/rock, or water
D. Concrete and/or pavement
E. Debris, trash, or other combustible material
F. Homeless encampment

17.001 Are any of the following structure conditions observed? Select all that apply.

A. Defects on or around structure (unauthorized attachments, 3rd party structures, burn marks) (Enables 17.002)
B. Structural failure (corrosion, denting/damage, anchor/foundation damage) (Enables 17.003)
C. Pole lean (Enables 17.004) (Disabled by SV002 [C])
D. Animal nests with potential to contact energized component or interfere with equipment operation (Notification Required)
E. No abnormal conditions
F. Unable to determine due to access

17.002 Indicate which of the following defects are present on or around the structure. Select all that apply. (Enabled by 17.001 [A])

A. Unauthorized attachment (Notification Required)
B. 3rd party structure touching or surrounding SCE structure (Notification Required)
C. Burn marks or signs of exposure to fire

17.003 Indicate if any of the following types of structural failure are observed at this level. Select all that apply. (Enabled by 17.001 [B])

A. Excessive corrosion of pole or hardware (Notification Required)
B. Excessive damage to pole (Notification Required)
C. Damage to anchor bolts or foundation (Notification Required)

Streetlight Pole Problem statement: REPLC DAMAGE PUBLIC STLTPOLE

17.004 Indicate if the pole is showing any of the following signs of pole lean. (Enabled by 17.001 [C])

A. Pole leaning - public hazard (Notification Required)
B. Pole leaning more than 1 foot per 10 feet of pole height (Notification Required)
C. Pole leaning less than 1 foot per 10 feet of pole height

STREETLIGHT ONLY POLES - CONCRETE (0.005A, 0.005C, 0.005D, 0.022, 0.027, 18.001, 18.002, 18.003)

0.005A Does pole number in the app match the structure number on the structure that you are inspecting?

A. No, pole number in app does not match structure number (E2 Notification Required) (Enables 0.005C)
B. Yes, pole number in app matches structure number (Enables 0.005C)
C. No structure number present (Enables 0.005C)
D. Cannot access (Disables 0.005C)

0.005C Does the structure number or tag require replacement? (Enabled by 0.005A [A,B,C]; Disabled by 0.005A [D])

A. Yes
B. No

0.005D Do visibility strips require replacement?

A. Yes
B. No
C. Cannot access

0.022 Is there at least 10 feet of clearance between vegetation and the base of the pole? (specify if clearance is needed) (Enabled by 0.021A [A,B,C,D,E], 11.006 [F,G], 0.021C [A,B], 0.021D [A,B], 0.021E[A,B]) (Disabled by SV002 [C])

A. Yes, there is at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high

B. No, there is not at least 10 feet of clearance between vegetation and the base of the pole, up to 8 feet high
C. Defer question to SCE Inspector – Item outside of Contractor Scope of Work (Enabled by SV001 [B])

0.027 Which of the following generally describes the area surrounding the pole within 100 feet? Select all that apply.
A. Vegetation (Disabled by SV001 [B])
B. Residential or commercial area/structures
C. Sand/dirt, gravel/rock, or water
D. Concrete and/or pavement
E. Debris, trash, or other combustible material
F. Homeless encampment

18.001 Are any of the following structure conditions observed? Select all that apply.
A. Defects on or around structure (unauthorized attachments, 3rd party structures, burn marks) (Enables 18.002)
B. Structural damage (Fracture, buckling, cracks, exterior damage) (Enables 18.003)
C. Damage to Anchor Bolts or foundation (Notification Required)
Streetlight Pole Problem statement: REPLC DAMAGE PUBLIC STLTPOLE
D. Animal nest with potential to contact energized component or interfere with equipment operation (Notification Required)
E. No abnormal conditions
F. Unable to determine due to access

18.002 Indicate which of the following defects are present on or around the structure. Select all that apply. (Enabled by 18.001[A])
A. Unauthorized attachment (Notification Required)
B. 3rd party structure touching or surrounding SCE structure (Notification Required)
C. Burn marks or signs of exposure to fire

18.003 Indicate if any of the following types of structural damage are observed on the pole. Select all that apply. (Enabled by 18.001 [B])
A. Fracture or buckling of exterior wall (Notification Required)
B. Visual cracks or rupture of exterior surface exposing interior (Notification Required)
C. Vandalism that affects the structural integrity (i.e. gun damage) (Notification Required)

DOWN GUYS (0.014F, 13.001A, 13.002, 13.004, 13.005, 13.006. 13.007, 13.008, 13.009, 13.010, 13.011, 13.012, 13.013, 13.014, 13.019, 13.020)

0.014F How many SCE down guys are installed on this structure?
A. Answer choices will be 1-10

13.004 Are any of the following down guy conditions observed? Select all that apply.
A. Damage (broken, missing, loose, guys, hardware or anchors) (Enables 13.001A)
B. Inadequate clearance (Enables 13.002)

C. Sag or extreme slack (Notification Required)
D. No abnormal conditions
E. Unable to determine due to access

13.001A Indicate which of the following types of damage to SCE distribution down guys are observed. Select all that apply. (Enabled by 13.004 [A])

A. Guys broken/damaged, pole leaning, public hazard (Notification Required)
B. Guys missing, pole leaning, public hazard (Notification Required)
C. Guys broken/damaged, pole not leaning (Notification Required)
D. Guys missing, pole not leaning (Notification Required)
E. Anchor rod(s) broken/corroded, pole leaning, public hazard (Notification Required)
F. Anchor rod(s) missing, pole leaning, public hazard (Notification Required)
G. Anchor rod(s) broken/corroded, pole not leaning (Notification Required)
H. Anchor rod(s) missing, pole not leaning (Notification Required)
I. Vegetation causing significant strain and/or visible abrasion (Notification Required) (Disabled by SV001 [B])

13.002 Is there inadequate clearance between down guy and any of the following? Select all that apply. (Enabled by 13.004 [B])

A. SCE Energized components (Notification Required)
B. SCE non-energized electrical components (Notification Required)
C. Communication facilities

13.006 Which of the following SCE distribution down guy anchor types exist? Select all that apply. (Disabled by SV002 [C])

A. 3 Eye (Enables 13.007, 13.008)
B. 2 Eye (Enables 13.010)
C. 1 Eye (Enables 13.011)
D. Buried anchor (Notification Required) (Enables 13.012)
E. Extension rod (Enables 13.013)
F. No anchor present
G. Other (comment) (Enables 13.014)
H. Unable to determine due to access
I. *Unable to verify due to access*

13.007 Quantity of 3 Eye anchors (Enabled by 13.006 [A])

A. Answer choices will be 1-10

13.008 Indicate the type for all 3 Eye Anchors by identifying the stamp or construction configuration. Select all that apply. (Enabled by 13.006 [A])

A. C-1¼-10
B. C-1-10
C. C-1¼
D. C-Rock Anchor
E. D
F. M26

G. J
H. K Triple Eye (K Trip)
I. M
J. PISA (Enables 13.009)
    - PHOTO: Capture a picture of each distribution guy anchor.
K. Unable to determine – no stamp
L. Unable to determine – stamp altered/tampered
M. Unable to determine – stamp unreadable
N. Unable to determine – no access to anchor

13.009 Is there truck access to the PISA anchors at the time of inspection: (Enabled by 13.008 [J])

A. Yes, truck access exists
B. No, truck access is not possible
C. Unsure, but truck access may be possible
D. Unable to determine

13.010 Quantity of 2 Eye anchors (Enabled by 13.006 [B])

A. Answer choices will be 1-10

13.011 Quantity of 1 Eye anchors (Enabled by 13.006 [C])

A. Answer choices will be 1-10

13.012 Quantity of buried anchors (Enabled by 13.006 [D])

A. Answer choices will be 1-10

13.013 Quantity of anchor extension rods (Enabled by 13.006 [E])

A. Answer choices will be 1-10

13.014 Quantity of other anchors (Enabled by 13.006 [G])

A. Answer choices will be 1-10
    - PHOTO: Capture a picture of each distribution guy anchor. Include any stamp/marking if visible.

13.019 What types of guy wire attachments are present in the public level? Select all that apply.

A. Automatic / Bump
B. Pre-Form
C. Fiberglass strain insulator
D. Porcelain strain insulator
E. 2-Bolt
F. 3-Bolt
G. Choker
H. Other
I. Unable to determine due to access

13.020 Are any down guy anchor rods exposed more than 18 inches above ground level, measured along the anchor? Select the worst-case scenario.

A. Yes, one or more anchor rods are exposed 48 inches or more above ground level (Notification Required)
B. Yes, one or more anchor rods are exposed more than 18 inches, but less than 48 inches above ground level
C. No, all anchor rods are exposed 18 inches or less above ground level
D. Unable to determine due to access

RISERS/TERMINATIONS (14.003)

14.003 Indicate if any of the following Riser conditions are observed on the structure. Select all that apply or select "No abnormal conditions".

A. Cables in Riser exposed (Notification Required)
B. Riser broken (Notification Required)
C. Riser swollen (Notification Required)
D. In contact with animal nest (Notification Required)
E. Non-Schedule 80 Riser installed (Notification Required)
F. No abnormal conditions
G. Unable to determine due to access

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 4 - S C E - 0 3

To: Energy Safety
Prepared by: Angeli-Ann Kim
Job Title: Senior Advisor
Received Date: 4/29/2024

Response Date: 5/2/2024

Question 08:
Regarding SCE-23-13: Addressing Backlogged Work Orders

In response to ACI SCE-23-13: Addressing Backlogged Work Orders, SCE states that it has "updated its prioritization formula to rank all of its open notifications, not just past-due notifications." Provide the prioritization formula described here.

Response to Question 08:

SCE took the following factors into consideration when building a new formula which would risk-rank all open work orders and normalizes each factor to have values between 0 and 1, which is aggregated to result in a percentile ranking scale:

- Technosylva Consequence Score (TS): The Technosylva consequence model estimates the potential spread of a fire over a given time, as well as the corresponding impact of a fire in natural units – structures, acres, and population[1].
- Probability of Ignition (POI): POI is the sum of the ignition component probabilities at a given location (i.e., Equipment Ignition Likelihood, Contact from Vegetation Ignition, and Contact by Object Ignition Likelihood)[2].
- Problem Statement Score (PS) considers the severity of the issue found on a scale of 0 to 11.25.
- Date Ratio (DR) which identifies how close the notification is to the due date
    - The Date Ratio (DR) is a simple fraction representing the progress of time from the creation of a notification to its due date, relative to the current date. Mathematically, it's calculated as (Current Date – Notification Creation Date / Due Date - Notification Creation Date). For example, if a notification was created on 4/1/24, with a due date of 10/1/24, and the current date is 5/1/24, the DR is 30 / 183, which is approximately 0.16.
- An adder for Areas of Concern (summer and/or fall) and Public Safety Power Shutoff Circuit with PSPS related work
    - An asset located within a summer or fall AOC is given a score of 1, while assets

[1] See SCE's 2023 – 2025 WMP, R1, 10/26/2023, page 195.
[2] See SCE's 2023 – 2025 WMP, R1, 10/26/2023, page 117.

outside of AOC are given a score of 0

- A PSPS circuit can have a score ranging from 0 - 1, depending on whether the circuit has been de-energized in the past, due to a PSPS event

$$\left(\frac{AOC}{5}\right) + \left(\frac{PSPS}{5}\right) + \left(\frac{TS}{5}\right) + \left(\frac{DR}{5}\right) + \left(\frac{0.5 \times (POI + PS)}{5}\right)$$