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Docket# 2024-EC_ARC

April 1, 2025

Caroline Thomas Jacobs, Director
Office of Energy Infrastructure Safety
715 P Street 20th Floor
Sacramento, CA 95814

SUBJECT: Southern California Edison Company's 2024 Wildfire Mitigation Plan Annual Report on Compliance (ARC) Pursuant to California Public Utilities Code Section 8386.3(c)(1)

Dear Director Caroline Thomas Jacobs,

Pursuant to California Public Utilities Code (PU Code) § 8386.3(c) and Energy Safety's Compliance Guidelines issued on September 5, 2024, Southern California Edison Company (SCE) submits this annual report addressing compliance with its Wildfire Mitigation Plan (WMP) during calendar year 2024.

If you have questions, or require additional information, please contact me at gary.chen@sce.com.

Sincerely,

//s//
Gary Chen
Director, Safety and Infrastructure Policy, Regulatory Affairs
Southern California Edison

1 INTRODUCTION

On March 27, 2023, SCE submitted its 2023-2025 WMP.[1] For 2024, SCE tracked 37 specific wildfire-related activities, including grid hardening, asset inspection and repair, vegetation management, situational awareness, emergency preparedness, community outreach, and Public Safety Power Shutoffs (PSPS). SCE substantially met its 2024 year-end WMP targets, meeting or exceeding 32 of the 37 targets.

Consistent with Public Utilities Code (PUC) § 8386.3(c)(1), which states that each electrical corporation shall file with the Office of Energy Infrastructure Safety (Energy Safety) a report addressing the electrical corporation's compliance with its plan during the prior calendar year, SCE submits this report addressing annual compliance for the 2024 calendar year.

The italicized language in this report represents verbatim reproductions of the language from Energy Safety's Compliance Guidelines[2] for required content for this report.

SCE has organized this report into the following sections, consistent with the Compliance Guidelines:

1. Introduction
2. SCE Responses to Annual Compliance Report Requirements
    I. Plan Objectives
    II. 3-Year and 10-Year Objectives: In-Flight
    III. 3-Year and 10-Year Objectives: Completed
    IV. Targets Assessment
    V. 2024 Change Orders
    VI. Initiative Expenditures
3. Attachment A: SCE Q4 2024 WMP Progress Update
4. Attachment B: SCE 2024 WMP Cost Variance Explanation

[1] SCE's 2023-2025 WMP is available at: https://www.sce.com/safety/wild-fire-mitigation. The current version is dated November 4, 2024, and reflects corrections due to errata and approved target changes from SCE's 2025 WMP Update.

[2] See "Office of Energy Infrastructure Safety – Compliance Guidelines", issued September 5, 2024, available at Compliance Guidelines.

2 SCE RESPONSES TO ANNUAL COMPLIANCE REPORT REQUIREMENTS

I. Plan Objectives

(a) A description of the electrical corporation's progress towards achieving the summarized objectives for the three- and ten-year WMP plan cycles, as identified in its most recently approved WMP. Progress must be discussed individually for each stated objective.

SCE Response: Below, SCE has provided each Plan Objective from Section 4.2 of its approved 2023-2025 WMP and its current progress towards achieving the objective.

#	Plan Objective	2024 Progress Update
1	Reduce the likelihood that objects will contact power lines and lead to an ignition by hardening most of the overhead distribution system in our high fire risk area with either covered conductor or targeted undergrounding, developing an expanded transmission grid hardening strategy, and continuing to maintain vegetation clearance distances for trees and vegetation that could potentially contact power lines.	SCE continues to make progress on its objective to improve grid design, operations, and maintenance. From 2023 to 2024, SCE continued its progress to harden the distribution grid through execution of approximately 2,016 miles of its Covered Conductor program (SH-1) and approximately 17 miles of Targeted Undergrounding (SH-2). As of year-end 2024, approximately 70% of overhead distribution miles in SCE's HFRA has been hardened. SCE also successfully executed additional hardening programs such as long span remediations, fusing mitigation, and installation of new sectionalizing devices. SCE continues to develop its transmission hardening strategy. SCE met its Vegetation Management targets in 2024, reducing the likelihood of vegetation contacts resulting in ignitions.
2	Reduce the likelihood that equipment will fail and lead to an ignition, by continuing to perform asset inspection initiatives that inspect over 99% of wildfire risk in our HFRA each year and by deploying new technologies that can detect when issues on the system may arise.	SCE continues to perform asset inspections to meet its objective of reducing the likelihood of ignitions due to equipment failure. SCE completed its 2024 risk-informed inspections on distribution, transmission, and generation assets in HFRA using the Integrated Wildfire Mitigation Strategy (IWMS) framework for prioritization. In 2024, SCE continued implementation of two technology applications, InspectForce and FMP360, which are valuable tools in the inspection process.
3	Prioritize the deployment of our mitigation initiatives to the areas that have the greatest potential to lead to the most consequential wildfire and PSPS impacts.	SCE continues its IWMS execution and uses risk analysis to prioritize the deployment of mitigations in the areas with potential for extreme wildfire events. SCE completed or exceeded its targets on 32 out of 37 WMP activities and continued to apply its IWMS Risk Framework to mitigation scoping, which includes elements based on PSPS risk. SCE also met its target to install five RAR/RCS sectionalizing devices, which aim to reduce the scope of PSPS events.
4	Improve the efficiency and effectiveness of our vegetation management activities to reduce the risk of vegetation-caused ignitions.	SCE continues to implement its vegetation management objectives. SCE consolidated ground inspections for its Routine Line Clearing, Hazard Tree Management Program (HTMP), and Dead, Dying, and Diseased Tree Removal programs leading to more efficient work management. SCE continues to supplement ground-based inspections with remote sensing methodologies and to implement the Arbora technology platform.

#	Plan Objective	2024 Progress Update
5	Improve the operational efficiency and effectiveness of our wildfire mitigation initiatives by enhancing program deployment strategies, leveraging information technology solutions, and incorporating new technologies where possible.	SCE continued to enhance the operational efficiency and effectiveness of its wildfire mitigation initiatives in 2024. Key progress included continued use of 360 inspections to reduce multiple visits, improving situational awareness tools, and piloting artificial intelligence (AI)/machine learning (ML) for asset defect detection from asset imagery. SCE also deployed technology tools like FMP360, InspectForce, Ezy Data, and WiSDM for inspections and wildfire reporting. Additionally, SCE adopted satellite imagery to detect vegetation encroachment, continued evaluating transmission hardening solutions, and deployed emerging technologies, including Rapid Earth Fault Current Limiter (REFCL) and Transmission Open Phase Detection (TOPD).
6	Continue to improve our situational awareness capabilities by enhancing weather and fire potential modeling and forecasting, which will aid PSPS decisions and wildfire mitigation deployment.	SCE built on its progress from 2023 to continue to enhance its situational awareness capabilities. In 2024, SCE added or updated machine learning at an additional 441 weather station locations. SCE also continued development of a new Fire Potential Index (FPI) 2.0 to account for the diversity of fuel conditions across its service area and enhance deployment of PSPS.
7	Reduce the impacts of PSPS to customers, particularly those with Access and Functional Needs, through expanded customer offerings, communications, and circuit-specific strategies to minimize the need for PSPS altogether.	SCE continues to make progress in reducing PSPS impacts on customers with Access and Functional Needs (AFN). The PSPS 211 Service provided personalized safety plans and direct support during PSPS events such as food, transportation, and lodging. The Disability Disaster & Access Resources (DDAR) program collaborated with local organizations to disseminate information and offer battery support, while Community Based Organizations (CBOs) worked with counties to meet customer needs, particularly in transportation.
8	Maintain a comprehensive, all-hazards planning and preparedness program to: provide effective emergency response; safely and expeditiously restore service during and after a major event; and communicate effectively with customers, stakeholders, and agency partners.	SCE continues to implement its emergency preparedness objectives and continued its mature and established range of emergency planning and preparedness activities, consistent with its reported progress in 2023. SCE's All-Hazards Emergency Operations Plan was crucial in coordinating responses to various hazards, ensuring continuity of critical operations during emergencies. SCE conducted targeted annual training for field workers and Incident Management Team (IMT) members, enhancing their ability to respond effectively. SCE used its IMT structure in approximately 30 activations in response to emergency events.
9	Deploy new technologies and updated protection device settings to improve wildfire mitigation effectiveness while balancing reliability impacts to customers.	SCE continues implementation of this this objective. In 2024, SCE met or exceeded its goals for protection devices and strategies, including advancements in Fast Curve settings, remote automatic reclosers, and TPOD. Additionally, SCE made progress on the REFCL implementation, completing below-ground construction at one substation. See response above on plan objective #5 for information technology implementation.

II. Three- and Ten-Year Objectives: In-Flight

(b) A description of the electrical corporation's progress towards achieving the three- and ten-year detailed objectives listed in the tables in Section 8 of its WMP, including all subsections, with completion dates within the recently completed compliance period. Each objective must be discussed individually and, at a minimum, include the following:

1. *A listing of the initiative(s) and associated tracking identification numbers the electrical corporation is implementing to achieve the objective.*
2. *Reference(s) to the WMP section(s) or appendix, including page numbers, where the details of the objective are documented and substantiated.*
3. *The completion date listed in the approved WMP.*
4. *A summary of the electrical corporation's progress made during the most recently completed compliance period.*

SCE Response: Please see the table below, which is consistent with the format and numbering of the WMP tables, with a column added to provide SCE's progress update.

Objective Type	WMP Table	Objective	Applicable Initiative(s), Tracking ID(s)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)	2024 Progress Update
3-year plan	Table 8-1 - Grid Design, Operations, and Maintenance	Continue to perform targeted grid hardening to minimize impact on customers by reducing the scope and frequency of PSPS.	• WCCP (SH-1) • TUG (SH-2)	Completion of planned targeted covered conductor and/or sectionalization devices each year (which can be through work orders, GIS maps, etc.)	2025	Section 8.1.2, pp. 250-257	SCE continued to make progress on grid hardening activities. In 2024, SCE completed 796.03 circuit miles of covered conductor for SH-1 and converted 11.88 overhead circuit miles underground for SH-2.
3-year plan	Table 8-1 – Grid Design, Operations, and Maintenance	Continue to prioritize grid hardening deployment based on the IWMS Risk Framework	• WCCP (SH-1) • TUG (SH-2) • REFCL (SH-17, SH-18) • Long Span Initiative (SH-14) • Tree Attachment Remediation (SH-10) • Remote Controlled Automatic Reclosers (SH-5) • CB Relays & Fast Curve (SH-6) • Vibration Dampers (SH-16) • Fire Resistant Wrap Retrofit (8.1.2.3.2) • Vertical Switches (SH-15) • Transmission IWMS (8.1.2.12.1)	Measuring how much of grid hardening mitigation deployed (e.g., number of circuit miles, number of units, number of structures, etc.) is aligned with IWMS	2025	Sections 8.1.2, pp. 250-277, 8.1.8, pp. 331-342 and pp. 8.3.3, 467-492	SCE continued to apply the IWMS, consistent with how SCE described the IWMS and its applications in the WMP. For example, approximately 90% of SCE's covered conductor implementation in 2024 was in SCE's Severe Risk Area and High Consequence Area risk tiers.
3-year plan	Table 8-1 - Grid Design, Operations, and Maintenance	Continue to deploy protection system mitigations and also refine circuit protection strategies to further reduce wildfire risk while balancing system reliability	• Distribution Open Phase Detection (8.1.8.1.3.3) • Transmission Open Phase Detection (SH-8) • CB Relays & Fast Curve (SH-6) • High Impedance Relay (8.1.8.1.3.1) • Branch line Protection Strategy (SH-4)	Validation of system updates or installations or review of pertinent outage, event, ignition, risk and/or reliability data to evaluate effectiveness	2025	Sections 8.1.2, pp. 250-277, 8.1.8, pp. 331-342 and 8.3.3, pp. 467-492	SCE continued implementation of protection devices and settings, consistent with its plans as described in the WMP. As of year-end 2024, SCE upgraded or replaced 11 circuit breaker (CB) relay units. SCE also retrofitted TOPD at five locations that serve HFRA circuitry with both alarm and trip functionality. For branch line protection, additional fuse replacements will be completed as part of scheduled maintenance opportunities.
3-year plan	Table 8-1 - Grid Design, Operations, and Maintenance	Continue evaluation of emerging technologies to determine if any should be added to the grid hardening wildfire mitigation portfolio	• Remote Grid (8.1.2.9.1) • Spacer Cable	Provide report of remote grid and spacer cable that includes recommendations for plan and strategy going forward	2025	Section 8.1.2, pp. 274-275, 251-253	Remote grid evaluations have further refined potential sites based on feasibility. SCE is not moving forward with spacer cable, as reported in its 2023 ARC.
3-year plan	Table 8-1 - Grid Design, Operations, and Maintenance	Perform assessments of transmission hardening options and develop potential pilots/programs (contingent upon results of assessments)	• Transmission IWMS (8.1.2.12.1) • High-risk transition spans	Provide report of transmission grid hardening assessment that includes recommendations for plan and strategy going forward	2025	Sections 8.1.2 p. 278, 8.1.3.2, pp. 289-293	SCE continued its efforts to analyze transmission hardening options.

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3-year plan	Table 8-1 - Grid Design, Operations, and Maintenance	Evaluate and update the inspection form regarding distribution and transmission High Fire Risk-Informed (HFRI) inspections to reduce time required for data capture while still capturing critical information and incorporating lessons learned of potential failure modes.	• Inspections and Remediations - Distribution High Fire Risk-Informed (HFRI) Inspections and Remediations (IN-1.1) - Transmission FRI Inspections and Remediations (IN-1.2) • Inspection Work Management Tools - Inspection and Maintenance Tools (IN-8) - Asset Defect Detection using AI/ML (IN-8)	Revised/new version of inspection form	2025	Section 8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2) Section 8.1.3.5, pp. 319-325 (IN-8)	SCE continued its practice of regular evaluations of its HFRI inspection forms and periodic changes based on field feedback. SCE will continue to assess and update its inspection forms and processes as needed through 2025.
3-year plan	Table 8-1 - Grid Design, Operations, and Maintenance	Continue to align scope selection of inspection programs with the IWMS Risk Framework	• Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2) - Infrared Inspection of Energized Overhead Distribution Facilities and Equipment (IN-3) - Infrared Inspection, Corona Scanning, and High-Definition Imagery of Energized Overhead Transmission Facilities and Equipment (IN-4) - Generation High Fire Risk-Informed Inspections and Remediations in HFRA (IN-5)	Percent of overall risk inspected annually for each program	2025	Section 8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2) Section 8.1.3.5, pp.297-299 (IN-3) Section 8.1.3.6, pp. 300-302 (IN-4) Section 8.1.3.7, pp. 303-304 (IN-5)	SCE continued to use IWMS for a risk-informed inspection program scope and frequency, consistent with how it described its plans in the WMP.
3-year plan	Table 8-1 - Grid Design, Operations, and Maintenance	Develop and implement risk-prioritized remediations to reduce backlog of asset notifications	• Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2)	Number of past due notifications and associated risk of those notifications	2025	Section 8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2)	SCE prioritizes its notifications, including backlogged notifications, by incorporating a risk-based notification prioritization approach to inform remediation of asset notifications.
10-year plan	Table 8-2 - Grid Design, Operations, and Maintenance	Complete all proactive wildfire mitigation grid hardening.	• WCCP (SH-1) • Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2)	All IWMS areas identified have been hardened with the appropriate mitigation based on all factors considered (e.g., feasibility)	2032	Section 8.1.3.1, pp.282-289 (IN-1.1) Section 8.1.3.2, pp.289-293(IN-1.2)	SCE continues to make progress on installation of covered conductor and targeted undergrounding. SCE continues its progress to meet the 10-year objective to complete proactive wildfire mitigation grid hardening by 2032.
10-year plan	Table 8-2 - Grid Design, Operations, and Maintenance	Obtain and implement more programmatic permitting that allows more streamlined execution of grid hardening work	• WCCP (SH-1) • TUG (SH-2) • Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2)	Programmatic permit documents that were executed	2026-2028	Section 5.4.5 - Environmental Compliance and Permitting, pp. 83-88	SCE has focused on strategies to streamline identification and resolution of permitting issues, especially with regard to undergrounding, and continues its progress for this 10-year objective.

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10-year plan	Table 8-2 - Grid Design, Operations, and Maintenance	Scale any new successful emergent technologies to supplement existing foundational grid hardening mitigations	• Hi-impedance relays (Hi-Z) (8.1.8.1.3.1) • Distribution Open Phase Detection (DOPD) (8.1.8.1.3.3) • Remote grid (8.1.2.9.1) • Transmission Open Phase Detection (TOPD) (SH-8)	Alignment between work being performed and output/ recommendations from technologies and pilots	2032	Section 8.1.8.1.3, p. 334, p. 335, p. 337 Section 8.1.2.9.1, p. 274-275	SCE continues to advance its efforts on Hi-Z, DOPD, remote grids, and TOPD, and continues its progress for this 10-year objective. SCE's latest plans for these programs will be included in its next WMP, covering 2026-2028.
10-year plan	Table 8-2 - Grid Design, Operations, and Maintenance	If feasible and applicable, implement programs/pilots resulting from integrated transmission hardening strategy development and analysis	• Transmission IWMS (8.1.2.12.1) • High-risk transition spans	Alignment between work being performed and output/recommendations from transmission IWMS assessment	2032	Section 8.1.3.2, pp.289-293 (IN-1.2), Section 8.1.2.12, p.278	SCE is implementing this 10-year objective; the results of the 3-year objective on transmission hardening will help to inform SCE's longer-term approach.
10-year plan	Table 8-2 - Grid Design, Operations, and Maintenance	Integrate artificial intelligence AI/ ML analytical tools into inspection image data analysis to identify assets and defects	• Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2) - High Risk Transition Spans • Inspection Work Management Tools - Inspection and Maintenance Tools (IN-8) - Asset Defect Detection using AI/ML (IN-8)	Number of AI/ML image models deployed	2032	Section 8.1.3.1, pp.282-289(IN-1.1) Section 8.1.3.2, pp.289-293(IN-1.2) Section 8.1.3.5, pp.297-299(IN-3)	SCE is implementing this 10-year objective and is evaluating AI/ML for inspection image analysis. For example, SCE is piloting the use of AI/ ML models for (1) object detection, which involves answering inspection survey questions to identify equipment attributes, and (2) condition detection, which involves using AI models to supplement the identification of conditions which enables a quality review of inspection findings.
10-year plan	Table 8-2 - Grid Design, Operations, and Maintenance	Integrate new technological tools into data collection for asset inspections (e.g., LiDAR) to identify defects (e.g., clearance issues) that need remediation	• Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2) - High Risk Transition Spans • Inspection Work Management Tools - Inspection and Maintenance Tools (IN-8) - Asset Defect Detection using AI/ML (IN-8)	Number of assets inspected using new technological tools	2032	Section 8.1.3.1, pp.282-289(IN-1.1) Section 8.1.3.2, pp.289-293(IN-1.2) Section 8.1.5, pp. 319-325(IN-8)	SCE is implementing this 10-year objective and is making progress in integrating new technological tools into data collection for asset inspections. SCE is exploring the application of LiDAR technology to enhance asset inspection.
10-year plan	Table 8-2 - Grid Design, Operations, and Maintenance	Maintain backlog at minimum levels and with as little fire risk as possible	• Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2)	Number of past due notifications and associated risk of those notifications	2032	Section 8.1.3.1, pp.282-289(IN-1.1) Section 8.1.3.2, pp.289-293(IN-1.2)	SCE uses a risk prioritization approach (which includes factors such as wildfire consequence, probability of ignition (POI), areas of concern (AOC), PSPS risk, and problem statement ranking) to further prioritize open and backlogged work orders. In 2024, SCE established commitments in the WMP update for closure of backlogged work orders in SCE's ACI response SCE-23-13. SCE's 2026-2028 WMP will include SCE's plans for 2026 and beyond.

Objective Type	WMP Table	Objective	Applicable Initiative(s), Tracking ID(s)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)	2024 Progress Update
3-year plan	Table 8-12 - Vegetation Management and Inspections Implementation Objectives	Complete Joint-IOU Effectiveness of Expanded Clearances Study	Routine Line Clearing (VM-7, VM-8), Expanded Clearances (VM-7, VM-8)	Report from third party project manager	2025	Section 8.2.3.3.1 Expanded Clearing, pp. 412-418	SCE continues with this objective and will report on the latest status in its 2026-2028 WMP, including completion of the third-party study.
3-year plan	Table 8-12 - Vegetation Management and Inspections Implementation Objectives	Deploy consolidated inspection strategy and transition to circuits from grids	Distribution and Transmission inspections (VM-7, VM-8); Hazard Tree Management Program (HTMP) (VM-1); Dead & Dying Tree Removal (VM-4)	Documentation of percentage completion as compared to the master schedule.	2025	Section 8.2.2 Vegetation Management Inspections, pp. 384-408 Section 8.2.3.3.1 Expanded Clearing, pp. 412-418 Section 8.2.3.4 Fall-In Mitigation, pp. 418-422	SCE has implemented a consolidated inspection strategy to improve contractor management, optimize work scheduling, and support the transition from grid-based to circuit-based inspections. This involves requiring pre-inspection contractors to perform inspection across all three vegetation management programs: Routine Line Clearing, Hazard Tree Management Program, and Dead and Dying Tree Removal.
3-year plan	Table 8-12 - Vegetation Management and Inspections Implementation Objectives	Develop and implement a risk-informed process to minimize backlog	Distribution and Transmission inspections (VM-7, VM-8); HTMP (VM-1); Dead & Dying Tree Removal (VM-4)	For Routine Line Clearing, target the completion of prescribed mitigation work within 60 days from planned month, subject to constraints. For HTMP and Dead and Dying Tree Removal, target the completion of prescribed work within 180 days of assignment.	2025	Section 8.2.6 Open Work Orders, pp. 432-438	SCE continues its progress from 2023 and continues its progress to use a risk-informed process for routine line clearing (i.e., VM-7 and VM-8) to refine prioritization of work using variables including aging, tree growth rate, clearance distance, and others.
3-year plan	Table 8-12 - Vegetation Management and Inspections Implementation Objectives	Make substantial progress on evaluating remote sensing technology for vegetation inspections	LiDAR (VM-9, VM-10), Satellite Technology	Develop report on progress	2025	Section 8.2.2.4 Remote Sensing Inspections, pp. 398-408	SCE continues its progress from 2023 to use remote sensing as a complement and/or replacement for traditional ground inspections.
10-year plan	Table 8-13 - Vegetation Management Implementation Objectives	Replace a majority of ground inspection for vegetation line clearing in HFRA with remote sensing technology (e.g., LiDAR, satellite), subject to the evolution and effectiveness of the technology	LiDAR (VM-9, VM-10), Satellite Technology	Total Number of HFRA miles of vegetation inspections performed with remote sensing and total reduction in ground inspections.	2033	Section 8.2.2.4 Remote Sensing Inspections, pp. 398-408	SCE continues to implement this 10-year objective, and notes that the final extent of remote sensing utilization depends on its success as a replacement for ground inspections.

Objective Type	WMP Table	Objective	Applicable Initiative(s), Tracking ID(s)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)	2024 Progress Update
10-year plan	Table 8-13 - Vegetation Management Implementation Objectives	Create and implement predictive growth model to facilitate "auto prescription" to reduce the frequency of manual or remote inspection in HFRA.	LiDAR (VM-9, VM-10), Satellite Technology	Total Number of HFRA miles auto-prescribed trims, reduction in ground inspections.	2033	Section 8.2.2.4 Remote Sensing Inspections, pp. 398-408	SCE continues to implement this 10-year objective. In 2024, SCE continued an ongoing pilot to evaluate satellite-based inspections for vegetation management, engaging multiple vendors to compare their capabilities. Satellite-based inspections have shown potential to reduce the frequency of manual or remote inspections in HFRA by detecting vegetation encroachment and tree species and tree health, subject to arborist review and interpretation. SCE will continue to explore the use of satellite-based inspections including auto-prescription of vegetation trims and removal.
10-year plan	Table 8-13 - Vegetation Management Implementation Objectives	Optimize vegetation inspection cycles/prescriptions based on risk factors (e.g., species, wind) for more granular locations	Routine Line Clearing (VM-7, VM-8), HTMP (VM-1), Dead & Dying Tree Removal (VM-4)	Updated vegetation protocols with revised inspection schedule and/or trim instructions to account for risk analysis	2028	Section 8.2.3.3.1 Expanded Clearing, pp. 412-418 Section 8.2.3.4 Fall-In Mitigation, pp. 418-422	SCE continues to implement this 10-year objective and evolve its vegetation management programs to align with current risk methodologies, including based on species and local conditions such as wind.
10-year plan	Table 8-13 - Vegetation Management Implementation Objectives	Obtain and implement programmatic permits to facilitate timely vegetation management work execution	Routine Line Clearing (VM-7, VM-8), HTMP (VM-1), Dead & Dying Tree Removal (VM-4)	Programmatic permit documents that were executed	2026-2028	Section 5.4.5 - Environmental Compliance and Permitting, pp. 83-88	SCE continues to implement this 10-year objective. In 2024, SCE collaborated with the California Department of Fish & Wildlife to streamline approvals for essential vegetation management activities. Additionally, SCE has made significant strides with the Bureau of Land Management for a programmatic permit agreement, with approvals from the Bakersfield Field Office in place as of Q4 2024 and further approvals anticipated by 2026.
3-year plan	Table 8-21 - Situational Awareness Initiative	Increased data collection (through additional weather station deployment, explore increased collection intervals, and additional SCE HD camera deployment) to expand situational awareness of real-time conditions and refine weather models	Weather Stations, SA-1, HD Cameras, SA-10 Satellite & Other Imaging Technology, SA-10	SA-1: GIS data, increase frequency of reads SA-10: Additional GIS data, data camera feed on vendor network.	SA-1: 2025 SA-10: 2024	Section 8.3.2.1.1 Weather Stations (SA-1), pp. 454-459 Section 8.3.4.1.1 (HD Cameras SA-10), pp. 492- 497 Section 8.3.4.1.2 (Satellite& Other Imaging Technology SA-10), pp. 494-498	SCE continues to implement this objective, building on progress from 2023 and meeting WMP program targets for situational awareness.

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3-year plan	Table 8-21 - Situational Awareness Initiative	Expand data analysis supporting wildfire mitigation efforts, advance fire potential forecasting further, and improve modeling efforts as it relates to fire science	Fire Science, SA-8	Additional data sets, analysis results, operational products	Ongoing	Section 8.3.2.1 Existing Systems, Technologies and Procedures pp. 453-464; Section 8.3.4 Ignition Det. Sys. pp. 490-501	SCE continued its efforts by utilizing FPI 2.0 and Fire Behavior Matrix, including fire weather day selection for FireSight 8 and 9. SCE continuously evaluates and adjusts the fuel sampling program to account for the diversity of fuel conditions across SCE's service area. In 2024, three additional sites on Catalina Island were sampled quarterly to compare fuel moisture values with mainland areas. SCE collaborated with Technosylva to update live fuel moisture models for additional vegetation types, using historical data and external sources. They also created a new data feed for one-kilometer resolution ensemble forecast data for fire spread modeling. SCE worked with the University of Colorado, Boulder to develop a Vegetation Build-Up Index containing remote sensing data.
3-year plan	Table 8-21 - Situational Awareness Initiative	Increase ability to detect issues (e.g., damage and degradation) on the electric grid prior to risk events occurring	Early Fault Detection (D&T), SA-11	Number of EFD devices deployed	Ongoing	Section 8.3.3.1.1, Radio Frequency Monitors: Early Fault Detection (EFD) (SA-11), p. 469	SCE installed 53 EFD units and performed related data analysis and evaluation.
3-year plan	Table 8-21 - Situational Awareness Initiative	Review emerging technologies to improve weather situational awareness and forecasting capabilities for potential evaluation or adoption	Weather & Fuels Modeling, SA-3	Technical report from academic or vendor work, and/or new product outputs.	Ongoing	Section 8.3.5, Weather Forecasting, pp. 499-515	SCE continues to be a member of the Wildfire Interdisciplinary Research Center through San Jose State University in which various projects related to wildfire science are funded and supported for possible future operational use. SCE continues to partner with the University of California, Santa Barbara to devise a new method to derive more complete wind risk profiles along infrastructure during PSPS events and to develop local nowcasting techniques. SCE continues to evaluate its partnerships on an ongoing basis as its needs and priorities evolve.

Objective Type	WMP Table	Objective	Applicable Initiative(s), Tracking ID(s)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)	2024 Progress Update
3-year plan	Table 8-21 - Situational Awareness Initiative	Continue to increase situational awareness and improve the accuracy of weather forecasting to help optimize the scope of PSPS events	Weather Stations, SA-1, Weather & Fuels Modeling, SA-3, Fire Science, SA-8, HD Cameras, SA-10	SA-1: Continue installing new weather stations, commitment of 85. Upgrade more stations for dual comms for real-time reads capabilities. SA-3 and SA-8: Weather and fuel forecast output from operational systems and associated verification and/or technical reports. SA-10: Continued installs of HD	Ongoing; annual scope	Section 8.3.2.1.1 Weather Stations (SA-1), pp. 454-458 Section 8.3.5, Weather Forecasting, pp. 499-514 Section 8.3.2.1 Existing Systems, Technologies and Procedures pp. 453-462; Section 8.3.4 Ignition Det. Sys. pp. 490-497 Section 8.3.4.1.1 (HD Cameras SA-10), p. 492-497	SCE has met or exceeded all referenced targets related to situational awareness, including installation of HD cameras and weather stations. SCE has also performed weather model validations to increase situational awareness.
10-year plan	Table 8-22 - Situational Awareness Initiative Objectives	Incorporate climate modeling (e.g., impacts of climate change) into medium- and long-term weather and fire potential forecasts	SA-3 SA-8	Provide commentary on trends in weather, fuels, and fire potential. Develop new products.	2028	Section 8.3.5, Weather Forecasting, pp. 499-514 Section 8.3.2.1.2 Existing Systems, Technologies and Procedures pp. 457-462; Section 8.3.4 Ignition Det. Sys. pp. 490-501	SCE continues to implement this 10-year plan and is integrating climate modeling into both its WMP activities and related California Public Utilities Commission (CPUC) proceedings, where relevant.
10-year plan	Table 8-22 - Situational Awareness Initiative Objectives	Continue to incorporate technologies and pilots into grid monitoring	Early Fault Detection (D&T), SA-11	Grid monitoring procedure updates.	2032	Section 8.3.3.1.1, Radio Frequency Monitors: Early Fault Detection (EFD) (SA-11), p. 469	SCE continues to implement this 10-year objective and has met or exceeded targets for grid monitoring programs such as EFD.
3-year plan	Table 8-33 - Emergency Preparedness Initiative Objectives	Maintain a comprehensive all-hazards planning and preparedness program to provide effective emergency response and to safely and expeditiously restore service during and after a major event.	Emergency Preparedness Plan (8.4.2)	Annual Filing	Yearly	Section 8.4.2 Emergency Preparedness Plan, pp. 529-551	SCE continues its progress from 2023. SCE maintained its Business Resiliency All-Hazards Emergency Operations Plan, which incorporates disaster and emergency preparedness and facilitates continuity of critical operations during emergencies. SCE also conducted targeted annual training for field workers and IMT members on how to respond to emergencies.

Objective Type	WMP Table	Objective	Applicable Initiative(s), Tracking ID(s)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)	2024 Progress Update
3-year plan	Table 8-33 - Emergency Preparedness Initiative Objectives	Provide effective and accurate communications to the public before, during and immediately following major outages and emergencies.	Public Emergency Communication Strategy (8.4.4)	Activity Reporting	Ongoing	Section 8.4.4 Public Emergency Communication Strategy, pp. 558-566	SCE continues its progress from 2023. SCE launched a targeted marketing campaign to educate customers about PSPS-dedicated programs and proactive wildfire preparedness. Enhancements to 2024 notifications included updated email subject lines with date and time stamps, added Estimated Restoration Time (ERT) statements to Advanced Initial and Initial notifications, and included American Sign Language (ASL) links in all SMS and email templates.
10-year plan	Table 8-34 - Emergency Preparedness Initiative Objectives	Refined emergency planning and preparedness practices and programs to support customers before, during, and following emergency events.	Customer Support in Wildfire and PSPS Emergencies (8.4.6)	Activity Reporting	Ongoing	Section 8.4.6 Customer Support in Wildfire and PSPS Emergencies, pp. 570-576	SCE continues to implement this 10-year objective and continues to maintain and/or mature its capabilities to support customers before, during, and after emergency events.
10-year plan	Table 8-34 - Emergency Preparedness Initiative Objectives	Ongoing implementation of lessons learned and findings from After Action Reports (AARs) and other external sources to continuously improve emergency response capabilities.	Emergency Preparedness Plan (8.4.2) External Collaboration and Coordination (8.4.3) Public Emergency Communication Strategy (8.4.4)	Activity Reporting AARs – completed after each exercise and real-world event. AARs include corrective action items for resolution that are managed to completion.	Ongoing	Section 8.4.2 (Emergency Preparedness Plan), pp. 529-551; Section 8.4.3 (External Collaboration and Coordination) pp. 550-560; Section 8.4.4 (Public Emergency Communication Strategy), pp. 558-566	SCE continues to implement this 10-year objective and is evaluating the results of the historically high number of PSPS events in 2024 and will implement lessons learned.
3-year plan	Table 8-53 - Community Outreach and Engagement Initiative Objectives	Actively collaborating with stakeholder networks and partnerships to better understand customer, community and stakeholder specific needs and develop tailored solutions, including AFN.	Public Outreach and Education Awareness Program and Section (8.5.2) Engagement with Access and Functional Needs Populations (8.5.3)	See Table 8-44 and Table 8-59	Ongoing	Section 8.5.2 Public Outreach and Education Awareness Program, pp. 583-602; and Section 8.5.3 Engagement with Access and Functional Needs Populations, pp. 601-605	SCE continues its progress from 2023. For example, SCE continued its partnerships with CBOs, including CBOs with a focus on supporting customers with AFN.

Objective Type	WMP Table	Objective	Applicable Initiative(s), Tracking ID(s)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)	2024 Progress Update
3-year plan	Table 8-53 - Community Outreach and Engagement Initiative Objectives	Meet at least quarterly to provide updates on PSPS enhancement efforts and solicit input for improvement areas in how SCE approaches PSPS overall and provides a forum for stakeholders to propose ways to improve all aspects of PSPS	PSPS Advisory Board Meetings (Public Outreach and Education Awareness Program (8.5.2))	CPUC Quarterly Update Report Post-meeting surveys	Ongoing	Section 8.5.2 Public Outreach and Education Awareness Program, pp. 583-602	SCE continues its progress from 2023, including hosting wildfire community safety meetings, and PSPS Advisory Board and PSPS Working Groups meetings.
10-year plan	Table 8-54 - Community Outreach and Engagement Initiative Objectives	Refine stakeholder engagement capabilities through tailored approaches for outreach, engagement and information exchange with customers, communities, and stakeholders	DEP-1 and DEP-4	Activity Reporting	Ongoing	Section 8.5.2 Public Outreach and Education Awareness Program, pp. 583-602	SCE continues to implement this 10-year objective. Longer-term refinements and approaches will continue to be informed by external feedback.
10-year plan	Table 8-54 - Community Outreach and Engagement Initiative Objectives	Continue to look for ways to expand engagement with agencies outside of CA, including supporting IWRMC's efforts to expand utility membership base and appoint leaders to its Executive Steering Group	Best Practice Sharing with Other Electrical Corporations (8.5.5)	Engagements with outside agencies	Ongoing	Section 8.5.5 Best Practice Sharing with Other Electrical Corporations, pp. 606-610	SCE continues to implement this 10-year objective, and conducted a webinar with EEI, FEMA, and discussion with CONED. SCE also meets regularly as part of the IWRMC to share information globally.

III. Three- and Ten-Year Objectives: Completed

(c) An assessment of the electrical corporation's completion of the three- and ten-year objectives listed in the tables in Section 8 of its WMP, including all subsections, with completion dates within the most recently completed compliance period. Each stated objective must be discussed individually and, at a minimum, include the following information:

1. *A listing of the initiatives and associated tracking identification numbers the electrical corporation is implementing to achieve the objective.*
2. *Reference(s) to the WMP section(s) or appendix, including page numbers, where the details of the objective are documented and substantiated.*
3. *The completion date listed in the approved WMP.*
4. *The date the electrical corporation actually completed the objective.*
5. *An explanation of how the electrical corporation utilized the identified "Method of Verification" to assess the completion of the objective.*
6. *A summary of the electrical corporation's assessment of completing the objective following use of the verification method described above, including a listing of all evidence relied upon in the electrical corporation's assessment.*
7. *Whether activities counting toward completion of the objective in a given compliance year were carried over from previous compliance years, and if so to what degree.*
8. *For each objective that the electrical corporation failed to complete, a detailed explanation of what was incomplete, the reason the initiative was not completed, and associated corrective actions the electrical corporation has taken to prevent recurrence of such failures.*
9. *If the electrical corporation did not take corrective action to prevent recurrence of such failures, it must provide justification for such inaction.*

SCE Response: SCE did not have any three-year and ten-year objectives due for completion in 2024. All of SCE's three-year and ten-year objectives are underway and were discussed in the previous section.

IV. Targets Assessment

(d) An assessment of the electrical corporation's completion of all targets identified for each initiative listed in the tables in Section 8 of its WMP, including all subsections, with target completion dates within the most recently completed compliance period. The assessment of each target must be discussed individually and, at a minimum, include the following information:

1. *A complete listing of all applicable targets.*
2. *The target value and associated target units.*
3. *The target completion date (i.e., year-end, Q2, Q3, etc.) listed in the WMP.*
4. *The date the electrical corporation actually completed the target.*
5. *An explanation of how the electrical corporation utilized the identified "Method of Verification" to assess the completion of the target.*
6. *A summary of the electrical corporation's assessment of completing the target following use of the verification method described above, including a listing of all evidence relied upon in the electrical corporation's assessment.*
7. *Whether activities counting toward completion of the target in a given compliance year were carried over from previous compliance years, and if so to what degree.*
8. *For each target that the electrical corporation failed to complete, a detailed explanation of what was incomplete, why, and associated corrective actions the electrical corporation has taken to prevent recurrence of such failures. If the electrical corporation did not take corrective action to prevent recurrence of such failures, it must provide justification for such inaction.*
9. *An explanation of whether the expected percentage risk reduction, as listed in the WMP, was achieved during the most recently completed compliance period.*
    a. *If the expected percentage risk reduction was not achieved, the electrical corporation must explain why and discuss any actions it has taken as a result.*
    b. *If the electrical corporation did not take action, it must provide justification for such inaction.*
10. *An assessment of quality of implementation for initiatives that have a quality control/quality assurance component.*

SCE Response: In addition to Attachment A, SCE has provided items IV.1 through IV.10 in the following tables, which mirror the table numbering from sections 8 of the 2023-2025 WMP.[3] Please note the following regarding how SCE has interpreted specific items:

- Regarding item IV.7 on carryover activities: for activities that were completed in 2023, SCE has indicated "N/A". For activities that were not completed in 2023, SCE provided updates on progress since the missed 2023 targets.
- Regarding item IV.9 on risk reduction: for programs that met their target, SCE has populated this field as "achieved" as the forecasted risk reduction was based on the program's target for 2024. For programs in which SCE did not meet the program's target, SCE has provided the requested explanation. SCE has indicated "N/A" if the program did not have a forecasted risk reduction.
- Regarding item IV.10 on Quality Control/Quality Assurance: SCE interprets "initiative that have a quality control/quality assurance component" as the inspection programs listed in

[3] Branch Line Protection Strategy (SH-4), Vertical Switches (SH-15), Wildfire Safety Data Mart and Data Management (WiSDM/Ezy) (DG-1) reached a steady state in 2023 and did not have targets in 2024.

WMP Table 8-7 – Grid Design and Maintenance QA/QC Program (WMP page 327), and the vegetation management programs listed in WMP Table 8-18 – Vegetation Management QA/QC Program (WMP page 431). For other programs, SCE has populated this field as “N/A”.

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Covered Conductor	SH-1	Install 1,050 circuit miles of covered conductor in SCE's HFRA. SCE will strive to install up to as many as 1,200 circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks.	Q4	Not Completed	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Not completed. See Note #1a at end of the table	See Note #1b at end of the table	N/A
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Undergrounding Overhead Conductor	SH-2	Convert 16 circuit miles of overhead to underground in SCE's HFRA. SCE will strive to convert up to 20 miles of overhead to underground in SCE's HFRA, subject to resource constraints and other execution risks.	Q4	Not Completed	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	SCE had a shortfall of 5.31 miles in 2023. SCE completed 11.88 miles in 2024.	Not completed. See Note #2a at end of the table	See Note #2b at end of the table	N/A
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Remote Controlled Automatic Reclosers Settings Update	SH-5	SCE will install 5 RAR/RCS sectionalizing devices subject to 2023 PSPS analysis and subject to change. SCE will strive to install up to 17 RAR/RCS sectionalizing devices subject to 2023 PSPS analysis, resource constraints and other execution risks.	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Circuit Breaker Relay Hardware for Fast Curve	SH-6	Replace/upgrade 10 CB relay units with Fast Curve settings in SCE's HFRA, subject to resource constraints and other execution risks	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Transmission Open Phase Detection	SH-8	Retrofit TOPD at 5 locations with trip capabilities where alarm mode was previously deployed and that serve HFRA circuitry	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Tree Attachments Remediation	SH-10	Remediate 500 tree attachments in SCE's HFRA. SCE will strive to complete up to 600 tree attachment remediations in SCE's HFRA, subject to resource constraints and other execution risks.	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Long Span Initiative (LSI)	SH-14	Remediate 1,000 spans in SCE's HFRA. SCE will strive to remediate up to 1,200 spans in SCE's HFRA, subject to resource constraints and other execution risks.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Vibration Damper Retrofit	SH-16	Retrofit vibration dampers on 500 structures where covered conductor is already installed in SCE's HFRA. SCE will strive to retrofit vibration dampers on up to 600 structures where covered conductor is already installed in SCE's HFRA, subject to resource constraints and other execution risks.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Rapid Earth Fault Current Limiters (REFCL) (Ground Fault Neutralizer (GFN))	SH-17	SCE will complete construction of GFN at one substation (Banducci).	Q4	Not Completed	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	The construction of GFN at Phelan substation was completed in 2024.	Not completed. See Note #3a at end of the table	See Note #3b at end of the table	N/A
Table 8-3 - Grid Design, Operations, and Maintenance Targets	Rapid Earth Fault Current Limiters (REFCL) – Grounding Conversion	SH-18	SCE will target four locations for grounding conversion, subject to land availability.	Q4	Not Completed	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Not completed. See Note #4a at end of the table	See Note #4b at end of the table	N/A
Table 8-4 - Asset Inspections Targets	Distribution High Fire Risk-Informed (HFRI) Inspections and Remediations (Ground and Aerial)	IN-1.1	Inspect 187,000 structures in HFRA. SCE will strive to inspect up to 217,000 structures in HFRA. This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs).	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	Target: 95% Achieved: 95.3%
Table 8-4 - Asset Inspections Targets	Transmission High Fire Risk-Informed (HFRI) Inspections and Remediations (Ground and Aerial)	IN-1.2	Inspect 28,000 structures in HFRA. SCE will strive to inspect up to 29,500 structures in HFRA. This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs).	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	Target: 97% Achieved: 100%

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-4 - Asset Inspections Targets	Infrared Inspection of Energized Overhead Distribution Facilities and Equipment	IN-3	Inspect 5,300 distribution overhead circuit miles in HFRA.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-4 - Asset Inspections Targets	Infrared Inspection, Corona Scanning, and High-Definition Imagery of Energized Overhead Transmission Facilities and Equipment	IN-4	Inspect 1,000 transmission overhead circuit miles in HFRA.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-4 - Asset Inspections Targets	Generation High Fire Risk Informed Inspections and Remediations in HFRA	IN-5	Inspect 160 generation related assets in HFRA. SCE will strive to inspect 190 generation related assets in HFRA subject to resource constraints and other execution risks.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	Target: 95% Achieved: 97.9%
Table 8-4 - Asset Inspections Targets	Inspection and Maintenance Tools	IN-8	Execute the approved designs/recommendations for incorporating distribution ground and InspectCam capabilities into single digital platform.	Q4	Not Completed	SCE documented its work in an Architecture Vision Document, which reflects progress towards completion.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence for verification.	Detailed design to migrate the distribution ground inspection application to a single digital platform was completed in 2024.	Not completed. See Note #5 at end of the table	N/A	N/A

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-4 - Asset Inspections Targets	Transmission Conductor & Splice Assessment: Spans with LineVue & X-Ray	IN-9	IN-9a: Will inspect 25 spans with Line Vue. SCE will strive to inspect up to 50 spans with Line Vue, subject to resource constraints and other execution risks. IN-9b: Will inspect 50 splices with X-Ray. SCE will strive to inspect up to 100 splices with X-Ray, subject to resource constraints and other execution risks.	Q4	Q2	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-14 - Vegetation Management Initiative Targets	Expanded Clearances for Generation Legacy Facilities	VM-3	Perform vegetation treatment and maintenance to 50 sites. SCE will strive to perform vegetation treatment and maintenance to 60 sites.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-14 - Vegetation Management Initiative Targets	Vegetation Management Work Management Tool (Arbora)	VM-6	Monitor stabilization of Arbora and develop plan and begin execution of plan to enable additional VM maintenance programs.	Q4	Q4	SCE monitored stabilization of Arbora and began execution of plan to enable additional VM maintenance programs.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence for verification.	N/A	Complete	N/A	N/A
Table 8-15 - Vegetation Inspections Targets	Hazard Tree Management Program (HTMP)	VM-1	Inspect 408 grids/circuits and prescribe mitigation for hazardous trees with strike potential within those grids in SCE's HFRA.	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	Target: 100% Achieved: 97.9%

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-15 - Vegetation Inspections Targets	Structure Brushing	VM-2	Inspect and clear (where clearance is needed) 63,700 structures,* with the exception of structures for which there are customer access or environmental constraints. SCE will strive to inspect and clear (where clearance is needed) 135,200 structures,* with the exception of structures for which there are customer access or environmental constraints. *These structures are in addition to poles subject to PRC 4292.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-15 - Vegetation Inspections Targets	Dead & Dying Tree Removal	VM-4	Inspect 485 grids/circuits and prescribe mitigation for dead and dying trees with strike potential within those grids/circuits.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	Target: 100% Achieved: 99.1%

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-15 - Vegetation Inspections Targets	Detailed Inspections for the Prescription, Where Necessary and Feasible, of Expanded Vegetation Clearances from Distribution Lines in HFRA	VM-7	SCE plans to inspect 770 grids within our distribution system.	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	RCD Target: 100% RCD Achieved: 99.60% CCD Target: 95% CCD Achieved: 97.26% RCD: Regulation Clearance Distance CCD: Compliance Clearance Distance (1.5x RCD)
Table 8-15 - Vegetation Inspections Targets	Detailed Inspections for the Prescription, Where Necessary and Feasible, of Expanded Vegetation Clearances from Transmission Lines in HFRA	VM-8	SCE plans to inspect 416 circuits within our transmission system.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	RCD Target: 100% RCD Achieved: 99.15% CCD Target: 95% CCD Achieved: 95.91%
Table 8-15 - Vegetation Inspections Targets	LiDAR Distribution Vegetation Inspections	VM-9	SCE will inspect at least 1,020 HFRA circuit miles. Subject to change based on technology, program adjustments, and grid/circuits layout.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-15 - Vegetation Inspections Targets	LiDAR Transmission Vegetation Inspections	VM-10	SCE will inspect at least 1,500 HFRA circuit miles. Subject to change based on program adjustments and evolution of remote sensing technologies.	Q4	Q2	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-23 - Situational Awareness Initiative Targets	Weather Stations	SA-1	Install 50 weather stations in SCE's HFRA. SCE will strive to install up to 55 weather stations in SCE's HFRA, subject to resource and execution constraints.	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-23 - Situational Awareness Initiative Targets	Weather and Fuels Modeling	SA-3	Equip 200 weather station locations with machine learning capabilities. SCE will strive to equip up to 300 weather station locations with machine learning capabilities, subject to resource and execution constraints.	Q4	Q3	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-23 - Situational Awareness Initiative Targets	Fire Spread Modeling	SA-8	Provide vendor with analytics report and work with the vendor to complete a plan on future improvements.	Q4	Q4	SCE provided the vendor with the analytics report, which was used to assess completion of the target.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on year-end evidence for verification.	N/A	Complete	Achieved	N/A
Table 8-23 - Situational Awareness Initiative Targets	High Definition (HD) Cameras	SA-10	Install 10 HD Cameras. SCE will strive to install up to 20 HD Cameras, subject to resource and execution constraints.	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-23 - Situational Awareness Initiative Targets	Early Fault Detection	SA-11	Install Early Fault Detection (EFD) at 50 locations. SCE will strive to install EFD at up to 100 locations, subject to resource constraints and other execution risks.	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-35 - Emergency Preparedness Initiative Targets	SCE Emergency Response Training	DEP-2	PSPS response teams are fully qualified/requalified by 7/1 annually to maintain readiness.	Q4	Q2	SCE maintained an IMT Training roster, which was used to assess completion of the target.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence for verification.	N/A	Complete	N/A	N/A
Table 8-35 - Emergency Preparedness Initiative Targets	Aerial Suppression	DEP-5	SCE will continue to reassess availability and funding for aerial suppression resources in SCE's service area annually to determine ongoing QRF strategy.	Q4	Q1	SCE retained the funding agreement, which was used to assess completion of the target.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence for verification.	N/A	Complete	Achieved	N/A
Table 8-35 - Emergency Preparedness Initiative Targets	Customer Care Programs (Critical Care Backup Battery (CCBB) Program)	PSPS-2	Complete 85% of battery deliveries to eligible customers within 30 calendar days[4] of program enrollment, subject to customer availability, reschedule requests and battery supply constraints. Strive to complete 90% of battery deliveries to eligible customers within 45 calendar days of program enrollment, subject to customer availability, reschedule requests and battery supply constraints.	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A

[4] Number of calendar/business days subject to change based on customer survey feedback to inform appropriate calendar/business day measure.

WMP Table	Initiative Activity	Tracking ID	2024 Target & Unit (2)	Target Completion Date (3)	Actual Completion Date (4)	Target Verification (5)	Target Assessment Summary (6)	Carryover Activity (7)	Completion Status (8)	% Risk Reduction (9)	Summary of QA/QC Component (If applicable) (10)
Table 8-35 - Emergency Preparedness Initiative Targets	Customer Care Programs (Portable Power Station and Generator Rebates)	PSPS-3	Process 85% of all rebate claims within 30 business days[4] of receipt from website vendor; excluding website related delays and subject to receiving all required customer information. Strive to process 90% of all rebate claims within 45 business days of receipt from website vendor; excluding website related delays and subject to receiving all required customer information.	Q4	Q4	SCE aggregated and assessed initiative completion data from its systems of record; this data was extracted into a year-end evidence spreadsheet to confirm performance outcome.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence spreadsheet for verification.	N/A	Complete	Achieved	N/A
Table 8-55 - Community Outreach and Engagement Initiative Targets	Wildfire Safety Community Meetings	DEP-1	Continue or revise – determined based on the outcome of 2023.	Q4	Q2	SCE posted the wildfire community meetings on a public website, which was used to assess completion of the target.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence for verification.	N/A	Complete	N/A	N/A
Table 8-55 - Community Outreach and Engagement Initiative Targets	Customer Research and Education	DEP-4	SCE plans to conduct at least three PSPS-related customer studies in 2024.	Q4	Q4	SCE maintained a list of surveys with supporting information, which was used to assess completion of the target.	SCE's assessment confirmed the target outcome using the methodology described in Item 5 and relied on the year-end evidence for verification.	N/A	Complete	N/A	N/A

Note 1a, regarding SH-1: SCE did not complete the target to install 1,050 circuit miles of covered conductor in SCE's HFRA due to factors such as environmental challenges and permitting constraints. In 2024, SCE installed approximately 796 circuit miles of covered conductor pursuant to SH-1. Please note that a small number of covered conductor projects may include circuits that go in and out of high fire areas. In certain cases, SCE includes non-high fire structures (i.e. FLOCs) within these circuit work orders, as they are typically near the boundary of the high fire threat district boundary. SCE is collaborating to resolve constraints and has established bi-weekly meetings to help overcome challenges in timely project completion.

Note 1b, regarding SH-1: ongoing wildfire mitigations such as vegetation management, asset inspections, protection settings, and situational awareness activities will help mitigate risk in areas that were scoped for covered conductor but were delayed. SCE intends to complete the scope that was not completed in 2024.

Note 2a, regarding SH-2: SCE did not complete the target to convert 16 overhead circuit miles to underground miles due to multiple constraints, including challenges with permitting and execution delays and delays in obtaining easements. In 2024, SCE de-energized 11.88 overhead miles to convert to underground miles. SCE is collaborating to resolve these constraints and has implemented improvements to ensure timely project completion.

Note 2b, regarding SH-2: ongoing wildfire mitigations such as vegetation management, asset inspections, protection settings, and situational awareness activities will help mitigate risk in areas that were scoped for targeted undergrounding but were delayed. SCE intends to complete the scope that was not completed in 2024.

Note 3a, regarding SH-17: SCE did not complete the target to complete construction of GFN at one substation due to schedule impacts associated with obtaining certain materials with long lead times. SCE has initiated above-ground construction and is progressing with major material procurement, including the production of a critical circuit breaker that was delivered in Q1 2025.

Note 3b, regarding SH-17: ongoing wildfire mitigations such as vegetation management, asset inspections, protection settings, and situational awareness activities will help mitigate risk at locations that have not yet received REFCL protection. SCE intends to complete the scope that was not completed in 2024.

Note 4a, regarding SH-18: SCE did not complete the target of four locations for grounding conversions due to delays with land acquisition that impacted design initiation. As of Q1 2025, three locations were completed, and one location is pending. SCE is continuing discussion with the city and initiating design at the Brydon site.

Note 4b, regarding SH-18: ongoing wildfire mitigations such as vegetation management, asset inspections, protection settings, and situational awareness activities will help mitigate risk at locations that have not yet received REFCL protection. SCE intends to complete the scope that was not completed in 2024.

Note 5, regarding IN-8: SCE did not complete the target to execute the approved designs and recommendations for incorporating distribution ground and InspectCam capabilities into a single digital platform due to additional efforts to evaluate costs and scope revisions aimed at further unifying inspection programs. SCE is planning to complete the remaining milestones by Q3 2025.

V. 2024 Change Order

A complete listing of all change orders requested by the electrical corporation that were approved by Energy Safety. For each change order, the electrical corporation must include a description of the change requested, the date the electrical corporation requested the change order, and the date that Energy Safety approved the requested change order.

SCE Response:

Below is a complete listing of all change orders requested by SCE that were approved by Energy Safety:[5]

1. **Transmission Conductor & Splice Assessment: Spans with LineVue (IN-9a)**
    - **Description of Change Requested:** Adjusting the target from "Target to be developed based on an engineering analysis to be performed in 2023" to a target of 25.
    - **Date Requested:** November 1, 2023 (Amended on December 6, 2023)
    - **Date Approved:** May 31, 2024
2. **Transmission Conductor & Splice Assessment: Splices with X-Ray (IN-9b)**
    - **Description of Change Requested:** Adjusting the target from "Target to be developed based on an engineering analysis to be performed in 2023" to a target of 50.
    - **Date Requested:** November 1, 2023 (Amended on December 6, 2023)
    - **Date Approved:** May 31, 2024

VI. Initiative Expenditures

A list that includes the following information for each initiative identified in the WMP:

(a) *Utility Initiative Tracking ID, per WMP Guidelines.*
(b) *Initiative name.*
(c) *Planned budget (as reported in the WMP or approved Change Order) for the compliance period.*
(d) *Actual expenditure for the most recently completed compliance period.*
(e) *If the difference between the actual expenditure and the planned budget is more than 10%, provide a detailed explanation of the reason or reasons for the discrepancy.*

SCE Response: Please see Attachment B. SCE has reported financial data as requested for the WMP targets in the following section. SCE has shown spending at the WMP section level, as this allows for a consistent approach across each category. In some cases, a section in the WMP may include items that are related to a WMP target but not directly part of the target itself.

[5] See "Decision on SCE Change Order Request", issued May 31, 2024, available at 2023-2025-WMPS.

3 ATTACHMENT A

SCE Q4 2024 WMP Progress Update (Updated)

The redlines reflect updates based on current information since initial submission of the Q4 2024 Progress Update on February 3, 2025.

SCE's 2023-2025 Wildfire Mitigation Plan (WMP) Progress Update – Q4 2024[1] (Updated)[2]

[1] All data is as of ~~December 31, 2024~~ March 20, 2025 (+/- 5 business days). Reported numbers are subject to revision upon data validation.

[2] SCE is completing its data validation of 2024 WMP activities and as a result, some figures reported in the Notification have been slightly revised (redlines reflect changes known as of March 20, 2025). These revisions do not impact the status of activities and have been incorporated and noted in this updated WMP Q4 2024 Progress Update to accompany SCE's 2024 WMP Annual Report on Compliance.

WMP Activities Summary [3, 4]

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Vegetation Management & Inspections

VM-1
Inspect 408 grids/circuits*

VM-2
Inspect and clear 63,700 structures

VM-3
Perform vegetation treatment and maintenance to 50 sites

VM-4
Inspect 485 grids/circuits*

VM-6
Monitor stabilization of Arbora and develop plan to enable VM maintenance programs

VM-7
(Distribution)
Inspect 770 grids*

VM-8
(Transmission)
Inspect 416 circuits*

VM-9
(Distribution)
Inspect 1,020 HFRA circuit miles

VM-10
(Transmission)
Inspect 1,500 HFRA circuit miles

Situational Awareness & Forecasting

SA-1
Install 50 weather stations

SA-3
Equip 200 weather station locations with machine learning capabilities

SA-8
Complete plan on future improvements

SA-10
Install 10 HD Cameras

SA-11
Install Early Fault Detection (EFD) at 50 locations

Community Outreach & Engagement

DEP-1
Host at least two meetings

DEP-4
Conduct at least three customer studies

Emergency Preparedness

PSPS-2
85% of batteries delivered within 30 calendar days

PSPS-3
85% of rebates processed within 30 business days

DEP-2
PSPS response teams fully qualified/re-qualified by 7/1 annually

DEP-5
Provide fire agencies with funding to support QRF program

Grid Design, Operations, & Maintenance

IN-1.1
(Distribution Ground and Aerial)
Inspect 187,000 structures

IN-1.2
(Transmission Ground and Aerial)
Inspect 28,000 structures

IN-3
Inspect 5,300* distribution overhead circuit miles

IN-4
Inspect 1,000 transmission overhead circuit miles

IN-5
Inspect 160 generation related assets

IN-8
Execute approved designs for distribution ground and InspectCam capabilities

IN-9.a/b[5]
Inspect 25 spans with Line Vue

Inspect 50 splices with X-Ray

SH-1
Install 1,050 circuit miles of covered conductor

SH-2
Convert 16 circuit miles of overhead to underground

SH-5
Install 5 RAR/RCS sectionalizing devices

SH-6
Replace/upgrade 10 CB relay units with fast curve settings

SH-8
Retrofit TOPD at 5 locations with trip capabilities

SH-10
Remediate 500 tree attachments

SH-14
Remediate 1,000 spans

SH-16
Retrofit vibration dampers on 500 structures

SH-17
Complete construction of GFN at one substation

SH-18
Target four locations for grounding conversion

[3] Information marked with an * denotes changes from the WMP filing that were submitted in the Errata dated April 6, 2023, and applies to all slides.
[4] All data is as of March 20, 2025 (+/- 5 business days). Reported numbers are subject to revision upon data validation.
[5] Following validation, this activity was changed from two boxes to one from what was published in SCE's Q4 QNL on 2.01.2025.

WMP Activities Summary

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Situational Awareness Activities

Weather Stations

110%
Installed

Weather Stations (SA-1)

Section 8.3.1.2 Page 449
Program Target: Install 50 weather stations in SCE's HFRA. SCE will strive to install up to 55 weather stations in SCE's HFRA, subject to resource and execution constraints.

Status Update: SCE met target in Q4. Program exceeded its target and a total of 55 weather stations were installed.

Weather and Fuels Modeling

Weather and Fuels Modeling (SA-3)

Section 8.3.1.2 Page 449
Program Target: Equip 200 weather station locations with machine learning capabilities. SCE will strive to equip up to 300 weather station locations with machine learning capabilities, subject to resource and execution constraints.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 441 weather station locations were equipped with machine learning capabilities.

Fire Spread Modeling

Fire Science (SA-8)

Section 8.3.1.2 Page 449
Program Target: Provide vendor with analytics report and work with the vendor to complete a plan on future improvements.

Status Update: SCE met target in Q4 to provide vendor with analytics report and work with the vendor to complete a plan on future improvements.

High Definition (HD) Cameras

100%
Installed

High Definition (HD) Cameras (SA-10)

Section 8.3.1.2 Page 449
Program Target: Install 10 HD Cameras. SCE will strive to install up to 20 HD Cameras, subject to resource and execution constraints.

Status Update: SCE met target in Q4 to install 10 HD cameras..

Early Fault Detection (EFD)

106%
Installed

Early Fault Detection (EFD) (SA-11)

Section 8.3.1.2 Pages 449-450
Program Target: Install Early Fault Detection (EFD) at 50 locations. SCE will strive to install EFD at up to 100 locations, subject to resource constraints and other execution risks.

Status Update: SCE met target in Q4. Program exceeded its target and a total of 53 locations were installed with EFDs.

WMP Activities Summary

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Situational Awareness Activities

Weather Stations

110%
Installed

Weather Stations (SA-1)

Section 8.3.1.2 Page 449
Program Target: Install 50 weather stations in SCE's HFRA. SCE will strive to install up to 55 weather stations in SCE's HFRA, subject to resource and execution constraints.

Status Update: SCE met target in Q4. Program exceeded its target and a total of 55 weather stations were installed.

High Definition (HD) Cameras

100%
Installed

High Definition (HD) Cameras (SA-10)

Section 8.3.1.2 Page 449
Program Target: Install 10 HD Cameras. SCE will strive to install up to 20 HD Cameras, subject to resource and execution constraints.

Status Update: SCE met target in Q4 to install 10 HD cameras..

Weather and Fuels Modeling

Weather and Fuels Modeling (SA-3)

Section 8.3.1.2 Page 449
Program Target: Equip 200 weather station locations with machine learning capabilities. SCE will strive to equip up to 300 weather station locations with machine learning capabilities, subject to resource and execution constraints.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 441 weather station locations were equipped with machine learning capabilities.

Early Fault Detection (EFD)

106%
Installed

Early Fault Detection (EFD) (SA-11)

Section 8.3.1.2 Pages 449-450
Program Target: Install Early Fault Detection (EFD) at 50 locations. SCE will strive to install EFD at up to 100 locations, subject to resource constraints and other execution risks.

Status Update: SCE met target in Q4. Program exceeded its target and a total of 53 locations were installed with EFDs.

Fire Spread Modeling

Fire Science (SA-8)

Section 8.3.1.2 Page 449
Program Target: Provide vendor with analytics report and work with the vendor to complete a plan on future improvements.

Status Update: SCE met target in Q4 to provide vendor with analytics report and work with the vendor to complete a plan on future improvements.

WMP Activities Summary

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Grid Design and System Hardening

Covered Conductor

~~77%~~
76%
Installed

Covered Conductor (SH-1)

Section 8.1.1.2 Page 238
Program Target: Install 1,050 circuit miles of covered conductor in SCE's HFRA. SCE will strive to install up to as many as 1,200 circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks.

Status Update: SCE missed 2024 target to install 1,050 circuit miles of covered conductor in SCE's HFRA, due to multiple constraints on projects. As of YE, SCE completed a total of ~~809.45~~ 796.03 circuit miles (~~758.18~~ 743.89 WCCP and ~~51.27~~ 52.14[6] Non-WCCP)

Undergrounding Overhead Conductor

~~76%~~
74%
Removed

Undergrounding Overhead Conductor (SH-2)

Section 8.1.1.2 Page 238
Program Target: Convert 16 circuit miles of overhead to underground in SCE's HFRA. SCE will strive to convert up to 20 miles of overhead to underground in SCE's HFRA, subject to resource constraints and other execution risks.

Status Update: SCE missed 2024 target to convert 16 circuit miles of overhead to underground in SCE's HFRA, due to multiple constraints on projects. As of YE, SCE completed a total of ~~12.18~~ 11.88[7] circuit miles

Remote Controlled Automatic Reclosers Settings Update

100%
Installed

Remote Controlled Automatic Reclosers Settings Update (SH-5)

Section 8.1.1.2 Page 239
Program Target: SCE will install 5 RAR/RCS sectionalizing devices subject to ~~2022~~ 2023 PSPS analysis and subject to change. SCE will strive to install up to 17 RAR/RCS sectionalizing devices subject to ~~2022~~ 2023[8] PSPS analysis, resource constraints and other execution risks.

Status Update: SCE met target in Q4 and a total of 5 RAR/RCS sectionalizing devices were installed.

Circuit Breaker Relay Fast Curve

110%
Installed

Circuit Breaker Relay Fast Curve (SH-6)

Section 8.1.1.2 Page 239
Program Target: Replace/upgrade 10 CB relay units with fast curve settings in SCE's HFRA.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 11 CB relay units were replaced/upgraded with fast curve settings.

Transmission Open Phase Detection

Transmission Open Phase Detection (SH-8)

Section 8.1.1.2 Page 239
Program Target: Retrofit TOPD at 5 locations with trip capabilities where alarm mode was previously deployed and that serve HFRA circuitry

Status Update: SCE met target in Q4 to install TOPD at 5 locations that serve HFRA circuitry with both alarm and trip functionality.

Tree Attachment Remediation

104%
Remediations

Tree Attachment Remediation (SH-10)

Section 8.1.1.2 Page 240
Program Target: Remediate 500 tree attachments in SCE's HFRA. SCE will strive to complete up to 600 tree attachment remediations in SCE's HFRA, subject to resource constraints and other execution risks.

Status Update: SCE met target in Q4. Program exceeded its target and a total of 521 tree attachments were remediated.

[6] Following validation of records this activity decreased from 809.45 to 796.03 total circuit miles from what was published in SCE's Q4 QNL on 2.01.2025
[7] Following validation of records this activity decreased from 12.18 to 11.88 total circuit miles from what was published in SCE's Q4 QNL on 2.01.2025
[8] Following validation of record, year referenced was corrected from 2022 to 2023.

WMP Activities Summary

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Grid Design and System Hardening

Long Span Initiative

132%
Remediations

Long Span Initiative (SH-14)

Section 8.1.1.2 Page 240
Program Target: Remediate 1,000 spans in SCE's HFRA. SCE will strive to remediate up to 1,200 spans in SCE's HFRA, subject to resource constraints and other execution risks.

Status Update: SCE met target in Q3. Program exceeded its target and a total of ~~1,315~~ 1,314[9] spans were remediated.

Vibration Damper Retrofit

142%
Installed

Vibration Damper Retrofit (SH-16)

Section 8.1.1.2 Page 241
Program Target: Retrofit vibration dampers on 500 structures where covered conductor is already installed in SCE's HFRA. SCE will strive to retrofit vibration dampers on up to 600 structures where covered conductor is already installed in SCE's HFRA, subject to resource constraints and other execution risks.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 710 structures were retrofitted.

REFCL (Ground Fault Neutralizer)

Rapid Earth Fault Current Limiters (REFCL) (Ground Fault Neutralizer) (SH-17)

Section 8.1.1.2 Page 241
Program Target: SCE will complete construction of GFN at one substation (Banducci).

Status Update: SCE missed 2024 target to complete construction of GFN at one substation (Banducci) due to schedule impacts associated with long-lead materials. As of 1st week in January, construction is 30% complete.

REFCL (Grounding Conversion)

Rapid Earth Fault Current Limiters (REFCL) (Grounding Conversion) (SH-18)

Section 8.1.1.2 Page 241
Program Target: SCE will target four locations for grounding conversion, subject to land availability.

Status Update: SCE missed 2024 target to target four locations for grounding conversion due to delays with securing locations for grounding conversions. As of YE, 2 locations completed, 1 location substantially complete, and 1 location pending. Additional contingency location pending county / forest service clearance.

[9] Following validation of records this activity decreased from 1,315 to 1,314 total spans from what was published in SCE's Q4 QNL on 2.01.2025

WMP Activities Summary

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Asset Management and Inspections

YTD Status

Ground

112%

Aerial

111%

Distribution HFRI Ground / Aerial Inspections and Remediations (IN-1.1)

Section 8.1.1.2 Page 242

Program Target: Inspect 187,000 structures in HFRA. SCE will strive to inspect up to 217,000 structures in HFRA. This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs).

Status Update: SCE met target in Q4. Program exceeded its target and conducted a total of 208,828 distribution ground inspections and 206,903 distribution aerial inspections.

Transmission Infrared Inspections

109%

Targeted Circuits Inspected

Infrared Inspection, Corona Scanning and High-Definition (HD) Imagery of Transmission facilities and equipment (IN-4)

Section 8.1.1.2 Page 243

Program Target: Inspect 1,000 transmission overhead circuit miles in HFRA.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 1,086.20 circuit miles were inspected.

YTD Status

Ground

113%

Aerial

110%

Transmission HFRI Ground / Aerial Inspections and Remediations (IN-1.2)

Section 8.1.1.2 Page 242

Program Target: Inspect 28,000 structures in HFRA. SCE will strive to inspect up to 29,500 structures in HFRA. This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs).

Status Update: SCE met target in Q4. Program exceeded its target and a conducted total of ~~31,711~~ 31,708 [10] transmission ground inspections and ~~30,735~~ 30,729[11] transmission aerial inspections.

Generation Inspections

141%

Inspected

Generation Inspections and Remediations (IN-5)

Section 8.1.1.2 Pages 243-244

Program Target: Inspect 160 generation related assets in HFRA. SCE will strive to inspect 190 generation related assets in HFRA subject to resource constraints and other execution risks.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 225 generation-related assets were inspected.

Distribution Infrared Inspections

102%

Targeted Circuits Inspected

Infrared Inspection of Energized Overhead Distribution Facilities and Equipment (IN-3)

Section 8.1.1.2 Page 243

Program Target: Inspect 5,300* distribution overhead circuit miles in HFRA.

Status Update: SCE met target in Q3. Program exceeded its target and a total of ~~5,399.97~~ 5,399.27 [12] circuit miles were inspected.

Inspection and Maintenance Tools

Inspection & Maintenance Tools InspectForce (IN-8)

Section 8.1.1.2 Page 244

Program Target: Execute the approved designs/recommendations for incorporating distribution ground and InspectCam capabilities into single digital platform.

Status Update: SCE missed the 2024 target to execute the approved designs / recommendations for incorporating distribution ground and InspectCam capabilities into single digital platform due to additional efforts to evaluate costs, as well as scope revisions for further unification of inspections programs. As of YE, SCE completed Architecture Vision Definition (AVD).

[10] Following validation of records this activity decreased from 31,711 to 31,708 total inspections from what was published in SCE's Q4 QNL on 2.01.2025

[11] Following validation of records this activity decreased from 30,735 to 30,729 total inspections from what was published in SCE's Q4 QNL on 2.01.2025

[12] Following validation of records this activity decreased from 5,399.97 to 5,399.27 total circuit miles from what was published in SCE's Q4 QNL on 2.01.2025

WMP Activities Summary

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Asset Management and Inspections

YTD Status

LineVue

132%

X-Ray

140%

Transmission Conductor & Splice Assessment: Spans with LineVue & X-Ray (IN-9) [13]

Section 8.1.1.2 Pages 244-245

Program Target:

- **IN-9.a:** Will inspect 25 spans with Line Vue. SCE will strive to inspect up to 50 spans with Line Vue, subject to resource constraints and other execution risks.
- **IN-9.b:** Will inspect 50 splices with X-Ray. SCE will strive to inspect up to 100 splices with X-Ray, subject to resource constraints and other execution risks.

Status Update:

- **IN-9.a:** SCE met target in Q2. Program exceeded its target and a total of 33 spans were inspected with LineVue.
- **IN-9.b:** SCE met target in Q2. Program exceeded its target and a total of 70 splices were inspected with X-Ray.

[13] Per SCE's proposed revision to the target as submitted to OEIS on Nov 1, 2023.

WMP Activities Summary

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Vegetation Management and Inspections

HTMP

107%
Circuits Assessed

Hazard Tree Management Program (VM-1)

Section 8.2.1.2 Page 379
Program Target: Inspect 408 grids/circuits* and prescribe mitigation for hazardous trees with strike potential within those grids in SCE's HFRA.

Status Update: SCE met target in Q4. Program exceeded its target and a total of 437 grids/circuits were inspected and mitigated where needed.

Dead and Dying Tree Removal

120%
Circuits Inspected

Dead and Dying Tree Removal (VM-4) *

Section 8.2.1.2 Page 379
Program Target: Inspect 485 grids/circuits* and prescribe mitigation for dead and dying trees with strike potential along those circuits.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 581 grids/circuits were inspected and mitigated where needed.

Structure Brushing

183%
Structures Cleared

Structure Brushing (VM-2)

Section 8.2.1.2 Page 379
Program Target Inspect and clear (where clearance is needed) 63,700 structures,* with the exception of structures for which there are customer access or environmental constraints.
SCE will strive to inspect and clear (where clearance is needed) 135,200 structures,* with the exception of structures for which there are customer access or environmental constraints. These structures are in addition to poles subject to PRC 4292. [14]

Status Update: SCE met target in Q3. Program exceeded its target and a total of 116,388 structures were inspected and cleared (where clearance is needed).

VM Work Management Tool (Arbora)

VM Work Management Tool (Arbora) (VM-6)

Section 8.2.1.2 Page 378
Program Target Monitor stabilization of Arbora and develop plan and begin execution of plan to enable additional VM maintenance programs.

Status Update: SCE met target in Q4 to monitor stabilization of Arbora and develop plan and begin execution of plan to enable additional VM maintenance programs.

Expanded Clearances for Legacy Facilities

140%
Expanded Clearances Performed

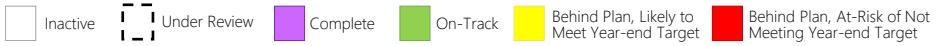
Expanded Clearances for Legacy Facilities (VM-3)

Section 8.2.1.2 Page 378
Program Target: Perform vegetation treatment and maintenance to 50 sites. SCE will strive to perform vegetation treatment and maintenance to 60 sites.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 70 sites were treated and maintained.

[14] Following validation, this activity was changed to include PRC 4292 from what was published in SCE's Q4 QNL on 2.01.2025.

WMP Activities Summary



Vegetation Management and Inspections

Detailed Inspections: Distribution

101%
Inspections

Detailed inspections and management practices for vegetation clearances around Distribution electrical lines, and equipment (VM-7)
Section 8.2.1.2 Page 380
Program Target: SCE plans to inspect 770* grids within our distribution system.

Status Update: SCE met target in Q4. Program exceeded its target and a total of 778 grids were inspected.

LiDAR Vegetation Inspections – Distribution

111%
Inspections

LiDAR Vegetation Inspections – Distribution (VM-9)
Section 8.2.1.2 Page 380
Program Target: SCE will inspect at least 1,020 HFRA circuit miles. Subject to change based on technology, program adjustments, and grid/circuits layout.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 1,130.64 grids/circuits were inspected.

Detailed Inspections: Transmission

103%
Inspections

Detailed inspections and management practices for vegetation clearances around Transmission electrical lines, and equipment (VM-8)
Section 8.2.1.2 Page 380
Program Target: SCE plans to inspect 416 circuits within our transmission system.

Status Update: SCE met target in Q3. Program exceeded its target and a total of 430 circuits were inspected.

LiDAR Vegetation Inspections – Transmission

212%
Inspections

LiDAR Vegetation Inspections – Transmission (VM-10)
Section 8.2.1.2 Page 381
Program Target: SCE will inspect at least 1,500 HFRA circuit miles. Subject to change based on program adjustments and evolution of remote sensing technologies.

Status Update: SCE met target in Q2. Program exceeded its target and a total of 3,180.92 circuit miles were inspected.

WMP Activities Summary

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Emergency Preparedness

Customer Care Programs (Critical Care Backup Battery (CCBB) Program)

100%
On-Time Deployments

Customer Care Programs (Critical Care Backup Battery (CCBB) Program) (PSPS-2)

Section 8.4.1.2 Page 523

Program Target: Complete 85% of battery deliveries to eligible customers within 30 calendar days* of program enrollment, subject to customer availability, reschedule requests and battery supply constraints. Strive to complete 90% of battery deliveries to eligible customers within 45 calendar days of program enrollment, subject to customer availability, reschedule requests and battery supply constraints[15]

Status Update: SCE met target in Q4. 100% of eligible customers who enrolled in the program received their batteries within 30 days, The program exceeded the 85% target and 90% strive target.

Customer Care Programs (Portable Power Station and Generator Rebates)

100%
On-Time Rebates Processed

Customer Care Programs (Portable Power Station and Generator Rebates) (PSPS-3)

Section 8.4.1.2 Page 525

Program Target: Process 85% of all rebate claims within 30 business days* of receipt from website vendor; excluding website related delays and subject to receiving all required customer information. Strive to process 90% of all rebate claims within 45 business days of receipt from website vendor; excluding website related delays and subject to receiving all required customer information.[16]

Status Update: SCE met target in Q4. 100% of all rebate claims were successfully paid within the target of 30 days, The program exceeded the 85% target and 90% strive target

SCE Emergency Responder Training

SCE Emergency Responder Training (DEP-2)

Section 8.4.1.2 Page 523

Program Target: PSPS response teams are fully qualified/re-qualified by 7/1 annually to maintain readiness.

Status Update: SCE met target in Q2, all PSPS response teams were fully qualified/re-qualified by 7/1 annually to maintain readiness.

Aerial Suppression

Aerial Suppression (DEP-5)[17]

Section 8.4.1.2 Page 523

Program Target: ~~Provide fire agencies with funding to support quick-reaction force (QRF) program for 2024.~~ SCE will continue to reassess availability and funding for aerial suppression resources in SCE's service area annually to determine ongoing QRF strategy.

Status Update: SCE met target in Q1. Contracts were issued at the end of 2023 and final payment was provided to the agencies in January 2024.

[15] Number of calendar/business days subject to change based on customer survey feedback.
[16] Number of calendar/business days subject to change based on customer survey feedback.
[17] Per SCE's proposed revision to the target as submitted to OEIS on Nov 1, 2023. The change was not accepted. The text following the strikethrough above is the target as written in the WMP.

WMP Activities Summary

Inactive | Under Review | Complete | On-Track | Behind Plan, Likely to Meet Year-end Target | Behind Plan, At-Risk of Not Meeting Year-end Target

Community Outreach & Engagement

Wildfire Safety Community Meetings
100%
Safety Meetings

Wildfire Safety Community Meetings (DEP-1)[18]

Section 8.5.1.0 Page 579
Program Target: ~~SCE will host at least two wildfire community safety meetings by region in targeted HFRA communities based on the impact of 2023 PSPS events and ongoing wildfire mitigation activities.~~ Continue or revise – determined based on the outcome of 2023.

Status Update: SCE met target in Q2, SCE hosted two wildfire community safety meetings in targeted HFRA communities.

Customer Research and Education

Customer Research and Education (DEP-4)

Section 8.5.1.0 Page 579
Program Target: SCE plans to conduct at least three PSPS-related customer studies in 2024.

Status Update: SCE met target in Q4 by completing three PSPS-related customer studies in 2023.

[18] SCE's proposed revision to the target as submitted to OEIS on Nov 1, 2023. The change was not accepted. The text following the strikethrough above is the target as written in the WMP.

WMP Activity Narratives

YTD Status	Off Track
YE Outlook	Did Not Meet

Off-Track Narrative – SH-1 Covered Conductor (WCCP and Non-WCCP)

Activity Target

- Install 1,050 circuit miles of covered conductor in SCE's HFRA.
- SCE will strive to install up to as many as 1,200 circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks subject to resource constraints and other execution risks.

Key Takeaways

- Missed 2024 target due to impacts associated with multiple constraints on projects.
- As of YE, ~~809.45~~ 796.03 circuit miles completed
  - ~~758.18~~ 743.89 WCCP
  - ~~51.27~~ 52.14 Non-WCCP
- This is based on a reduction of reported values following internal year end validation and review of completed work.

Risks or Challenges

- Several projects constrained by environmental, outages and access issues
- Other projects are pending rights checks for potential easements and/or permits which are necessary prerequisites before construction can begin.
- Q1 2025 Update: Constraints from environmental, outages and access issues continue to be a challenge along with possible inclement weather may delay construction.

Actions to Improve Performance / Get Well Plan

- Continue to work with partner organizations to understand and work to resolve the status of constraints with a focus on environmental, government lands, easements/right of way, permitting, railroads, and select agencies (e.g., Caltrans)..
- Established bi-weekly cadence of meetings to ensure timely completion of the Design phase to meet expected field release dates; identify resolution and potential reprioritization.
- Q1 2025 Update: Project team continues to work with partner organizations to resolve constraints and will closely monitor weather and adjust resources as needed to ensure work can continue while maintaining employee/worker safety as a priority.

WMP Activity Narratives

Off-Track Narrative – SH-2 Undergrounding

YTD Status	Off Track
YE Outlook	Did Not Meet

Activity Target

- Convert 16 circuit miles of overhead to underground in SCE's HFRA.
- SCE will strive to convert up to 20 miles of overhead to underground in SCE's HFRA, subject to resource constraints and other execution risks.

Key Takeaways

- Missed 2024 target due to impacts associated with multiple constraints on projects.
- As of YE, ~~12.18~~ 11.88 OH miles de-energized.
  - 6.57 miles toward the 2024 target.
  - ~~5.61~~ 5.31 miles toward 2023 target.
- This is based on a reduction of reported values following internal year end validation and review of completed work.

Risks or Challenges

- Several projects constrained by environmental, outages and access issues.
- Other projects are pending rights checks for potential easements and/or permits which are necessary prerequisites before construction can begin.
- Lack of contingency scope that can be brought in for 2024 target.
- Q1 2025 Update: Several projects continue to be constrained by environmental, outages, access, permitting, along with possible inclement weather may delay construction.

Actions to Improve Performance / Get Well Plan

- Continue to work with partner organizations to understand and work to resolve the status of constraints with a focus on environmental, government lands, easements/right of way, permitting, railroads, and select agencies (e.g., Caltrans)..
- Established bi-weekly cadence of meetings to ensure timely completion of the Design phase to meet expected field release dates; identify resolution and potential reprioritization.
- Q1 2025 Update: Project team is working to address constraints and will closely monitor weather and adjust resources as needed to ensure work can continue while maintaining employee/worker safety as a priority.

WMP Activity Narratives

Off-Track Narrative – SH-17 Rapid Earth Fault Current Limiters (REFCL)

YTD Status	Off Track
YE Outlook	Did Not Meet

Activity Target

- SCE will complete construction of GFN at one substation.

Key Takeaways

- Missed 2024 target to complete construction of GFN at one substation due to long lead times to obtain materials needed to complete work.
- As of January 2025, below-ground construction complete.
- Q1 2025 Update: construction is 72% complete. Ground fault neutralizer on foundation and construction completion targeted for Q2.

Risks or Challenges

- Long lead materials will delay construction start until early November.
- Construction can take up to 9 months from the time design is approved.
- Testing/commissioning window limited to December-April; if testing is not ready to be performed by April 2025, it will be deferred to December 2025.
- Q1 2025 Update: Testing/commissioning window limited to December-April and inclement weather may delay construction completion.

Actions to Improve Performance / Get Well Plan

- Above-ground construction in progress.
- Major material procurement in progress.
- Circuit breaker in production (delivery expected Q1 2025).
- Q1 2025 Update: Circuit breaker on site and construction completion targeted for Q2.

WMP Activity Narratives

YTD Status	Off Track
YE Outlook	Did Not Meet

Off-Track Narrative – SH-18 Rapid Earth Fault Current Limiters (REFCL) (Grounding Conversion)

Activity Target

- SCE will target four locations for grounding conversion, subject to land availability.
- SCE will strive to target up to 6 locations for grounding conversion, subject to land availability.

Key Takeaways

- Missed 2024 target to complete grounding conversion at four locations due to delays with securing locations for grounding conversions.
- As of YE, 2 locations completed, 1 location (Stoneman) substantially complete, and 1 location (Brydon) pending.
- Additional contingency location (Blue Ridge) pending county / forest service clearances.
- Q1 2025 Update: 1 location (Stoneman) complete. Additional location pending discussions with the city.

Risks or Challenges

- Continued delays with land acquisition impacted design initiation and ability to meet year-end goal.
- Due to recent fires in the area, resources have been diverted to fire restoration activities.
- Q1 2025 Update: Continued delays with land acquisition impacting project completion. Recent fires have diverted resources towards restoration activities.

Actions to Improve Performance / Get Well Plan

- Pheasant and Dysart – construction completed.
- Stoneman – construction in progress, will resume as crews are freed up from restoration activities.
- Brydon – design initiated as location discussions continue with city. Pending rights check, continuing to work with city.
- ~~Blue Ridge – contingency project, on hold pending forest service clearance, continuing to work on clearance, resources impacted by fires restoration efforts~~
- Q1 2025 Update:
  - Stoneman: As of March, construction complete.
  - Brydon: design initiated as location discussions continue with city. Pending rights check, continuing to work with city.
  - Blue Ridge: Cancelled due to pole top cutover scheduled for 2026.

WMP Activity Narratives

YTD Status	Off Track
YE Outlook	Did Not Meet

Off-Track Narrative – IN-8 Inspection and Maintenance Tools: InspectForce

Activity Target

- Execute the approved designs / recommendations for incorporating distribution ground and InspectCam capabilities into single digital platform.

Key Takeaways

- Missed 2024 target due primarily to funding, as well as scope revisions for further unification of inspections programs.
- ~~Architecture Vision Definition (AVD) completed in Q4 2024.~~
- ~~Revised Solution Planning & Analysis is in progress.~~
- ~~Remaining 2024 milestones will be completed in 2025.~~
- By YE, Architecture Vision Definition (AVD) complete.
- Q1 2025 Update: System Requirements and Solution Planning & Analysis in progress; completion planned for Q3 2025.

Risks or Challenges

- Delays in governance approval has pushed completion of this activity into 2025.
- Q1 2025 Update: Any delays in completing the System Requirements or Solution Planning & Analysis may result in delays to the 2025 WMP target milestones.

Actions to Improve Performance / Get Well Plan

- Project team is conducting weekly check-ins to ensure project remains on schedule.
- Remaining milestones will continue into 2025, ETA for completion is Q2/Q3 2025.
- Q1 2025 Update: If any delays occur, project team will prioritize resources to support completion of the work.

4 ATTACHMENT B

SCE 2024 WMP Cost Variance Explanation ($ in thousands)

WMP Section	Initiative Activity	Applicable WMP Tracking ID(s)	2024 CAPEX Planned	2024 CAPEX Actuals	CAPEX $ Variance Overrun/ (Underrun)	CAPEX % Variance	2024 O&M Planned	2024 O&M Actuals	O&M $ Variance Overrun/ (Underrun)	O&M % Variance	Variance Comments >10% AND all Underrun Costs
8.1.2.1 Covered Conductor Installation	Covered Conductor	SH-1	$782,098	$652,030	($130,068)	-17%	$873	($1,393)	($2,265)	-260%	The capital underrun is due to SCE completing fewer miles than the target; please see the discussion above in Section IV for further explanation. The O&M underrun is a journal entry correction related to the joint IOU covered conductor testing and risk analysis. SCE initially covered the costs of the test, which included workshop facilitation, preparation of responses, and level 4 assessments to support the IOUs' participation in CPUC Rulemaking R. 20-07-013. According to the agreement, PG&E and SDG&E are responsible for reimbursing SCE for their share of these costs.
	Vibration Damper Retrofit	SH-16									
8.1.2.2 Undergrounding of Electric Lines and/or Equipment	Undergrounding Overhead Conductor	SH-2	$60,897	$56,753	($4,144)	-7%	$0	$0	$0	0%	Please see SCE's discussion of the missed 2024 target above in Section IV.
8.1.2.3 Distribution Pole Replacements and Reinforcements	Tree Attachments Remediation	SH-10	$18,202	$21,747	$3,545	19%	$0	$0	$0	0%	SCE completed remediation of 521 units, which exceeded the budget of 500 units for the year. The overrun was due to higher material costs per foot compared to previous years, higher contractor costs (i.e., full aerial cable replacements on two projects which were exceptions rather than the norm), and higher than anticipated overhead costs.
8.1.2.6 Emerging Grid Hardening Technology Installations and Pilots	Rapid Earth Fault Current Limiters (REFCL) (Ground Fault Neutralizer (GFN))	SH-17	$35,878	$25,243	($10,636)	-30%	$350	$1	($349)	-100%	Capital: Regarding GFNs, SCE made progress but missed the target; please see discussion above in Section IV of this document. O&M: The budget was based on event investigation, which required inspections, operations, and maintenance for GFNs. There were only a few events where the equipment was activated, and a field crew was dispatched to investigate the event at the station.
	Rapid Earth Fault Current Limiters (REFCL) – Grounding Conversion	SH-18									

WMP Section	Initiative Activity	Applicable WMP Tracking ID(s)	2024 CAPEX Planned	2024 CAPEX Actuals	CAPEX $ Variance Overrun/ (Underrun)	CAPEX % Variance	2024 O&M Planned	2024 O&M Actuals	O&M $ Variance Overrun/ (Underrun)	O&M % Variance	Variance Comments >10% AND all Underrun Costs
8.1.2.10 Other Grid Topology Improvements to Minimize Risk of Ignitions	Remote Controlled Automatic Reclosers (RAR) Settings	SH-5	$9,428	$5,250	$(4,179)	-44%	$5,869	$3,323	$(2,546)	-43%	Capital: (1) RARs (SH-5): the budget was based on historical average (i.e., number of devices released in the past) where the scope of work is dependent on the number of circuits impacted by PSPS. The unit count and completed work in 2024 was less than what was forecasted for the year. (2) CB Relay (SH-6): Underrun is related to two projects. For the Kern River project, the equipment was outdated, and the relay was unable to function properly, hence SCE could not upgrade without a complete overhaul of the substation equipment. Therefore, this project was cancelled, what could be used of the scope was transferred to another program and was replaced with an RAR solution (Fast Curve setting) on distribution line equipment and charged to a different initiative. For the Pebbly Beach project, the budget was initially designated as capital. However, only software programming for the relay was required, which is O&M; a credit was transferred from Capital to O&M to account for the programming work. (3) LSI: The volume of work, combined with the use of non-LSI components (which are typically less expensive), contributed to the underrun for the year. O&M: Underrun is associated with LSI. The percentage of LSI line spacers in 2024 was significantly higher than it was during the 2022 period on which the budget was based, leading to an overall lower cost per unit. Another reason for the underrun is the use of internal resources compared to contractors and efforts to bundle the work, which essentially lessened the number of times in which crews were dispatched to a structure (or a general area) to perform remediation.
	Update Circuit Breaker (CB) Relay Hardware for Fast Curve	SH-6									
	Long Span Initiative (LSI)	SH-14									

WMP Section	Initiative Activity	Applicable WMP Tracking ID(s)	2024 CAPEX Planned	2024 CAPEX Actuals	CAPEX $ Variance Overrun/ (Underrun)	CAPEX % Variance	2024 O&M Planned	2024 O&M Actuals	O&M $ Variance Overrun/ (Underrun)	O&M % Variance	Variance Comments >10% AND all Underrun Costs
8.1.3 Asset Inspections	Distribution High Fire Risk-Informed (HFRI) Inspections and Remediations (Ground and Aerial)	IN-1.1	$0	$1,322	$1,322	0%	$53,198	$56,675	$3,477	7%	With respect to capital, the activity is related to the purchase of drones for the HFRA 360-Distribution Inspections program. The drones are used to conduct aerial inspections based on both wildfire compliance and risk-informed analyses. The reason there is no budget is because of the accounting treatment. Prior to this purchase, a different group within SCE (Air Operations) was responsible for purchasing the drones using their own capital budget which is non-wildfire related. Given the inspections are exclusively wildfire related, SCE determined that going forward, all drone purchases associated with HFRA 360-Distribution Inspections program should be categorized under wildfire-related budgeting. O&M expenses are within the threshold; no explanation required.
	Transmission High Fire Risk-Informed (HFRI) Inspections and Remediations (Ground and Aerial)	IN-1.2									
	Infrared Inspection of Energized Overhead Distribution Facilities and Equipment	IN-3									
	Infrared Inspection, Corona Scanning and High-Definition (HD) Imagery of Energized Overhead Transmission Facilities and Equipment	IN-4									
	Generation High Fire Risk-Informed Inspections and Remediations in HFRA	IN-5									
	Transmission Conductor & Splice Assessment: Spans with LineVue & X-Ray	IN-9									

WMP Section	Initiative Activity	Applicable WMP Tracking ID(s)	2024 CAPEX Planned	2024 CAPEX Actuals	CAPEX $ Variance Overrun/ (Underrun)	CAPEX % Variance	2024 O&M Planned	2024 O&M Actuals	O&M $ Variance Overrun/ (Underrun)	O&M % Variance	Variance Comments >10% AND all Underrun Costs
8.1.4 Equipment Maintenance and Repair & 8.1.7 Open Work Orders	Distribution High Fire Risk- Informed (HFRI) Inspections and Remediations (Ground and Aerial)	IN-1.1	$136,993	$113,792	($23,201)	-17%	$83,151	$60,115	$(23,035)	-28%	This section covers preventative and breakdown maintenance for distribution and transmission. For distribution, the underrun is due to lower than budgeted cost per unit driven by: (1) higher allocation-mix of Preventive Maintenance units compared to Breakdown units (Preventive Maintenance units are less expensive), and (2) lower use of contractor and labor budgets. For transmission, the spending is a function of work performed, which varies from the forecast based on needs for each year and operational planning to perform remediations. The O&M underrun is a mix of preventative and breakdown maintenance in HFRI and AOC. In 2024, there was a higher proportion of preventative maintenance compared to breakdown maintenance. Preventative maintenance benefits from a longer lead time, which reduces the need for premium time to complete the work, hence the lower cost per. Breakdown maintenance generally has higher cost per unit because it requires more labor and premium time due to its urgent nature to remediate within 21 days. Also, the short and expedited planning timeframe for breakdown maintenance often results in increased premium time.
	Transmission High Fire Risk- Informed (HFRI) Inspections and Remediations Ground and Aerial)	IN-1.2									
	Generation High Fire Risk-Informed Inspections and Remediations in HFRA	IN-5									
	Transmission Conductor & Splice Assessment: Spans with LineVue & X-Ray	IN-9									
8.1.5 Asset Management and Inspection Enterprise System(s)	Inspection and Maintenance Tools	IN-8	$9,910	$9,889	($21)	0%	$5,845	$3,385	($2,460)	-42%	This section includes IT projects such as DRT Viewer, Ezy, Wildfire Safety Data Management (WiSDM), and InspectApp/InspectForce. The O&M underruns are related to Ezy and WiSDM. For Ezy, due to the variable nature of Google Cloud Platform consumption, the budget was twice the actual consumption to ensure capacity for 2024 activities. For WiSDM, there were minimal capital Phase 2 activities in 2024, which reduced the O&M portion of this activity.

WMP Section	Initiative Activity	Applicable WMP Tracking ID(s)	2024 CAPEX Planned	2024 CAPEX Actuals	CAPEX $ Variance Overrun/ (Underrun)	CAPEX % Variance	2024 O&M Planned	2024 O&M Actuals	O&M $ Variance Overrun/ (Underrun)	O&M % Variance	Variance Comments >10% AND all Underrun Costs
8.2 Vegetation Management and Inspections	Hazard Tree Management Program (HTMP)	VM-1	$0	$0	$0	0%	$ 377,302	$274,996	$(102,306)	-27%	This section includes the activities associated with veg management clearance and inspections. Inspections: SCE met its WMP targets for inspections. The underrun is attributed to seasonal patrols, specifically the discontinuation of Canyon Patrol in 2024. Canyon Patrols were phased out in late 2023, with two patrols remaining in 2024 to wrap up before officially ending the program. Seasonal patrols associated with the Summer Readiness Verification Patrol and Operation Santa Ana will continue. Clearance: (1) Hazard tree mitigation and removals: SCE met its WMP target for this initiative. The cost underrun in 2024 was primarily related to the following: (a) HTMP Tree Removal - SCE found fewer hazard tree conditions on the circuits inspected in HFRA than forecasted, hence a lower than budgeted prescription rate. (b) HTMP Property Owner Incentives - The program allows property owners to receive utility-friendly trees as an incentive to support the mitigation of hazardous trees. The cost underrun in 2024 is due to lower than forecasted utilization of this program. (2) Dead & Dying removals - SCE met its WMP target for this initiative. The underrun is due to fewer dead and dying trees that needed to be removed than originally forecasted. (3) Routine Trims & Removals - SCE met its WMP target for this initiative. The growth rate of trees was lower than expected, which meant a lower prescription rate with expanded clearance efforts/removal programs.
	Expanded Clearances for Generation Legacy Facilities	VM-3									
	Dead & Dying Tree Removal	VM-4									
	Detailed Inspections for the Prescription, Where Necessary and Feasible, of Expanded Vegetation Clearances from Distribution Lines in HFRA	VM-7									
	Detailed Inspections for the Prescription, Where Necessary and Feasible, of Expanded Vegetation Clearances from Transmission Lines in HFRA	VM-8									
8.2.2.4.1 LiDAR Inspections	LiDAR Distribution Vegetation Inspections	VM-9	$0	$0	$0	0%	$7,287	$25,212	$17,925	246%	The overrun is attributed to the expanded LiDAR scope and the Veg Management digital modeling baseline work. During the year, contracting vendors for ground inspection considered unionizing, which could have increased contractor rates. SCE coordinated with the vendors to accelerate LiDAR inspections before potential unionization, leading to increased scope and additional expenditures for the year. Regarding the digital modeling baseline work, a vendor was hired to process and QA/QC the LiDAR data to ensure accuracy and prepare SCE for the transition to LiDAR. The baseline work was not part of the original budget, resulting in added expenditures for the year.
	LiDAR Transmission Vegetation Inspections	VM-10									
8.2.3.1 Pole Clearing	Structure Brushing	VM-2	$0	$0	$0	0%	$25,915	$17,102	($8,813)	-34%	SCE met its target for VM-2. The underrun is due to a budget forecast based on a higher volume of work.

WMP Section	Initiative Activity	Applicable WMP Tracking ID(s)	2024 CAPEX Planned	2024 CAPEX Actuals	CAPEX $ Variance Overrun/ (Underrun)	CAPEX % Variance	2024 O&M Planned	2024 O&M Actuals	O&M $ Variance Overrun/ (Underrun)	O&M % Variance	Variance Comments >10% AND all Underrun Costs
8.3.2 Environmental Monitoring Systems	Weather Stations	SA-1	$1,171	$2,411	$1,240	106%	$7,519	$7,399	($120)	-2%	SCE surpassed the WMP target for SA-1 by installing 55 units in 2024. At the time of the 2023-2025 WMP filing (Q1 2023), SCE projected an installation budget of $1.2 million. Post-filing, the budget was increased to $2.4 million, which aligns with the actual expenditures for the year. O&M costs are generally in line with the budgeted amount, as SCE continues to maintain and calibrate the units annually. Costs associated with SA-8 are generally in line with the budget for the year.
	Fire Spread Modeling	SA-8									
8.2.4 Vegetation Management Enterprise System	Vegetation Management Work Management Tool (Arbora)	VM-6	$2,747	$7,551	$4,804	175%	$4,000	$2,147	($1,853)	-46%	Capital: At the time of the WMP filing, the budget for Arbora was $2.7 million. Post-filing, SCE increased the 2024 budget due to a timeline change that accelerated the rollout of Arbora. The final stages of the district rollout were accelerated in the summer of 2024, contributing to the increased actuals for the year. Additionally, work initially scheduled for 2025 was moved up to 2024 for TCS and Salesforce Professional Services. This adjustment ensured that the costs incurred in 2024 for these services would be billed and paid for within the same year. O&M: The underrun is because a portion of the budget, which was initially O&M, was deemed eligible as capital to support the system development.
8.3.3 Grid Monitoring Systems	Early Fault Detection (EFD)	SA-11	$3,522	$2,505	($1,017)	-29%	$1,327	$904	($423)	-32%	The budget was based on the strive goal of 100 units for SA-11. The compliance goal was 50 units; SCE installed 53. With respect to TOPD, SCE met its WMP goal to retrofit five locations. The O&M underrun is due to limited events in which a field crew were deployed to investigate EFD sensors.
	Transmission Open Phase Detection	SH-8									
8.3.4 Ignition Detection Systems	Fire Spread Modeling	SA-8	$131	($240)	($371)	-283%	$5,724	$4,911	($813)	-14%	This section primarily involves HD cameras and Fire Spread Modeling. For capital expenditures, SCE budgeted enough for 20 installations and successfully installed 10 in the year. The capital budget for these installations was $131K, while the actual cost was $90K. However, a credit was journalized incorrectly, causing the actuals for the year to appear as a credit. This error has since been corrected. Regarding O&M, the budget was allocated to maintain 226 cameras, but the actual maintenance covered 200 cameras. This resulted in lower software and recurring data service charges, hence the underrun for the year.
	High Definition (HD) Cameras	SA-10									
8.3.5 Weather Forecasting	Weather and Fuels Modeling	SA-3	$0	$1,244	$1,244	0%	$5,952	$6,493	$541	9%	The overrun is primarily due to the integration of Baron Weather, which was identified post-GRC/WMP submission. This new demand arose from a switch in vendors from Heavy.AI to Baron Weather in late 2023, necessitating integration of the software with existing SCE systems.
8.4.2 Emergency Preparedness Plan	SCE Emergency Response Training	DEP-2	$0	$0	$0	0%	$13,069	$12,747	($322)	-2%	This section is composed of PSPS Execution IMT, PSPS Response & Compliance, and Training & Development. The underrun is related to Training & Development (DEP-2). SCE met this goal. SCE delivered 37 courses instead of the 49 originally used for the financial forecast. The delivered courses focused on essential and core functions, including PSPS and wildfire risk, which are fundamental to SCE's operations. The remaining courses were considered supplemental or hands-on instructor-led training sessions that, while informative, were not critical to addressing the most pressing risk. The expenditures associated with PSPS Execution IMT and PSPS Response & Compliance are generally in-line with what was budgeted for the year.

WMP Section	Initiative Activity	Applicable WMP Tracking ID(s)	2024 CAPEX Planned	2024 CAPEX Actuals	CAPEX $ Variance Overrun/ (Underrun)	CAPEX % Variance	2024 O&M Planned	2024 O&M Actuals	O&M $ Variance Overrun/ (Underrun)	O&M % Variance	Variance Comments >10% AND all Underrun Costs
8.4.3 External Collaboration and Coordination	Aerial Suppression	DEP-5	$0	$0	$0	0%	$35,000	$36,059	$1,059	3%	Within the threshold. No explanation required.
8.4.6 Customer Support in Wildfire and PSPS Emergencies	Customer Care Programs (Critical Care Backup Battery (CCBB) Program)	PSPS-2	$203	$974	$770	379%	$25,479	$16,479	($9,000)	-35%	The capital overrun is related to IT projects, including the PSPS Complaint Tracking System and AFN enhancements. The overrun resulted from an expanded scope for Customer Complaint Tracking, which was broadened post-WMP submission to meet CPUC mandates and address automation needs, replacing manual processes. For AFN Enhancements, the 2024 efforts focused on aligning customer/AFN data storage with PSPS Guidelines. O&M is associated with several PSPS-related support functions. (1) AFN Enhancements: The underrun occurred because most of the AFN self-ID survey project was completed in 2023. Additionally, approximately $0.7 million of the O&M budget was reallocated to support capital IT enhancements for AFN. (2) PSPS Customer Contact Center Support: Actuals were less than budget due to fewer customer calls. (3) PSPS-2: Underrun is due to lower-than-forecasted marketing and labor costs. The In-Event Battery Loan Program also saw lower utilization. (4) PSPS-3: The high cost of generators led to fewer customers taking advantage of the rebates. (5) 211 Service: Lower utilization of this support service than budgeted. (6) Community Resource Centers: Lower utilization of support services. Additionally, inventory purchased in 2023 was used during 2024 events, reducing the need for new purchases of resiliency kits, signage, snacks, and water.
	Customer Care Programs (Portable Power Station and Generator Rebates)	PSPS-3									
8.5.2 Public Outreach and Education Awareness Program	Wildfire Safety Community Meetings	DEP-1	$0	$0	$0	0%	$14,581	$11,222	($3,360)	-23%	This section is composed of PSPS support functions such as Wildfire Safety Community Meetings (DEP-1), Customer Research and Education (DEP-4), Community Outreach, PSPS Newsletter, and In-Language Advertising & Translations. SCE met the WMP targets by conducting three customer research studies and hosted two community meetings for the year. The underrun for Customer Research and Education (DEP-4) was due to discontinuation of a planned Electrification Readiness study and sce.com personalization efforts being delayed to 2025. The underrun for PSPS Newsletter was due to (a) a shift from mailing printed newsletters to an “email first” (and limited use of direct mail) approach for PSPS Newsletters and, (b) Non-Residential Welcome Journey 2.0 delayed to 2025. For the other activities associated with this initiative (i.e., Community Outreach, Townhall Community Meetings, and In-Language Advertising & Translation), expenditures were generally in line with the budget for the year.
	Customer Research and Education	DEP-4									