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Docket# 2023-2025 WMP

April 2, 2024

Shannon O'Rourke
Deputy Director
Office of Energy Infrastructure Safety
715 P Street, 20th Floor
Sacramento, CA 95814

**SUBJECT:**     Redlines to SCE's 2023-2025 Wildfire Mitigation Plan

Dear Deputy Director O'Rourke:

Pursuant the 2025 Wildfire Mitigation Plan Update Guidelines, SCE is submitting redlines to its 2023-2025 Wildfire Mitigation Plan. The redlines reflect edits due to reportable changes in SCE's 2025 WMP Update.

SCE's WMP and associated materials, including a clean version of the 2023-2025 WMP and the 2025 WMP Update, are available at: https://www.sce.com/safety/wild-fire-mitigation.

Sincerely,

//s//
Gary Chen
Director, Safety & Infrastructure Policy
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**Table 4-1 - Summary of WMP Expenditures[12]**

| Year | Spend (thousands $USD) |
|------|------------------------|
| 2020 | Planned (as reported in 2020 WMP update) = $1,308,269 <br><br> Actual = $1,356,923 <br><br> $\pm\triangle$ = $48,654 |
| 2021 | Planned (as reported in 2021 WMP Update) = $1,629,377 <br><br> Actual = $1,642,980 <br><br> $\pm\triangle$ = $13,603 |
| 2022 | Planned (as reported in 2022 WMP Update) = $1,619,252 <br><br> Actual = $1,599,912 <br><br> $\pm\triangle$ = $19,340 |
| 2023 | Planned = $1,869,997 |
| 2024 | Planned = $1,887,446 |
| 2025 | Planned = ~~$2,006,300~~ $1,867,889 |

**Figure SCE 4-01 - Graph of WMP Expenditures**



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[12] The summary of WMP Expenditures reflects direct capital and O&M costs for wildfire activities which correspond to the HFTD spend as shown in Table 11 of the QDR. The dollars are nominal.
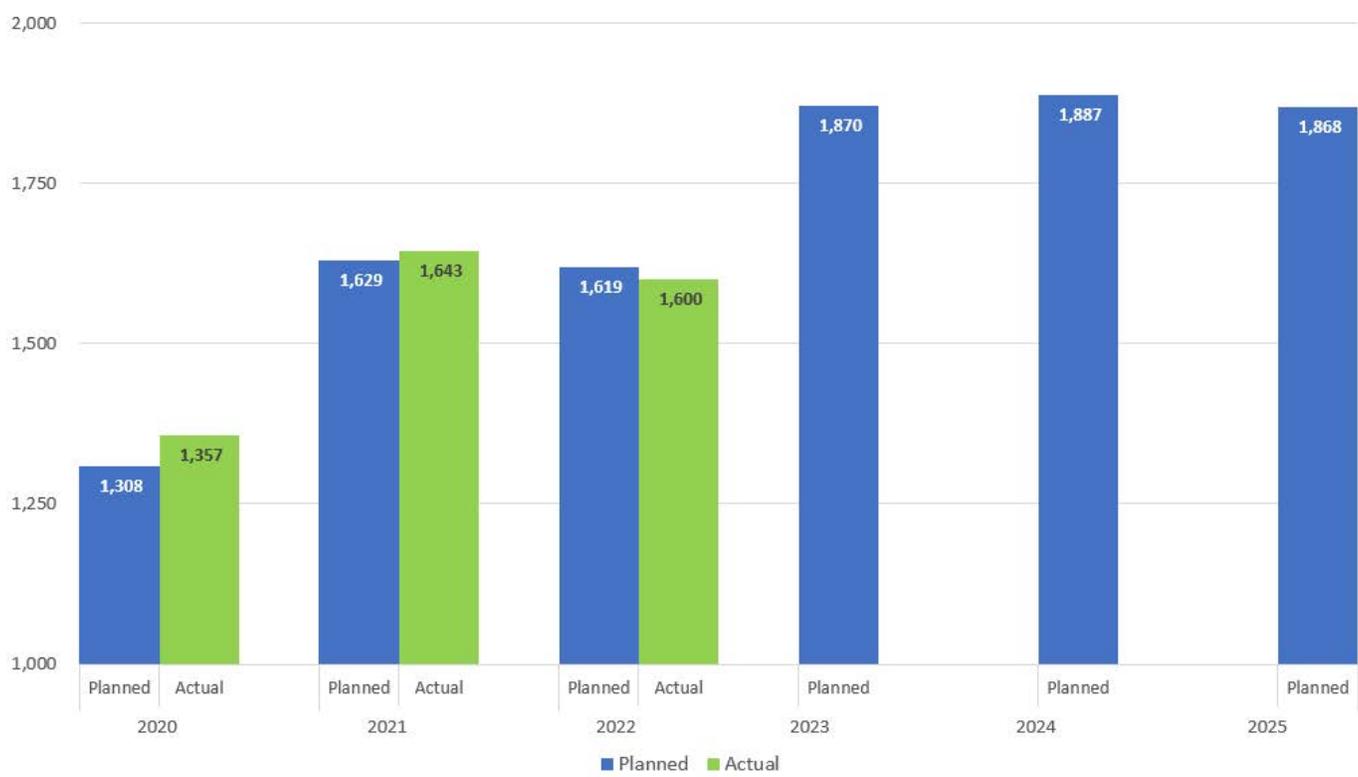
The key input data used for wildfire consequence estimates are fuel models based on ~~LandFire 2016~~, with the addition of 19 custom fuel models. SCE updates its fuel model annually. A fuel regrowth algorithm is used to "grow up" fuels in locations with large historical fire scars (greater than 5,000 acres) to project fuel growth out to 2030. Climate change influenced forecast weather conditions are not included at this time. However, as discussed in Energy Safety's risk modeling workshops, SCE is developing a climate change scenario by simulating additional fuel dryness in 2030 fuels for evaluation purposes. See Section 6.3.2 for additional discussion.

SCE also utilizes Access and Functional Need (AFN) and Non-Residential Critical Infrastructure (NRCI) information for each location to account for the relative baseline and post-mitigated risk associated with wildfire and PSPS in vulnerable locations. SCE has considered other census tract-based sources of data such as CalEnviroscreen, Centers for Disease Control (CDC), Social Vulnerability Index (SVI), and the Federal Emergency Management Agency (FEMA) National Risk Index (NRI) data. SCE has determined that these data sources currently lack the granularity required to scale the information down to correspond to other risk data SCE uses at the asset or location level.

The key input data for wildfire POI and PSPS POD estimates are SCE's overhead asset location data, weather and wind data from Atmospheric Data Solutions (ADS) and SCE weather stations, SCE's Outage Database and Reliability Metric (ODRM) system, PSPS event data, SCE's Fire Incident Preliminary Analysis (FIPA) process, vegetation data, and historical de-energization criteria.

In addition to the fuel and weather assumptions described above, SCE uses granular Microsoft building data and the latest available data from U.S. Department of Homeland Security (LandScan 2018) population data to represent individual building footprints and 90m centroid population density, respectively. These data are used to derive associated natural unit consequence impacts from wildfire simulations.

The modeling tools SCE employs are a series of machine learning algorithms (e.g., random forest, gradient boosting) to derive and calibrate POI estimates for each wildfire risk driver. SCE also uses Technosylva Wildfire Analyst to perform match drop simulations to derive wildfire consequences and python-based algorithms to derive both POD and PSPS consequences.

### 6.2.1.2   IWMS Risk Framework

SCE's IWMS Risk Framework is used to define three risk tranches within SCE's HFRA. These three risk tranches are key elements of how SCE selects, prioritizes, and scopes wildfire and PSPS mitigations.

The figure below shows how the risk components are used in the IWMS Risk Framework. The colors match how Energy Safety has presented the risk components in Figure 6-1.

Risk components and calculation methodologies are further described in Section 6.2.1, Section 6.2.2, and Appendix B: Supporting Documentation for Risk Methodology and Assessment.

| | Assumption | Justification | Limitation | Applicable Models |
|---|---|---|---|---|
| | | | vegetation phenology compound the errors associated with vegetation moisture outputs | |
| Vegetation Fuels | Fuels are based on the ~~LandFire 2016 Fuel model (Scott & Burgan 2005) canopy and surface fuel models~~ Timber fuel layers, including an additional 19 custom fuel models.<br><br>Additional WUI and Non-Forested Land Use are based on customized fuel models representing fire propagation in those locations. (Technosylva, 2020). | ~~The majority of fire propagation models utilize Scott and Burgan models~~<br><br>These fuel models were developed through daily validation of fuels with fire behavior data from CalFire and California National Guard FireGuard data | These fuel models are static and only represent a snapshot in time at a 30m x 30m resolution. Given limitations in the spatial and temporal granularity of this information (e.g., changes in suburban development between the time the data was captured to present day), this data may not accurately represent details in land/vegetation types at the time of the ignition. | Wildfire Consequence |
| Combination of Risk Components /Weighting of Attributes | The natural unit consequences resulting from wildfire simulations are translated into | SCE developed its MAVF based on the principles as set forth in the S-MAP | The attributes are based on observable data and may not reflect other qualitative | Wildfire Consequence |

*corporation must identify areas that its risk analysis indicates are at a higher risk than indicated in the current HFTD. The electrical corporation must also describe its process for submitting proposed changes to the HFTD to the CPUC, if such changes are desired; the electrical corporation need not conclude that the HFTD should be modified. Any proposed changes to the HFTD must be mapped in accordance with the requirements in the previous sub- section.*

In 2019, SCE's Petition for Modification (PFM) to the CPUC resulted in a final decision D.20-12-030 (issued 12/21/2020) in Rulemaking 15.05.006 which formally adopted the remaining less than 1% of our non-CPUC HFRA into their Tier 2 and Tier 3 areas. At the time of this filing, all of SCE's HFRA[101] is now consistent with the CPUC HFTD maps. SCE will continue to review the HFTD boundaries each year per the AB 1054 requirements.

SCE has developed advanced analytical techniques using satellite image change detection and other processes to broadly detect and characterize changes in land use and land cover. These technical advances are utilized by a team of subject matter experts in fire science, enterprise risk management, grid operations, vegetation management, and fire management to consider potential removals or additions to HFRA.

- The primary inputs to SCE's HFRA Boundary Assessment process are outlined at a high level below.

- LandFire 2016 updated with additional classifiers from Technosylva to better represent urban fuel, as well as a projection of fuel growth in major fire scars from previous fire seasons with a fuel regrowth projection to 2030. Please see 2025 WMP for current information on fuel models.

- Wildland-Urban Interface (WUI) information from Silvis Labs, which may be further augmented with information from CAL FIRE.

- Historical wildfires from CAL FIRE's Fire Resource Assessment Program (FRAP); U.S. Forest Service Wildfire Burn Probability layer; and SCE internal wildfire consequence simulations, including wildfire hazard intensity metrics (e.g., flame length).

SCE's HFRA Boundary Assessment process is outlined at a high level below.

- Condense land use land cover information to identify locations with moderate to highly burnable fuels based on fuel loading conditions (e.g., grass, grass-shrubs, timber, and slash-blowdown).

- Identify locations with highly urbanized landcover with the assistance of WUI information from Silvis Labs to represent the boundary where highly combustible landcover meets urban landcover (e.g., WUI Interface/Intermix).


- Where overhead assets are present along this WUI boundary, create/add a 600-ft buffer from that interface into urbanized landcover. The 600-foot buffer is used as a conservative measure to address possible ignition fusing and facility failure which may occur along the immediate WUI boundary and could result in a small fire that may, under certain conditions, ignite more

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[101] SCE uses a 200-foot buffer extended from the HFTD to account for possible internal mapping discrepancies of assets.

**Table 6-5 - Summary of Top-Risk Circuits**[104]

| Risk Ranking | Circuits | Overall Utility Risk Score | Ignition Risk Score | PSPS Risk Score | Top Risk Contributors |
|---|---|---|---|---|---|
| 1 | PELONA | 0.1325 | 0.1325 | 0.0000 | CFO Other, EFF |
| 2 | LASKER | 0.1063 | 0.1063 | 0.0000 | CFO Other, EFF |
| 3 | CRAWFORD | 0.0999 | 0.0996 | 0.0003 | EFF, CFO Other |
| 4 | LOTTO | 0.0996 | 0.0996 | 0.0000 | EFF, CFO Other |
| 5 | RAYBURN | 0.0932 | 0.0932 | 0.0000 | EFF, CFO Other |
| 6 | SHOVEL | 0.0918 | 0.0918 | 0.0000 | EFF, CFO Other |
| 7 | STORES | 0.0902 | 0.0902 | 0.0000 | EFF, CFO Other |
| 8 | BIANCO | 0.0788 | 0.0786 | 0.0002 | CFO VEG, EFF |
| 9 | BLACKFOOT | 0.0785 | 0.0785 | 0.0000 | CFO Other, EFF |
| 10 | PINEWOOD | 0.0770 | 0.0769 | 0.0001 | EFF, CFO Other |
| 11 | PASCAL | 0.0756 | 0.0756 | 0.0000 | EFF, CFO Other |
| 12 | ROMERO | 0.0745 | 0.0745 | 0.0000 | CFO Other, EFF |
| 13 | PURCHASE | 0.0728 | 0.0728 | 0.0000 | EFF, CFO Other |
| 14 | LIMITED | 0.0688 | 0.0688 | 0.0000 | EFF, CFO Other |
| 15 | SCHMIDT | 0.0688 | 0.0687 | 0.0000 | EFF, CFO Other |
| 16 | RHODA | 0.0667 | 0.0667 | 0.0000 | CFO Other, EFF |
| 17 | KENO | 0.0638 | 0.0637 | 0.0001 | EFF, CFO Other |
| 18 | QUINBY | 0.0620 | 0.0620 | 0.0000 | CFO Other, EFF |
| 19 | MULHOLLAND | 0.0618 | 0.0618 | 0.0000 | EFF, CFO Other |
| 20 | TONTO | 0.0590 | 0.0581 | 0.0009 | CFO Other, EFF |
| 21 | DINELY | 0.0586 | 0.0586 | 0.0000 | EFF, CFO Other |
| 22 | WAITE | 0.0580 | 0.0580 | 0.0000 | EFF, CFO Other |
| 23 | POPPET FLATS | 0.0568 | 0.0568 | 0.0000 | EFF, CFO Other |
| 24 | ROTEC | 0.0568 | 0.0568 | 0.0000 | EFF, CFO Other |
| 25 | IDA | 0.0539 | 0.0539 | 0.0000 | EFF, CFO Other |

[104] Risk scores as of 1/1/2023 calculated via the MARS Framework. Values for Overall Utility Risk Score, Ignition Risk Score, and PSPS Risk Score represent average MARS value per circuit mile within HFRA. Top Risk Contributors indicates the top two risk drivers (listed in order). SCE updated this table on April 2, 2024. Please see Chapter 1 of the 2025 WMP Update for details.

| Risk Ranking | Circuits | Overall Utility Risk Score | Ignition Risk Score | PSPS Risk Score | Top Risk Contributors |
|---|---|---|---|---|---|
| 26 | PERRIS | 0.0528 | 0.0528 | 0.0000 | EFF, CFO Other |
| 27 | ERSKINE | 0.0517 | 0.0517 | 0.0000 | EFF, CFO Other |
| 28 | BODKIN | 0.0508 | 0.0507 | 0.0000 | EFF, CFO Other |
| 29 | ACROBAT | 0.0502 | 0.0502 | 0.0001 | CFO Other, EFF |
| 30 | DOLORES | 0.0493 | 0.0493 | 0.0000 | EFF, CFO Other |
| 31 | CHUMASH | 0.0492 | 0.0491 | 0.0000 | CFO Other, CFO VEG |
| 32 | TUDOR | 0.0491 | 0.0491 | 0.0000 | EFF, CFO Other |
| 33 | AMETHYST | 0.0491 | 0.0489 | 0.0002 | EFF, CFO Other |
| 34 | KUFFEL | 0.0490 | 0.0490 | 0.0000 | EFF, CFO Other |
| 35 | PHEASANT | 0.0488 | 0.0488 | 0.0000 | EFF, CFO Other |
| 36 | BURNT MOUNTAIN | 0.0475 | 0.0474 | 0.0000 | EFF, CFO Other |
| 37 | PIONEERTOWN | 0.0468 | 0.0468 | 0.0000 | EFF, CFO Other |
| 38 | SILVA | 0.0468 | 0.0442 | 0.0026 | CFO Other, PSPS |
| 39 | PICONI | 0.0468 | 0.0468 | 0.0000 | CFO Other, EFF |
| 40 | GAMBLER | 0.0464 | 0.0464 | 0.0000 | EFF, CFO Other |
| 41 | TRIUNFO | 0.0458 | 0.0458 | 0.0000 | EFF, CFO Other |
| 42 | PARCO | 0.0458 | 0.0451 | 0.0007 | EFF, CFO Other |
| 43 | STONEMAN | 0.0458 | 0.0458 | 0.0000 | EFF, CFO Other |
| 44 | MUSTANG | 0.0452 | 0.0451 | 0.0000 | EFF, CFO Other |
| 45 | DICE | 0.0450 | 0.0450 | 0.0000 | EFF, CFO Other |
| 46 | LA GRANDE | 0.0449 | 0.0448 | 0.0001 | CFO Other, EFF |
| 47 | LUISENO | 0.0447 | 0.0447 | 0.0000 | EFF, CFO Other |
| 48 | MUTUAL | 0.0444 | 0.0441 | 0.0003 | CFO Other, EFF |

*Note: Once populated, if this table is longer than two pages, the electrical corporation must append the table.*

### 6.4.3   Other Key Metrics

*The electrical corporation must calculate, track, and present on several other key metrics of risk across its service territory. These include, but are not limited to the frequency of:*

| Risk Ranking | Circuits | Overall Utility Risk Score | Ignition Risk Score | PSPS Risk Score | Top Risk Contributors |
|---|---|---|---|---|---|
| 1 | CRAWFORD | 0.1944 | 0.1941 | 0.0003 | EFF, CFO Other |
| 2 | LOUCKS | 0.1773 | 0.1773 | 0.0000 | CFO Other, EFF |
| 3 | ENERGY | 0.1484 | 0.1484 | 0.0000 | EFF, CFO Other |
| 4 | PHEASANT | 0.1441 | 0.1441 | 0.0000 | CFO Other, EFF |
| 5 | CERRITO | 0.1350 | 0.1350 | 0.0001 | EFF, CFO Other |
| 6 | PELONA | 0.1268 | 0.1268 | 0.0000 | CFO Other, EFF |
| 7 | AMETHYST | 0.1266 | 0.1264 | 0.0002 | EFF, CFO Other |
| 8 | RANGER | 0.1217 | 0.1217 | 0.0000 | EFF, CFO VEG |
| 9 | LIMITED | 0.1087 | 0.1087 | 0.0000 | EFF, CFO Other |
| 10 | CHAMPION | 0.1083 | 0.1083 | 0.0000 | EFF, CFO Other |
| 11 | STORES | 0.1067 | 0.1067 | 0.0000 | EFF, CFO Other |
| 12 | DAVENPORT | 0.1044 | 0.1044 | 0.0000 | EFF, CFO Other |
| 13 | TREMAINE | 0.1039 | 0.1039 | 0.0000 | EFF, CFO VEG |
| 14 | TWIN PEAKS | 0.0988 | 0.0988 | 0.0000 | EFF, CFO Other |
| 15 | ROTEC | 0.0977 | 0.0977 | 0.0000 | EFF, CFO Other |
| 16 | CORINTH | 0.0966 | 0.0966 | 0.0000 | EFF, CFO Other |
| 17 | TATANKA | 0.0904 | 0.0904 | 0.0000 | CFO Other, CFO VEG |
| 18 | RAYBURN | 0.0874 | 0.0873 | 0.0000 | EFF, CFO Other |
| 19 | PURCHASE | 0.0860 | 0.0860 | 0.0000 | EFF, CFO Other |
| 20 | ROMERO | 0.0856 | 0.0855 | 0.0000 | CFO Other, EFF |
| 21 | HEAPS PEAK | 0.0856 | 0.0856 | 0.0000 | EFF, CFO Other |
| 22 | DYSART | 0.0837 | 0.0837 | 0.0000 | CFO Other, EFF |
| 23 | TONTO | 0.0817 | 0.0808 | 0.0009 | CFO Other, EFF |
| 24 | SHOVEL | 0.0815 | 0.0815 | 0.0000 | CFO Other, EFF |
| 25 | CUDDEBACK | 0.0810 | 0.0810 | 0.0000 | CFO Other, EFF |
| 26 | CRESTLINE | 0.0810 | 0.0809 | 0.0001 | EFF, CFO VEG |
| 27 | ALOLA #2 | 0.0801 | 0.0801 | 0.0000 | EFF, CFO VEG |
| 28 | UTE | 0.0774 | 0.0774 | 0.0000 | CFO Other, EFF |
| 29 | GUFFY | 0.0773 | 0.0773 | 0.0000 | EFF, CFO Other |
| 30 | CEDAR GLEN | 0.0766 | 0.0766 | 0.0000 | EFF, CFO Other |
| 31 | SONOMA | 0.0760 | 0.0760 | 0.0000 | CFO Other, EFF |
| 32 | POPPET FLATS | 0.0755 | 0.0755 | 0.0000 | EFF, CFO Other |
| 33 | LUISENO | 0.0755 | 0.0755 | 0.0000 | CFO Other, EFF |
| 34 | TRIUNFO | 0.0714 | 0.0713 | 0.0000 | CFO Other, EFF |
| 35 | LASKER | 0.0704 | 0.0704 | 0.0000 | CFO Other, EFF |

| Risk Ranking | Circuits | Overall Utility Risk Score | Ignition Risk Score | PSPS Risk Score | Top Risk Contributors |
|---|---|---|---|---|---|
| 36 | DICE | 0.0697 | 0.0697 | 0.0000 | CFO Other, EFF |
| 37 | BLACKBIRD | 0.0695 | 0.0695 | 0.0000 | EFF, CFO Other |
| 38 | SAUNDERS | 0.0695 | 0.0695 | 0.0000 | EFF, CFO Other |
| 39 | WOBEGONE | 0.0688 | 0.0688 | 0.0000 | CFO Other, EFF |
| 40 | HIGH SCHOOL | 0.0684 | 0.0684 | 0.0000 | EFF, CFO VEG |
| 41 | CALSTATE | 0.0679 | 0.0674 | 0.0005 | CFO Other, EFF |
| 42 | NORTH SHORE | 0.0678 | 0.0677 | 0.0001 | EFF, CFO Other |
| 43 | PAWNEE | 0.0676 | 0.0676 | 0.0000 | EFF, CFO Other |
| 44 | WAITE | 0.0655 | 0.0655 | 0.0000 | EFF, CFO Other |
| 45 | GORGE | 0.0650 | 0.0650 | 0.0000 | CFO Other, EFF |
| 46 | PASCAL | 0.0648 | 0.0648 | 0.0000 | EFF, CFO Other |
| 47 | SEELEY | 0.0643 | 0.0643 | 0.0001 | EFF, CFO Other |
| 48 | BERKSHIRE | 0.0638 | 0.0638 | 0.0000 | CFO Other, EFF |

### 7.2.2   Anticipated Risk Reduction

*In this section, the electrical corporation must present an overview of the expected risk reduction of its wildfire mitigation activities.*

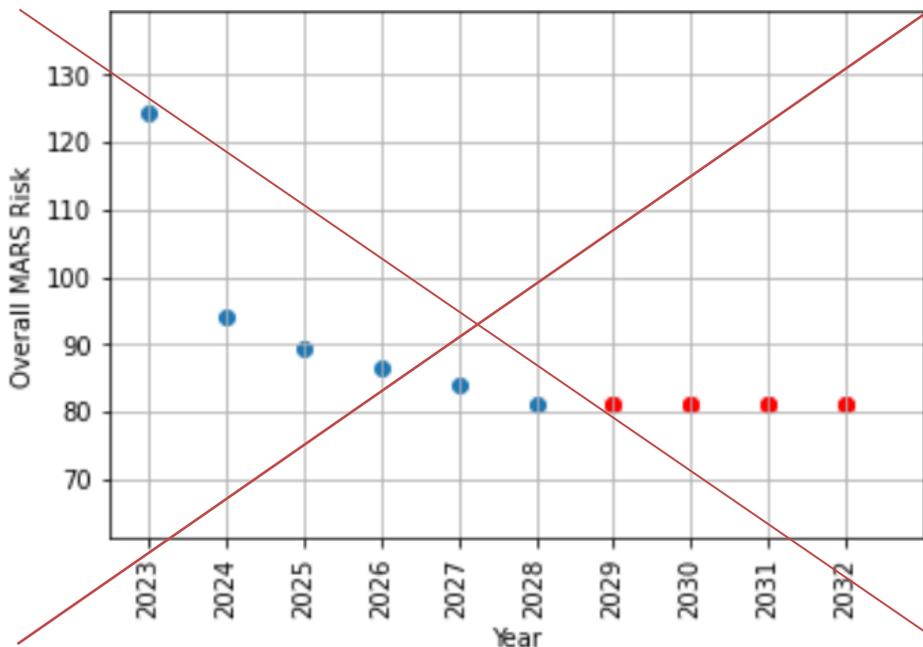*The electrical corporation must provide:*

- *Projected overall risk reduction*

- *Projected risk reduction on highest-risk circuits over the three-year WMP cycle*

### 7.2.2.1   Projected Overall Risk Reduction

*In this section, the electrical corporation must provide a figure showing the overall utility risk in its service territory as a function of time, assuming the electrical corporation meets the planned timeline for implementing the mitigations. The figure is expected to cover at least 10 years. If the electrical corporation proposes risk reduction strategies for a duration longer than ten years, this figure must show that corresponding time frame. Figure 7-1. is an example of a graph showing the long-term projected changes in overall risk.*

As part of IWMS, SCE uses MARS to help quantify risk at a particular point of time and then to demonstrate risk reduction. Please see Figure 7-1, where SCE has projected overall risk in HFRA for the years of 2023 through 2028 (represented by the blue dots), which covers the current WMP cycle and the forecast period in SCE's 2025 General Rate Case. SCE has assumed a steady state risk level for the years of 2029 through 2032 (represented by the red dots), as SCE has not currently planned or scoped incremental mitigations after 2028, other than the replacement of retired overheard bare distribution wire with covered conductor pursuant to SCE's design standards in HFRA. SCE updated this figure on April 2, 2024. Please see Chapter 1 of the 2025 WMP Update for details.

#### Figure 7-1 - Projected Overall HFRA Risk
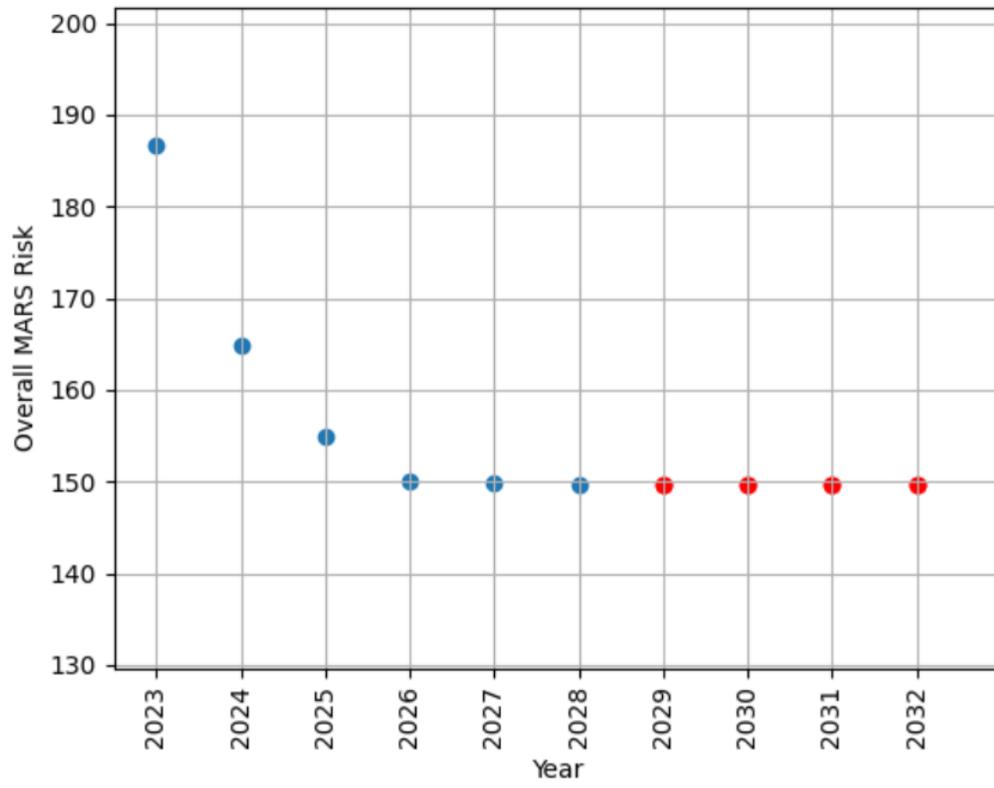
### 7.2.2.2 Risk Impact of Mitigation Initiatives

*The electrical corporation must calculate the expected "x% risk impact" of each of its mitigation initiative activity targets for each year from 2023–2025. The expected x% risk impact is the expected percentage risk reduction on the last day of each year compared to the first day of that same year. For example: For protective devices and sensitivity settings, the risk on Jan. 1, 2024 = 2.59 × 10⁻¹ After meeting its planned initiative activity targets for protective devices and sensitivity settings, the risk on Jan. 1, 2024 = 1.29 × 10⁻¹ The expected x% risk impact for the protective devices and sensitivity settings initiative in 2024 is:*

$$\frac{\text{risk before} - \text{risk after}}{\text{risk before}} \times 100$$

$$\frac{2.59 \times 10^{-1} - 1.29 \times 10^{-1}}{2.59 \times 10^{-1}} \times 100 = 50\%$$

*The expected "x% risk impact" numbers must be reported for each planned mitigation initiative activities in the specific mitigation initiative sections of Section 8 (see example tables in Section 8).*

### 7.2.2.3 Projected Risk Reduction on Highest-Risk Circuits Over the Three- Year WMP Cycle

*The objective of the service territory risk reduction summary is to provide an integrated view of wildfire risk reduction across the electrical corporation's service territory. The electrical corporation must provide the following information:*

- *Tabular summary of number risk reduction for each high-risk circuit, showing rick levels before and after the implementation of mitigation initiatives. This must include the same circuits, segments, or span IDs presented in Section 6.4.2. The table must incluse the following information for ach circuit*

  - *Circuit, Segment, or Span ID: Unique identifier for the circuit, segment, or span.*

    - *If there are multiple initiatives per ID, each must be listed separately, using an extender to provide a unique identifier*

    - *Overall Utility Risk: Numerical value for the overall utility risk before and after each mitigation initiative.*

    - *Mitigation initiatives by implementation year: Mitigation initiatives the electrical corporation plans to apply to the circuit in each year of the WMP cycle.*

*Table 7-4 provides an example of a summary of risk reduction for top-risk circuits.*

Table 7-4 shows the same circuits presented in Section 6.4.2, using MARS to rank them by overall utility risk in HFRA. To be clear, the existing risk as of January 1, 2023 takes into account covered conductor that was installed prior to 2023. Residual risk may remain high according to MARS for some circuits even after covered conductor is installed due to high potential consequence in those areas. SCE provides a more detailed description of the top-risk circuits below. SCE updated this table on April 2, 2024. Please see Chapter 1 of the 2025 WMP Update for details.

*Table 7-4 - Summary of Risk Reduction for Top-Risk Circuits*

| Circuit | Jan. 1, 2023 Overall utility risk | Jan. 1, 2023 – Dec. 31, 2023 Mitigation Initiatives | Jan. 1, 2024 Overall utility risk | Jan. 1, 2024 – Dec. 31, 2024 Mitigation Initiatives | Jan. 1, 2025 Overall utility risk | Jan. 1, 2025 – Dec. 31, 2025 Mitigation Initiatives | Jan. 1, 2026 Overall utility risk |
|---|---|---|---|---|---|---|---|
| SHOVEL | 3.3369 | Covered Conductor, REFCL, Branch Line Fuses Risk-Informed Inspections and Remediations and Vegetation Management | 1.2043 | Risk-Informed Inspections and Remediations and Vegetation Management | 1.2042 | Covered Conductor, Vibration Damper, Risk-Informed Inspections and Remediations and Vegetation Management | 1.1929 |
| KENO | 2.6917 | Covered Conductor, REFCL, Branch Line Fuses Risk-Informed Inspections and Remediations and Vegetation Management | 0.8053 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.8053 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.8020 |
| PIONEERTOWN | 2.6574 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 2.2198 | Risk-Informed Inspections and Remediations and Vegetation Management | 2.2198 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 2.1544 |
| ERSKINE | 2.6531 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 1.4525 | Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 1.4503 | Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 1.4500 |
| GAMBLER | 2.3818 | Covered Conductor, REFCL, Branch Line Fuses Risk-Informed Inspections and Remediations and Vegetation Management | 0.6075 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.6075 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.6071 |
| LASKER | 2.0455 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.9112 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.9112 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.9078 |
| MUSTANG | 2.0347 | Covered Conductor, Branch Line Fuses, Vertical Switches Risk-Informed Inspections and Remediations and Vegetation Management | 1.1127 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 1.0281 | Risk-Informed Inspections and Remediations and Vegetation Management | 1.0214 |
| STORES | 1.5872 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 1.5752 | Risk-Informed Inspections and Remediations and Vegetation Management | 1.5752 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 1.5686 |
| POPPET FLATS | 1.4363 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 1.1715 | Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 1.1689 | Risk-Informed Inspections and Remediations and Vegetation Management | 1.1678 |

| Circuit | Jan. 1, 2023 Overall utility risk | Jan. 1, 2023 – Dec. 31, 2023 Mitigation Initiatives | Jan. 1, 2024 Overall utility risk | Jan. 1, 2024 – Dec. 31, 2024 Mitigation Initiatives | Jan. 1, 2025 Overall utility risk | Jan. 1, 2025 – Dec. 31, 2025 Mitigation Initiatives | Jan. 1, 2026 Overall utility risk |
|---|---|---|---|---|---|---|---|
| STONEMAN | 1.1219 | Covered Conductor, Branch Line Fuses, Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5823 | Vibration Damper, Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5822 | REFCL, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2981 |
| MULHOLLAND | 1.1129 | Covered Conductor, Undergrounding, Branch Line Fuses, Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.6732 | Undergrounding, Vibration Damper, Long Span Initiative Risk-Informed Inspections and Remediations and Vegetation Management | 0.5433 | Covered Conductor, Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5433 |
| SCHMIDT | 1.0296 | Covered Conductor, Undergrounding, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation | 0.6651 | Undergrounding, Risk-Informed Inspections and Remediations and Vegetation Management | 0.6609 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.6609 |
| RAYBURN | 0.9666 | Covered Conductor, Undergrounding, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation | 0.4636 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.4636 | REFCL, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2398 |
| PICONI | 0.8079 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3524 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.3524 | Vibration Damper, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3432 |
| PASCAL | 0.7527 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3579 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.3579 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.3579 |
| BURNT MOUNTAIN | 0.6542 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.6503 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.6346 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.6346 |
| TUDOR | 0.5491 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5473 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.5473 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5234 |
| ACROBAT | 0.5427 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2531 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2531 | REFCL, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1128 |
| IDA | 0.5036 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3919 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.3919 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.3906 |
| LOTTO | 0.4354 | Covered Conductor, REFCL, Branch Line Fuses, Risk-Informed Inspections | 0.2755 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2018 | Risk-Informed Inspections and Remediations and Vegetation | 0.2013 |

| Circuit | Jan. 1, 2023 Overall utility risk | Jan. 1, 2023 – Dec. 31, 2023 Mitigation Initiatives | Jan. 1, 2024 Overall utility risk | Jan. 1, 2024 – Dec. 31, 2024 Mitigation Initiatives | Jan. 1, 2025 Overall utility risk | Jan. 1, 2025 – Dec. 31, 2025 Mitigation Initiatives | Jan. 1, 2026 Overall utility risk |
|---|---|---|---|---|---|---|---|
| | | and Remediations and Vegetation Management | | | | Management | |
| BLACKFOOT | 0.2768 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2611 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2611 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2573 |
| LUISENO | 0.2686 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1642 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1642 | Vibration Damper, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1458 |
| PELONA | 0.1954 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1953 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1953 | REFCL, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0907 |
| RHODA | 0.1923 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0609 | Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0607 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0606 |
| PURCHASE | 0.1710 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1705 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1705 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1705 |
| TRIUNFO | 0.1463 | Undergrounding, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1409 | Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1365 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1361 |
| PERRIS | 0.1409 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1397 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1397 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1384 |
| DINELY | 0.1348 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1340 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1340 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1340 |
| KUFFEL | 0.1327 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1322 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0713 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0713 |
| ROTEC | 0.1208 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1197 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0809 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0801 |
| PHEASANT | 0.1139 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation | 0.1137 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1137 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1123 |

| Circuit | Jan. 1, 2023 Overall utility risk | Jan. 1, 2023 – Dec. 31, 2023 Mitigation Initiatives | Jan. 1, 2024 Overall utility risk | Jan. 1, 2024 – Dec. 31, 2024 Mitigation Initiatives | Jan. 1, 2025 Overall utility risk | Jan. 1, 2025 – Dec. 31, 2025 Mitigation Initiatives | Jan. 1, 2026 Overall utility risk |
|---|---|---|---|---|---|---|---|
| | | Management | | | | | |
| QUINBY | 0.0996 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0343 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0339 | REFCL, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0176 |
| PINEWOOD | 0.0976 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0976 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0976 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0909 |
| BIANCO | 0.0861 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0859 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0859 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0840 |
| MUTUAL | 0.0853 | Covered Conductor, Branch Line Fuses, Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0494 | Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0489 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0489 |
| ROMERO | 0.0807 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0352 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0352 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0352 |
| BODKIN | 0.0770 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0768 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0768 | REFCL, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0416 |
| DICE | 0.0738 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0655 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0655 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0655 |
| TONTO | 0.0660 | Covered Conductor, Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0296 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0296 | REFCL, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0110 |
| AMETHYST | 0.0655 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0636 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0636 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0636 |
| LA GRANDE | 0.0628 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0623 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0524 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0510 |
| DOLORES | 0.0571 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0569 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0444 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0444 |
| WAITE | 0.0510 | Risk-Informed Inspections and Remediations and Vegetation | 0.0510 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0510 | Covered Conductor, REFCL, Risk-Informed Inspections and Remediations | 0.0307 |

| Circuit | Jan. 1, 2023 Overall utility risk | Jan. 1, 2023 – Dec. 31, 2023 Mitigation Initiatives | Jan. 1, 2024 Overall utility risk | Jan. 1, 2024 – Dec. 31, 2024 Mitigation Initiatives | Jan. 1, 2025 Overall utility risk | Jan. 1, 2025 – Dec. 31, 2025 Mitigation Initiatives | Jan. 1, 2026 Overall utility risk |
|---|---|---|---|---|---|---|---|
| | | Management | | | | and Vegetation Management | |
| CRAWFORD | 0.0306 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0306 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0306 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0306 |
| SILVA | 0.0221 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0090 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0090 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0090 |
| PARCO | 0.0171 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0169 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0099 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0089 |
| LIMITED | 0.0027 | Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0022 | Covered Conductor, Long Span Initiative, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0007 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0007 |
| CHUMASH | 0.0027 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0027 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0027 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0027 |

| Circuit Name | Jan. 1, 2023 Overall utility risk | Jan. 1, 2023 - Dec. 31, 2023 Mitigation Initiatives | Jan. 1, 2024 Overall utility risk | Jan. 1, 2024 - Dec. 31, 2024 Mitigation Initiatives | Jan. 1, 2025 Overall utility risk | Jan. 1, 2025 - Dec. 31, 2025 Mitigation Initiatives | Jan. 1, 2026 Overall utility risk |
|---|---|---|---|---|---|---|---|
| DAVENPORT | 6.3569 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 6.3355 | Risk-Informed Inspections and Remediations and Vegetation Management | 6.3355 | Risk-Informed Inspections and Remediations and Vegetation Management | 6.3355 |
| SHOVEL | 3.4842 | Branch Line Fuses, Covered Conductor, Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management | 1.6959 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 1.6449 | Risk-Informed Inspections and Remediations and Vegetation Management | 1.6449 |
| PAWNEE | 3.4283 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 3.4185 | Risk-Informed Inspections and Remediations and Vegetation Management | 3.4185 | Risk-Informed Inspections and Remediations and Vegetation Management | 3.4185 |
| ENERGY | 3.3210 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 3.2413 | Risk-Informed Inspections and Remediations and Vegetation Management | 3.2413 | Risk-Informed Inspections and Remediations and Vegetation Management | 3.2413 |
| SONOMA | 2.6413 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 2.4296 | Risk-Informed Inspections and Remediations and Vegetation Management | 2.4296 | Risk-Informed Inspections and Remediations and Vegetation Management | 2.4296 |
| SAUNDERS | 2.3616 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 2.3499 | Risk-Informed Inspections and Remediations and Vegetation Management | 2.3499 | Risk-Informed Inspections and Remediations and Vegetation Management | 2.3499 |
| STORES | 2.3159 | Long Span Initiative (LSI), Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 2.3105 | Long Span Initiative (LSI), Risk-Informed Inspections and Remediations and Vegetation Management | 2.3100 | Risk-Informed Inspections and Remediations and Vegetation Management | 2.3100 |
| POPPET FLATS | 2.2171 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 2.2071 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 2.1963 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 2.1828 |
| WOBEGONE | 2.2045 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 2.1977 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 2.1944 | Risk-Informed Inspections and Remediations and Vegetation Management | 2.1944 |
| CUDDEBACK | 1.4291 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 1.4231 | Risk-Informed Inspections and Remediations and Vegetation Management | 1.4231 | Risk-Informed Inspections and Remediations and Vegetation Management | 1.4231 |
| LASKER | 1.3239 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 1.2660 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 1.0551 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 1.0526 |

| Circuit Name | Jan. 1, 2023 Overall utility risk | Jan. 1, 2023 - Dec. 31, 2023 Mitigation Initiatives | Jan. 1, 2024 Overall utility risk | Jan. 1, 2024 - Dec. 31, 2024 Mitigation Initiatives | Jan. 1, 2025 Overall utility risk | Jan. 1, 2025 - Dec. 31, 2025 Mitigation Initiatives | Jan. 1, 2026 Overall utility risk |
|---|---|---|---|---|---|---|---|
| LUISENO | 1.2120 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 1.1131 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 1.1089 | Risk-Informed Inspections and Remediations and Vegetation Management | 1.1089 |
| LOUCKS | 0.9764 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.9732 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.9732 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.9732 |
| RAYBURN | 0.9246 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.8687 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.8390 | Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management | 0.6097 |
| CRESTLINE | 0.9202 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.8803 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.8707 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.8707 |
| DYSART | 0.8369 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.8361 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.8361 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.8361 |
| PHEASANT | 0.6983 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.6967 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.6967 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.6903 |
| CEDAR GLEN | 0.6697 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.6531 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.6206 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.6206 |
| PASCAL | 0.6652 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.6644 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3797 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.3797 |
| GORGE | 0.5970 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5961 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3782 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3129 |
| ALPINE | 0.5671 | Vertical Switches, Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5271 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5080 | Long Span Initiative (LSI), Risk-Informed Inspections and Remediations and Vegetation Management | 0.5079 |
| NORTH SHORE | 0.5609 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5295 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5227 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.5227 |
| CHEVELLE | 0.5568 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.5568 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.5568 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.5568 |

| Circuit Name | Jan. 1, 2023 Overall utility risk | Jan. 1, 2023 - Dec. 31, 2023 Mitigation Initiatives | Jan. 1, 2024 Overall utility risk | Jan. 1, 2024 - Dec. 31, 2024 Mitigation Initiatives | Jan. 1, 2025 Overall utility risk | Jan. 1, 2025 - Dec. 31, 2025 Mitigation Initiatives | Jan. 1, 2026 Overall utility risk |
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| TREMAINE | 0.5264 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.5243 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.5243 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2765 |
| RANGER | 0.4923 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.4900 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.4893 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.4893 |
| CORINTH | 0.4253 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2934 | Risk-Informed Inspections and Inspections Remediations and Vegetation Management | 0.2934 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2934 |
| HIGH SCHOOL | 0.4200 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.4050 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3856 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.3856 |
| GUFFY | 0.3674 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3578 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3564 | Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management | 0.2207 |
| SEELEY | 0.3637 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3532 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3228 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.3228 |
| ROTEC | 0.3350 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1939 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1939 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1939 |
| DICE | 0.3140 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3140 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2753 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2753 |
| TATANKA | 0.3107 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.3090 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2963 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2076 |
| PURCHASE | 0.2533 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2533 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2410 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2410 |
| CERRITO | 0.2474 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2455 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2455 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2455 |
| TRIUNFO | 0.2253 | Long Span Initiative (LSI), Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2237 | Long Span Initiative (LSI), Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1597 | Targeted Undergrounding - Distribution, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1467 |

| Circuit Name | Jan. 1, 2023 Overall utility risk | Jan. 1, 2023 - Dec. 31, 2023 Mitigation Initiatives | Jan. 1, 2024 Overall utility risk | Jan. 1, 2024 - Dec. 31, 2024 Mitigation Initiatives | Jan. 1, 2025 Overall utility risk | Jan. 1, 2025 - Dec. 31, 2025 Mitigation Initiatives | Jan. 1, 2026 Overall utility risk |
|---|---|---|---|---|---|---|---|
| ALOLA #2 | 0.2005 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.2002 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2002 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.2002 |
| PELONA | 0.1993 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1992 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1992 | Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management | 0.1566 |
| WAITE | 0.1899 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1887 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1887 | Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management | 0.0948 |
| LIMITED | 0.1718 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1707 | Long Span Initiative (LSI), Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1647 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.1409 |
| AMETHYST | 0.1689 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1689 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1689 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.1689 |
| TONTO | 0.0954 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0641 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0641 | Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management | 0.0543 |
| CRAWFORD | 0.0893 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0889 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0889 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0889 |
| CALSTATE | 0.0854 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0854 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0838 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0838 |
| ROMERO | 0.0828 | Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0335 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0335 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0335 |
| UTE | 0.0729 | Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0720 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0366 | Long Span Initiative (LSI), Risk-Informed Inspections and Remediations and Vegetation Management | 0.0363 |
| TUNGSTEN | 0.0571 | Vertical Switches, Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0530 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0530 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0418 |

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|---|---|---|---|---|---|---|---|
| BLACKBIRD | 0.0514 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0514 | Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0470 | Long Span Initiative (LSI), Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management | 0.0436 |
| CHAMPION | 0.0385 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0385 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0385 | Risk-Informed Inspections and Remediations and Vegetation Management | 0.0385 |

*Table 8-3 - Grid Design, Operations, and Maintenance Targets by Year*

| Initiative Activity | Tracking ID | 2023 Target & Unit | x% Risk Impact 2023 (Unit /HFRA) | % in SRA/HCA 2023 | 2024 Target & Unit | x% Risk Impact 2024 (Unit /HFRA) | % in SRA/HCA 2024 | 2025 Target & Unit | x% Risk Impact 2025 (Unit /HFRA) | % in SRA/HCA 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Covered Conductor | SH-1 | Install **1,100** circuit miles of covered conductor in SCE's HFRA<br><br>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 | 51% / 20% | 91% | Install **1,050** circuit miles of covered conductor in SCE's HFRA<br><br>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 | 53%/6% | 91% | Install ~~500~~ **700** circuit miles of covered conductor in SCE's HFRA<br><br>SCE will strive to install up to as many as **~~600~~ 850** circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks | ~~51%~~ 49.8%/ ~~4%~~ 1.5% | 80% | Listing of completed Work Orders |
| Underground-ing Overhead Conductor | SH-2 | Convert **11** circuit miles of overhead to underground in SCE's HFRA | 98%/.22% | 100% | Convert **16** circuit miles of overhead to underground in SCE's HFRA<br><br>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 | 98%/.64% | 100% | Convert **~~30~~ 48** circuit miles of overhead to underground in SCE's HFRA<br><br>SCE will strive to convert up to **60** miles of overhead to underground in SCE's HFRA, subject to resource constraints and other execution risks | 98%/.9% | 100% | Listing of completed Work Orders |
| Branch Line Protection strategy | SH-4 | Install or replace fusing at **500** fuse locations that serve HFRA circuitry<br><br>SCE will strive to install or replace fusing at up to **570** locations that serve HFRA circuitry, subject to resource constraints and other execution risks | 7%/.31% | 97% | N/A – Sunsetting in 2023, further fuse replacements will be completed via opportunity work | N/A | N/A | N/A – Sunsetting in 2023, further fuse replacements will be completed via opportunity work | N/A | N/A | Listing of completed Work Orders |

| Initiative Activity | Tracking ID | 2023 Target & Unit | x% Risk Impact 2023 (Unit /HFRA) | % in SRA/HCA 2023 | 2024 Target & Unit | x% Risk Impact 2024 (Unit /HFRA) | % in SRA/HCA 2024 | 2025 Target & Unit | x% Risk Impact 2025 (Unit /HFRA) | % in SRA/HCA 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vibration Damper Retrofit | SH-16 | Retrofit vibration dampers on **300** structures where covered conductor is already installed in SCE's HFRA<br><br>SCE will strive to retrofit vibration dampers on up to **400** structures where covered conductor is already installed in SCE's HFRA, subject to resource constraints and other execution risks | 19%/.04% | 100% | Retrofit vibration dampers on **500** structures where covered conductor is already installed in SCE's HFRA<br><br>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 | 11%/.01% | 99% | Retrofit vibration dampers on **600** structures where covered conductor is already installed in SCE's HFRA<br><br>SCE will strive to retrofit vibration dampers on up to **800** structures where covered conductor is already installed in SCE's HFRA, subject to resource constraints and other execution risks | 20%/.09% | 100% | Listing of completed Work Orders |
| Rapid Earth Fault Current Limiters (REFCL) (Ground Fault Neutralizer (GFN)) | SH-17 | SCE will complete construction of GFN at **two** substations (Acton and Phelan) | 47%/3.6% | 94% | SCE will complete construction of GFN at **one** substation (Banducci) | 45%/.54% | 88% | SCE will complete construction of GFN at ~~two four~~ substations<br><br>SCE will strive to complete construction of GFN at **four** substations | 49%/1.8% | 89% | Listing of completed Work Orders |
| Rapid Earth Fault Current Limiters (REFCL) - Grounding Conversion | SH-18 | SCE will complete grounding conversion at **one** location, subject to land availability. | 45%/.06% | 91% | SCE will target **four** locations for grounding conversion, subject to land availability<br><br>SCE will strive to target up to **6** locations for grounding conversion, subject to land availability | N/A scope not determined yet | N/A scope not determined yet | SCE will target **four** locations for grounding conversion, subject to land availability<br><br>SCE will strive to target up to **6** locations for grounding conversion, subject to land availability | N/A scope not determined yet | N/A scope not determined yet | Listing of completed Work Orders |

The risk impact percentages shown in Table 8-4 are based on the cumulative MARS scores of the structures SCE expects to inspect for each initiative annually, divided by the cumulative MARS scores for all structures of that type in HFRA. SCE also provides the percentage of an initiative's inspection scope that is in Severe Risk and High Consequence areas.

*Table 8-4 - Asset Inspections Targets by Year*

| Initiative Activity | Tracking ID | Target End of Q2 2023 & Unit | Target End of Q3 2023 & Unit | End of Year Target 2023 & Unit | x% Risk Impact 2023 | % in SRA/HC 2023 | Target End of Q2 2024 & Unit | Target End of Q3 2024 & Unit | End of Year Target 2024 & Unit | x% Risk Impact 2024 | % in SRA/HC 2023 | Target 2025 & Unit | x% Risk Impact 2025 | % in SRA/ HC 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Distribution High Fire Risk-Informed (HFRI) Inspections and Remediations (Ground and Aerial) | IN-1.1 | 101,320 | 172,640 | Inspect **187,000** structures in HFRA<br><br>SCE will strive to inspect up to **217,000** structures in HFRA<br><br>This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs) | 90% | 94% | 101,320 | 172,640 | Inspect **187,000** structures in HFRA<br><br>SCE will strive to inspect up to **217,000** structures in HFRA<br><br>This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs) | 90% | 94% | Inspect **187,000** structures in HFRA<br><br>Q2 Target: 101,000<br>Q3 Target: 172,000<br><br>SCE will strive to inspect up to **217,000** structures in HFRA<br><br>This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs) | 90% | 94% | Listing of completed Work Orders |
| Transmission High Fire Risk-Informed (HFRI) Inspections and Remediations (Ground and Aerial) | IN-1.2 | 14,400 | 25,800 | Inspect **28,000** structures in HFRA<br><br>SCE will strive to inspect up to **29,500** structures in HFRA<br><br>This target includes HFRI inspections, compliance due structures in HFRA | 88% (Ground)<br><br>88% (Aerial) | 86% | 14,400 | 25,800 | Inspect **28,000** structures in HFRA<br><br>SCE will strive to inspect up to **29,500** structures in HFRA<br><br>This target includes HFRI inspections, | 88% (Ground)<br><br>88% (Aerial) | 86% | Inspect **24,500** ~~28,000~~ structures in HFRA<br><br>Q2 Target: 14,000<br>Q3 Target: 22,500<br><br>SCE will strive to inspect up to **29,500** structures in HFRA.<br><br>This target includes HFRI inspections, compliance due structures in HFRA | 88% (Ground)<br><br>88% (Aerial) | 86% | Listing of completed Work Orders |

| Initiative Activity | Tracking ID | Target End of Q2 2023 & Unit | Target End of Q3 2023 & Unit | End of Year Target 2023 & Unit | x% Risk Impact 2023 | % in SRA/HC 2023 | Target End of Q2 2024 & Unit | Target End of Q3 2024 & Unit | End of Year Target 2024 & Unit | x% Risk Impact 2024 | % in SRA/HC 2023 | Target 2025 & Unit | x% Risk Impact 2025 | % in SRA/HC 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | and emergent risks identified during the fire season (e.g., AOC) | | | | | compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOC) | | | and emergent risks identified during the fire season (e.g., AOC) | | | |
| Infrared Inspection of Energized Overhead Distribution Facilities and Equipment | IN-3 | 2,295 | 5,300 | Inspect **5,300** distribution overhead circuit miles in HFRA | 60% | 77% | 2,295 | 5,300 | Inspect **5,300** distribution overhead circuit miles in HFRA | 63% | 77% | Inspect **5,300** distribution overhead circuit miles in HFRA <br><br> Q2 Target: 2,000 <br> Q3 Target: 5,300 | 60% | 77% | Listing of completed Work Orders |
| Infrared Inspection, Corona Scanning, and High-Definition Imagery of Energized Overhead Transmission Facilities and Equipment | IN-4 | 600 | 900 | Inspect **1,000** transmission overhead circuit miles in HFRA | 72% | 81% | 600 | 900 | Inspect 1,000 transmission overhead circuit miles in HFRA | 50% | 80% | Inspect 1,000 transmission overhead circuit miles in HFRA <br><br> Q2 Target: 600 <br> Q3 Target: 900 | 59% | 81% | Listing of completed Work Orders |
| Generation High Fire Risk-Informed Inspections and Remediation | IN-5 | 55 | 170 | Inspect **170** generation related assets in HFRA <br> SCE will strive to inspect **200** generation related assets in HFRA, | 17% | N/A | 52 | 160 | Inspect **160** generation related assets in HFRA <br> SCE will strive to inspect **190** generation related assets in HFRA, subject to | 29% | N/A | Inspect **170** generation related assets in HFRA <br> SCE will strive to inspect **200** generation related assets in HFRA, subject to resource | 14% | N/A | Listing of completed Work Orders |

| Initiative Activity | Tracking ID | Target End of Q2 2023 & Unit | Target End of Q3 2023 & Unit | End of Year Target 2023 & Unit | x% Risk Impact 2023 | % in SRA/HC 2023 | Target End of Q2 2024 & Unit | Target End of Q3 2024 & Unit | End of Year Target 2024 & Unit | x% Risk Impact 2024 | % in SRA/HC 2023 | Target 2025 & Unit | x% Risk Impact 2025 | % in SRA/ HC 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| s in HFRA | | | | subject to resource constraints and other execution risks | | | | | resource constraints and other execution risks | | | constraints and other execution risks<br>Q2 Target: 55<br>Q3 Target: 170 | | | |
| Inspection and Maintenance Tools | IN-8 | Develop use cases to use in build of proof of concept (POC) to prove out design direction | Develop POC of key design elements to validate design direction | Complete detailed design to migrate the distribution ground inspection application to the single digital platform | N/A | N/A | Conduct requirements gathering for incorporating distribution ground and InspectCam capabilities in single digital platform | Initiate solution analysis for incorporating distribution ground and InspectCam capabilities in single digital platform | Execute the approved designs / recommendations for incorporating distribution ground and InspectCam capabilities into single digital platform | N/A | N/A | Monitor utilization of inspection work management tool, and make enhancements as necessary<br><br>Q2 & Q3 targets the same as year-end target | N/A | N/A | Completed user acceptance testing, screenshots of tool enhancements |
| Transmission Conductor & Splice Assessment: Spans with LineVue | IN-9a | 30 | 45 | Will inspect **50** spans with Line Vue<br><br>SCE will strive to inspect up to **75** spans with Line Vue, subject to resource constraints and other execution risks | 0.0012% | 100% | N/A | N/A | Target to be developed based on an engineering analysis to be performed in 2023 | N/A | N/A | ~~Target to be developed based on an engineering analysis to be performed in 2023 and 2024~~<br>N/A | N/A | N/A | ~~Listing of completed Work Orders~~<br>N/A |
| Transmission Conductor & Splice Assessment: | IN-9b | 30 | 45 | Will inspect **50** splices with X-Ray<br><br>SCE will strive to inspect up to **75** | .03% | 100% | N/A | N/A | Target to be developed based on a engineering analysis to be performed in 2023 | N/A | N/A | Target to be developed based on an engineering analysis to be performed in 2023 | N/A | N/A | Listing of completed Work Orders |

SCE has continued to install CC per the previous filing, and is targeting 1,100, 1,050 and 500 ~~700~~ miles in years 2023, 2024 and 2025, respectively. SCE will strive to install 1,200 miles in years 2023 and 2024 and 600 ~~850~~ miles in 2025.

**Impact of activity on wildfire risk:** Installation of covered conductor and other associated components such as fire-resistant poles, composite crossarms, FR3 transformers, wildlife covers, and vibration dampers serve as preventative measures against several wildfire risks. It is effective at reducing the ignition drivers associated with contact-from-object (CFO) such as animal or vegetation contact and wire-to-wire faults. It is also effective at reducing ignition drivers associated with equipment or facility failures. In the case of an energized downed wire, covered conductor reduces the area of exposed base wire, thus reducing the likelihood of ignition and serious injury or fatality compared to contact with bare conductor.

SCE has realized significant benefits from covered conductor deployment. On circuits where the overhead primary is all covered conductor, SCE has observed a 71% reduction of faults covered conductor is expected to mitigate compared to bare wire.[144] Zero ignitions have occurred where cover conductor is deployed from drivers covered conductor is expected to mitigate. [145]

Installing FRPs, such as composite poles, helps prevent ignitions at the top of the pole. Also, burned and/or fallen poles can cause other equipment on the pole to fail, making service restoration after a fire more difficult. FRPs can withstand a fire and maintain system resiliency and shorten the service restoration time.

Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire risk.

**Impact of activity on PSPS risk:** Covered conductor reduces PSPS risks by decreasing the likelihood of de-energization due to higher real-time de-energization windspeed thresholds for fully covered isolatable circuit segments.

SCE has determined that lines with covered conductor have a 90% reduction in PSPS activations.[146] When a circuit (or fully isolatable circuit segment) is all covered conductor, the de-energization threshold is increased to 40/58 mph (sustained wind/gusts).

Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts PSPS risk.

**Updates to the activity:** In 2022, SCE updated its covered conductor standard to include the replacement of open wire secondary or weather-resistant aluminum (OWS or WAL) with multiplex secondary conductors. Weather-resistant aluminum wire on the secondary system is outdated technology and will be updated to the new standard when WCCP is installed.

All OWS and WAL secondary lines that share the same line path or are attached to the same targeted primary structure shall be upgraded to multiplex conductors (see Figure SCE 8-02 below). Multiplex conductors are fully insulated secondary conductors that can help mitigate contact-related faults and

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[144] Measurement of CC effectiveness began in 2018.
[145] As of year-end 2022.
[146] Based on PSPS control thresholds for bare and CC circuit using weather data from 2011 to 2021.

*Table 8-14 - Vegetation Management Initiative Targets by Year*

| Initiative Activity | Tracking ID | 2023 Target & Unit | x% Risk Impact 2023 | % in SRA/HCA 2023 | 2024 Target & Unit | x% Risk Impact 2024 | % in SRA/HCA 2024 | 2025 Target & Unit | x% Risk Impact 2025 | % in SRA/HCA 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Expanded Clearances for Generation Legacy Facilities | VM-3 | Perform vegetation treatment and maintenance to **50** sites<br><br>SCE will strive to perform vegetation treatment and maintenance to **60** sites | 23% | N/A | Perform vegetation treatment and maintenance to **50** sites<br><br>SCE will strive to perform vegetation treatment and maintenance to **60** sites | 23% | N/A | Perform vegetation treatment and maintenance to **48 60** sites<br><br>SCE will strive to perform vegetation treatment and maintenance to **56 70** sites | ~~21%~~ 25% | N/A | Listing of all completed work orders |
| Vegetation Management Work Management Tool (Arbora) | VM-6 | Enable supplemental Vegetation Management (emergent work) tree maintenance program capabilities in Arbora by end of year | N/A | N/A | Monitor stabilization of Arbora and develop plan and begin execution of plan to enable additional VM maintenance programs | N/A | N/A | Monitor stabilization of Arbora and continue execution of plan to enable additional VM maintenance programs | N/A | N/A | System evidence of the capability to assign non-routine work activity in work management tool |

*To inform trimming prescriptions in the January to December calendar year, with inspections occurring as early as November 1 in the prior year.

*Table 8-15 - Vegetation Inspections Targets*

| Initiative Activity | Tracking ID | Target End of Q2 2023 & Unit | Target End of Q3 2023 & Unit | End of Year Target 2023 & Unit | x% Risk Impact 2023 | % in SRA/HCA 2023 | Target End of Q2 2024 & Unit | Target End of Q3 2024 & Unit | End of Year Target 2024 & Unit | x% Risk Impact 2024 | % in SRA/HCA 2024 | Target 2025 & Unit | x% Risk Impact 2025 | % in SRA/HCA 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hazard Tree Management Program (HTMP) | VM-1 | 260 | 350 | Inspect **412** grids/circuits and prescribe mitigation for hazardous trees with strike potential within those grids in SCE's HFRA | 83% | 88% | 250 | 358 | Inspect **408** grids/ circuits and prescribe mitigation for hazardous trees with strike potential within those grids in SCE's HFRA * (see insertion text above) | 70% | 88% | Inspect **440** grids/circuits and prescribe mitigation for hazardous trees with strike potential within those grids in SCE's HFRA* (see insertion text above) <br> Q2 Target: 233 <br> Q3 Target: 356 <br> Note: 2025 schedule will be developed at the circuit /span level, subject to change | 63% | 70% | Tracking of year-to-date completed grids/circuits for inspection and mitigation |
| Structure Brushing | VM-2 | 29,870 | 63,700 | Inspect and clear (where clearance is needed) **63,700** structures,* with the exception of structures for which there are customer access or environmental constraints <br><br> 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 <br><br> * These structures are in addition to poles subject to PRC 4292 | 62% | 84% | 29,870 | 63,700 | Inspect and clear (where clearance is needed) **63,700** structures,* with the exception of structures for which there are customer access or environmental constraints <br><br> 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 <br><br> * These structures are in addition to poles subject to PRC 4292 | 62% | 84% | Inspect and clear (where clearance is needed) **63,700** structures,* with the exception of structures for which there are customer access or environmental constraints <br><br> Q2 Target: 26,180 <br><br> Q3 Target: 33,830 <br><br> 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 <br><br> * These structures are in addition to poles subject to PRC 4292 | 62% | 84% | Listing of work orders attempted, inspected and/or completed in calendar year |
| Dead & Dying Tree Removal | VM-4 | 298 | 433 | Inspect **509** grids/circuits and prescribe mitigation for | 100% | 85% | 281 | 424 | Inspect **485** grids/ circuits and prescribe mitigation for dead and dying trees | 100% | 85% | Inspect **536** grids/circuits and prescribe mitigation for dead and dying trees with strike potential | 100% | 77% | Tracking of year-to-date completed grids/circuits |

| Initiative Activity | Tracking ID | Target End of Q2 2023 & Unit | Target End of Q3 2023 & Unit | End of Year Target 2023 & Unit | x% Risk Impact 2023 | % in SRA/HCA 2023 | Target End of Q2 2024 & Unit | Target End of Q3 2024 & Unit | End of Year Target 2024 & Unit | x% Risk Impact 2024 | % in SRA/HCA 2024 | Target 2025 & Unit | x% Risk Impact 2025 | % in SRA/HCA 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | dead and dying trees with strike potential within those grids/circuits | | | | | with strike potential within those grids/ circuits*<br><br>(see insertion text above | | | within those grids/circuits* (see insertion text above)<br>Q2 Target: 311; Q3 Target: 422<br>Note: 2025 schedule will be developed at the circuit /span level, subject to change | | | for inspection and mitigation |
| Detailed Inspections for the Prescription, Where Necessary and Feasible, of Expanded Vegetation Clearances from Distribution Lines in HFRA | VM-7 | 308 | 539 | Inspect **770** grids within our distribution system*<br><br>(see insertion above) | 100% | 75% | 308 | 539 | Inspect **770** grids within our distribution system*<br><br>(see insertion text above) | 100% | 75% | Inspect **770** grids/circuits within our distribution system*<br><br>Q2 Target: 308<br>Q3 Target: 539<br>Note: 2025 schedule will be developed at the circuit /span level, subject to change<br><br>(see insertion text above) | 100% | 75% | Listing of all completed work orders |
| Detailed Inspections for the Prescription, Where Necessary and Feasible, of Expanded Vegetation Clearances from Transmission Lines in HFRA | VM-8 | 273 | 378 | Inspect **416** circuits within our transmission system*<br><br><br>(see insertion text above | 100% | 75% | 273 | 378 | Inspect **416** circuits within our transmission system *<br><br>(see insertion text above) | 100% | 75% | Inspect **416** circuits within our transmission system*<br><br>Q2 Target: 273<br>Q3 Target: 378<br>Note: 2025 schedule will be developed at the circuit /span level, subject to change<br><br>(see insertion text above) | 100% | 75% | Listing of all completed work orders |
| LiDAR Distribution Vegetation Inspections | VM-9 | 650 | 1,020 | Inspect at least **1,020** HFRA circuit miles<br><br>*Subject to change based on technology, program adjustments, and grid/circuits layout | 7% | 78% | 650 | 1,020 | Inspect at least **1,020** HFRA circuit miles<br><br>*Subject to change based on technology, program adjustments, and grid/circuits layout | N/A | N/A | Inspect at least **1,020** HFRA circuit miles<br>Q2 Target: 500<br>Q3 Target: 1,020<br>*Subject to change based on technology, program adjustments, and grid/circuits layout. Targets for 2025 for HFRA LiDAR miles assume continuation of support of ground inspections and do not reflect SCE's planned transition to remote sensing for | N/A | N/A | Listing of all completed work orders |

| Initiative Activity | Tracking ID | Target End of Q2 2023 & Unit | Target End of Q3 2023 & Unit | End of Year Target 2023 & Unit | x% Risk Impact 2023 | % in SRA/HCA 2023 | Target End of Q2 2024 & Unit | Target End of Q3 2024 & Unit | End of Year Target 2024 & Unit | x% Risk Impact 2024 | % in SRA/HCA 2024 | Target 2025 & Unit | x% Risk Impact 2025 | % in SRA/HCA 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | inspections | | | |
| LiDAR Transmission Vegetation Inspections | VM-10 | 1,180 | 1,620 | Inspect at least **1,820** HFRA circuit miles<br><br>*Subject to change based on program adjustments and evolution of remote sensing technologies | 25% | 89% | 973 | 1,335 | Inspect at least **1,500** HFRA circuit miles<br><br>*Subject to change based on program adjustments and evolution of remote sensing technologies | N/A | N/A | Inspect at least **1,750** HFRA circuit miles<br><br>Q2 Target: 1,423<br>Q3 Target: 1,692<br>*Subject to change based on technology, program adjustments, and grid/ circuits layout. Targets for 2025 for HFRA LiDAR miles assume continuation of support of ground inspections and do not reflect SCE's planned transition to remote sensing for inspections | N/A | N/A | Listing of all completed work orders |

*Table 9-5 - PSPS Targets*

| Initiative Activity | Tracking ID | 2023 Target & Unit | x% Risk Impact 2023 | 2024 Target & Unit | x% Risk Impact 2024 | 2025 Target & Unit | x% Risk Impact 2025 | Method of Verification |
|---|---|---|---|---|---|---|---|---|
| Covered Conductor | SH-1 | Install **1,100** circuit miles of covered conductor in SCE's HFRA<br><br>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 | See risk impact in Table 8-3 | Install **1,050** circuit miles of covered conductor in SCE's HFRA<br><br>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 | See risk impact in Table 8-3 | Install **500 ~~700~~** circuit miles of covered conductor in SCE's HFRA<br><br>SCE will strive to install up to as many as **600 ~~850~~** circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks | See risk impact in Table 8-3 | Completed work orders |
| Remote Controlled Automatic Reclosers Setting Update | SH-5 | SCE will install **6** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis and subject to change<br><br>SCE will strive to install **17** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis, resource constraints and other execution risks | See risk impact in Table 8-3 | SCE will install **5** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis and subject to change<br><br>SCE will strive to install **17** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis, resource constraints and other execution risks | See risk impact in Table 8-3 | SCE will install **5** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis and subject to change<br><br>SCE will strive to install **17** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis, resource constraints and other execution risks | See risk impact in Table 8-3 | Completed work orders |
| Weather Stations | SA-1 | Install **85** weather stations in SCE's HFRA<br><br>SCE will strive to install up to **95** weather stations in SCE's HFRA, subject to resource and execution constraints | See risk impact in Table 8-23 | Install **50** weather stations in SCE's HFRA<br><br>SCE will strive to install up to **55** weather stations in SCE's HFRA, subject to resource and execution constraints | See risk impact in Table 8-23 | Install **15** weather stations in SCE's HFRA<br><br>SCE will strive to install up to **20** weather stations in SCE's HFRA, subject to resource and execution constraints | See risk impact in Table 8-23 | List and location of installed weather stations |
| Weather & Fuels Modeling | SA-3 | Equip **500** weather station locations with machine learning capabilities<br><br>SCE will strive to equip up to **600** weather station locations with machine learning capabilities, subject to resource and execution constraints | See risk impact in Table 8-23 | Equip **200** weather station locations with machine learning capabilities<br><br>SCE will strive to equip up to **300** weather station locations with machine learning capabilities, subject to resource and execution | See risk impact in Table 8-23 | Implement machine learning at remaining weather station locations that meet eligible criteria, and for additional variables deemed necessary to improve PSPS planning | See risk impact in Table 8-23 | List and location of weather stations equipped with machine learning capabilities |