

(U 338-E)

Southern California Edison Q3 2021 Quarterly Data Report

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I. INTRODUCTION

Pursuant to Resolution WSD-011, Attachment 3, as modified by the February 16, 2021 Compliance Operational Protocols (Compliance Protocols), and the Office of Energy Infrastructure Safety's (OEIS or Energy Safety) Final Action Statement on SCE's 2021 Wildfire Mitigation Plan (WMP) Update, this Quarterly Data Report (QDR) includes Southern California Edison Company's (SCE) (1) non-spatial data, in Excel, pursuant to the non-spatial Tables 1-12 template; and (2) a description of the data included in the non-spatial Tables 1-12.

SCE includes the non-spatial data, in Excel and in pdf in Appendix A, pursuant to Resolution WSD-011, Attachment 2.3 within Tables 1-12. New data is being provided for recorded Q3 2021, where applicable. SCE also includes corrections to data errors that have been identified through further quality review of calculations and data. Annual forecasts are not changing except where data errors are being corrected and to maintain alignment of Table 12 with SCE's Change Order Report. All new and corrected data are displayed in red font. SCE is also including a pdf version of these tables in Appendix A of this QDR. Section II of this QDR includes a description of the data included in these tables. Subsequent QDRs not submitted concurrently with an annual WMP submission will continue to include the pdf version and description of the data for these tables. The non-spatial data in this QDR submission is still undergoing review. If there are material updates, SCE will provide them in subsequent QDR submittals or earlier, as applicable.

¹ SCE will provide the GIS Data Schema and a description of the data included in the geospatial database in a subsequent submission as communicated to OEIS

II. NON-SPATIAL DATA TABLES 1-12

Introduction:

SCE's approach to updating Tables 1-12 of the non-spatial data requirements for this QDR includes 1) updating tables that require quarterly updates and not updating tables that require annual data, unless required to maintain alignment with SCE's Change Order Report (see Table 12), and 2) corrections to data errors that have been identified through discovery and further quality review of calculations and data.

Table 1: Recent Performance on Progress Metrics

Table 1 provides a six-year history (2015-2020), where applicable, of Progress Metrics as defined by the 2021 WMP Guidelines and recorded data through Q3 2021. Updates to current and previous findings are in red font. The comment section for each metric in the table provides details of the source and data that was used or explanations for why certain data changed or is not available.

Metric Type 1 asks for inspection counts for different inspection category types for transmission and distribution in circuit miles. SCE accounts for completed inspections by noting the counts of assets inspected instead of noting by circuit miles. In order to present completed inspections in the requested format, SCE uses a calculated average span length multiplied by the number of structures inspected. Additionally, rows were added to inspection types (1c, ii-iv) in order to provide additional detail of inspection data collected as part of SCE's detailed inspection program. The drivers and programmatic inspection changes can be seen in SCE's 2021 WMP Update in Section 7.3.4.9.1 for Distribution and Section 7.3.4.10.1 for Transmission.

Metric Type 2 asks for the number of spans inspected for vegetation compliance. SCE accounts for completed vegetation compliance inspections by circuit miles. In order to present completed vegetation compliance inspections in the requested format, SCE divides the recorded circuit miles inspected by the calculated average span length.

Metric Type 3, customer outreach metrics, requires information not accounted for or maintained by SCE as SCE has no jurisdiction over evacuation orders. SCE diligently requested and followed up with local governments and law enforcement and was only able to obtain information from one county. Even then, the information provided included high-level estimations of evacuation counts estimated by the local government and law enforcement entity for a very limited set of fires. Because of this, SCE is unable to obtain the requested data, analyze it, and report on evacuation related requirements in this table. SCE anticipates this to be a recurring challenge going forward.

See Table 1 "Recent performance on progress metrics" for more detail.

Table 2: Recent Performance on Outcome Metrics

Table 2 provides a six-year history as well as recorded data through Q3 2021, where applicable, of Outcome Metrics as defined by the 2021 WMP Guidelines. Updates to current and previous findings are in red font. Comments are included in the table to provide additional details about the data provided or indicate if the data was corrected or is not available or not applicable for the past six years or through Q3 2021. The information provided in conjunction with the "utility-ignited" wildfire statistics should not be construed as an admission of any wrongdoing or liability by SCE. SCE further

notes that to the extent the damages metrics were obtained from other agencies, SCE does not guarantee the accuracy of such information. Additionally, in many instances, the cause of wildfires is still under investigation and even where an Authority Having Jurisdiction (AHJ) has issued a report on the cause, SCE may dispute the conclusions of such a report.

See Table 2 "Recent performance on outcome metrics" for more detail.

Table 3: List and Description of Additional Metrics

Metrics and underlying data are critical components for WMP development, execution, and evaluation, but we continue to emphasize that the near-term focus should be on efficient implementation of our planned activities, while the assessment of whether the activities are having the desired and expected impact on risk reduction should be measured over a longer time horizon. A clear distinction is necessary between metrics that can help monitor compliance with approved WMPs and those that can help evaluate effectiveness of these approved plans and inform future WMP updates.

As in 2019 and 2020, we provide annual Program Targets for each WMP activity which establish goals to evaluate compliance. As stated in previous filings and submittals, tracking Program Targets for approved WMPs is the best means of determining progress and assessing WMP compliance in the near term.

In its response to Guidance-5, SCE proposed five outcome-based metrics, to gauge the effectiveness of the portfolio of its wildfire mitigation activities. These outcome-based metrics are:

- 1. CPUC reportable ignitions in HFRA (total and by key drivers including CFO, wire-to-wire contact, tree-caused circuit interruptions, and EFF)
- 2. Faults in HFRA (total and by the key drivers mentioned above)
- 3. Wire-down incidents in HFRA
- 4. Number of impacted customers and average duration of PSPS events
- 5. Timeliness and accuracy of PSPS notifications

SCE proposed these outcome-based metrics because WMP activities are ultimately designed to reduce wildfire ignitions associated with its electrical infrastructure and reduce the impact of PSPS deenergization events to customers. Faults and wire-down events are also key metrics as they are leading indicators of potential ignitions. Importantly, these metrics are within the reasonable control of utilities when appropriately normalized for weather and other exogenous factors. Other metrics such as safety incidents, acres burned or structures destroyed, though important to understand and drive California's fire mitigation efforts, are impacted by events and circumstances largely outside of the utility's control such as climate change, fire suppression efforts and fire response. Therefore, these are not appropriate WMP effectiveness metrics.

Most of SCE's proposed WMP activities are selected to improve these metrics over time, while the remainder are enabling activities to support and supplement those WMP activities. Table SCE-1, updated since the 2021 WMP Update submission, demonstrates how each of SCE's 2021 WMP activities map to the five outcome-based metrics.

Table SCE-1 Activity to Metric Mapping

Activity	Initiative	Ignitions	Faults	Wire Downs	PSPS # Impacted & Average Duration	PSPS Notification Timeliness & Accuracy	Enabling
SA-1	Weather Stations				X	X	
SA-2	Fire Potential Index (FPI)				X	X	
SA-3	Weather and Fuels Modeling System				X	Х	
SA-4	Fire Spread Modeling				Х	Х	
SA-5	Fuel Sampling Program				X	X	
SA-7	Remote Sensing / Satellite Fuel Moisture				X	X	
SA-8	Fire Science Enhancements				Х	Х	
SA-9	Distribution Fault Anticipation (DFA)	X	Х	X			
SH-1	Covered Conductor	Х	Х	Х	Х		
SH-2	Undergrounding Overhead Conductor	Х	Х	Х	X		
SH-4	Branch Line Protection Strategy	Х		Х			
SH-5	Installation of System Automation Equipment – RAR/RCS				X	X	
SH-6	Circuit Breaker Relay Hardware for Fast Curve	X		X			
SH-7	Circuit Evaluation for PSPS-Driven Grid Hardening Work				x		
SH-8	Transmission Open Phase Detection	X					
SH-10	Tree Attachment Remediation	Х	Х	Х			
SH-11	Legacy Facilities	Χ	Χ	Χ			
SH-12	Microgrid Assessment				X		

Activity	Initiative	Ignitions	Faults	Wire Downs	PSPS # Impacted & Average Duration	PSPS Notification Timeliness & Accuracy	Enabling
SH-13	C-Hooks	Х	Χ	X			
SH-14	Long Span Initiative (LSI)	Х	Х	Х			
SH-15	Vertical Switches	Х	Χ				
IN-1.1	Distribution Ground / Aerial Inspections and remediations	Х	X	Х			
IN-1.2	Transmission Ground / Aerial Inspections and remediations	X	X	Х			
IN-3	Infrared Inspection of energized overhead distribution facilities and equipment	X	X	X			
IN-4	Infrared Inspection, Corona Scanning, and High Definition imagery of energized overhead Transmission facilities and equipment	X	X	X			
IN-5	Generation Inspections and Remediations	Х	X	Х			
IN-8	Inspection Work Management Tools						Х
VM-1	Hazard Tree Management Program	Х	X	Х			
VM-2	Expanded Pole Brushing	Х	Х	Х			
VM-3	Expanded Clearances for Legacy Facilities	Х	X	X			
VM-4	Dead and Dying Tree Removal VM Work	Х	Х	Х			
VM-6	Management Tool						X

Activity	Initiative	Ignitions	Faults	Wire Downs	PSPS # Impacted & Average Duration	PSPS Notification Timeliness & Accuracy	Enabling
	(Arbora)						
	Customer Care						
	Programs						
	(Includes CRCs,						
	CCVs, Battery						
	Backup Programs,						Х
	Well Water and						
	Water Pumping						
	Backup						
PSPS-2	Generation, Resiliency Zones)						
F3F3-2	Wildfire Safety						
	Data Mart and						
	Data						Х
	Management						~
DG-1	(WISDM / Ezy)						
	SCE Emergency						
	Responder						Χ
DEP-2	Training						
	Customer						
	Education and						
	Engagement -						Χ
	Community						
DEP-1.2	Meetings						
	Customer						
	Education and						.,
	Engagement -						Χ
DED 4.3	Marketing						
DEP-1.3	Campaign Customer						
	Research and						Χ
DEP-4	Education						^
DLF-4	Aerial						
DEP-5	Suppression						Χ

Table 3 provides the performance metrics and units SCE uses to evaluate performance within each of these outcome-based metrics, including historical performance over the past six years (2015-2020) as well as recorded data through Q3 2021.

As described in SCE's response to Guidance-5, there might be annual variances in these metrics driven by uncontrollable factors such as weather, and effectiveness of WMP activities can be best assessed using longer-term trends in these outcome-based metrics. It will also be important to consider factors such as overall risk exposure, the population size of the assets, scope of work completed, and fire suppression by third party agencies when using these outcome-based metrics. These metrics cannot be used to measure progress or compliance per approved plans in the short term. To appropriately evaluate the effectiveness of its WMP activities, SCE is developing suitable quantitative and repeatable methods to measure and normalize these outcome-based metrics. We look forward to

collaborating with Energy Safety, utilities, and other stakeholders to agree on how these metrics should be appropriately measured and used to draw pertinent conclusions.

CPUC Reportable Ignitions in HFRA, Faults in HFRA, and Wire Downs incidents in HFRA Large variations in weather events, including temperature, rainfall, fuel moisture and wind, can heavily impact outcome-based metrics including faults, wire-down events and ignitions, and can often skew direct comparisons of these metrics year over year.

SCE is monitoring the number of faults at the circuit level and ignitions and wire-down events at the structure level and by key driver (CFO, EFF, and other) both before and after the deployment of select WMP wildfire activities. By observing the key drivers of these events down to the circuit or individual structure level, SCE is building the capability to better evaluate the effectiveness of wildfire activities that were deployed to mitigate those specific drivers, as well as help align future deployment of mitigations to target specific drivers identified at those locations.

SCE continues to focus on maturing its modeling capabilities to provide forecasts of future ignitions across HFRA, incorporating the benefits of wildfire activities to reduce ignitions as well as normalizing exogenous factors such as weather, to provide an expected range of ignitions in future years across HFRA. In its 2021 WMP Update, SCE incorporated the estimated benefits of wildfire activities, including covered conductor, vegetation mitigation, inspection mitigation, in reducing the POI at each individual pole or structure level, and includes this reduction of ignition risk when forecasting expected ignitions. At this time, SCE does not incorporate weather normalization into its WMP ignition forecasts due to the complexity of determining the causal relationship between aberrant weather and ignition probability and fire spread.

SCE is currently evaluating different approaches to normalize exogenous factors, including but not limited to, weather and 3rd party suppression efforts. As SCE continues to focus on prudent and effective grid operations, inspections & maintenance, improvements to standards and timely equipment upgrades, it is recognized that although these actions will not entirely eliminate risk, they are expected, in aggregate, to result in overall improvements in outcome metrics, such as faults, wiredowns and ignition events associated with SCE's electrical infrastructure.

Number of impacted customers during and average duration of PSPS events

As more sectionalization equipment, covered conductor, and other grid hardening activities are deployed, de-energization thresholds can be raised, reducing the number of circuits and circuit segments that will need to be de-energized during extreme weather conditions. Improved weather and fire modeling capabilities along with enhanced operational protocols can also help reduce the frequency and duration of PSPS events. However, to assess the effectiveness of the WMP activities in reducing the frequency and scope of PSPS de-energizations, the total number of customers affected or the duration of outages during any period need to be normalized for the intensity of weather events, how widespread the weather events were, and the duration of the events as these can influence the number of circuits or circuit segments that have to be de-energized. In addition to weather, these metrics have to account for customer density on impacted circuits and other factors outside SCE's control. SCE is currently evaluating how metrics such as windspeed, FPI, etc., can be used to appropriately normalize the number of impacted customers and duration of PSPS events. The historical performance through Q3 2021 can be found in Table 3.

Timeliness and accuracy of PSPS notifications

SCE provides information on the timeliness and accuracy of PSPS notifications in post-event reports. SCE is re-evaluating the calculation of these metrics and benchmarking with the other IOUs to understand best practices. SCE welcomes Energy Safety's guidance as well.

Table 4: Fatalities Due to Utility Wildfire Mitigation Initiatives

Table 4 provides a six-year history (2015-2020) as well as recorded data through Q3 2021, where applicable, of fatalities associated with utility wildfire mitigation initiatives as defined by the 2021 WMP Guidelines.

See Table 4 "Fatalities due to utility wildfire mitigation initiatives" for more detail.

Table 5: OSHA-Reportable Injuries Due to Utility Wildfire Mitigation Initiatives

Table 5 provides a six-year history (2015-2020) as well as recorded data through Q3 2021, where applicable, of OSHA-reportable injuries associated with utility wildfire mitigation initiatives as defined by the Guidelines. SCE does not use OSHA-reportable contractor and public incidents, as there is no direct employment relationship and no requirement to report to OSHA. However, SCE does monitor CPUC-reportable incidents, which have similar thresholds for identification and reporting (i.e., fatality or personal injury rising to the level of in-patient hospitalization, and in connection with utility assets). To provide a more complete data set, SCE provides data in Table 5 related to the "Contractor" and "Member of the Public" rows that correspond to CPUC-reportable incidents.

See Table 5 "OSHA-reportable injuries due to utility wildfire mitigation initiatives" for more detail.

Table 6: Weather Patterns

Table 6 provides a six-year history (2015-2020) as well as recorded data through Q3 2021, where applicable, of weather patterns as defined by the Guidelines. The comment section for each metric in the table provides details of the source and data that was used or explanations for why certain data is not available.

The first row in Table 6 is populated with historical data on Red Flag Warning (RFW) by circuit mile days per year. The RFW circuit-mile days are based on all overhead distribution and transmission circuits that traverse through the National Weather Service (NWS) Fire Weather Zone (FWZ) from a 2015-2020 historical database of RFW events from the NWS. The overhead lengths of distribution and transmission circuits are calculated within each FWZ polygon (area divided geospatially into over approximately 1,000 space areas). All circuit lengths within that FWZ polygon are then multiplied by the number of days (or fraction of days) that a particular polygon had an RFW in effect.

The 2021 WMP Guidelines require that SCE use RFW circuit mile days per year data to normalize data required in other tables. SCE recommends the Commission consider using the National Fire Danger Rating System (NFDRS), which all fire agencies use to determine daily fire danger risk, instead of RFW data. NFDRS is a system that allows fire managers to estimate today's or tomorrow's fire danger for a given area. It combines existing and expected states of selected fire danger factors into one or more qualitative or numeric indices that reflect an area's protection needs. Fire danger ratings are typically reflective of the general conditions over an extended area, often tens of thousands of acres, where a possible wildfire could start. Fire danger ratings describe conditions that reflect the

potential, over a large area, for a fire to ignite, spread and require suppression action.

See Table 6 "Weather patterns" for more detail.

Table 7.1: Key Recent and Projected Drivers of Risk Events

Table 7.1 provides a six-year history (2015-2020) as well as recorded data through Q3 2021, where applicable, as well as projections through 2022 of key recent and projected drivers of risk events as defined by the 2021 WMP Guidelines. Updates for Q3 and data corrections made to previous quarters can be found in red text font.

The comment section for each metric in the table provides details of the source and data that was used or corrected or explanations for why certain data is not available.

To calculate the recent drivers of risk events, SCE utilized the following data sources:

- SCE's Outage Management System (OMS) and Outage Data and Reliability Metrics (ODRM) interface
- Wire-down data to determine if the conductor failure led to a wire-down event
- Repair work records from SCE's asset data in systems, applications & products (SAP) to identify failures
- CPUC reportable fire data

For purposes of this QDR, transmission lines refer to all lines at or above 65 kV, and distribution lines refer to all lines below 65 kV. Transmission faults and wire-downs are typically on transmission lines 65 kV and above but may include some lower voltages (from an operational perspective, SCE also treats its 55 kV lines as transmission).

To populate wire-down data for each driver, SCE used its wire-down database containing repair orders and OMS. SCE notes that as a result of continuous improvement efforts, it is currently in the process of reviewing prior period transmission wire down data and will provide a retroactive update in its next quarterly submission. This will also result in an update to the total wire down data in Table 2. To populate outage data for each driver, SCE used ODRM outage cause codes. ODRM database records and catalogs outage impacts and causes, determined by the cooperation of field, operations, and engineering employees.

To populate the number of ignitions per year for each driver, SCE used CPUC reportable data filed for 2015 through 2020 and preliminary data for Q1, Q2, and Q3 2021. The CPUC reportable data contains date and time, latitude and longitude, voltage, location, suspected initiating event, and driver and subdriver (e.g., animal contact, balloon contact, and transformer failure) categories. SCE mapped the suspected initiating event to the driver and sub-driver categories for 2015 through Q3 2021.

For forecasts, SCE first created a baseline forecast for wire-down, outages, and ignitions based on timeseries forecasting. Time-series forecasting uses historical patterns to create a forecast and can capture variation over smaller periods compared to other forecasting methods. Then, the baseline forecast was subjected to the same methodologies used for RSEs, whereby SCE estimated the mitigation effectiveness of programs by risk drivers and determined the risk reduction, given the exposure and scope of the program, to incorporate the effects of SCE's various wildfire programs into the forecasts.

See Table 7.1 "Key recent and projected drivers of risk events" for more detail.

Table 7.2: Key Recent and Projected Drivers of Ignition Probability by HFTD Status

 Table 7.2 provides a six-year history (2015-2020), as well as projections through 2022 of key recent and projected drivers of ignitions by HFTD region as defined by the 2021 WMP Guidelines.

The comment section for each metric in the table provides details of the source and data that was used or explanations for why certain data was corrected or is not available.

For purposes of this QDR, transmission lines refer to all lines at or above 65 kV, and distribution lines refer to all lines below 65 kV. Transmission faults and wire-downs are typically on transmission lines 65 kV and above but may include some lower voltages (from an operational perspective, SCE also treats its 55 kV lines as transmission).

To populate the ignitions per year for each driver, SCE used CPUC reportable data filed for 2015 through 2019, and preliminary data for 2020. The CPUC reportable data contains date and time, latitude and longitude, voltage, location, suspected initiating event, and driver and sub-driver (e.g., animal contact, balloon contact, and transformer failure) categories. SCE mapped the suspected initiating event to the driver and sub-driver categories for 2015 through 2020.

For forecasts, SCE first created a baseline forecast for ignitions based on time-series forecasting. Timeseries forecasting uses historic patterns to create a forecast and can capture variation over smaller periods compared to other forecasting methods. Then the baseline forecast was subjected to the same methodologies used for RSEs, whereby SCE estimated the mitigation effectiveness of programs by risk drivers and determined the risk reduction given the exposure and scope of the program to incorporate the effects of SCE's various wildfire programs into the forecasts.

See Table 7.2 "Key recent and projected drivers of ignitions by HFTD region" for more detail.

Table 8: State of Service Territory and Utility Equipment

Table 8 provides a six-year history (2015-2020), where applicable, of state of service area and utility equipment as defined by the 2021 WMP Guidelines.

The comment section for each metric in the table provides details of the source and data that was used or explanations for why certain data was corrected or is not available.

Table 8 lists the current baseline state of SCE's service area in terms of overhead circuit miles for distribution and transmission lines, substations (only in-service, not including third-party owned), and critical facilities. The table also lists the number of customers in WUI zones and by HFRA tier/zone. HFTD Zone 1 cells only reflect portions of SCE's HFRA that are outside of HFTD Tier 2 and Tier 3 areas. Zone 1 areas that are wholly contained within Tier 2 and Tier 3 areas are reflected in those respective tiers. The WUI area delineation is based on a GIS layer published by the University of Wisconsin-Madison.

It is important to note, that GIS models are updated frequently to reflect changes within SCE's service

area and for data clean-up. SCE does not have the ability to analyze and calculate information in previous years. As such, only 2020 information was obtained from GIS. 2015-2018 data is not available and 2019 data is the same as what was provided in SCE's 2020 WMP filing.

SCE does not record all customers that are designated as AFN customers. As such, data provided for the AFN population only includes SCE customers enrolled in MBL and/or Low-Income (i.e., enrolled in the CARE/FERA) programs.

See Table 8 "State of service area and utility equipment" for more detail.

Table 9: Location of Actual and Planned Utility Equipment Additions or Removal Year Over Year

Table 9 provides a six-year history (2015-2020), where applicable, as well as projections through 2022 of location of actual and planned utility equipment additions or removal, year over year, as defined by the 2021 WMP Guidelines. The comment section for each metric in the table provides details of the source and data that was used or explanations for why certain data is not available.

Table 9 provides planned additions, removals, and upgrades of utility equipment by the end of the three-year plan term. SCE does not routinely follow planned additions, removals, or upgrades by circuit mile, population density, or WUI. While SCE has a number of planned distribution projects over the next few years, the projects are not far enough along in the project lifecycle to have a complete list of affected structures (new or existing), circuit path/route geometries, and/or geospatial coordinates associated with them. Therefore, SCE is unable to map the distribution projects in GIS and subdivide as requested. The planned work with a well-developed scope and geospatial properties are typically major, longer lifecycle transmission and substation projects that have detailed engineering and/or a Certificate of Public Convenience and Necessity (CPCN) or Permit To Construct (PTC) from the Commission. Therefore, the only planned work that SCE included here are (1) transmission projects that have known, planned geospatial geometries (circuit path/route) that can be uploaded to GIS tools and then divided by population density, WUI, and HFTD Tier/Zone and (2) known, planned substation projects (of which SCE has one in the next three years, Safari Substation). Additionally, SCE plans to install at least 375 weather stations and will strive for approximately 475 additional weather stations between 2021 and 2022, but actual site/structure locations have not yet been determined and SCE is therefore unable to provide the locational attributes as requested.

The WUI area delineation is based on a GIS layer published by the University of Wisconsin-Madison.

See Table 9 "Location of actual and planned utility equipment additions or removal year over year" for more detail.

Table 10: Location of Actual and Planned Utility Infrastructure Upgrades Year over YearTable 10 provides a six-year history (2015-2020), where applicable, as well as projections through 2022 of location of actual and planned utility infrastructure upgrades year over year as defined by the 2021 WMP Guidelines. The comment section for each metric in the table provides details of the source and data that was used or explanations for why certain data is not available.

Table 10 provides planned additions, removals, and upgrades of utility equipment by the end of the three-year plan term. For the reasons explained in the Table 9 section above, the only planned work

included in Table 10 are transmission and substation projects that have known, planned geospatial geometries.

The WUI area delineation is based on a GIS layer published by the University of Wisconsin-Madison.

See Table 10 "Location of actual and planned utility infrastructure upgrades year over year" for more detail.

Table 11: Recent use of PSPS and other PSPS Metrics

Table 11 provides a six-year history (2015-2020) as well as recorded data through Q3 2021, where applicable, as well as a projection through 2021 of recent use of PSPS and other PSPS metrics as defined by the 2021 WMP Guidelines. As of Q2 2021, SCE is currently unable to provide planned outage data metrics due to recent IT system implementation issues. SCE is actively investigating this issue and will provide the data when it is available. This affects rows 2a., 2c., 2d., 2e., and 2f. The comment section for each metric in the table provides details of the source and data that was used or explanations for why certain data was corrected or is not available.

Table 11 represents the frequency, scope, and duration of PSPS events in total. A combination of data from SCE's OMS and data recorded by documentation specialists during actual PSPS events was used for the historical information including data through Q3 2021. For the Q4 2021 time period, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire mitigation activities to create a baseline. To factor in weather variability, which has significant impacts on PSPS events, SCE developed a range around the baseline. The range was based on an 18-year backcast analysis that analyzed how current PSPS triggers would have resulted in PSPS events when applied to historical weather data. The following equation was used to calculate the factor used for the low and high range for PSPS forecast data.

Lower limit factor = $\underbrace{1st\ Quartile\ for\ days\ of\ interuption\ from\ the\ 18\ year\ backcast}_{Average\ days\ of\ interuption\ from\ the\ 18\ year\ backcast}$ Higher limit factor = $\underbrace{3rd\ Quartile\ for\ days\ of\ interuption\ from\ the\ 18\ year\ backcast}_{Average\ days\ of\ interuption\ from\ the\ 18\ year\ backcast}$

Please see Table 11 for updates to SCE's use of PSPS protocols and other related metrics.

Table 12: Mitigation Initiative Financials

Table 12 provides 2020 recorded costs and 2021 through 2022 forecasts by initiative.

In this Q3 2021 submission, wildfire activities that are included in the November 1st Change Order Report have been updated for projected costs and or units as applicable. These updates are reflected in red font in Table 12.

III.	APPENDIX A NON-SPATIAL DATA (TABLES 1-12)	

Wildfire Safety Division Attachment 2.3

Wildifire Mitigation Plan Quarterly report - non-spatial data template

Resolution WSD-011 Attachment 2.3

Instructions for use

- 1. Fill out the tan cells (color represented here) starting with the cell below (D17: Utility). The Utility name will populate the Table tabs to follow. Date modified will vary by table.
- 2. Cells will only accept valid entries. For most cells, this is positive numbers
- 3. For each Table tab, after a modification is made, denote the date of the change in cell C4 for each Table tab.
- 4. Some columns have an additional header in row 5 to serve as clarification for several columns. With the exception of projected data, row 5 will be highlighted in blue (color represented here)
- 5. Some required metrics are future projections. For these, row 5, above the projections will be highlighted light green (color represented here)
 In future submissions, report updated projected numbers if / when projections have changed, and report actuals once the quarter / year has passed.
- 6. For data required annually rather than quarterly (see Tables 7.3 10), report for entire year even if part of the year is projected. Once year has passed, update cell with actuals
- 7. Some tables will have additional instructions provided in a **Notes** box located in cells D2 D4 Notes will explain terms, signal where projections are required, and provide other useful information.
- 8. For the initial quarterly submission, utilities are required to submit data on annual metrics for 2015 2020, which should represent the most updated data from the 2020 WMP for years 2015-2019
- * Do not add or manipulate the template for any of the tabs

Update the below table to establish which year, quarter of the WMP cycle this submission this represents.

Utility	Southern California Edison Company
First year of 3-year WMP cycle	2020
Submission year	2021
Submission quarter	Q3
Date Modified	11/1/2021



Utility Table No. Date Modified	Southern California Edison Comp	1 Transmission lines refer to all lines at or above 65kV, and distribution lines refer to all lines below 65kV.																
Table 1: Recent performance on progress m	,-,-							Q1	Q2	Q3	Q4	Q1	Q2	Q3		Q3	Q4	
Metric type 1. Grid condition findings from inspection -	# 1.a.	Progress metric name	2015	2016	2017	2018	2019	2020	2020	2020	2020	2021	2021	2021	2021 2022 2022	2022 2	022 Unit(s)	Comments SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to presen
Distribution lines in HFTD		Number of circuit miles inspected from patrol inspections in HFTD - Distribution lines	9,729	9,734	9,738	9,751	9,814	1,587	6,954	1,250	233	3,783	5,489	1,040			# circuit miles	completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected.
	1.b.	Number of circuit miles inspected from detailed inspections in HFTD - Distribution lines (Total)	1,986	2,425	2,049	2,550	15,215	3,100	4,769	4,749	3,832	3,852	5,461	2,732			# circuit miles	This row is the sum of the four detailed inspection programs below it
																		From 2015-2019, the number represents the completed detailed inspections completed in circuit miles. Starting in 2020, the numbers represent completed compliance-due detailed inspections by circuit miles.
		Overhead Detailed Inspections	1,986	2,425	2,049	1,618	1,906	518	1,352	48	4	653	291	14				SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
																		completed inspections by tracking the counts of assets inspected instead of tracking by circuit times, in order to present
																		inspected. SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
		Enhanced Overhead Inspections	NA	NA	NA	932	9,448	NA	NA	NA	NA	NA	NA	NA				completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures
																		inspected. SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
		High Fire Risk Informed Inspections	NA	NA	NA	NA	NA	154	990	2274	1401	2,984	1,823	316				completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected.
																		SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
		Aerial Inspections	NΔ	NA	NA	NA	3.861	2 427	2 427	2,427	2 427	215	3 347	2 401				completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected. Additionally, for 2020, SCE tracked the completed asset inspected by the year and in order to represent the 2020
							-,	_,	_,	-,	_,		-,	_,				completed asset inspection in circuit mile by quarter, SCE evenly distributed the completed inspections to each of the four quarter.
	1.c.	Number of circuit miles inspected from other inspections (list types of "other" inspections in comments) in HFTD -	***	NA	NA	12.605	5,663	4 202	1 202	1,382	1202 470	2.540	2.402	250			# circuit miles	in 2020.
		Distribution lines (total)	NA	NA	NA	12,605	5,663	1,382	1,382	1,382	1382.478	2,548	2,183	258			# circuit miles	This row is the sum of the two programs below that are considered as "other" For 2020, SCE tracks the completed asset inspected by year and in order to represent the 2020 completed asset inspection by
		Infrared Scan	NA	NA	NA	11,775	4,962	1,112	1,112	1,112	1,112	2,465	1,945	0				quarter, SCE evenly distributed the completed inspections to each of the four quarters in 2020.
																		SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
		Intrusive Pole Inspections	NA	NA	NA	830	701	271	271	271	271	83	238	258				completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected. Additionally, for 2020, SCE tracked the completed asset inspected by year and in order to represent the 2020 completed.
																		asset inspection by quarter, SCE evenly distributed the completed inspections to each of the four quarters in 2020.
	1.d.	Level 1 findings in HFTD for patrol inspections - Distribution lines	0	0	3	1	17	0	18	0	1	5	4	0			# findings	
	1.e. 1.f.	Level 1 findings in HFTD for detailed inspections - Distribution lines Level 1 findings in HFTD for other inspections (list types of "other" inspections in comments) - Distribution lines	2,163 246	3,146 773	3,114 325	2,834 167	4,144 617	797 91	115	706 306	261	778 90	632 43	576 41			# findings # findings	
	1.g. 1.h.	Level 2 findings in HFTD for patrol inspections - Distribution lines Level 2 findings in HFTD for detailed inspections - Distribution lines	6,392 7,297	5,124 7,751	3,781 5,841	3,730 16.646	6,498 71,791	1,028 9.890	1,513 9.045	1,227 5,647	1,054 3,807	1,509 9.174	977 13.665	851 4,250			# findings # findings	
	1.i.	Level 2 findings in HFTD for other inspections (list types of "other" inspections in comments) - Distribution lines	4,448	4,167	3,934	3,348	5,304	1,463	1,737	534	1,924	1,166	636	491			# findings	
	1.j. 1.k.	Level 3 findings in HFTD for patrol inspections - Distribution lines Level 3 findings in HFTD for detailed inspections - Distribution lines	43 14.301	10 18.081	33 12.647	51 13,725	228 108.873	117 8.982	6 9.381	0 9.536	2 824	26 13.987	13 8.690	28 1.877			# findings # findings	
	1.l.	Level 3 findings in HFTD for other inspections (list types of "other" inspections in comments) - Distribution lines	256	142	206	214	1,563	1,267	1,136		298	471	223	126			# findings	
 Grid condition findings from inspection - Distribution lines total 	1.a.ii.	Number of total circuit miles inspected from patrol inspections - Distribution lines	39,125	39,139	39,129	39,193	39,464	1,011	23,406	10,641	2,691	5,336	10,004	13,208	3		# circuit miles	SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures
	41.0																	inspected.
	1.b.ii.	Number of total circuit miles inspected from detailed inspections - Distribution lines (Total)	8,347	8,200	8,007	8,813	21,245	3,378	5,605	6,442	6,935	4,243	6,599	5,073			# circuit miles	This row is the sum of the four detailed inspection programs below it. A correction as made to Q1 value as it incorrectly summed rows 28-31.
																		From 2015-2019, the number represents the completed detailed inspections completed in circuit miles. Starting in 2020, the numbers represent completed compliance-due detailed inspections by circuit miles.
		Overhead Detailed Inspections	8.347	8.200	8.007	7.881	7.936	796	2.188	1.740	3.107	839	1.297	2.264				
		Overrida detailed inspections	0,547	0,200	0,007	7,001	7,550	730	2,100	2,740	3,107	033	1,23,	2,204				SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures
																		inspected.
		Enhanced Overhead Inspections	NA	NA	NA	932	9,448	NA	NA	NA	NA	NA	NA	NA				SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures
																		inspected. SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
		High fire Risk Informed Inspections	NA	NA	NA	NA	NA	154	990	2274	1401	3,188	1,954	408				completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures
																		inspected. SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
																		completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures
		Aerial Inspections	NA	NA	NA	NA	3,861	2,427	2,427	2,427	2,427	215	3,347	2,401				inspected. Additionally, for 2020, SCE tracked the completed asset inspected by the year and in order to represent the 2020 completed asset inspection in circuit mile by quarter, SCE evenly distributed the completed inspections to each of the four quarters
	1.c.ii.	Number of total circuit miles inspected from other inspections (list types of "other" inspections in comments) -																in 2020.
	1.C.II.	Distribution lines	4,320	4,509	4,093	29,902	8,887	2,106	2,106	2,106	2,106	3,458	2,986	1,092			# circuit miles	This row is the sum of the two programs below that are considered as "other"
		Infrared Scan	NA	NA	NA	26,055	4,962	1,112	1,112	1,112	1,112	2,465	1,945	0				For 2020, SCE tracks the completed asset inspected by the year and in order to represent the 2020 completed asset inspection by quarter, SCE just evenly distributed the completed inspections to each of the four quarters in 2020.
83237																		SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
		Intrusive Pole Inspections	4,320	4,509	4,093	3,847	3,925	995	995	995	995	993	1,041	1,092				completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures
																		inspected. Additionally, for 2020, SCE tracked the completed asset inspected by the year and in order to represent the 2020 completed asset inspection by quarter, SCE just evenly distributed the completed inspections to each of the four quarters in 2020.
	1.d.ii.	Level 1 findings for patrol inspections - Distribution lines	5	2	4	10	28	0	76	3	19	19	13	1			# findings	
	1.e.ii. 1.f.ii.	Level 1 findings for detailed inspections - Distribution lines Level 1 findings for other inspections (list types of "other" inspections in comments) - Distribution lines	17,812 1,742	19,726 2.636	21,832 1,762		21,320 2,680		4,923 596	6,308 682	5,039 576	4,918 370	4,578 301	4,921 264			# findings # findings	
	1.g.ii.	Level 2 findings for patrol inspections - Distribution lines	26,406	17,649	15,545	30,305	40,771	8,457	4,779	4,808	3,665	4,551	4,358	3,385			# findings	
	1.h.ii. 1.i.ii.	Level 2 findings for detailed inspections - Distribution lines Level 2 findings for other inspections (list types of "other" inspections in comments) - Distribution lines	51,016 14.687	48,323 13.466	41,641 12.071	39,640 12.873	83,237 26,158			13,300 4,403				27,971 1,711			# findings # findings	
	1.j.ii.	Level 3 findings for patrol inspections - Distribution lines Level 3 findings for detailed inspections - Distribution lines	328	64	128	7,790	35,237	142	12	4 18,740	17	26	17	33			# findings	
	1.k.ii. 1.l.ii.	Level 3 findings for detailed inspections - Distribution lines Level 3 findings for other inspections (list types of "other" inspections in comments) - Distribution lines	84,111 1,149	76,240 753	63,267 1,013					1,240				561	,		# findings # findings	
Grid condition findings from inspection - Transmission lines in HFTD	1.a.iii.	Number of circuit miles inspected from patrol inspections in HFTD - Transmission lines	4.438	4.438	4.438	4,438	4.438	1.109	1.109	1.109	1.109	434	890	1.479			# circuit miles	SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures
	4.1.00	Total Maria Control of the Control o	.,.50	., , , , , ,	., .50	., .50	., .50	_,103	_,103	_,103	_,_03			_,			cur miles	inspected.
	1.b.iii.	Number of circuit miles inspected from detailed inspections in HFTD - Transmission lines	NA	NA	NA	1,479	6,629	2,327	2,327	2,327	2,327	1,434	3,249	1,499			# circuit miles	This row is the sum of the three detailed inspection programs below it. An updated historical number for detailed inspections occurred requiring a new summation of the programs below.
																		For 2015-2017, patrol inspections doubled as detailed inspections being completed on every transmission asset in the service territory. Beginning in 2018 the recorded inspection numbers estimate the detail inspections in circuit miles being completed.
																		Additionally, the detailed inspection program completes inspections of 1/3 of all SCE transmission assets per year. The completed
		Detailed Inspections	NA	NA	NA	1,479	1,479	370	370	370	370	311	300	645				inspections are tracked by "Grids". SCE's complete transmission line network is broken out into large areas called "Grids" and all execution and tracking are recorded at the grid level. The number being represented uses 1/3rd of the current transmission circuit
																		mile counts in HFTD for each year. 2020 in particular, evenly distributes the 1/3rd of the current transmission mile circuit counts
																		into each quarter. An error was found in the calculation methodology for the historical years, therefore the outlined methodology was properly applied and the historical numbers were updated.
																		SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
		High Fire Inspections	NA	NA	NA	NA	520	1,089	1,089	1,089	1,089	577	1,439	497				completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected. A correction was made to the Q1 value as it incorrectly included some Q2 inspections.
																		SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
		Aerial Inspections	NA	NA	NA	NA	4,630	868	868	868	868	546	1,509	357				completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected. Additionally, for 2020, SCE tracked the completed asset inspected by the year and in order to represent the 2020
																		completed asset inspection by quarter, just evenly distributed the completed inspections to each of the four quarters in 2020.
	1.c.iii	Number of total circuit miles inspected from other inspections (list types of "other" inspections in comments) -																
		Transmission lines	NA	NA	NA	103	5,003	284	284	284	284	43	121	408				This row is the sum of the two programs below that are considered as "other"
																		For 2020, SCE tracked the completed inspections by the year. In order to represent the 2020 completed inspection by quarter, SCE
		IR Corona	NA	NA	NA	NA	4,901	251	251	251	251	0	73	382				For 2020, SLE tracked the completed inspections by the year. In order to represent the 2020 completed inspection by quarter, SLE evenly distributed the completed inspections to each of the four quarters evenly in 2020.
																		SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present
		Intrusive Pole Inspections	NA	NA	NA	103	102	32	32	32	32	43	49	26				completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected. Additionally, for 2020, SCE tracked the completed asset inspected by the year and in order to represent the 2020
																		completed asset inspection by quarter, SCE just evenly distributed the completed inspections to each of the four quarters in 2020.
	1.d.iii. 1.e.iii.	Level 1 findings in HFTD for patrol inspections - Transmission lines Level 1 findings in HFTD for detailed inspections - Transmission lines	50	82	40	32	108	12	23	54	63	11	18 41	21			# findings # findings	
	1.f.iii.	Level 1 findings in HFTD for other inspections (list types of "other" inspections in comments) - Transmission lines	0	0	0	0	0	6	0	0	0	0	0	1			# findings	

	1.g.iii.	Level 2 findings in HFTD for patrol inspections - Transmission lines	697	855	977	1,215	15,029	1,245	2,522	549	138	319	685	555	# findings	
	1.h.iii.	Level 2 findings in HFTD for detailed inspections - Transmission lines	3	1	2	1	14	609		1,783	961	537		345	# findings	
	1.i.iii.	Level 2 findings in HFTD for other inspections (list types of "other" inspections in comments) - Transmission lines	278	128	408	419	456	15	46	45	85	24	33	28	# findings	
	1.j.iii.	Level 3 findings in HFTD for patrol inspections - Transmission lines	935	735	719	382	2,545	130		166	48	166	259	162	# findings	
	1.k.iii.	Level 3 findings in HFTD for detailed inspections - Transmission lines	0	2	0	4	3	44	309	366	186	207	508	80	# findings	
	1.l.iii.	Level 3 findings in HFTD for other inspections (list types of "other" inspections in comments) - Distribution lines	0	0	0	0	103	3	1	0	3	0	1	0	# findings	
Grid condition findings from inspection - Transmission lines total	1.a.iv.	Number of total circuit miles inspected from patrol inspections - Transmission lines	13,068	13,068	13,068	13,068	13,068	3,267	3,267	3,267	3,267	1,713	1,980	3,036	# circuit miles	For 2015-2017, patrol inspections doubled as detailed inspections being completed on every transmission asset in the service territory. Beginning in 2018, the recorded inspection numbers estimate the patrol type inspections in circuit miles being completed. Additionally, SCE tracks completed inspections by "Grids". SCE's complete transmission line network is broken out into large areas called "Grids" and all execution and tracking are recorded at the grid level. The number being represented uses the current transmission circuit mile counts in HFTD for each year. 2020 in particular, evenly distributes the current transmission mile circuit counts into each quarter.
	1.b.iv.	Number of total circuit miles inspected from detailed inspections - Transmission lines	NA	NA	NA	4,210	6,389	2,697	3,189	3,230	2,984	1,946	3,905	1,921	# circuit miles	This row is the sum of the three detailed inspection programs below it. An updated historical number for detailed inspections occurred requiring a new summation of the programs below.
		Detailed inspections	NA	NA	NA	4,210	4,760	697	1,188	1,229	983	823	956	1,068		For 2015-2017, patrol inspections doubled as detailed inspections being completed on every transmission asset in the service territors, Reginning in 2018 the recorded inspection numbers estimate the detail inspections in crut miles being completed. Additionally, the detailed inspection program completes inspections of 1/3 of all SCE transmission assets per year. The completed inspections are tracked by "Grids". SCE's complete transmission line network is broken out into large areas called "Grids" and all execution and tracking are recorded at the grid level. The number being represented uses 1/3rd of the current transmission circuit mile counts in HFID for each year. 2020 in particular, evenly distributes the 1/3rd of the current transmission mile circuit counts into each quarter.
		High Fire Inspections	NA	NA	NA	NA	520	1,089	1,089	1,089	1,089	577	1,439	497		SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected. A correction was made to the Q1 value as it incorrectly included some Q2 inspections.
		Aerial Inspections	NA	NA	NA	NA	1,109	911	911	911	911	546	1,509	357		SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected. Additionally, for 2020, SCE tracked the completed asset inspected by the year and in order to represent the 2020 completed asset inspection by quarter, just evenly distributed the completed asset inspections to each of the four quarters in 2020.
	1.c.iv.	Number of total circuit miles inspected from other inspections (list types of "other" inspections in comments) - Transmission lines	6,460	4,592	6,226	7,309	5,529	1,594	1,594	1,594	1,594	267	2,066	564	# circuit miles	This row is the sum of the two programs below that are considered as "other"
		IR Corona	0	0	0	0	0	43	43	43	43	0	73	382		For 2020, SCE tracked the completed inspections by the year. In order to represent the 2020 completed inspection by quarter, SCE evenly distributed the completed inspections to each of the four quarters evenly in 2020.
		Intrusive Pole Inspections	6,460	4,592	6,226	7,309	5,529	1,594	1,594	1,594	1,594	267	1,993	182		SCE tracks completed inspections by tracking the counts of assets inspected instead of tracking by circuit miles. In order to present completed inspections in the requested format, SCE used a calculated average span length multiplied by the number of structures inspected. Additionally, for 2020, SCE tracked the completed asset inspected by the year and in order to represent the 2020 completed asset inspection by quarter, SCE just evenly distributed the completed inspections to each of the four quarters in 2020.
	1.d.iv.	Level 1 findings for patrol inspections - Transmission lines	241	252	211	178	304	51	51	106	108	48	65	49	# findings	
	1.e.iv.	Level 1 findings for detailed inspections - Transmission lines	0	1	0	1	0	0	0	1	0	19	42	24	# findings	
	1.f.iv.	Level 1 findings for other inspections (list types of "other" inspections in comments) - Transmission lines	1	2	2	1	1	7	0	1	0	0	0	1	# findings	
	1.g.iv.	Level 2 findings for patrol inspections - Transmission lines	3,912	4,600	5,393	5,871	22,007	2,536	-,	1,200	802	1,486	1,492	1,176	# findings	
	1.h.iv.	Level 2 findings for detailed inspections - Transmission lines	10	8	7	4	37	628			1,072	553	1,259	356	# findings	
	1.i.iv.	Level 2 findings for other inspections (list types of "other" inspections in comments) - Transmission lines	1,428	583	999	1,150	1,003	101		245	375	131	81	113	# findings	
	1.j.iv.	Level 3 findings for patrol inspections - Transmission lines	7,020	3,350	3,060	1,732	5,049	744		475	383	371	508	301	# findings	
	1.k.iv.	Level 3 findings for detailed inspections - Transmission lines	4	2	1	10	3	44		388	210	209	510	83	# findings	
	1.l.iv.	Level 3 findings for other inspections (list types of "other" inspections in comments) - Transmission lines	1	1	4	3	136	3	2	0	3	0	1	0	# findings	
inspection - total	2.a.i	Number of spans inspected where at least some vegetation was found in non-compliant condition - total	NA	NA	NA	NA	2,645	132	568	1,511	924	403	444	550	# of spans inspected with noncompliant clearance based on applicable rules and regulations at the time of inspection	Prior to July 2019, SCE's work management system did not track the reason why a tree was trimmed, just that trimming was required. In other words, a tree may have been trimmed because it was nearing the regulatory clearance distance (RCD) or because it was inside the RCD. Starting in July of 2019, SCE implemented a new work management system that required inspector to document whether the tree was found inside the RCD, or other SCE program distances related to clearance which exceed RCD clearance. The historical numbers were updated as a calculation error was discovered.
·	2.a.ii	Number of spans inspected for vegetation compliance - total	NA	NA	NA	NA	130,934	37,783	58,595	69,975	73,341	67,137	60,876	75,316	# of spans inspected for vegetation compliance	SCE tracks completed vegetation compliance inspections by circuit miles. In order to present completed vegetation compliance inspections in the requested format, SCE divided the recorded circuit miles inspected by the calculated average span length. The historical numbers were updated as a calculation error was discovered.
Vegetation clearance findings from inspection - in HFTD	2.b.i	Number of spans inspected where at least some vegetation was found in non-compliant condition in HFTD	NA	NA	NA	NA	1,446	88	368	835	659	282	324	343	# of spans inspected with noncompliant clearance based on applicable rules and regulations at the time of inspection	SCE tracks findings by count and does not record specific data that associate the findings to a specific span. Therefore SCE is unable to understand how many findings are on each span. The number being presented are just the counts of findings. The historical numbers were updated as a calculation error was discovered.
:	2.b.ii	Number of spans inspected for vegetation compliance in HFTD	NA	NA	NA	NA	69,496	24,536	35,702	35,104	49,555	41,422	39,056	41,354	# of spans inspected for vegetation compliance	SCE tracks completed vegetation compliance inspections by circuit miles. In order to present completed vegetation compliance inspections in the requested format, SCE divided the recorded circuit miles inspected by the calculated average span length. The historical numbers were updated as a calculation error was discovered.
3. Customer outreach metrics	3.a.	# Customers in an evacuation zone for utility-ignited wildfire	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	# customers (if customer was in an evacuation zone for multiple wildfires, count the customer for each relevant wildfire)	SCE has no jurisdiction over evacuation orders. SCE diligently requested and followed up with local governments and law enforcement, and was only able to obtain information from one county. Even then, the information provided included high-level estimations of evacuation counts estimated by the local government and law enforcement entity for a limited amount of fires. Because of this, SCE is unable to obtain the requested data, analyze it, and report on evacuation related requirements in this table. SCE anticipates this to be a recurring challenge going forward.
	3.b.	# Customers notified of evacuation orders	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	# customers (count customer multiple times for each unique wildfire of which they were notified)	SCE has no jurisdiction over evacuation orders. SCE diligently requested and followed up with local governments and law enforcement, and was only able to obtain information from one county. Even then, the information provided included high-level estimations of evacuation counts estimated by the local government and law enforcement entity for a limited amount of fires. Because of this, SCE is unable to obtain the requested data, analyze it, and report on evacuation related requirements in this table. SCE anticipates this to be a recurring challenge going forward.
:	3.c.	% of customers notified of evacuation in evacuation zone of a utility-ignited wildfire	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Percentage of customers notified of evacuation	SCE has no jurisdiction over evacuation orders. SCE diligently requested and followed up with local governments and law enforcement, and was only able to obtain information from one county. Even then, the information provided included high-level estimations of evacuation counts estimated by the local government and law enforcement entity for a limited amount of fires. Because of this, SCE is unable to obtain the requested data, analyze it, and report on evacuation related requirements in this table. SCE anticipates this to be a recurring challenge going forward.

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Utility Table No.	Southern California Edison Comp	any Notes: 2 Transmission lines refer to all lines at or above 65kV, and distribution lines refer to all lines below 65kV.																	
Date Modified	11/1/2	021						01	Q2	O3	04	01	Q2	Q3	Note: These columns are place		QR submissions.		
Table 2: Recent performance on outcome metrics Metric type	#	Outcome metric name	2015	2016	2017	2018	2019	Q1 2020	2020	2020	2020	2021	2021	2021	Q4 Q1 2021 2022	Q2 2022	2022 20		Comments
1. Risk events	1.a.	Number of all events with probability of ignition, including wires down, contacts with objects, line slap, events with evidence of heat generation, and other events that cause sparking or have the potential to cause ignition	12,337	12,406	13,243	14,635	16,794	2,902	3,368	5,077	3,178	3,578	3,652	3,838				Number per year	
	1.b.	Number of wires down (total)	1,532	1,865	1,639	1,217	1,524	391	537	523	593	503	374	342				Number of wires down per year	
	1.c.	Number of outage events not caused by contact with vegetation (total)	11,930	11,833	12,621	14,211	16,260	2,798	3,298	5,051	3,062	3,554	3,191	3,418				Number of outage events per year	
	1.d.	Number of outage events caused by contact with vegetation (total)	407	573	622	424	534	104	70	26	116	95	21	33				Number of outage events per year	
2. Utility inspection findings - Distribution	2.a.	Number of Level 1 findings (distribution - total)	19,559	22,364	23,598	20,998	24,028	4,857	5,595	6,993	5,634	5,307	4,892	5,186				# findings	
	2.b.	Number of Level 2 findings (distribution - total)	92,109	79,438	69,257	82,818	150,166	23,217	24,739	22,511	25,372	21,731	32,378	33,067				# findings	
	2.c.	Number of Level 3 findings (distribution - total)	85,588	77,057	64,408	72,774	189,600	14,381	19,487	19,984	21,075	18,450	18,034	20,534				# findings	
	2.d.	Number of distribution circuit miles inspected	51,792	51,848	51,228	77,908	69,596	6,496	31,118	19,189	11,733	13,037	19,588	19,373				# circuit miles	This total is a summation of all the completed distribution inspection program circuit miles, therefore will be a significantly larger number than the circuit miles of the distribution system.
2. Utility inspection findings - Transmission	2.a.ii	Number of Level 1 findings (transmission - total)	242	255	213	180	305	58	51	108	108	67	107	74				# findings	Transmission in lines for faults and wire downs are typically 65kV and above, but may include some lower voltages (such as 55kV and 33kV).
	2.b.ii	Number of Level 2 findings (transmission - total)	5,350	5,191	6,399	7,025	23,047	3,265	8,278	3,334	2,249	2,170	2,832	1,645				# findings	as some und some y.
	2.c.ii	Number of Level 3 findings (transmission - total)	7,025	3,353	3,065	1,745	5,188	791	1,218	863	596	580	1,019	384				# findings	
	2.d.ii	Number of transmission circuit miles inspected	19,528	17,661	19,295	24,588	24,986	7,558	8,050	8,091	7,845	3,926	7,950	5,521				# circuit miles	This total is a summation of all the completed transmission inspection program circuit miles, therefore will be a
3. Utility ignited wildfire fatalities	3.a.	Fatalities due to utility-ignited wildfire (total)	0	0	2	3	1	0	0	0	0	0	0	0				Number of fatalities per year	significantly larger number than the circuit miles of the transmission system. The information provided in conjunction with the "Utility-ignited" wildite statistics should not be construed as an admission of any wrongdoing or liability by SCE. SCE further notes that the damages metrics provided may be tracked by other agencies and thus, SCE does not guarantee the accuracy of such information. Additionally, in many instances the cause of wildfires are still under investigation and even where an Authority Having Jurisdiction (AHJ) has issued a report on the cause, SCE may dispute the conclusions of such report. Data provided includes wildfires reported in SCE's Fire Incident Data Report, Electric Incident Safety Report and fatalities data from CAL FIRE.
	3.b.	Injuries due to utility-ignited wildfire (total)	0	3	2	3	3	0	0	6	2	0	0	0				Number of injuries per year	Thomas and Woosley CAL FIRE data contributed to the entirety of the 2017 and 2018 values. The information provided in onjoination with the "Utility-injented" wilditer statistics should not be construed as an admission of any wrongolong or liability by SCE. SCE further notes that the damages metrics provided may be tracked by other agencies and thus, SCE does not guarantee the accuracy of such information. Additionally, in many instances the cause of wildfires are still under investigation and even where an Authority Having Jurisdiction [AHV] has issued a report on the cause, SCE may disjusted the conclusions of such report. Data provided includes wildfires reported in SCE's Fire incident Data Report and Electric Incident Safety Report. The information provided in conjunction with the "Utility-ignited" wildfire statistics should not be construed as an
4. Value of assets destroyed by utility-ignited wildfire, listed by asset type	′ 4.a.	Value of assets destroyed by utility-ignited wildfire (total)	\$ 21,944,989 \$	483,632,927 \$	1,601,205,795 \$	3,342,821,539	\$ 21,714,000	\$ 150,400 \$	300,800 \$	120,688,284	\$ 12,082,300	\$ 188,000 \$	451,200 \$	\$ 2,739,090				Dollars of damage or destruction per year	admission of any wrongdoing or liability by SCE. SCE further notes that the damages metrics provided may be tracked by other agencies and thus, SCE does not guarantee the accuracy of such information. Additionally, in many instances the cause of wildfires are still under investigation and even where an Authority Having Jurisdiction (AHJ) has issued a report on the cause, SCE may dispute the conclusions of such report. Asset type listed is either SCE or Third Party. Asset per the WSD guidance is utility electrical equipment or third party property. SCE asset value using a per unit cost based on the identified equipment failure for each CPUC reportable ignition. Data provided includes wildfires reported in SCE's Fire incident Data Report, Electric Incident Safety Report and asset value data from CAL Fife and the Cullionia Department of Insurance. White third party guarce of information was unavailable, SCE applied a prony cost per structure destroyed of SSE 392 Tabased on its methodology used in its RAMP report. The California Department of Insurance and prony cost data use information from insured claims.
5. Structures damaged or destroyed by utility-ignited wildfire	5.a.	Number of structures destroyed by utility-ignited wildfire (total)	45	290	1,072	1,667	26	0	0	47	13	0	0	0				Number of structures destroyed per year	The information provided in conjunction with the "utility-ignited" wildfire statistics should not be construed as an admission of any wrongoing or is ability by SCE SCE further notes that the damages metrics provided may be tracked by other agencies and thus, SCE does not guarantee the accuracy of such information. Additionally, in many instances the cause of wildfires are still under investigation and even where an Authority Having Jurisdiction (AH1) has issued a report on the cause, SCE may dispute the conclusions of such report. Structure is defined as a dwelling, per WSD guidance. Data provided includes wildfires reported in SCE's Fire Incident Data Report and Electric Incident Safety Reports and structures destroyed data from CAL FIRE. The information provided in conjunction with the "utility-ignited" wildfire statistics should not be construed as an
	5.b.	Critical infrastructure damaged/destroyed by utility-ignited wildfire (total)	NA	NA	36	31	NA	NA	NA	NA	NA	NA	NA	NA				Number of critical infrastructure damaged/destroy per year	admission of any wrongdoing or liability by SCE. SCE further notes that the damages metrics provided may be tracked by other agencies and thus, SCE does not guarantee the accuracy of such information. Additionally, in many instances the ed cause of wildfires are still under investigation and even where an Authority Having Jurisdiction (AHI) has issued a report on the cause, SCE may dispute the conclusions of such report. Data was drawn from available subrogation claims. These numbers may be updated as more information becomes available.
6. Acreage burned by utility-ignited wildfire	6.a.	Acreage burned by utility-ignited wildfire (total)	15,711	82,897	292,051	97,240	22,784	4	574	115,871	12,863	12	513	30				Acres burned per year	The information provided in conjunction with the "utility-ignited" wildfire statistics should not be construed as an admission of any wrongsdoing or liability by SEC. SEC further notes that the damages metrics provided may be tracked by other agencies and thus, SEC does not guarantee the accuracy of such information. Additionally, in many instances the cause of wildfires are still under investigation and even where an Authority Having Jurisdiction (AHJ) has issued a report on the cause, SEC may dispute the conclusions of such report. Data provided includes wildfires reported in SEC's Fire Incident Data Report and Electric Incident Safety Reports and
																			acreage burned data from CAL FIRE.
7. Number of utility wildfire ignitions	7.a.	Number of ignitions (total) according to existing ignition data reporting requirement	107	96	105	110	124	16	56	45	32	28	59	45				Number per year	Data are from SCE's CPUC reportable ignitions data set. Historical numbers were updated due to a tabulation error.
	7.b.	Number of ignitions in HFTD (subtotal)	45	41	32	37	35		21	17	9	7	22	9				Number in HFTD per year	
	7.c.	Number of ignitions in HFTD Zone 1	0	0	0	0	0	0	0	0	0	0	0	0				Number in HFTD Zone 1 per year	
	7.c.ii.	Number of ignitions in HFTD Tier 2	13	12	9	15	13	1	5	6	3	1	11	3				Number in HFTD Tier 2 per year	
	7.c.iii.	Number of ignitions in HFTD Tier 3	32	29	23	22	22	2	16	11	6	6	11	6				Number in HFTD Tier 3 per year	
		Number of ignitions in Non-CPUC HFTD	1	0	3	1	3	0	0	0	0	0	0	0				Number in Non-CPUC HFTD	
	7.d.	Number of ignitions in non-HFTD (subtotal)	61	55	70	72	86	13	35	28	23	21	37	36					8 29
 Fatalities resulting from utility wildfire mitigation initiatives 	8.a.	Fatalities due to utility wildfire mitigation activities (total) - "activities" defined as all activities accounted for in the 2020 WMP proposed WMP spend	0	0	0	0	0	1	0	0	0	0	0	0				Number of fatalities per year	By providing this data, SCE is not admitting that 1) any responsibility or liability for any incident reported herein or 2) that a wildfire mitigation activity caused a fatality.
 OSHA-reportable injuries from utility wildfire mitigation initiatives 	9.a.	OSHA-reportable injuries due to utility wildfire mitigation activities (total) - "activities" defined as all activities accounted for in the 2020 WMP proposed WMP spend	0	0	0	0	1	0	1	3	0	0	1	0				Number of OSHA-reportable injuries per year	By providing this data, SCE is not admitting that 1) any responsibility or liability for any incident reported herein or 2) that a wildfire mitigation activity caused an injury.

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Note: These columns are placeholders for future QR submissions.

								Note: Thes	e columns a	are placeh	olders for f	uture QR su	bmissions.			
Table 3: List and descr	iption of additional metrics		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Metric	Definition	Purpose	2020	2020	2020	2020	2021	2021	2021	2021	2022	2022	2022	2022	Unit(s)	Comments
CPUC reportable ignitions in High Fire Risk Areas (HFRA)	Events meeting reportable ignition status per Decision 14-02-015 and falling within BL322, HFTD Zone 1 HFTD Tier 2 and 200 ft. Outer Buffer, and HFTD Tier 3 and 200 ft. Outer Buffer areas	To measure changes in rate of ignitions between years	3	22	16	9	7	22	9						Number of reportable ignitions in HFRA	HFRA includes HFTD Tier 3, HFTD Tier 2, HFTD Zone 1, and BL322 (non-CPUC HFRA)
Faults in HFRA	Events in which electrical current deviates from the anticpated path via SCE facilities within BL322, HFTD Zone 1 HFTD Tier 2 and 200 ft. Outer Buffer, and HFTD Tier 3 and 200 ft. Outer Buffer areas	To measure changes in rate of fault events which are a pre-cursor both ignition and safety events	1011	1147	1436	1132	912	806	866						Number of faults in HFRA	HFRA includes HFTD Tier 3, HFTD Tier 2, HFTD Zone 1, and BI322 (non-CPUC HFRA). Note: SCE is incorporating additional Transmission outage data as an improvement to its outage reporting. Historical reporting has been revised to reflect the additional Transmission outage data.
Wire Down Incidents in HFRA	n .	To measure changes in rate of wire down events which are a pre-cursor both ignition and safety events	72	86	77	85	116	41	54						Number of wire downs per year in HFRA	HFRA includes HFTD Tier 3, HFTD Tier 2, HFTD Zone 1, and BL322 (non-CPUC HFRA)
Number of customers and average duration of Public Safety Power Shutoff (PSPS) events																
Total # of customer de-energized	rs Count of customers de-energized, with duplicates, per year	To measure the scale of impact of outages due to PSPS to customers, with duplicates	Refer to Table 11, # 4.a.						Number of customers	None						
Average duration o de-energization across all customers.	f Average outage duration (hours per customer) experienced by PSPS de-energization per customer de-energized	Of the customers de-energized due to PSPS, to measure the magnitude of the effect of the PSPS de-energization	N/A	N/A	2.2	18.3	23.9	2.9	9.8						Hours	Applies to each instance of a customer being de-energized due to PSPS
Timeliness and accuracy of PSPS notifications																
% of customers notified prior to a PSPS event impacting them	# of customers notified prior to initiation of PSPS event who were impacted by PSPS/ # of customers impacted by PSPS (if multiple PSPS events impact the same customer, count each event as a separate customer)	To measure success rate of notification for the customers who were impacted by de-energization	Refer to Table 11, # 4.e.						Percentage	None						
% of customers notified prior to a PSPS event that did not impact them	% of customers notified of potential de- energization that were not de-energized for that PSPS event (on a total customer basis) 1 - (# of total customers de-energized / # of imminent de-energization notifications sent)	t To measure the occurrence of PSPS notifications and de-energizations	N/A	100%	39%	61%	65%	87%	0%						% of customers notified of imminent potential de-energization that were not de-energized for that PSPS event (on a total customer basis)	This data was not recorded prior to 2020.

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													Note: These	e columns	are placehol	ders for fu	ture QR s	ubmissions	5.		
Table 4: Fatalities due to utility wildfin	re mitigation initiatives							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	1	
Metric type	#	Outcome metric name	2015	2016	2017	2018	2019	2020	2020	2020	2020	2021	2021	2021	2021	2022	2022	2022	202	2 Unit(s)	Comments
1. Fatalities - Full-time Employee	1.a.	Fatalities due to utility inspection - Full-time employee	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	1.b.	Fatalities due to vegetation management - Full-time employee	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	1.c.	Fatalities due to utility fuel management - Full-time employee	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	1.d.	Fatalities due to grid hardening - Full-time employee	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	1.e.	Fatalities due to other - Full-time employee	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
2. Fatalities - Contractor	2.a.	Fatalities due to utility inspection - Contractor	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	2.b.	Fatalities due to vegetation management - Contractor	0	0	0	0	0	1	0	0	0	0	0	0						# fatalities	By providing this data, SCE is not admitting: 1) any responsibility or liability for any incident reported herein or 2) that a wildfire mitigation activity caused a fatality.
	2.c.	Fatalities due to utility fuel management - Contractor	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	2.d.	Fatalities due to grid hardening - Contractor	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	2.e.	Fatalities due to other - Contractor	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
3. Fatalities - Member of public	3.a.	Fatalities due to utility inspection - Public	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	3.b.	Fatalities due to vegetation management - Public	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	3.c.	Fatalities due to utility fuel management - Public	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	3.d.	Fatalities due to grid hardening - Public	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	
	3.e.	Fatalities due to other - Public	0	0	0	0	0	0	0	0	0	0	0	0						# fatalities	

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 Note: These columns are placeholders for future QR submissions.

 Q2
 Q3
 Q4
 Q1
 Q2
 Q3

 2021
 2021
 2021
 2022
 2022
 2022
 Q2 Q3 Q4 Q1 <u>Table 5: OSHA-reportable injuries due to utility wildfire mitigation initiatives</u>

Metric type # Q1 Outcome metric name By providing this data, SCE is not admitting that 1) any responsibility or liability for any incident reported herein or 2) 1. OSHA injuries - Full-time Employee 1.a. OSHA injuries due to utility inspection - Full-time employee 0 # OSHA-reportable injuries that a wildfire mitigation activity caused an injury. OSHA injuries due to vegetation management - Full-time employee OSHA injuries due to utility fuel management - Full-time employee # OSHA-reportable injuries # OSHA-reportable injuries By providing this data, SCE is not admitting that 1) any 1.d. OSHA injuries due to grid hardening - Full-time employee # OSHA-reportable injuries responsibility or liability for any incident reported herein or 2) that a wildfire mitigation activity caused an injury. OSHA injuries due to other - Full-time employee # OSHA-reportable injuries # OSHA-reportable injuries 2. OSHA injuries - Contractor OSHA injuries due to utility inspection - Contractor By providing this data, SCE is not admitting that 1) any 2.b. OSHA injuries due to vegetation management - Contractor # OSHA-reportable injuries responsibility or liability for any incident reported herein or 2) that a wildfire mitigation activity caused an injury. 2.c. OSHA injuries due to utility fuel management - Contractor # OSHA-reportable injuries By providing this data, SCE is not admitting that 1) any 2.d. OSHA injuries due to grid hardening - Contractor # OSHA-reportable injuries responsibility or liability for any incident reported herein or 2) that a wildfire mitigation activity caused an injury. 2.e. OSHA injuries due to other - Contractor # OSHA-reportable injuries 3. OSHA injuries - Member of public 3.a. OSHA injuries due to utility inspection - Public # OSHA-reportable injuries 3.b. OSHA injuries due to vegetation management - Public # OSHA-reportable injuries 3.c. OSHA injuries due to utility fuel management - Public # OSHA-reportable injuries 3.d. OSHA injuries due to grid hardening - Public # OSHA-reportable injuries 3.e. OSHA injuries due to other - Public # OSHA-reportable injuries

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Note: These columns are placeholders for future QR submissions.

Table 6: Weather patterns								01	02	03	Q4	01	Oze. Triese column	Q3	04	Q1	Q2	Q3	04	
Metric type	#	Outcome metric name	2015	2016	2017	2018	2019	2020	2020	2020	2020	2021	2021	2021					2022 Unit(s)	Comments
Red Flag Warning Overhead circuit mile Days	1.a.	Red Flag Warning Overhead circuit mile days - entire utility territory	80,504	286,327	476,404	283,806	201,423	0	24,845	62,241	162,422	58,515	16,825.39	5,764.50)				Sum of overhead circuit miles of utility grid subject to Red Flag Warning ea within a given time period, calculated as the number of overhead circuit were under an RFW multiplied by the number of days those circuit miles under said RFW. For example, if 100 overhead circuit miles were under an 1 day, and 10 of those miles were under RFW for an additional day, then the RFW OH circuit mile days would be 110.	lies that 'territory and ooes not nave the ability to analyze and calculate information in error previous years. As such, the overhead lengths of distribution and transmission circuits are based on 2020 circuit mile information for the calculation of historical years 2015- RFW for 2014. Additionally, this consult number may be slightly different but the 2020 Williams.
	1.b.	Red Flag Warning Overhead circuit mile days - HFTD Zone 1	0.8	8.0	4.1	2.8	1.7	0.0	0.4	1.3	1.7	1	0.32	0.28	3				Red Flag Warning Overhead circuit mile days, see above for definition	GIS systems are used in order to overlay the locational information of each red flag warning. GIS models are updated frequently with changes within SCE's service territroy and does not have the ability to analyze and calculate information in previous years. As such, the overhead lengths of distribution and transmission circuits are based on 2020 circuit mile information for the calculation of historical years 2015-2019. Additionally, this overall number may be slightly different than the 2020 WMP filing due to the use of the 2020 GIS information. Historical information was recalculated as high fire threat district break outs are new requirements in the 2021 WMP.
	1.c.	Red Flag Warning Overhead circuit mile days - HFTD Tier 2	9,214	31,921	50,039	31,295	21,598	0	4,391	10,011	17,964	7,003	3,074.07	2,859.5€	5				Red Flag Warning Overhead circuit mile days, see above for definition	GIS systems are used in order to overlay the locational information of each red flag warning. GIS models are updated frequently with changes within SCE's service territroy and does not have the ability to analyze and calculate information in previous years. As such, the overhead lengths of distribution and transmission circuits are based on 2020 circuit mile information for the calculation of historical years 2015-2019. Additionally, this overall number may be slightly different than the 2020 WMP filing due to the use of the 2020 GIS information. Historical information was recalculated as high fire threat district break outs are new requirements in the 2021 WMP.
	1.d.	Red Flag Warning Overhead circuit mile days - HFTD Tier 3	25,523	88,117	127,005	82,216	57,321	0	4,031	13,920	36,805	17,404	1,214.14	2,029.13	3				Red Flag Warning Overhead circuit mile days, see above for definition	GIS systems are used in order to overlay the locational information of each red flag warning. GIS models are updated frequently with changes within SCE's service territroy and does not have the ability to analyze and calculate information in previous years. As such, the overhead lengths of distribution and transmission circuits are based on 2020 circuit mile information for the calculation of historical years 2015-2019. Additionally, this overall number may be slightly different than the 2020 WMP filing due to the use of the 2020 GIS information. Historical information was recalculated as high fire threat district break outs are new requirements in the 2021 WMP.
	1.e.	Red Flag Warning Overhead circuit mile days - Non-HFTD	45,766	166,281	299,356	170,293	122,502	0	16,423	38,309	107,651	34,108	12,536.87	875.53	3				Red Flag Warning Overhead circuit mile days, see above for definition	GIS systems are used in order to overlay the locational information of each red flag warning. GIS models are updated frequently with changes within SCE's service territroy and does not have the ability to analyze and calculate information in previous years. As such, the overhead lengths of distribution and transmission circuits are based on 2020 circuit mile information for the calculation of historical years 2015-2019. Additionally, this overall number may be slightly different than the 2020 WMP filing due to the use of the 2020 GIS information. Historical information was recalculated as high fire threat district break outs are new requirements in the 2021 WMP.
2. Wind conditions	2.a.	High wind warning overhead circuit mile days	78,965	116,378	144,820	133,880	95,208	61,545	9,235	62	57,072	78,101	10,502.66	(0				as defined by the National Weather Service) each day within a given time is calculated as the number of overhead circuit miles that were under an HM multiplied by the number of days those miles were under said HWW. For if 100 overhead circuit miles were under an HWW for 1 day, and 10 of tho:	GIS systems are used in order to overlay the locational information of each red flag (HWW, warning, GIS models are updated frequently with changes within SCE's service eriod, territroy and does not have the ability to analyze and calculate information in W previous years. As such, the overhead lengths of distribution and transmission circuits xample, are based on 2020 circuit mile information for the calculation of historical years 2015-e miles 2019. Additionally, this overall number may be slightly different than the 2020 WMP ed ays filling due to the use of the 2020 GIS information. Historical information was recalculated as high fire threat district break outs are new requirements in the 2021 WMP.
3. Other	3.a.	Other relevant weather pattern metrics tracked (add additional rows as needed)																		

Utility	Southern California Edison Company Notes:
Table No.	7.1 Transmission lines refer to all lines at or above 65kV, and distribution lines refer to all lines below 65kV. Transmission lines for faults and wire downs are typically 65kV and above, but may include some lower voltages (such as 55kV and 33kV).
Date Modified	11/1/2021 Data from 2015 - 2020 Q2 should be actual numbers. 2020 Q3 - 2023 should be projected. In future submissions update projected numbers with actuals

					Number of	risk events											Projected				
Table 7.1: Key recent and projected										Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Risk Event category Wire down event - Distribution	Cause category 1. Contact from object - Distribution	# 1.a.	Sub-cause category Veg. contact- Distribution	Are risk events tracked for ignition driver? (yes / no) Yes	2015 279	2016 357	384	2018 158	2019 308	2020 86	2020 105	2020 82	2020 151	2021 113	2021 34	2021 37	2021 88	2022 77	2022 72	2022	2022 87
wife down event - Distribution	1. Contact from object - Distribution	1.a.	veg. contact- bistribution	ies	2/3	337	304	136			103		151	113					72		67
		1.b.	Animal contact- Distribution	Yes	74	57	53	48	38	10	19	29	12	11	10	9	14	13	13	13	13
		1.c.	Balloon contact- Distribution	Yes	115	112	115	134	98	22	47	27	12	24	48	21	11	23	41	20	10
		1.d.	Vehicle contact- Distribution	Yes	227	349	248	267	269	76	121	88	98	80	106	99	72	76	69	71	70
		1.e.	Other contact from object - Distribution	Yes	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	2. Equipment / facility failure - Distribution	2.a.	Connector damage or failure- Distribution	Yes	84	106	81	75	68	25	36	38	23	24	14	19	22	21	22	22	22
		2.b.	Splice damage or failure — Distribution	Yes	35	28	24	24	28	3	9	10	7	11	3	5	7	7	7	7	7
		2.c.	Crossarm damage or failure - Distribution	Yes	31	26	26	25	35	10	10	6	9	15	3	3	9	10	10	6	9
		2.d.	Insulator damage or failure- Distribution	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2.e.	Lightning arrestor damage or failure- Distribution	Yes	0	0	3	0	2	0	1	0	0	0	0	1	0	0	0	0	0
		2.f.	Tap damage or failure - Distribution	Yes	0	0	4	5	12	4	3	1	2	5	0	1	2	2	2	2	2
		2.g.	Tie wire damage or failure - Distribution	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2.h.	Other - Distribution	Yes	685	824	667	423	607	144	171	198	238	111	104	89	165	173	170	170	165
			Pole damage or failure - Distribution	Yes	13	12	28	39	37	9	24	20	20	15	18	9	NA	NA	NA	NA	NA
			Pothead damage or failure - Distribution	Yes	0	0	3	8	6	3	2	5	1	1	1	0	NA	NA	NA	NA	NA
			Fuse failure damage or failure - Distribution	Yes	0	0	0	1	2	0	1	2	1	1	0	0	NA	NA	NA	NA	NA
			Guy damage or failure - Distribution	Yes	0	0	1	3	5	1	0	0	0	0	0	1	NA	NA	NA	NA	NA
			Conductor failure damage or failure - Distribution	Yes	0	0	28	44	120	33	51	63	57	56	25	14	NA	NA	NA	NA	NA
			Various other damage or failure - Distribution	Yes	672	812	607	328	437	98	93	108	159	38	60	65	NA	NA	NA	NA	NA
	3. Wire-to-wire contact - Distribution	3.a.	Wire-to-wire contact / contamination- Distribution	Yes	0	0	1	2	1	0	4	2	1	4	0	0	1	1	1	1	1
	4. Contamination - Distribution	4.a.	Contamination - Distribution	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5. Utility work / Operation	5.a.	Utility work / Operation	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6. Vandalism / Theft - Distribution	6.a.	Vandalism / Theft - Distribution	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	7. Other- Distribution	7.a.	All Other- Distribution	Yes	0	0	33	53	54	11	11	41	39	103	52	58	39	39	39	39	39
	8. Unknown- Distribution	8.a.	Unknown - Distribution	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wire down event - Transmission	9. Contact from object - Transmission	9.a.	Veg. contact- Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9.b.	Animal contact- Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9.c.	Balloon contact- Transmission	Yes	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9.d.	Vehicle contact- Transmission	Yes	0	2	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
		9.e.	Other contact from object - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 Facility failure Transpirities	10 -	Consistent de marco de fillero . Transcritorio	V		-				•					0					0	0
	10. Equipment / facility failure - Transmission	10.a.	Connector damage or failure- Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10.b.	Splice damage or failure — Transmission	Yes	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
		10.c.	Crossarm damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10.d.	Insulator damage or failure-Transmission	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10.e.	Lightning arrestor damage or failure- Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10.f.	Tap damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10.g.	Tie wire damage or failure - Transmission	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10.h.	Other - Transmission	Yes	1	3	0	1	1	0	0	0	0	0	0	0	0.35	0.30	0.38	0.35	0.35
			Pole damage or failure - Transmission	Yes	0	1	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
			Pothead damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
			Fuse failure damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
			Guy damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
			Conductor failure damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
			Various other damage or failure - Transmission	Yes	1	2	0	1	1	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
	11. Wire-to-wire contact - Transmission	11.a.	Wire-to-wire contact / contamination- Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12. Contamination - Transmission	12.a.	Contamination - Transmission	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	13. Utility work / Operation	13.a.	Utility work / Operation	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	14. Vandalism / Theft - Transmission	14.a.	Vandalism / Theft - Transmission	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15. Other-Transmission	15.a.	All Other-Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	16. Unknown- Transmission	16.a.	Unknown - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Outage - Distribution	17. Contact from object - Distribution	17.a.	Veg. contact- Distribution	Yes	395	557	609	416	527	104	70	25	112	93	20	33	101	103	32	18	99
		17.b.	Animal contact- Distribution	Yes	655	598	622	648	686	122	201	169	163	78	169	143	153	111	191	141	146
		17.c.	Balloon contact- Distribution	Yes	758	785	911	975	776	178	348	275	191	245	436	248	153	220	307	209	144
		17.d.	Vehicle contact- Distribution	Yes	508	586	528	647	517	116	113	153	132	144	128	147	131	132	130	124	125
		17.e.	Other contact from object - Distribution	Yes	870	393	289	369	449	44	28	35	43	66	75	115	110	107	79	105	110
			Ice/Snow - Distribution	Yes	4	15	19	9	3	0	0	0	0	1	0	0	NA	NA	NA	NA	NA
			Lightning - Distribution	Yes	757	264	167	225	323	20	2	15	27	30	28	79	NA	NA	NA	NA	NA
			Various other contact from object - Distribution	Yes	109	114	103	135	123	24	26	20	16	35	47	36	NA	NA	NA	NA	NA
	18. Equipment / facility failure - Distribution	18.a.	Capacitor bank damage or failure- Distribution	Yes	319	309	425	376	457	128	160	73	44	120	100	126	95	88	94	92	95
		18.b.	Conductor damage or failure — Distribution	Yes	463	594	654	713	1,116	205	143	211	250	276	109	133	146	133	195	149	85
		18.c.	Fuse damage or failure - Distribution	Yes	232	195	245	508	1,245	169	176	316	167	179	132	201	166	168	166	132	166
		18.d.	Lightning arrestor damage or failure- Distribution	Yes	105	127	99	105	216	27	21	26	25	12	21	18	31	31	31	30	31
		18.e.	Switch damage or failure- Distribution	Yes	51	46	45	67	78	17	11	16	18	14	10	18	15	15	15	14	15
		18.f.	Pole damage or failure - Distribution	Yes	98	126	130	207	541	57	36	31	41	32	22	21	41	41	41	38	41
		18.g.	Insulator and brushing damage or failure - Distribution	Yes	42	75	79	123	121	28	14	11	43	30	13	22	31	24	16	15	31
		18.h.	Crossarm damage or failure - Distribution	Yes	127	143	138	354	834	98	45	29	45	39	17	17	74	75	75	60	74
		18.i.	Voltage regulator / booster damage or failure - Distribution	Yes	1	2	1	2	4	0	0	1	1	0	1	2	0	1	0	0	0
		18.j.	Recloser damage or failure - Distribution	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		18.k.	Anchor / guy damage or failure - Distribution	Yes	17	20	18	17	20	3	3	3	4	3	1	3	6	6	4	2	6
		18.l.	Sectionalizer damage or failure - Distribution	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		18.m.	Connection device damage or failure - Distribution	Yes	386	490	406	501	500	123	111	86	97	165	108	68	112	111	112	110	112
		18.n.	Transformer damage or failure - Distribution	Yes	1,889	1,649	1,978	2,594	2,489	416	559	1,894	536	403	547	725	712	671	757	1141	709
		18.0.	Other - Distribution	Yes	96	147	116	173	291	37	40	51	60	50	60	49	59	59	58	57	59
			Pole Top Sub damage or failure - Distribution	Yes					1		1			0	0	0	NA	NA	NA	NA	NA
			Pothead damage or failure - Distribution	Yes	91	143	109	155	128	24	27	27	40	29	33	23	NA	NA	NA	NA	NA

			Tower damage or failure - Distribution	Yes	0	0	0	0	2	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
			Various other damage or failure - Distribution	Yes	5	4	7	18	160	13	12	24	20	21	27	26	NA	NA	NA	NA	NA
	19. Wire-to-wire contact - Distribution	19.a.	Wire-to-wire contact / contamination- Distribution	Yes	46	78	64	41	13	6	5	8	7	3	2	11	7	7	7	6	7
	20. Contamination - Distribution	20.a.	Contamination - Distribution	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	21. Utility work / Operation	21.a.	Utility work / Operation	Yes	149	117	99	94	67	32	15	18	10	14	10	12	16	16	16	16	16
	22. Vandalism / Theft - Distribution	22.a.	Vandalism / Theft - Distribution	Yes	78	80	78	102	103	23	21	21	15	9	16	21	22	22	22	22	22
	23. Other- Distribution	23.a.	All Other- Distribution	Yes	2010	2251	2359	3147	3125	481	586	977	453	375	526	697	615	574	651	959	615
			De-Energize - Distribution	Yes	0	0	0	0	0	0	0	1	0	0	0	0	NA	NA	NA	NA	NA
			Dig In - Distribution	Yes	42	51	57	83	48	10	7	18	13	15	16	16	NA	NA	NA	NA	NA
			Source Lost - Distribution	Yes	5	2	26	49	96	12	14	14	4	15	11	4	NA	NA	NA	NA	NA
			Substation - Distribution	Yes	10	18	30	61	106	16	24	22	18	28	29	14	NA	NA	NA	NA	NA
			Underground Equipment - Distribution	Yes	1,949	2,166	2,234	2,944	2,846	442	531	909	409	317	470	663	NA	NA	NA	NA	NA
			Various other - Distribution	Yes	4	14	12	10	29	1	10	13	9	0	0	0	NA	NA	NA	NA	NA
	24. Unknown- Distribution	24.a.	Unknown - Distribution	Yes	2,142	2,141	2,408	1,741	1,883	364	466	513	558	603	509	483	496	551	530	525	496
Outage - Transmission	25. Contact from object - Transmission	25.a.	Veg. contact- Transmission	Yes	12	16	13	8	7	0	0	1	4	2	1	0	2	3	2	3	2
		25.b.	Animal contact- Transmission	Yes	80	75	67	67	31	7	19	4	8	6	12	10	8	8	6	8	8
		25.c.	Balloon contact- Transmission	Yes	23	39	55	36	24	2	13	5	8	9	14	4	8	8	10	8	8
		25.d.	Vehicle contact- Transmission	Yes	36	37	40	29	18	3	5	5	3	8	6	3	4	4	4	4	4
		25.e.	Other contact from object - Transmission	Yes	75	36	35	18	28	7	4	5	3	1	2	4	8	8	7	8	8
			Ice/Snow - Transmission	Yes		2	2	0	3	0	2	0	0	0	0	0	NA	NA	NA	NA	NA
			Lighting - Transmission	Yes	64	22	28	33	21	4	1	5	2	0	1	4	NA	NA	NA	NA	NA
			Various other contact from object - Transmission	Yes	11	12	5	5	4	3	1	0	1	1	1	0	NA	NA	NA	NA	NA
	26. Equipment / facility failure - Transmission	26.a.	Capacitor bank damage or failure- Transmission	Yes	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		26.b.	Conductor damage or failure — Transmission	Yes	22	15	89	44	36	5	2	13	7	9	3	5	10	10	9	10	10
		26.c.	Fuse damage or failure - Transmission	Yes	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
		26.d.	Lightning arrestor damage or failure- Transmission	Yes	2	5	2	4	1	0	0	1	1	0	0	0	1	1	1	1	1
		26.e.	Switch damage or failure- Transmission	Yes	5	3	4	5	2	3	2	0	0	0	1	0	1	1	1	1	1

	f.	Pole damage or failure - Transmission	Yes	12	12	17	7	14	3	0	1	3	3	8	3	3	3	3	3	3
26.g.	g.	Insulator and brushing damage or failure - Transmission	Yes	10	13	21	4	9	2	3	1	1	0	1	0	3	2	2	3	3
26.h.	h.	Crossarm damage or failure - Transmission	Yes	11	7	7	6	8	2	1	1	0	0	1	0	2	2	2	2	2
	i.	Voltage regulator / booster damage or failure - Transmission	Yes	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	i.	Recloser damage or failure - Transmission	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	k.	Anchor / guy damage or failure - Transmission	Yes	3	8	8	1	4	0	1	2	4	0	1	0	1	1	1	1	1
	l.	Sectionalizer damage or failure - Transmission	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	m.	Connection device damage or failure - Transmission	Yes	1	1	3	1	2	0	0	0	0	0	1	0	0	0	0	0	0
	n.	Transformer damage or failure - Transmission	Yes	0	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
26.0.	0.	Other - Transmission	Yes	14	26	10	19	41	3	8	6	8	10	7	5	6	6	6	6	6
		Pole Tops Sub damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
		Pothead damage or failure - Transmission	Yes	6	4	0	12	5	0	0	1	0	0	0	0	NA	NA	NA	NA	NA
		Tower damage or failure - Transmission	Yes	0	2	1	2	0	1	1	2	0	0	0	0	NA	NA	NA	NA	NA
		Various other - Transmission	Yes	8	20	9	5	36	2	7	3	8	10	7	5	NA	NA	NA	NA	NA
27. Wire-to-wire contact - Transmission 27.a.	а.	Wire-to-wire contact / contamination- Transmission	Yes	14	17	15	19	42	9	10	1	3	1	9	4	5	5	5	5	5
28. Contamination - Transmission 28.a.	a.	Contamination - Transmission	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29. Utility work / Operation 29.a.	а.	Utility work / Operation	Yes	10	15	8	9	8	0	1	1	1	2	2	3	2	2	2	2	2
30. Vandalism / Theft - Transmission 30.a.	а.	Vandalism / Theft - Transmission	Yes	4	7	2	10	2	0	0	1	1	0	0	1	1	1	1	1	1
31. Other- Transmission 31.a.	а.	All Other- Transmission	Yes	194	238	240	242	193	40	67	47	54	47	57	50	54	40	67	47	54
		De-energized - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
		Dig In - Transmission	Yes	1	1	0	2	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
		Source Lost - Transmission	Yes	7	2	21	38	36	5	3	7	7	3	3	4	NA	NA	NA	NA	NA
		Substation - Transmission	Yes	179	221	208	188	146	35	63	39	47	43	53	45	NA	NA	NA	NA	NA
		Underground Equipment	Yes	5	4	7	14	7	0	1	1	0	1	1	1	NA	NA	NA	NA	NA
		Various other - Transmission	Yes	2	10	4	0	4	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
32. Unknown-Transmission 32.a.	a.	Unknown - Transmission	Yes	371	326	306	160	266	38	60	39	54	53	54	46	52	55	50	53	52

Ignition - Distribution	33. Contact from object - Distribution	33.a.	Veg. contact- Distribution	Yes	13	12	16	15	13	0	2	3	2	3	6	7	2	2	3	3	2
		33.b.	Animal contact- Distribution	Yes	9	8	6	12	18	0	8	3	4	2	7	2	5	3	7	5	4
		33.c.	Balloon contact- Distribution	Yes	12	10	18	30	15	0	7	1	2	3	10	4	3	0	9	6	3
		33.d.	Vehicle contact- Distribution	Yes	11	6	6	13	10	0	2	1	0	1	1	5	2	2	3	3	2
		33.e.	Other contact from object - Distribution	Yes	3	6	5	0	6	0	0	3	1	4	4	4	1	1	1	1	1
	34. Equipment / facility failure - Distribution	34.a.	Capacitor bank damage or failure- Distribution	Yes	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		34.b.	Conductor damage or failure — Distribution	Yes	2	19	15	5	11	3	6	8	6	4	12	6	4	3	5	6	3
		34.c.	Fuse damage or failure - Distribution	Yes	1	1	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0
		34.d.	Lightning arrestor damage or failure- Distribution	Yes	2	0	2	0	1	0	2	0	0	1	1	1	0	0	0	0	0
		34.e.	Switch damage or failure- Distribution	Yes	0	0	0	1	2	1	1	1	2	1	1	0	2	1	2	2	2
		34.f.	Pole damage or failure - Distribution	Yes	1	2	1	0	1	0	1	0	2	0	0	0	0	0	0	0	0
		34.g.	Insulator and brushing damage or failure - Distribution	Yes	1	2	2	1	2	3	1	2	1	0	0	1	1	1	1	1	1
		34.h.	Crossarm damage or failure - Distribution	Yes	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
		34.i.	Voltage regulator / booster damage or failure - Distribution	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		34.j.	Recloser damage or failure - Distribution	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		34.k.	Anchor / guy damage or failure - Distribution	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		34.l.	Sectionalizer damage or failure - Distribution	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		34.m.	Connection device damage or failure - Distribution	Yes	4	4	3	1	7	0	0	2	1	1	5	4	1	1	1	1	1
		34.n.	Transformer damage or failure - Distribution	Yes	3	2	2	10	3	1	3	3	3	0	3	4	2	2	2	2	2
		34.0.	Other - Distribution	Yes	6	7	1	7	2	0	2	2	0	1	4	3	1	1	1	1	1
	35. Wire-to-wire contact - Distribution	35.a.	Wire-to-wire contact / contamination- Distribution	Yes	1	1	3	3	8	0	2	2	1	3	1	0	1	0	1	1	1
	36. Contamination - Distribution	36.a.	Contamination - Distribution	Yes	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	37. Utility work / Operation	37.a.	Utility work / Operation	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	38. Vandalism / Theft - Distribution	38.a.	Vandalism / Theft - Distribution	Yes	3	0	0	1	6	2	1	2	1	1	2	1	1	1	1	1	1

	39. Other- Distribution	39.a.	All Other- Distribution	Yes	4	0	1	0	4	1	3	1	2	2	5	2	0	1	1	0	0
	40. Unknown- Distribution	40.a.	Unknown - Distribution	Yes	21	5	12	6	1	0	2	0	1	1	0	0	2	1	2	3	2
Ignition - Transmission	41. Contact from object - Transmission	41.a.	Veg. contact- Transmission	Yes	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		41.b.	Animal contact- Transmission	Yes	3	2	3	0	2	1	1	1	0	0	2	0	0	0	1	0	0
		41.c.	Balloon contact- Transmission	Yes	1	1	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0
		41.d.	Vehicle contact- Transmission	Yes	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
		41.e.	Other contact from object - Transmission	Yes	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	42. Equipment / facility failure - Transmission	42.a.	Capacitor bank damage or failure- Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.b.	Conductor damage or failure — Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.c.	Fuse damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.d.	Lightning arrestor damage or failure- Transmission	Yes	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		42.e.	Switch damage or failure- Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.f.	Pole damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.g.	Insulator and brushing damage or failure - Transmission	Yes	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		42.h.	Crossarm damage or failure - Transmission	Yes	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.i.	Voltage regulator / booster damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.j.	Recloser damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.k.	Anchor / guy damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.l.	Sectionalizer damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.m.	Connection device damage or failure - Transmission	Yes	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
		42.n.	Transformer damage or failure - Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		42.0.	Other - Transmission	Yes	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	43. Wire-to-wire contact - Transmission	43.a.	Wire-to-wire contact / contamination- Transmission	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	44. Contamination - Transmission	44.a.	Contamination - Transmission	Yes	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0

45. Utility wo	ork / Operation	45.a.	Utility work / Operation	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46. Vandalisr	n / Theft - Transmission	46.a.	Vandalism / Theft - Transmission	Yes	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47. Other- Tr	ansmission	47.a.	All Other- Transmission	Yes	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
48. Unknown	n- Transmission	48.a.	Unknown - Transmission	Yes	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Utility Table No.	Southern California Edison Company Notes	i: mission lines refer to all lines at or above 65kV, and distribution lines refer to all	Il Sone bolow CSW		
Date Modified		from 2015 - 2019 should be actual numbers. 2020 - 2023 should be projected. In	n future submissions update projected numbers w	Number of lightions by HFTD tier Projected ignitions by HFTD tier	
Table 7.2: May recent and project	ted drivers of ignitions by HFTD region Metric type #		Are ignitions tracked for ignition driver? (yes /	(mg) 2015 2015 2015 2015 2015 2015 2015 2015	Unit(s) Comments Note that due to certain enhancements made to determining cause sub-categories of events,
Ignition - Distribution	Contact from object - Distribution 1.a.	Veg. contact- Distribution	Yes	7 0 2 4 0 7 0 1 4 0 10 0 1 5 0 10 0 4 1 0 10 0 1 1 1 8 0 2 1 0 9 0 1 0 0 9 0 1 0 0	# ignitions figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE-Z - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-cateopries of events.
	1.b.	Animal contact- Distribution	Yes	2 0 1 6 0 4 0 2 2 0 3 0 1 2 0 8 0 3 1 0 14 0 2 2 0 15 0 2 5 0 16 0 2 2 0 16 0 1 2 0	# ignitions figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE-2 - Determining Cause of Near Misses.
	i.e.	Balloon contact- Distribution	Yes	20 0 2 0 7 0 0 3 0 11 0 3 4 0 24 0 1 5 0 20 0 2 3 0 10 0 2 5 0 24 0 1 4 0 24 0 1 3 0	Note that due to certain enhancements made to determining cause sub-categories of events, figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE-2. Determining Cause of Near Misses.
	1.d.	Vehicle contact- Distribution	Yes		Note that due to certain enhancements made to determining cause sub-categories of events,
	1.e.	Other contact from object - Distribution	Yes	2 0 1 1 0 3 0 1 2 0 3 0 0 1 1 0 0 0 0 4 0 0 2 0 4 0 1 0 0 3 0 1 0 0 3 0 0 0	Note that due to certain enhancements made to determining cause sub-categories of events, # ignitions figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan
	Equipment / facility failure - Distribution 2.a.	Capacitor bank damage or failure - Distribution	Yes		SCE-2 - Determining Cause of Near Misses: Note that due to certain enhancements made to determining cause sub-categories of events, Bignitions figures in this table may not tile exactly to those provided in SCE's Remedial Compliance Plan
	2.b.	Conductor damage or failure — Distribution	Yes	1 0 1 0 0 14 0 2 3 0 14 0 0 1 0 1 0 1 3 0 6 0 2 3 0 11 0 2 12 0 4 0 1 14 0 4 0 1 12 0	SCE-2 - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-categories of events, figures in this table may not it exactly to those provided in SCE's Remedial Compliance Plan
					SCE-2 - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-categories of events,
	2.c.	•	Yes	1 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 2 0 0 0 1 0 0 0 0	SCE-2 - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-categories of events,
	2.d.	Lightning arrestor damage or failure- Distribution	Yes		# ignitions figures in this table may not tile exactly to those provided in SCE's Remedial Compliance Plan SCE's - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-categories of events,
	2.e.	Switch damage or failure- Distribution	Yes		
	2.f.	Pole damage or failure - Distribution	Yes	1 0 0 0 2 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 2 0 1 0 0 1 0 0 0 1 0 0 0 0	■ Ignitions figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE-2 - Determining Cause of Near Misses.
	2.g.	Insulator and brushing damage or failure - Distribution	Yes	0 0 1 0 0 0 2 0 0 0 0 2 0 0 0 1 0 2 0 0 0 5 0 1 1 0 4 0 0 0 4 0 0 0	Note that due to certain enhancements made to determining cause sub-categories of events, figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE-2 - Determining Cause of Near Misses.
	2.h.	Crossarm damage or failure - Distribution	Yes	1 0 0 0 2 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0	Note that due to certain enhancements made to determining cause sub-categories of events, il gnitions guines in this table may not tile exactly to those provided in SCE's Remedial Compliance Plan SCE-2 - Determining Cause of Near Misses.
	2.i.	Voltage regulator / booster damage or failure - Distribution	Yes		Note that due to certain enhancements made to determining cause sub-categories of events,
	2.j.	Recloser damage or failure - Distribution	Yes		Note that due to certain enhancements made to determining cause sub-categories of events, # ignitions figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan
	2.k	Anchor / guy damage or failure - Distribution	Yes		
	2.1.	Sectionalizer damage or failure - Distribution	Yes		SCE-2 - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-categories of events, fluxes in this table may not the exactly to those provided in SCE's Remedial Compliance Plan
	2.m.		Yes		SCE-2 - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-categories of events,
					SCE-2 - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-categories of events,
	2.n.	Transformer damage or failure - Distribution	Yes	2 0 0 1 0 1 0 1 0 0 1 0 0 1 0 8 0 0 2 0 2 0 0 1 0 8 0 1 1 0 7 0 0 0 0 7 0 0 0 0	# ignitions figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE's. Note that due to certain enhancements made to determining cause sub-categories of events,
	2.0.	Other - Distribution	Yes	4 0 0 2 0 4 0 0 3 0 0 0 1 0 6 0 0 1 0 2 0 0 0 0 2 0 1 1 0 3 0 0 1 0 3 0 0 1 0	# lignitions figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE's - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-categories of events,
	Wire-to-wire contact - Distribution 3.a.	Wire-to-wire contact / contamination- Distribution	Yes		
	Contamination - Distribution	Contamination - Distribution	Yes	1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 2 0 0 0 0	# lignitions figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE-2 - Determining Cause of Near Misses. Note that due to certain enhancements made to determining cause sub-categories of events,
	S. Utility work / Operation 5.a.	Utility work / Operation	No		# ignitions figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE-2 - Determining Cause of Near Misses.
	Vandalism / Theft - Distribution	Vandalism / Theft - Distribution	Yes	3 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 4 0 1 1 0 4 0 0 2 0 1 0 0 3 0 1 0 0 3 0	SCE-2 - Determining Cause of Near Misses.
	7. Other-Distribution 7.a.	All Other-Distribution	Yes	2 0 1 1 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 2 1 0 6 0 0 1 0 1 0 0 0 1 0 0 0	SCE-2 - Determining Cause of Near Misses.
	8. Unknown-Distribution 8.a.	Unknown - Distribution	Yes	14 0 1 6 0 3 0 0 2 0 7 0 1 3 1 5 1 0 0 0 0 1 0 3 0 0 0 8 0 0 0 8 0 0 0 0	SCE-2 - Determining Cause of Near Misses.
Ignition - Transmission	9. Contact from object - Transmission 9.a.	Veg. contact-Transmission	Yes	0 0 0 1 0 0 0 2 0 0 0 0 0 0 0 0 1 0 0 2 0 0 0 0	Note that due to certain enhancements made to determining cause sub-categories of events, figures in this table may not tie exactly to those provided in SCE's Remedial Compliance Plan SCE-2. Determining Cause of Near Misses.
	9.b.	Animal contact-Transmission	Yes	0 0 2 0 0 0 0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 2 0 0 2 0 0 0 1 0 0 0 1 0	Note that due to certain enhancements made to determining cause sub-categories of events,
	9.c.	Balloon contact- Transmission	Yes	0 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1	Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	9.4.	Vehicle contact-Transmission	Yes	0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	9.e.	Other contact from object - Transmission	Yes		Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	10. Equipment / facility failure - Transmission 10.a.	Capacitor bank damage or failure-Transmission	Yes		Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	10.b.	Conductor damage or failure — Transmission	Yes		Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in # ignitions this table compared to the numbers provided in SCE's Remedial Compliance Plan SCE-2 -
	10.c.	Fuse damage or failure - Transmission	Yes		
	10.d.	Lightning arrestor damage or failure-Transmission	Yes		
	10.e.	Switch damage or failure-Transmission	Yes		
	10.5	Pole damage or failure - Transmission	Yes		Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in this table compared to the numbers provided in SCE's Remedial Compiliance Plan SCE-2 -
	10.g.		Yes		Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in this table compared to the numbers provided in SCE's Remedial Compiliance Plan SCE-2 -
	10.h.		Yes		Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	10.1		Yes		Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	10.1		Yes		Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
					Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	10.k.		Yes		Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	10.1	•	Yes		Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
		Connection device damage or failure - Transmission	Yes		# ignitions this table compared to the numbers provided in SCE's Remedial Compliance Plan SCE-2 - Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	10.n.	Transformer damage or failure - Transmission	Yes		# ignitions this table compared to the numbers provided in SCE's Remedial Compliance Plan SCE's - Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	10.o.	Other - Transmission	Yes		# lignifions this table compared to the numbers provided in SETE Mendella Compliance Plan SCE-2 - Determining Cause of Near Misses. Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	11. Wire-to-wire contact - Transmission 11.a.	Wire-to-wire contact / contamination-Transmission	Yes		# ignitions this table compared to the numbers provided in SCE's Remedial Compliance Plan SCE-2 - Determining Cause of Near Misses.
	12. Contamination - Transmission 12.a.	Contamination - Transmission	Yes		Determining Cause of Near Misses.
	13. Utility work / Operation 13.a.	Utility work / Operation	No		Determining Cause of Near Misses.
	14. Vandalism / Theft - Transmission 14.a.	Vandalism / Theft - Transmission	Yes		Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in this table compared to the numbers provided in SCE's Remedial Compliance Plan SCE-2 - Determining Cause of Near Misses.
	15. Other-Transmission 15.a.	All Other-Transmission	Yes		Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
	16. Unknown-Transmission 16.a.	Unknown - Transmission	Yes	0 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 0 0 0	Note that SCE enhanced its mapping of outage data to faults; this may have shifted numbers in
					Descripting Casar Of 1980 BIOMS.

Utility Table No.	Southern California Edison Compa	11 "PSPS" = Public Safety Power Shutoff														
Date Modified	11/1/20	In future submissions update planned upgrade numbers with actuals	Actual											Periodod		
<u>Table 11: Recent use of PSPS and other PSPS metrics</u> Metric type	*	Outcome metric name	Actual 2015	2016	2017	2018		Q1 Q2 2020 202			Q1 2021	Q2 2021	Q3 2021	Projected Q4	Q1 Q2 Q3 Q4 2022 2022 2022 2022 Unit(s) Coi	omments
Recent use of PSPS	1.a.	Frequency of PSPS events (total)	0	0	1	3		0 0			1	1	1	Low 3 / High 11	Du Wh Number of instances where utility operating protocol requires de-energization of a circuit or portion thereof to reduce ignition probability, per year. Only include for events in which de-energization utilimately occurred events in which de-energization utilimately occurred	Tring 2020, SCE initiated 12 PSPS events (2 of which SCE did not de-energize, Table 11, Metric Type 5.a.) with 16 periods of concern, i.e., periods of time hen de-energization was likely to occur due to forecast weather and fuel conditions, 16 relates to periods of concerns. or Q2-Q4 2021 time periods, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire mitigation activities to create basedine. To factor in weather variability, which has significant impacts on PSPS events, SCE developed a range around the baseline. The range was based on 18 year backeds analysis that analysed how current PSPS triggers would have resulted in PSPS events when applied to historical weather data. For further
	1.b.	Scope of PSPS events (total)	0	0	7	6	267	0 0	7	417	160	1	1	Low 147 / High 473	det SCI use Circuit-events, measured in number of events multiplied by number of circuits de- energized per year a b	tails on calculating the range, please see section 8.5 E interprets this line item as de-energized circuit count. Additionally, the numbers being reported may not align with the ESR8-8 report because that report ses preliminary operations data that has not been fully validated. or Q2-Q4 2021 time periods, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire mitigation activities to create baseline. To factor in weather variability, which has significant impacts on PSPS events, SCE developed a range around the baseline. The range was based on 18 year backast analysis that analysical box current PSPS triggers would have resulted in PSPS events when applied to historical evaled has Corr further than the properties of th
	1.c.	Duration of PSPS events (total)	0	0	87,019	3,570	5,275,193	0 0	3,981	4,451,955 1,	,953,962	224	88	Low 1,213,366 / High 3,893,102	det For Customer hours per year an	tails on calculating the range, please see section 8.5 r Q2-Q4 2021 time periods, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire mitigation activities to create baseline. To factor in weather variability, which has significant impacts on PSPS events, SCE developed a range around the baseline. The range was based on 18 year backcast analysis that analyzed how current PSPS triggers would have resulted in PSPS events when applied to historical weather data. For further
Customer hours of PSPS and other outages	2.a.	Customer hours of planned outages including PSPS (total)	0	11,067,182	10,406,442	9,556,442	10,918,480 1,2	236,491 770,8	11 1,295,679	6,103,855 3,	,778,268 N	ot Currently Available	Not Currently Available	4,539,429	SCE rep Total outbooks bours of alabased outbooks are user	tails on calculating the range, please see section 8.5 E has not traditionally acculated reliability metrics tied to planned outages. Since 2019, SCE has been improving and refining its planned outage reliability porting, the San sort traditionally acculated reliability metrics tied to planned outages but changes due to the improved process. Further, SCE does not consider PSPS to be aanned outages but has included PSPS metrics in this row as requested by WSD. SCE is currently unable to provide planned outage data metrics due to cent IT system implementation issues. SCE is actively investigating this issue and will provide the data when it is available.
	2.b.	Customer hours of unplanned outages,	8.401.612	9.276.813	7.788.697	6.088.158	7.617.913 1.4	480.964 1.496.	752 2.350.456	i 2,224,812 1,	.615.913	1.958.196	3,639,476	5 2,224,81		vecast is based on time-series forecast.
	2.c.	not including PSPS (total) System Average Interruption Duration Index (SAIDI) (including PSPS)	100.15		214.28			31.46 26.2					Not Currently Available	78.29	SAIDI index value = sum of all interruptions in time period where each interruption in the period where each interruption plant is defined as confidential of interruption. If it depresses the confidential plant is defined as confidential of interruption. If it depresses the confidential plant is defined as confidential of interruption.	Et has not traditionally calculated reliability metrics tied to planned outages. Since 2019, SCE has been improving and refining its planned outage reliability porting, therefore the years after 2018 reflect not only actual changes but changes due to the improved process. Further, SCE does not consider PSPS to be anneed outages but has included PSPS metrics in this rows are queuested by MSO. SCE is currently unable to provide planned outage data metrics due to cent IT system implementation issues. SCE is actively investigating this issue and will provide the data when it is available.
	2.d.	System Average Interruption Duration Index (SAIDI) (excluding PSPS)	100.15	241.21	213.25	183.04	154.47	31.46 26.2	5 42.16	44.88		ot Currently Available	Not Currently Available	41.68	SCID index value = sum of all interruptions in time period where each interruption represents is defined as sum(duration of interruption * # of customer interruptions) / Total	recast is based on time-series forecast. E has not traditionally calculated reliability metrics tied to planned outages. Since 2019, SCE has been improving and refining its planned outage reliability porting, therefore the years after 2018 reflect not only actual changes but changes due to the improved process. Forecast is based on time-series forecast. E is currently unable to provide planned outage data metrics due to recent IT system implementation issues. SCE is actively investigative fiss suce and will
	2.e.	System Average Interruption Frequency Index (SAIFI) (including PSPS)	1.164	1.335	1.203	1.029	1.105	0.222 0.21	6 0.282	0.321	0.293 N	ot Currently Available	Not Currently Available	0.279	SAIFI index value = sum of all interruptions in time period where each interruption is defined as (total # of customer interruptions) / (total # of customers served) reconstructions of the customers are customers and customers are customers.	ovide the data when it is available. E has not traditionally actualate of eliability metrics tied to planned outages. Since 2019, SCE has been improving and refining its planned outage reliability porting, therefore the years after 2018 reflect not only actual changes but changes due to the improved process. Further, SCE does not consider PSPS to be anned outages but has included PSPS metrics in this row as requested by WSD. SCE is currently unable to provide planned outage data metrics due to cent IT system implementation issues. SCE is actively investigating this issue and will provide the data when it is available.
	2.f.	System Average Interruption Frequency Index (SAIFI) (excluding PSPS)	1.164	1.335	1.203	1.029	1.067	0.222 0.21	6 0.281	0.279		ot Currently Available	Not Currently Available	0.278	SCI SAIFI index value = sum of all interruptions in time period where each interruption is defined as (total # of customer interruptions) / (total # of customers served)	recast is based on time-series forecast. E currently made to provide planned outage data metrics due to recent IT system implementation issues. SCE is actively investigating this issue and will ovide the data when it is available. Vecast is based on time-series forecast.
Critical infrastructure impacted by PSPS	3.a.	Critical infrastructure impacted by PSPS	. 0	0	NA	NA.	5.868	0 0	12	5,123	2,066	78	3	Low 1,658 / High 5,320	The Number of critical infrastructure (in accordance with D.19-05-042) locations SCE	e numbers being reported may not align with the ESR8-8 report because that report uses preliminary operations data that has not been fully validated. E also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available.
										-,				,	a b an	or Q2-Q4 2021 time periods, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire mitigation activities to create baseline. To factor in weather variability, which has significant impacts on PSPS events, SCE developed a range around the baseline. The range was based on 118 wear backcast analysis that analyzed how current PSPS trieers would have resulted in PSPS events when applied to historical weather data. For further en numbers being reported may not align with the SSR-88 report because that report uses preliminary operations data that has not been fully validated.
Community outreach of PSPS metrics	4.a.	# of customers impacted by PSPS	0	0	2,861	112	198,826	0 0	270	229,530 1	116,349	78	9	Low 67,220 / High 215,678	customer, count each event as a separate customer) a b an det	or Q2-Q4 2021 time periods, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire mitigation activities to create baseline. To factor in weather variability, which has significant impacts on PSPS events, SCE developed a range around the baseline. The range was based on 18 year backsat analysis that analysic place how current PSPS triggers would have resulted in PSPS events when applied to historical weather talks on calculating the range, please see section 8.5 en unmoters being reported may not align with the ESRs Pseport because that report uses preliminary operations data that has not been fully validated.
	4.b.	# of medical baseline customers impacted by PSPS	ted 0	0	NA	NA	4,043	0 0	11	7,725	3,415	2	0	Low 2,443 / High 7,837	# of customers impacted by PSPS (if multiple PSPS events impact the same customer, count each event as a separate customer) a b	E also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available. or Q2-Q4 2011 time periods, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire mitigation activities to create baseline. To factor in weather variability, which has significant impacts on PSPS events, SCE developed a range around the baseline. The range was based on 18 year backcast analysis that analyzed how current PSPS triggers would have resulted in PSPS events when applied to historical weather data. For further tatis on calculating the range, please see section 8.5
	4.c.	# of customers notified prior to initiation of PSPS event	on 0	0	NA	NA	155,824	0 0	232	143,908 1	110,217	66	9	Low 41,960 / High 134,628	# of customers notined of PSPS event prior to initiation (it multiple PSPS events	e numbers being reported may not align with the ESRB-8 report because that report uses preliminary operations data that has not been fully validated.
	4.d.	# of medical baseline customers notified prior to initiation of PSPS event	d o	0	NA	NA	3,044	0 0	15	7,531	3,138	2	0	Low ,296 / High 7,367	impact the same customer, count each event in which customer was notified as a	ne numbers being reported may not align with the ESRB-8 report because that report uses preliminary operations data that has not been fully validated.
	4.e.	% of customers notified prior to a PSPS event impacting them	0	0	NA	NA	78%	0 0	85%	62%	95%	85%	100%	62%	=4.c./4.a. SCI	E also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available.
	4.f.	% of medical baseline customers notified prior to a PSPS event impacting them	ed 0	0	NA	NA	75%	0 0	100%	88%	92%	100%	0%	94%	=4.d. / 4.b. SCE	E also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available.
5. Other PSPS metrics	5.a.	Number of PSPS events triggered where no de-energization occurred	e 0	0	NA	NA	7	0 2	0	0	0	1	0	0	Number of instances where utility notified the public of a potential PSPS event but no de-energization followed	E also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available.
	5.b.	Number of customers located on de- energized circuit	0	0	NA	NA	237,666	0 0	5,820) 407,853 5	597,448	78	9	Low 118,918 / High 381,552	For Number of customers a b an	is data includes the number of customers on a circuit whether they were de-energized or not or Q2-Q4 2021 time periods, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire mitigation activities to create baseline. To factor in weather variability, which has significant impacts on PSPS events, SCE developed a range around the baseline. The range was based on 18 year backscan analysis that analyzed how current PSPS triggers would have resulted in PSPS events when applied to historical weather data. For further tails on calculating the range, please see section 8.5
	5.c.	Customer hours of PSPS per RFW OH circuit mile day	0	0	NA	NA	NA	0 0	17	434	875	11	0	L 158 / H 507	For a b an det =1.c./ RPW OH circuit mile days in time period SCE	E also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available. or Q2-Q4 2021 time periods, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire militation activities to create baseline. To factor in weather variability, which has significant impacts on PSPS events, SCE developed a range around the baseline. The range was based on 18 year backcast analysis that analyzed how current PSPS triggers would have resulted in PSPS events when applied to historical weather data. For further tails on calculating the range, please see section 8.5 E also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available.
	5.d.	Frequency of PSPS events (total) - High Wind Warning wind conditions	0	0	NA	NA	NA	0 0	1	8	1	1	0	L3/H11	for F	storical numbers were corrected as the original anlaysis methodology was found to be faulty. Additionally, Since historical numbers were adjusted, the recast numbers were re-forecasted, he receast numbers were re-forecasted. In 20-24 2021 time periods, SEC used 2020 recorded data adjusted for improvement expected based on SEC's planned wildfire mitigation activities to create baseline. To factor in weather variability, which has significant impacts on PSPS events, SEC developed a range around the baseline. The range was based on 1.8 year backcast analysis that analyzed how current PSPS triggers would have resulted in PSPS events when applied to historical weather data. For further tails on calculating the range, please see section 8.5 Et also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available. storical numbers were corrected as the original anlaysis methodology was found to be faulty. Additionally, Since historical numbers were adjusted, the recast numbers were re-forecasted.

													a a	For Q2-Q4 2021 time periods, SCE used 2020 recorded data adjusted for improvement expected based on SCE's planned wildfire mitigation activities to create a baseline. To factor in weather variability, which has significant impacts on FSPS events, SCE developed a range around the baseline. The range was based on an 18 year backscat analysis that analyzed how current PSPS triggers would have resulted in PSPS events when applied to historical weather data. For further details on calculating the range, please see section 8.5
	5.e.	Scope of PSPS events (total) - High Wind Warning wind conditions	0 0	NA N	A NA	0 0	7	392 151	1	0	L 104 / F	I / H 335	Estimated customers impacted over time period that overlapped with a High Wind Warning as defined by the National Weather Service	SCE also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available.
													9	SCE interprets this line item as de-energized circuit counts that overlap with High Wind Warnings.
														Historical numbers were corrected as the original anlaysis methodology was found to be faulty. Additionally, since historical numbers were adjusted, the forecast numbers were re-forecasted.
	54	Duration of PSPS events (total) - High			A NA	0 0	3.500	1.298.692 1.826.480			1 1 175 242 //	2 / H 3.770.782	a a	For Q2-Q4 2021 time periods, SEC used 2020 recorded data adjusted for improvement expected based on SEC's planned wildfire mitigation activities to create a baseline. To factor in weather variability, which has significant impacts on PSPS events, SEC developed a range around the baseline. The range was based on an 18 year backcast analysis that analyzed how current PSPS triggers would have resulted in PSPS events when applied to historical weather data. For further details on calculating the range, please see section 8.5
S.f.	5.1.	Wind Warning wind conditions	0 0	NA P	A NA	0 0	5,500 4	,230,032 1,020,460	4	U	1,175,242 / 1	2 / П 3,770,762	defined by the National Weather Service	SCE also notes, that earlier PSPS events were not tracked and recorded in the same level of detail as it is now, therefore not all data is available.
													Historical numbers were corrected as the original anlaysis methodology was found to be faulty. Additionally, Since historical numbers were adjusted, the forecast numbers were re-forecasted.	

Utility Table No. Date Modified	Southern California Edison Com	pany Notes: 12 Risk-Spend-Effi	iciency (RSE) is defined as "An estimate of the cost-effective	sess of initiative, calculated by dividing the mitigation risk redu	uction benefit by the mitigation cost estimate based on the full set of risk reduction benefit huggester projections and actuals. Additional Instructions can be found in QR informs	selfits estimated from the incurred costs."																
Date Modified Table 12: Mitigation initiati	11/1,	All dollars show	al expenditure; OPEX = Operating expenditure. In future sub wn are in nominal, thousands of dollars (000s).	nissions update planned spend, line miles treated, RSE, etc. w	vith updated projections and actuals. Additional instructions can be found in QR informa	ation.						Act	ial Actual	Actual	Actual	Projected	Projected	Projected	Projected	Projected Project	d Projected	Projected be treated Alternative units (if uses
Table 12: Mittgation initiati			WN	P Primary driver Ye	ar Estimated RSE in Estimated RSE in Estimated RSE in Estimated RS tiated non-HFTD region HFTD Zone 1 HFTD Tier 2 HFTD Tier 3	E in If existing: most recent proceeding that	Cu	urrent complance status - In /	Associated rule(s) - if multiple,	If spend not disaggregated by this activity, n activity where relevant spend is tracked in o	ote Alternative units in which initiative is repor or (if not line miles); still required to report lin miles	ted ie	EX (\$ thousands) UPEX (\$									
Metric type Other	WMP Table # / Category Risk Assessment & Mapping	WMP Initiative 7.3.1.1.	at Initiative activity Identi A summarized risk map that shows the overall ignition probability and estimated wildfire consequence along the electric lines and	ier targeted Secondary driver targeted ini	tiated non-HFTD region HFTD Zone 1 HFTD Tier 2 HFTD Tier 3	has reviewed program If ne	rw: memorandum account ex	xceeding compliance with regulations	separate by semi-colon - ";"	mark "general operations" Costs included in SA-4	miles	Comments 202	265\$	2020 175	2020	2021	\$	2021 315	2021	2022 2022 \$	2022 175	2022
Other	Risk Assessment & Mapping Risk Assessment & Mapping	7.3.1.2. 7.3.1.3.	equipment Climate-driven risk map and modelling based on various relevant weather scenarios Ignition probability mapping showing the NA			GSRF	P8A			General operations Costs included in SA-4		\$	265\$	175			\$	315		\$	175	
Other	Risk Assessment & Mapping	7.3.1.4.	probability of ignition along the electric lines and equipment Initiative mapping and estimation of wildfire NA							General operations												
Other	Risk Assessment & Mapping	7.3.1.5.	and PSPS risk-reduction impact Match drop simulations showing the potential NA			GSRF	PBA			Costs included in SA-4		\$	265\$	175			\$	315		\$	175	
Other	Situational Awareness & Forecasting	7.3.2.1.	wildfire consequence of ignitions that occur along the electric lines and equipment Advanced weather monitoring and weather SA-	. 20	18	This activity was not included in SCE's GSRF	PBA Ex	xceeding compliance with regulations		NA .	# of weather station installs	\$	7,603 \$	4,309		593\$	5,273 \$	7,360	475	\$ 5,273 \$	7,871	4
Other	Situational Awareness & Forecasting	7.3.2.2.	continuous monitoring sensors SA-	Equipment failure Other contact with object 20	18 925 4,456 2	2018 GRC, but is included in its pending 2021 GRC. 2,756 This activity was not included in SCE's GSRF	PBA; WMPMA Exc	xceeding compliance with regulations		NA	# of devices	\$	260\$	215		\$	9,554 \$	252	150	\$ 19,609		3
Other	Situational Awareness & Forecasting		Fault indicators for detecting faults on electric NA	NA NA		2018 GRC, but is included in its pending 2021 GRC.				General operations	# of installations (395 are in HFRA)	This activity is not				1.566			1566			1.5
200			lines and equipment							Costs included with SA-3		This activity is not considered by SCE to be a WMP activity and only units have been provided as the dollars are not disaggregated in SCE's accounting system at this level. Year initiated noted as "NA" as initiative started pre-GSRP/WMP.										
Other	Situational Awareness & Forecasting Situational Awareness & Forecasting		Forecast of a fire risk index, fire potential SA- index, or similar Forecast of a fire risk index, fire potential SA-		19	This activity was not included in SCE's FRM	IMA Ex	xceeding compliance with regulations		NA	# of square miles		\$	193			\$	320	6,500	\$	604	6,50
Other	Situational Awareness & Forecasting	7.3.2.4.3	index, or similar Forecast of a fire risk index, fire potential SA-	20	20	2018 GRC, but is included in its pending 2021 GRC. This activity was not included in SCE's WMI	PMA Ex	xceeding compliance with regulations		NA .							\$	1,467	14,000	\$	1,711	14,000
Other	Situational Awareness & Forecasting		index, or similar Forecast of a fire risk index, fire potential SA-	20	10	2018 GRC, but is included in its pending 2021 GRC. This activity was not included in SCE's WMI		xceeding compliance with regulations		NA .				414	14 000			901	14.000		500	14.000
- Const			index, or similar		-	2018 GRC, but is included in its pending 2021 GRC.		Account Comprision with regulations							24,000						300	14,000
Other	Situational Awareness & Forecasting Situational Awareness & Forecasting		Personnel monitoring areas of electric lines and equipment in elevated fire risk conditions Weather forecasting and estimating Impacts SA.		18	NA This activity was not included in SCE's GSR4	PBA; WMPMA EX	xceeding compliance with regulations		General operations	# of HPCCs in 2021	This activity is not considered by SCE to be a WMP activity and dollars/units represent SCE's full service area, not just its HFRA. Year initiated noted as "NA" as initiative started pre-GSRP/WMP. Not intending to install S	3,310 \$	25,218	14,000	\$	6,552 \$	3,728	14,000	\$ \$ 700\$	3,143	14,000
Other	Situational Awareness & Forecasting	73767	on electric lines and equipment Weather forecasting and estimating impacts SA-	20	18	2018 GRC, but is included in its pending 2021 GRC. This artivity was not included in SCE's FRM	IMA Fw	xceeding compliance with regulations		NA.		new HPCCs in 2022	\$	1.029	14 000		5	1 348	14.000	\$	878	14 000
Cold bandania	Grid Design & System Hardening	7.3.3.1.	on electric lines and equipment Capacitor maintenance and replacement NA			This activity was not included in SCE's FRM 2018 GRC, but is included in its pending 2021 GRC.			GO 95; GO 165	General operations	2020:	This activity is not \$	5,275	-,	,	1456	7.00					
one naroening			program			NA.				General operations	112 OH Caps; 10 PM Caps; 23 Removals 2021: 41 OH Caps; 10 PM Caps; 6 Removals 2022: 55 OH Caps; 14 PM Caps; 8 Removals	Inis activity is not considered by SCE to be a WMP activity and dollars/units represent SCE's full service area, not just its HFRA. Year initiated noted as "NA" as initiative started pre-GSRP/WMP.				1455	2,444		5.4	5 5,413		
Grid hardening	Grid Design & System Hardening	7.3.3.2.	to de-energize lines upon detecting a fault	Equipment failure Other contact with object 20		3,308 This activity was not included in SCE's GSRF 2018 GRC, but is included in its pending 2021 GRC.		xceeding compliance with regulations		NA	# of relays	\$	9,786 \$	(9)		109\$	12,898		86	\$ 8,583		1:
Grid hardening	Grid Design & System Hardening			Other contact with Wire-to-wire contact 20 object		4,192 This activity was not included in SCE's GSRF 2018 GRC, but is included in its pending 2021 GRC.		xceeding compliance with regulations		NA	# of miles of covered conductor installs	In 2020, there were 814 \$ WCCP circuit miles and 151 non-WCCP circuit miles installed.	546,151			965\$	753,659		1,400			1,60
Grid hardening	Grid Design & System Hardening	7.3.3.3.2		O Other contact with Wire-to-wire contact 20 object	15	This activity was not included in SCE's GSRB 2018 GRC, but is included in its pending 2021 GRC.		exceeding compliance with regulations		NA .	# of remediations	405 tree attachments were \$\footnote{s}remediated in 2020. The majority, 369, of these tree attachments were scoped for future years but were removed as a result of wildfires in the second half of the year.	9,654			405\$	22,231		681	\$ 26,090		7.
Grid hardening	Grid Design & System Hardening Grid Design & System Hardening	7.3.3.4. 7.3.3.5.	Covered conductor maintenance NA Crossarm maintenance, repair, and NA replacement							General operations General operations												
Grid hardening	Grid Design & System Hardening	7.3.3.6.	Distribution pole replacement and NA reinforcement, including with composite poles	NA		NA.	in e	compliance with regulations	GO 95	General operations	# of pole remediations	This activity is not \$ considered by SCE to be a WMP activity and dollars/units represent SCE's full service area, not just its HFRA. Year initiated noted as "NA" as initiative started pre-GSRP/WMP.	181,874			9,511\$	306,565		15,265	\$ 219,403		11,61
Grid hardening	Grid Design & System Hardening	7.3.3.7.	Expulsion fuse replacement SH-	Equipment failure Other contact with object 20	1,363 3	3,304 This activity was not included in SCE's GSRF 2018 GRC, but is included in its pending 2021 GRC.	PBA Ex	xceeding compliance with regulations	GO 95	NA	Location count	\$	8,955 \$	3,262		3,025	\$	1,154	421	\$	1,334	48
Grid hardening	Grid Design & System Hardening	7.3.3.8.1	Grid topology improvements to mitigate or SH- reduce PSPS events			This activity was not included in SCE's 2018 GRC, but is included in its pending	Exc	xceeding compliance with regulations	GO 95	NA		SCE does not plan to incur incremental costs for this										
Grid hardening	Grid Design & System Hardening	7.3.3.8.2	Grid topology improvements to mitigate or SH-: reduce PSPS events	2 20	20	2021 GRC. This activity was not included in SCE's MGC 2018 GRC, but is included in its pending	DIR Exc	exceeding compliance with regulations	GO 95	NA		initiative.				\$	4,000		9,715	\$ 7,000		9,715
Grid hardening Grid hardening	Grid Design & System Hardening Grid Design & System Hardening	7.3.3.9. 7.3.3.10.	Installation of system automation equipment SH- Maintenance, repair, and replacement of NA	20	18	2021 GRC.	PBA; FHPMA Ex	xceeding compliance with regulations n compliance with regulations	GO 95	NA General operations	# of devices	\$	5,867			49						
Grid hardening	Grid Design & System Hardening	7.3.3.11.	connectors, including hotline clamps Mitigation of impact on customers and other NA					i compiante with regulations		General operations												
Grid hardening	Grid Design & System Hardening	7.3.3.12.	residents affected during PSPS event Other corrective action SH-	4 Wire-to-wire contact Equipment failure 20	19 1,867 1	1,957 This activity was not included in SCE's WMI 2018 GRC, but is included in its pending	PMA Ex	xceeding compliance with regulations	GO 95	NA		Units to be determined by field assessments being	\$	554	9,715	\$	5,943 \$	2,221	9,715	\$ 33,590 \$	14,027	9,715
Grid hardening	Grid Design & System Hardening	7.3.3.13.	Pole loading infrastructure hardening and replacement program based on pole loading assessment program	NA		2021 GRC. NA	în e	compliance with regulations	GO 95	General operations	# of pole remediations	conducted in Q1/Q2 2021. This activity is not considered by SCE to be a WMP activity and didars/units represent SCE's full service area, not just its HFRA. Year initiated noted as "NA" as initiative started pre-GSRP/WMP.	97,292			3,805\$	209,875		1,072	\$ 307,949		15,1
Grid hardening	Grid Design & System Hardening	7.3.3.14.	Transformers maintenance and replacement NA	NA		NA.	in e	compliance with regulations	GO 95	General operations	Includes overhead, padmount and BURD transformers, and associated inspections.	This activity is not \$ considered by SCE to be a WMP activity and dollars/units represent	96,400 S	3,800		31,947\$	96,262 \$	5,704	33,408	\$ 98,187 \$	6,045	32,3
												SCE's full service area, not just its HFRA. Year initiated noted as "NA" as initiative started pre-GSRP/WMP.										
Grid hardening	Grid Design & System Hardening	7.3.3.15.	replacement	3 Contamination Equipment failure 20		82 WMI		exceeding compliance with regulations		NA	# of structures						\$	1,000	53			
Grid hardening	Grid Design & System Hardening	7.3.3.16.	equipment	Other contact with Wire-to-wire contact 20 object		347This activity was not included in SCE's WMI 2018 GRC, but is included in its pending 2021 GRC.		xceeding compliance with regulations		NA		In 2020, only design work \$ was completed.	961			\$	14,050			\$ 54,347		11
Grid hardening	Grid Design & System Hardening	7.3.3.17.1	Updates to grid topology to minimize risk of SH- ignition in HFTDs			13 This activity was not included in SCE's WMI 2018 GRC, but is included in its pending 2021 GRC.		xceeding compliance with regulations		NA	# of replacements					\$	853		30			
Grid hardening	Grid Design & System Hardening	7.3.3.17.2	Updates to grid topology to minimize risk of SH- ignition in HFTDs	20	19	This activity was not included in SCE's WMI 2018 GRC, but is included in its pending	PMA Ex	xceeding compliance with regulations	GO 95	NA			\$	74	9,715	\$	4,450 \$	820	9,715	\$ 3,953 \$	225	9,715
Grid hardening	Grid Design & System Hardening	7.3.3.17.3	Updates to grid topology to minimize risk of SH- ignition in HFTDs	20	19	This activity was not included in SCE's WMI 2018 GRC, but is included in its pending	PMA Ex	xceeding compliance with regulations	GO 95	NA	Cicuit miles within HFRA		\$	125		6	\$	400	10	\$	750	1
Asset inspection	Asset Management & Inspections	7.3.4.1.	Detailed inspections of distribution electric NA lines and equipment	NA		2021 GRC.	ân e	a compliance with regulations	GO 165	General operations	2020: 58,895 inspections in HFRA; 205,875 inspect in non-HFRA 2021: 27,000 inspections in HFRA; 244,000 inspections in non-HFRA 2022: 27,000 inspections in HFRA; 244,000	Year initiated noted as ions "NA" as initiative started pre-GSRP/WMP.	\$	8,960	:	162,770	ş	4,223	271,000	\$	4,332	271,0
Asset inspection	Asset Management & Inspections	7.3.4.2.	Detailed inspections of transmission electric NA lines and equipment	NA NA			In	n compliance with regulations	GO 165	General operations	inspections in non-HFRA # of inspections	Year initiated noted as "NA" as initiative started	\$	3,567		1,313	\$	7,604	1,313	\$	7,802	1,3
Asset inspection	Asset Management & Inspections	7.3.4.3.	Improvement of inspections IN-	20	21	This activity was not included in SCE's WMI 2018 GRC, but is included in its pending	PMA Exi	xceeding compliance with regulations		NA		pre-GSRP/WMP.	28,719 \$	2,629	9,715	\$	17,422 \$	6,490	9,715	\$ 6,600 \$	5,241	9,715
Asset inspection	Asset Management & Inspections	7.3.4.4.	Infrared inspections of distribution electric IN-	Equipment failure 20	17 156 1	2021 GRC. 1,879 This activity was not included in SCE's GSRF	PBA Exc	xceeding compliance with regulations	GO 95, Rule 31.2; GO 95, Rule	NA			\$	791	4,416		\$	427	4,425	\$	427	4,425
Asset inspection	Asset Management & Inspections	7.3.4.5.	Ines and equipment Infrared inspections of transmission electric IN-			2018 GRC, but is included in its pending 2021 GRC. 174This activity was not included in SCE's WMI		xceeding compliance with regulations	31.1				\$	384	1,005		\$	209	1,000	\$	216	1,000
Asset inspection	Asset Management & Inspections	7.3.4.6.	lines and equipment Intrusive pole inspections NA	NA NA		2018 GRC, but is included in its pending 2021 GRC.			31.1	General operations		Year initiated noted as					\$		14,000	\$	4,332	14,000
Asset inspection	Asset Management & Inspections	7.3.4.7.	LIDAR inspections of distribution electric lines NA							General operations		"NA" as initiative started pre-GSRP/WMP.										
Asset inspection	Asset Management & Inspections	7.3.4.8.	and equipment LIDAR inspections of transmission electric lines NA and equipment							General operations												

							If spend not disaggregated by this activity,	, note Alternative units in which initiative is repor	rted											
Metric type Asset inspection	WMP Table # / Category Asset Management & Inspections	WMP Initiati 7.3.4.9.1		Primary driver trageted Secondary driver targeted initiated non-HFTD region HFTD Zone 1 HFTD Ize 2 Equipment failure 2018 2018	timated RSE in If existing; most recent proceeding that TTD Tier 3 has reviewed program 1,777 This activity was not included in SCE's FRMMA; GSRPBA; WMPMA	Current compliance status - In / Associated rule(s) - if multiple exceeding compliance with regulations separate by semi-colon - ";" Exceeding compliance with regulations GO 95, Rule 31.2; GO 95, Rule	, activity where relevant spend is tracked in mark "general operations" NA	n or (if not line miles); still required to report lin miles 2020:	Comments 2020	2020 85,219 \$	2020	2020	2021 393,982\$	2021 43,469 \$	2021 65.600	2021	2022 387,900\$	2022 88,698 \$ 91,	2022 506	2022 383.822
			electric lines and equipment, beyond inspections mandated by rules and regulations		2018 GRC, but is included in its pending 2021 GRC.	31.1; GO 165		# of Ground Inspections: 199,050; # of Aeria Inspections: 168,017; # of Remediations: 26,	d .											
								2021: # of Ground Inspections: 187,000; # of Aeria Inspections: 181,308; # of Remediations: 19,	il 592											
								2022: # of Ground Inspections: 171,000; # of Aeria	d											
								Inspections: 198,468; # of Remediations: 14,	,354											
Asset inspection	Asset Management & Inspections	7.3.4.9.2	Other discretionary inspection of distribution IN-5	2019	This activity was not included in SCE's FRMMA; WMPMA	Exceeding compliance with regulations GO 95 Rule 31.2; GO 165	NA NA			\$	403		268	\$	315		181			102
			electric lines and equipment, beyond inspections mandated by rules and regulations		2018 GRC, but is included in its pending 2021 GRC.															
Asset inspection	Asset Management & Inspections	7.3.4.10.	Other discretionary inspection of transmission IN-1.2 electric lines and	Equipment failure 2018 540	764 This activity was not included in SCE's FRMMA; GSRPBA; WMPMA 2018 GRC, but is included in its pending	Exceeding compliance with regulations GO 95, Rule 31.2; GO 95, Rule 31.1; GO 165	NA	2020: # of Ground Inspections: 35,562; # of Aerial	\$	35,934 \$	51,821		73,429 \$	25,758 \$	26,614		46,958\$	18,098 \$ 23,	825	41,341
					2021 GRC.			Inspections: 31,381; # of Remediations: 6,48 2021:	96											
								# of Ground Inspections: 21,200; # of Aerial Inspections: 21,058; # of Remediations: 4,70	00											
								# of Ground Inspections: 14,902; # of Aerial Inspections: 22,834; # of Remediations: 3,60	05											
Asset inspection	Asset Management & Inspections	7.3.4.11.	Patrol inspections of distribution electric lines NA and equipment	NA.			General operations		Year initiated noted as "NA" as initiative started	\$	25,218	9,715		\$	24,099	9,715		\$ 24,	782	9,715
Asset inspection	Asset Management & Inspections	7.3.4.12.	Patrol inspections of transmission electric lines NA and equipment				General operations		pre-GSRP/WMP.											
Asset inspection	Asset Management & Inspections	7.3.4.13.	Pole loading assessment program to determine NA safety factor	NA.		In compliance with regulations GO 95	General operations	# of assessments	Year initiated noted as "NA" as initiative started	\$	14,477		121,268	\$	3,210		14,400			
Asset inspection	Asset Management & Inspections	7.3.4.14.	Quality assurance / quality control of NA				General operations		pre-GSRP/WMP.											
Asset inspection	Asset Management & Inspections	7.3.4.15.	Substation inspections NA	NA .	NA NA	In compliance with regulations GO 174	General operations	# of inspections	This activity is not considered by SCE to be a	\$	2,672		4,209	\$	2,855		4,426	\$ 2	986	5,644
									WMP activity and dollars/units represent											
									SCE's full service area, not just its HFRA. Year initiated noted as "NA" as initiative											
									started pre-GSRP/WMP.											
Vegetation management pro	oject Vegetation Management & Inspection Vegetation Management & Inspection		Additional efforts to manage community and NA environmental impacts Detailed inspections of vegetation NA	NA.	NA.	In compliance with regulations GO 95; GO 174	General operations General operations	# of ground inspection and aerial inspection	This said the is said	\$	35.350		1,760,000		15,020		1,149,000	\$ 15,	474	1.149.000
regeration impection	regeration management is imprecion		around distribution electric lines and equipment	TAN	in the second se	in Companies with regulations GC 33, GC 214	General Operations	worgound inspection and astron inspection	considered by SCE to be a WMP activity and		23,730	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		13,020		1,143,000	, 14	*/-	1,145,000
									dollars/units represent SCE's full service area, not											
									just its HFRA. Year initiated noted as "NA" as initiative started pre-GSRP/WMP.											
Vegetation inspection	Vegetation Management & Inspection	s 7.3.5.3.	Detailed inspections of vegetation NA	NA.	NA NA	In compliance with regulations GO 95; GO 174	General operations	# of inspections	This activity is not	\$	1,774		321,000	\$	2,753		234,000	\$ 2	835	234,000
			around transmission electric lines and equipment						considered by SCE to be a WMP activity and											
									dollars/units represent SCE's full service area, not just its HFRA. Year initiated											
									noted as "NA" as initiative started pre-GSRP/WMP.											
Vegetation management pro	oject Vegetation Management & Inspection	s 7.3.5.4.	Emergency response vegetation management NA				General operations													
Vegetation management pro	oject Vegetation Management & Inspection	6 7.3.5.5.1	due to red flag warning or other urgent conditions Fuel management and reduction of "slash" VM-2	Equipment failure 2019 1,426	1.881 This activity was not included in SCE's WMPMA	Exceeding compliance with regulations PRC 4292	NA .	# of poles brushed		\$	7.459		234,000	s	8,272		229,190	\$ 6	787	229.190
			from vegetation management activities		2018 GRC, but is included in its pending 2021 GRC.															
Vegetation management pro	oject Vegetation Management & Inspection	s 7.3.5.5.2	Fuel management and reduction of "slash" VM-3 from vegetation management activities	2019	This activity was not included in SCE's FHPMA 2018 GRC, but is included in its pending	Exceeding compliance with regulations PRC 4291; PRC 4293	NA						61	\$	900		46	\$ 1	089	49
Vegetation inspection Vegetation inspection	Vegetation Management & Inspection Vegetation Management & Inspection	s 7.3.5.6. s 7.3.5.7.	Improvement of inspections NA LIDAR inspections of vegetation around NA		2021 GRC.		General operations General operations													
Vegetation inspection	Vegetation Management & Inspection		distribution electric lines and equipment LIDAR inspections of vegetation around NA	2019	This activity was not included in SCE's WMPMA	Exceeding compliance with regulations FAC-003-4	NA NA			\$	4,092	1,227		\$	1,485	1,227		\$ 1	502	1,227
Vegetation inspection	Vegetation Management & Inspection	s 7359	transmission electric lines and equipment Other discretionary inspections of vegetation NA		2018 GRC, but is included in its pending 2021 GRC.		General operations													
			around distribution electric lines and equipment																	
Vegetation inspection	Vegetation Management & Inspection	s 7.3.5.10.	Other discretionary inspections of vegetation NA around transmission electric lines and equipment				General operations													
Vegetation inspection	Vegetation Management & Inspection	s 7.3.5.11.		Contact with	2018 GRC FHPMA	Exceeding compliance with regulations GO 95; PRC 4293; FAC-003-4	NA .		Year initiated noted as					\$	10,009			\$ 10,	309	
			distribution electric lines and equipment	vogetation					"NA" as initiative started pre-GSRP/WMP. Year initiated noted as											
Vegetation inspection	Vegetation Management & Inspection	s 7.3.5.12.	Patrol inspections of vegetation around NA transmission electric lines and equipment	Contact with vegetation	2018 GRC FHPMA	Exceeding compliance with regulations GO 95; PRC 4293; FAC 003-4	NA		Year initiated noted as "NA" as initiative started pre-GSRP/WMP.					\$	4,306			\$ 4	435	
Vegetation inspection	Vegetation Management & Inspection	s 7.3.5.13.	Quality assurance / quality control of NA vegetation inspections	2019	This activity was not included in SCE's WMPMA 2018 GRC, but is included in its pending	Exceeding compliance with regulations GO 95; PRC 4293; FAC-003-4	NA		,,	\$	3,966	14,000		\$	5,547	14,000		\$ 6	159	14,000
Vegetation management pro	oject Vegetation Management & Inspection	s 7.3.5.14.	Recruiting and training of vegetation NA		2021 GRC.		General operations													
Vegetation management pro Vegetation management pro	oject Vegetation Management & Inspection oject Vegetation Management & Inspection	s 7.3.5.15. s 7.3.5.16.1	management personnel Remediation of at-risk species NA Removal and remediation of trees with strike VM-1	Contact with 2018 1,405	1,602 This activity was not included in SCE's GSRPBA	Exceeding compliance with regulations GO 95 Rule 35; PRC 4293	General operations NA	# of tree assessments		\$	46.685		99,523	s	36,870	120.000 to 130	0.000	\$ 89,	162	200,000
			potential to electric lines and equipment	vegetation	2018 GRC, but is included in its pending 2021 GRC.															
Vegetation management pro	oject Vegetation Management & Inspection	s 7.3.5.16.2	Removal and remediation of trees with strike VM-4 potential to electric lines and equipment	Contact with NA 2,284 vegetation	2,413 This activity was not included in SCE's CEMA 2018 GRC, but is included in its pending 2021 GRC.	Exceeding compliance with regulations GO 95; PRC 4293; FAC-003-4	NA		Year initiated noted as "NA" as initiative started pre-GSRP/WMP.	\$	37,604			\$	18,451			\$ 44	748	
Vegetation inspection Vegetation management pro	Vegetation Management & Inspection oject Vegetation Management & Inspection oject Vegetation Management & Inspection	s 7.3.5.17. s 7.3.5.18.	Substation inspection NA Substation vegetation management NA				General operations General operations NA		,											
Vegetation management pro	oject Vegetation Management & Inspection	s 7.3.5.19.	Vegetation inventory system VM-6	2021	This activity was not included in SCE's WMPMA; GSRPBA 2018 GRC, but is included in its pending 2021 GRC.	Exceeding compliance with regulations	NA		\$	16,128 \$	1,056	14,000	\$	9,940 \$	4,152	14,000	\$	4,475 \$ 4	691	14,000
Vegetation management pro	oject Vegetation Management & Inspection	s 7.3.5.20	Vegetation management to achieve clearances NA around electric lines and equipment	Contact with NA 4,042 vegetation	4,512 This activity was not included in SCE's FHPMA 2018 GRC, but is included in its pending	Exceeding compliance with regulations GO 95; PRC 4293; FAC-003-4	NA		Year initiated noted as "NA" as initiative started	\$	233,585	14,000		\$	182,747	14,000		\$ 187	967	14,000
Other	Grid Operations & Operating Protocol	7.3.6.1.	Automatic recloser operations NA		2021 GRC.		General operations		pre-GSRP/WMP.											
Other	Grid Operations & Operating Protocol Grid Operations & Operating Protocol		Crew-accompanying ignition prevention and NA suppression resources and services Personnel work procedures and training in NA				General operations General operations													
Other	Grid Operations & Operating Protocol:	7.3.6.4.	conditions of elevated fire risk Protocols for PSPS re-energization NA				General operations													
Other	Grid Operations & Operating Protocol	7.3.6.5.	PSPS events and mitigation of PSPS impacts PSPS-2	2018 108	188 This activity was not included in SCE's FRMMA; GSRPBA; WMPMA 2018 GRC, but is included in its pending 2021 GRC.	Exceeding compliance with regulations SB 167	NA .		This is the RSE for \$ Community Resource Centers/Community Crew	6,843 \$	23,977	14,000	\$	15,872 \$	51,918	14,000	\$	1,250 \$ 48,	378	14,000
					EUL E UTIL				Vehicles. An RSE was calculated for Critical Care											
									Backup Battery which is 12 and 22 for Tier 2 and Tier 3											
Other	Grid Operations & Operating Protocol		Stationed and on-call ignition prevention and NA suppression resources and services				General operations		respectively											
Other	Data Governance	7.3.7.1.	Centralized repository for data DG-1	2021	This activity was not included in SCE's GSRPBA 2018 GRC, but is included in its pending	Exceeding compliance with regulations	NA		s	1,796		14,000	\$	15,709 \$	1,052	14,000	\$	13,698 \$ 2	252	14,000
Other	Data Governance	7.3.7.2.	Collaborative research on utility ignition NA and/or wildfire		2021 GRC.		General operations													
Other	Data Governance	7.3.7.3.	and/or wildfire Documentation and disclosure of wildfire- NA related data and algorithms				General operations													
Other Other	Data Governance Resource Allocation Methodology	7.3.7.4. 7.3.8.1.	Tracking and analysis of near miss data NA Allocation methodology development and NA	2018	This activity was not included in SCE's FRMMA; WMPMA	Exceeding compliance with regulations	General operations NA			\$	45,202	14,000		\$	7,610	14,000		\$ 6	086	14,000
Other	Resource Allocation Methodology	7.3.8.2.	application Risk reduction scenario development and NA		2018 GRC, but is included in its pending 2021 GRC.		General operations													
Other	Resource Allocation Methodology	7.3.8.3.	analysis Risk spend efficiency analysis NA				General operations													
Other	Emergency Planning & Preparedness	7.3.9.1.	Adequate and trained workforce for service DEP-2 restoration	2018	This activity was not included in SCE's WMPMA 2018 GRC, but is included in its pending	Exceeding compliance with regulations GO 166	NA			\$	616	14,000		\$	2,545	14,000		\$ 1	957	14,000
Other	Emergency Planning & Preparedness		Community outreach, public awareness, and NA communications efforts		2021 GRC.		General operations													
Other Other	Emergency Planning & Preparedness Emergency Planning & Preparedness	7.3.9.4.	Customer support in emergencies NA Disaster and emergency preparedness plan NA				General operations General operations													
Other	Emergency Planning & Preparedness	7.3.9.5.	Preparedness and planning for service NA restoration	2018	This activity was not included in SCE's GSRPBA 2018 GRC, but is included in its pending 2021 GRC.	Exceeding compliance with regulations	NA			\$	5,328	14,000	\$	200\$	11,568	14,000	\$	600 \$ 11,	9/1	14,000
Other	Emergency Planning & Preparedness		Protocols in place to learn from wildfire events NA				General operations													
Other	Stakeholder Cooperation & Communit Engagement	y 7.3.10.1.1	Community engagement DEP-1.2	2018	This activity was not included in SCE's GSRPBA 2018 GRC, but is included in its pending 2021 GRC.	Exceeding compliance with regulations R-1812005	NA	# of meetings		\$	142		9	\$	110		18	\$	110	18
Other	Stakeholder Cooperation & Communit	y 7.3.10.1.3	Community engagement DEP-1.3	2018	This activity was not included in SCE's FRMMA; GSRPBA	Exceeding compliance with regulations R-1812005	NA NA			\$	1,655	14,000		\$	3,821	14,000		\$ 3	904	14,000
	Engagement				2018 GRC, but is included in its pending 2021 GRC.															
Other	Stakeholder Cooperation & Communit Engagement	y 7.3.10.1.4	Community engagement DEP-4	2018	This activity was not included in SCE's FRMMA 2018 GRC, but is included in its pending	Exceeding compliance with regulations	NA	# of surveys					5	\$	1,434		4	\$ 1	465	3
Other	Stakeholder Cooperation & Communit	y 7.3.10.2	Cooperation and best practice sharing with NA		2025 GHZ, BUT IS INCluded In its pending 2021 GRC.		General operations													
Other	Engagement Stakeholder Cooperation & Communit		agencies outside CA Cooperation with suppression agencies DEP-S		3,306 This activity was not included in SCE's WMPMA	Exceeding compliance with regulations PRC 4292; PRC 4293	NA NA	# of aerial suppression resources		\$	2,158		1	\$	18,000		5	\$ 18,	000	5
Other	Engagement Stakeholder Cooperation & Communit	y 7.3.10.4	Forest service and fuel reduction cooperation NA		2018 GRC, but is included in its pending 2021 GRC.		General operations													
Other	Engagement	7.1.D	and joint roadmap Alternative Technologies NA	2018	This activity was not included in SCE's GSRPBA; WMPMA	Exceeding compliance with regulations	NA		SCE has included costs \$	1,855 \$	159	14,000	\$	8,357		14,000	\$	1,546		14,000
					2018 GRC, but is included in its pending 2021 GRC.				related to alternative technology projects described in Section 7.1.D.											