

Wildfire Mitigation Advisory Committee Meeting

March 19, 2024

CAL FIRE – Office of the State Fire Marshal





Roll Call

Welcome!

- If you have technical difficulties during this meeting, please contact Carrie Lewis at:
 - (916) 980-9352 or <u>carrie.lewis@fire.ca.gov</u>

Roll Call / Quorum Established



Approval of Past Meeting Minutes (February)

Scan the QR Code Below to Access the Complete Meeting Minutes Document!



WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING Meeting Minutes – Tuesday, February 19, 2024 Posted: March 6, 2024

Committee Members Present In-Person

Anale Burlew, Department of Forestry and Fire Protection Brian Newman-Lindsay, Department of Conservation Daniel Berlant, CAL FIRE – Office of the State Fire Marshal Caroline Thomas Jacobs, Office of Energy Infrastructure Safety (Virtual) J. Lopez, State Board of Forestry and Fire Protection Deborah Halberstadt, California Department of Insurance (Virtual) Michael Maguire, Office of Planning and Research Nick Cammarota, Representative from the Building Industry Staci Heaton, Rural County Representatives of California Sean McGlynn, League of California Cities Steve Hawks, Retired Annuitant Jacy Hyde, California Fire Safe Council

Committee Members Present Via Zoom

Todd Lando, Local Fire Service Representative Sophia Lemmo, California Association of Resource Conservation Districs Roy Wright, Insurance Institute for Business & Home Safety Clay Kerchof, Department of Housing and Community Development Roy Wright, Insurance Industry Lenya N. Quinn-Davidson, University of California Cooperative Extension Don Hankins, Professor, CSU Chico

Members Absent

Catherine Freeman, California State Association of Counties Nancy Ward, Office of Emergency Services Yana Valachovic, California Fire Science Consortium Samuel Assefa, State Planning and Research

CAL FIRE Staff in Attendance

Wendy Collins, Assistant State Fire Marshal Frank Bigelow, Deputy Director Andrew Henning, Assistant Deputy Director Jim McDougald, Staff Chief Matt Damon, Staff Chief Crystal Sujeski, Staff Chief Heather McCulley, Assistant Chief (Virtual) John Morgan, Staff Chief Dennis O'Neil, Assistant Chief (Virtual) Gene Potkey, Assistant Chief (Virtual) Shane Galvez, Battalion Chief (Virtual) Carmel Barnhart, Deputy Chief (Virtual) Scott Witt, Deputy Chief (Virtual) Justine Grafton, Staff Services Analyst (Virtual) Page 1 of 8 CAL

Approval of Meeting Agenda

Scan the QR Code Below to Access the Complete Meeting Agenda Document!



WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING Meeting Agenda – Tuesday, March 19, 2024, 1:00 PM – 3:00 PM Posted: 3/8/24

Location:

CNRA Building, 715 P Street, 2nd Floor Conference Room 2-302 (A/B) Sacramento, CA 95814

Zoom Meeting Information – Please click the link below to join the webinar: https://us06web.zoom.us/i/851924234892pwd=dnZYaUhXVFliUTFmT21nMzJYYVIxQT09 Passcode: 462073

1. CALL TO ORDER

- A. Welcome
- B. Roll Call/Quorum Established
- C. Approval of Past Meeting Minutes February 20, 2024
- D. Approval of Agenda March 19, 2024

2. UPDATES

- A. Division Report
- B. California Wildfire Mitigation Program (CWMP) Report
- C. Board of Forestry and Fire Protection Update

3. PRESENTATIONS

- 2023 PG&E Powerline Ignition Trends, Pacific Gas & Electric
- Ignition Trends and Wildfire Mitigation Efforts Update, San Diego Gas & Electric
- Ignition Trends and Wildfire Mitigation Efforts Update, Southern California Edison

4. ROUNDTABLE

5. PUBLIC COMMENT

6. UPCOMING MEETING DATES FOR 2024

- A. Third Tuesday of each month from 1:00-3:00 PM
- B. April 16, 2024
 - CNRA Building, 715 P Street, 2nd Floor Conference Room 2-221, Sacramento, CA 95814

7. MEETING ADJOURNMENT

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Community Wildfire Preparedness and Mitigation Division Report





Home Hardening

- Collaboration with CalOES is ongoing for the California Wildfire Mitigation Program including the preparation for work to begin on the first structure to be retrofitted by North Coast Opportunities in Lake County.
- Conducted the classroom portion of our CWMP DSI/HIZ training for the Shasta and North Coast Opportunities personnel. Field days are scheduled for 3/20 in Shasta and 3/21 in Lake County.





Defensible Space

- 6 Local government agencies have requested Model Defensible Space Program (Government Code 51189(d)(1).
- Qualified Entity training concluded with El Dorado County Fire Safe Council's pilot program.
- Statewide SRA Total for Fiscal Year-To-Date 2023-2024:
 - 185,077 inspections completed, 74% of the 250,000 Goal



Utility Wildfire Mitigation Program

- Continuing to review and update the Powerline Field Guide
- PRC 4292/4293 Statistical data sampling review is continuing
- Collaboration with Power Pro's to assist with the training curriculum on powerline identification, safety and PRC 4292/4293





Burn Permits

- Statewide SRA Fiscal Year-To-Date 2023-2024:
 - 49,382 requested 44,931 issued
 - 96,033 issued since the January 3, 2023 launch



Fire Prevention Efforts FY 23/24

- ► Fuel Reduction Projects:
 - 570 projects, 114% of the goal
- Combined Fuel Reduction:
 - 54,946.9 acres treated, 54.9% of the goal
 - Unit Projects 29,983.2 acres
 - Northern Region: 19,102.5 acres
 - Southern Region: 10, 880.7 acres
 - Grant Projects: 20,672.3 acres
 - CFIP Projects: 4,291.4 acres
- Prescribed Fire (also counted in fuel reduction):
 - 22,054.8 acres treated, 44.1% of the goal



Wildland Fuels Reduction Reporting

- Completed annual request for prescribed fire perimeters for FRAP.
- Continued development of CalMAPPER V4.
- Quarterly QA/QC starting this week to be completed April 8th
 - Update fiscal year reports.



Fire Hazard Severity Zones

- State Responsibility Area Map to take effect April 1, 2024
- Map and GIS data at <u>Fire Hazard</u> <u>Severity Zones | OSFM (ca.gov)</u>



Pre-Fire Planning

- Completed Review of the Western States Forest Manager (WSFM) WUI Grant and federal Community Wildfire Defense Grants (CWDG).
- California has submitted two WSFM grants form Placer County, and 70 CWDG across the state, totaling a request of \$170m+.
- Beginning the State Responsibility Area 5-year review to be completed July 1, 2025.



CalStats

- Provided feedback on NERIS (National Emergency Response Information System) Framework and Data Schemas.
- Finalizing incident data and wildland fire perimeter data to begin development of the 2023 Wildfire Activities Statistics Report (Red Book).



Land Use Planning

- Ongoing work with local jurisdictions on Safety Elements and Subdivision review (SDR) program
 - At this month's Resource Protection Committee (RPC) meeting, El Dorado County Safety Element and Marin County SDR surveys were presented to the Board.
 - Currently submitted for Board review: City of Monterey, City of Chula Vista, and the City of Irvine.



National Fire Protection Association Firewise USA

- Staff continue to provide communities assistance throughout the state with the application process.
- Currently 790 communities in good standing.
- Staff currently working on over 50 NEW applications.
- 800th Community to be determined soon.



Subdivision Review

- Staff continue doing Fire Safety Surveys throughout the state as jurisdictions assist us with local identification.
- Current Fire Safety Survey areas: San Bernadino, Ventura, Inyo, Mono, Plumas, Sierra, Shasta, Siskiyou, and Modoc Counties.
- Once completed, these surveys will be presented at the closest month RPC meeting.



Local Planner Training

- Introduction to Land Use Planning for Wildfires in California course:
 - Registration now open for at least 4 more training dates in 2024
 - Register at
 <u>www.communitywildfire.org/trainings</u>
 - Trainings held recently on 3/12 in Santa Rosa and on 3/14 in Morgan Hill
 - Next class will be Tahoe City on 4/25 and Redding on 4/30



Wildfire Prevention Grants Program

- FY 2023-24 Wildfire Prevention Grants Solicitation closed on January 10, 2024.
- We received 224 applications requesting \$254.2 million in funding.
- Announcements are expected to be announced in Summer 2024.

Use the QR code below to visit the Grants Website! www.fire.ca.gov/what-we-do/grants/wildfire-prevention-grants



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- North Coast Opportunities (NCO) in Lake County:
 - FEMA Award: 3/17/2023, Revised Award: 8/15/2023
 - First property received 7 bids; 4 D space only;
 3 are comprehensive Home hardening and D Space
 - The winning bid is \$34,000
 - Comprehensive bids ranged from \$31-\$100K
 - NCO is bringing on three new property assessors
 - Assessor Training Class scheduled for March 14-21
 - Shasta County Fire Safe Council (FSC):
 - First property (CWMPA-000033) has received three quotes ranging from \$46-58k
 - Three current assessor(s) on staff. Three more to be trained in upcoming Assessor Training scheduled for March 15-20

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- San Diego County Fire Department
 - FEMA Award: 8/29/23
 - Out of 8 SOW, 4 SOW went to EHP Phase II review assessor training
 - One current Assessor on staff. Additional staff trained in February
 - 7 County Prevention Specialists (will be assisting with assessments)
 - 5 County Building Inspectors for permitting purposes
 - 3 San Diego Fire Department Personnel (observers)



Tuolumne County

- FEMA Award: 6/22/23
- Phase I work with FEMA for the previous projects (Shasta, Lake, and San Diego) streamlines the FEMA approval process. The new process and lessons learned are expected to expedite the completion of Phase I for Tuolumne County
- Phase I EHP vendor has been working on EHP
 Phase I deliverables since mid-December
 - SMEs met with FEMA on February 7
 - EHP Phase I is proceeding as expected
 - EHP Phase I is expected to take 6-9 months from the beginning of SME work
- Community update will be provided by county staff, CWMP, and CAL FIRE in April

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- El Dorado County
 - FEMA Award: 6/29/23
 - Phase I work with FEMA for the previous projects (Shasta, Lake, and San Diego) streamlines the FEMA approval process. The new process and lessons learned are expected to expedite the completion of Phase I for El Dorado County
 - The county is reviewing bids and will choose
 a winning vendor this month
- Shasta Valley Resource Conservation District (SVRCD) in Siskiuyou County
 - Award: 5/1/23
 - 29 applications received to date
 - 10 contractors on pre-qualified list
 - Scope of work procedures in development
 - Bid form in development
 - 3 assessors currently on staff. More to be trained in upcoming Assessor Training Class in mid-Spring

Board of Forestry and Fire Protection Report

Board of Forestry and Fire Protection Report

- Presentation
 - CAL FIRE Strategic Plan Update
- Management Committee Meeting
 - Utility Right of Way Exemption Amendments
 - <u>https://bof.fire.ca.gov/business/</u>

Forest Practice Committee Meeting

- Discussion on Vegetation and Fuels Treatment in the Watercourse and Lake Protection Zones (WLPZs)
- Dead, Dying, and Diseased Exemption Acreage Amendments under 1038(d)
- Forest Fire Prevention Exemption Amendments
 under 1038.3

Resource Protection Committee Meeting

- Land Use Planning Program Update
 - Subdivision Review Program Update
 - Marin County
 - Safety Element Reviews
 - El Dorado County

2023 PG&E Powerline Ignition Trends PG&E

Pacific Gas and Electric Company

Wildfire Mitigation Advisory Committee Monthly Meeting

March 19, 2024





1 Evolving Wildfire Risk and Mitigation Strategies

2 Ignition Analysis Program





Nick Babb Senior Manager, Wildfire Risk Management

Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further risk of wildfires.

Evolving Wildfire Risk and Mitigation Strategies



Why we are here: Catastrophic Wildfire History



Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

Acres Burned
 Structures Impacted

32

By The Numbers

16M PEOPLE SERVED



4.5M gas accounts

70,000 SQUARE MILE SERVICE AREA

106,700 circuit miles of electric distribution lines

42,100 miles of natural gas distribution pipeline



Data is approximate

Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.



Focusing on Where and When The Risk is Present



PG&E's Fire Potential Index (FPI)

helps us identify wildfire risk by measuring:







Topography



FPI is calculated each day using:

Over 8 billion data points leveraging advanced artificial intelligence and machine learning models



2x2 km grid cells across the entirety of our high-fire risk areas



129-hour look-ahead, rolling forecast

Implementing Layers of Protection



Building on Layers of Wildfire Protection

PG<mark>&</mark>E

	2017 and prior	2018	2019	2020	2021	2022	2023	2024	2025
Resiliency Work	Transmission and Distribution Vegetation Management Programs								
					EVM		Focused Tree Inspection		
							-	Free Removal Inventory	
							VM	for Operational Mitigati	ons
	System	n Hardening p	rimarily focused	on Overhead		System Hardening focused on UG			
	Fire Ignition Component Replacement								
Operational Mitigations						Public Safety Power Sh	utoffs		
				Enhanced Powerline S	ofaty Sattings				
		Enhancements to operational miti					Destial Valuese Detection		
					s to itigations		Partial Voltage Detection		
							LOW C	urrent Fault Detection (DCD)
Inspections	Enhanced Inspections and Repairs								
Asset Tags				Driori	tizing and add	rossing bazards in high f	iro risk aroas		
	Prioritizing and addressing nazards in high fire-risk areas								
T	ne above program	ns collectively r	educe >90% of	wildfire risk, by	the end of 202	3 we expected to reduce	e >94%	Building on >94% w	vildfire risk reduction
Situational Awareness	Weather Stations, High-Definition Cameras and Satellite Detection of Fire								
		Sophisticated Operational and Planning Risk Models							
							Catastrophic Fire Behavior Modeling		

Artificial Intelligence Cameras

PG&E has a network of 600+ cameras that give us the ability to monitor and respond to wildfires across our service area.

To further our situational awareness capabilities, we installed AI on all these cameras. This capability allows integration with our Hazard Awareness and Warning Center (HAWC) and the CAL FIRE dispatch center, allowing suppression resources to be mobilized within one minute of an ignition.

Simulation of 9/25/2023 Ignition



On September 25th 2023, a camera identified a PG&E facility ignition.

Had the wildfire cameras not been in place, the ignition could have spread and damaged nearby areas.

Hours without Suppression	Acres	Buildings Impacted
1	8	0
4	10	0
8	462	9

Each day, our Protection Engineering team reviews EPSS outages on DCD enabled devices and assesses device performance for potential DCD-related tripping.

- Decision making due to detailed real-time and post event analysis of DCD outages.
- Oscillography events are reviewed for potential triggers indicating a high impedance ground fault.
- Refine strategies and response measures based on learning from DCD outage events.



PG&E's most important responsibility is the safety of our customers and the communities we serve.

Transmission Pole Clearing

What is it?

PG&E performs removal of vegetation around select transmission and distribution poles and towers in accordance with PRC Section 4292, to maintain a firebreak of at least 10 feet in radius (out from the pole) and 8 feet up from the ground.

Where is this work performed?

These requirements apply in the state responsibility area during designated fire season.

2023 WMP Target

Inspect, clear, and maintain, where clearing is necessary, 77,503 poles

This important safety work includes:



Removing all flammable material and vegetation in a **10-foot** radius around the base of the pole or tower

 \bigcirc

Removing brush, limbs and foliage **up to eight feet above the ground**

Removing all dead, dying, diseased or dried vegetation from eight feet above the ground to the top of the power lines

EXAMPLE OF POLE CLEARING AND VEGETATION CONTROL WORK





PG&E's most important responsibility is the safety of our customers and the communities we serve.

Transmission Splice Shunts

What is it?

Shunt splice installation serves as a short-term mitigation by installing a splice shunt on top of an existing splice that have been identified as having a higher risk of failure. This installation eliminates the splice as a single point of failure, as a failure of the original splice would not result in down conductor.

Where is this work performed?

On identified transmission lines in high fire risk areas with existing high-risk splices and no near-term transmission line rebuild project

2023 WMP Target

Install shunt splices on 20 transmission lines



Photo c/o Preformed Line Products

Measuring Progress



Reducing Ignitions Where and When they Matter

We track and analyze California Public Utilities Commission (CPUC) reportable fire ignitions (RFI) in R3+ conditions to assess whether our mitigation efforts are working and where we can improve.

Cumulative CPUC-Reportable Ignitions in High Fire Threat Districts and High Fire Risk Areas



- 1. Based on a comparison in the Utility's GRC testimony of the wildfire risk score for a baseline risk level to a risk level reflecting the Utility's mitigation work. Risk scores are calculated using the scoring methodology established by the CPUC in the Safety Model Assessment Proceeding, which reflects the frequency with which various risks are expected to occur and the potential safety, reliability, and financial impacts of varying degrees of wildfire severity.
- 2. A reportable fire incident per Decision 14-02-015 is a fire event that meets the following criteria: ignition is associated with the Utility's power lines (either transmission or distribution), something other than the Utility's facilities burned, and the resulting fire travelled more than one meter from the ignition point.

Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

New Weather-Normalized Metric

To better measure of success for wildfire reduction work, we are transitioning to a new weather normalized ignition metric that addresses the gaps between the CPUC's RFI and Wildfire Risk Reduction.

High Fire Threat Districts and High Fire Risk Areas Weather-Normalized Ignition Rates R3+ per 100k Circuit Mile Days





The metric measures the rate of ignition incidents occurring in high-risk weather conditions in High Fire Threat Districts/High Fire Risk Areas normalized by 100,000 circuit miles.

- Reported as a rolling metric over 365 days.
- Accounts for the year-over-year weather variability as reflected in FPI.
- Aligned with the wildfire risk reduction mitigations.

- 1. Based on a comparison in the Utility's GRC testimony of the wildfire risk score for a baseline risk level to a risk level reflecting the Utility's mitigation work. Risk scores are calculated using the scoring methodology established by the CPUC in the Safety Model Assessment Proceeding, which reflects the frequency with which various risks are expected to occur and the potential safety, reliability, and financial impacts of varying degrees of wildfire severity.
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Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

Thank You



Ignition Trends & Wildfire Mitigation Efforts San Diego Gas & Electric





Ignition Trends and Wildfire Mitigation Update

Shaun Gahagan, WMP Program Manager



Ignition Trends

Total Reportable Ignitions





2023 IGNITIONS

- 16 CPUC reportable ignitions a record low
- 20.75 acres burned an average of 1.3 acres per ignitions



WILDFIRE DETECTION AND SUPPRESSION

 >95% of all wildfire ignitions are held to below 10 acres due to detection & aggressive air response

Ignition Management Program

- **29** Notifications made to Energy Safety in 2023
- Follow-up fact finding performed on all SDG&E related ignitions
- **859** evidence of heat reports since 2019



SDGE[®]

Wildfire Mitigation - Operations

March 11, 2024



Global Leader in Wildfire Mitigation



without a large utilityrelated wildfire 100% RISK

Industry-leading risk models informing grid hardening investments



Began wildfire mitigation work in 2008 on transmission lines & 2013 on distribution lines

SDG&E has seen major risk reductions since 2007 through infrastructure modernization & operational enhancements with additional mitigation plans to continue through 2032



Hierarchy of Control







Where We Are Going – Grid Hardening



TOTAL

370 miles of Covered Conductor 1500 miles UG

HFTD Hardening	YTD 2022	2032
Undergrounding	2,735 miles (44%)	4,235 miles (65%)
Covered Conductor	47 miles (<1%)	392 miles (6%)
Trad Hardening	900 miles (15%)	570 miles (9%)
Unhardened	2,490 miles (40%)	1,275 miles (20%)

Industry-Leading

- Helps reduce wildfire risk at a greater rate
- Supports reduction of PSPS impacts & risks to customers
- **80 miles of distribution lines** were undergrounded in the High Fire Threat District between 2020 & 2022
- All 1040 miles of transmission lines within HFTD will be hardened by 2026

Added Benefits

- **Increased resilience** to all climate-induced hazards, including extreme rainfall & tropical cyclones
- Decreased maintenance and operational costs through less vegetation management & fewer inspections.



Targeted Risk Reduction

Latest undergrounding scope enhancements are optimized to expedite both reductions in the highest wildfire & the need for frequent PSPS amidst worsening climate conditions.

80,000 **Focused PSPS reduction Focused Grid Hardening** Most frequently impacted PSPS circuits* Highest risk circuits (top 30%) are 70,000 are directly targeted by increased directly targeted by increased undergrounding strategy undergrounding strategy 60,000 50,000 40,000 30,000 93% 20,000 **REDUCTION IN PSPS FOR** 10.000 FREQUENTLY IMPACTED CIRCUITS COMPLETE BY 2032 0 2023 2024 2025 2028 2029 2030 2026 2027 2031 2032 Customers Prone to PSPS

Customers Prone to PSPS





90+%

RISK REDUCTION FOR

HIGHEST RISK CIRCUITS

COMPLETE BY

2027

Thank You.



Wildfire Innovation + Technology

Technology and Innovation are foundational to SDGE's wildfire mitigation program.



Situational Awareness

- Expanding AI applications across weather networks, cameras, and satellite
- Data scientists are enhancing industry-leading wildfire risk modeling, informing hardening strategy (Climate Change, Social Vulnerability)
- Drone inspections completed for high-risk areas, including Rancho Santa Fe

Engineering & Operations

- Re-engineering system undergrounding to reduce costs
- Optimizing inspections and vegetation management through a risk-informed approach
- Driving edge-computing capabilities with falling conductor protection, high-speed relays & private LTE
- Enhanced fuel management to mitigate fire growth, including fuel breaks, goat grazing and fire retardants along egress routes
- More aerial firefighting resources available in San Diego County than any other county in California



Stakeholder Education and Outreach

- Operation Megaphone: enables communicating with all customers in one hour
- Redefining community engagement in our Wildfire and Climate Resilience Center
- Launched an award-winning application to keep community stakeholders informed during emergencies





Wildfire Innovation By The Numbers



computing hours per year to support resilience to extreme weather



>95% Of all wildfire ignitions are held to below 10 acres due to aggressive air response

COMMUNITY + CUSTOMER SOLUTIONS

40K

Access and functional needs customers supported through award-winning applications and generator programs

WEATHER FORECASTING >1 billion

Historical weather observations training AI-based wind forecasting models

system hardening 100%

Of transmission system hardening in Tier 3 of the High Fire Threat District

CUSTOMER NOTIFICATIONS 1.4 million



Customers can be contacted per hour

WILDFIRE RISK MODELING >10 million

Wildfire simulations conducted daily to inform operational wildfire risk models



Images taken for all poles and structures training AI-based inspection models

GENERATOR PROGRAMS

7,800

Generators given to customers in need to increase resilience



Ignition Trends & Wildfire Mitigation Efforts Southern California Edison





Wildfire Mitigation Advisory Committee March 19, 2024 Ray Fugere, Director Wildfire Safety Asset Strategy & Planning

IGNITION TRENDS AND WILDFIRE MITIGATION EFFORTS UPDATE



SCE SERVICE AREA & HIGH FIRE RISK AREAS



50,000 SQ. MI.

of SCE service area across southern, central and coastal California

14,000 SQ. MI. of high fire risk areas



51,000 MI. of SCE overhead distribution and transmission lines

14,000 MI. in high fire risk areas

Counties with high fire risk area served by SCE

Fresno Inyo Kern Los Angeles Mono Orange Riverside San Bernardino Santa Barbara Tulare Ventura

5M custo or 15

Counties with no

or limited high

fire risk areas

served by SCE

customer accounts or 15M residents in SCE's service area

1.3M

customer accounts or 3.9M residents served by circuits in high fire risk areas

1.4M power poles and towers

Imperial

Madera

Tuolumne

Kings

311,000 in high fire risk areas



OUR WILDFIRE MITIGATION PLAN

- 2023-25 Wildfire Mitigation Plan (WMP) submitted on March 27, 2023. 2025 WMP Update to be submitted on April 2, 2024
- Primary objective is to protect public safety
- SCE is further hardening its infrastructure, bolstering situational awareness capabilities, enhancing operational practices and harnessing the power of data and technology
- SCE incorporates advanced mitigation measures deployed in high fire risk areas around the world



SOUTHERN CALIFORN

ACRES BURNED HAS STEADILY INCREASED THROUGHOUT THE PAST 40 YEARS IN CALIFORNIA



SCE HAS SEEN A STEADY DECREASE IN CPUC REPORTABLE FIRES IN HIGH FIRE RISK AREAS



CPUC reportable ignitions have been steadily decreasing since SCE started implementing its wildfire mitigation programs.

ACRES BURNED HAS BEEN DESCREASING IN SCE SERVICE AREA



BUILDINGS DAMAGED/DESTROYED HAS BEEN DESCREASING IN SCE SERVICE AREA



SCE HAS REDUCED THE PROBABILITY OF CATASTROPHIC WILDFIRES ASSOCIATED WITH ITS EQUIPMENT BY ABOUT 85-88% SINCE 2018



- 2. Measured by average monthly tree caused circuit interruptions in HFRA in 2021–2023 compared to the average from 2017-2019. In 2023, Southern California experienced significant impacts from seasonal rain and snowfall (e.g., Hurricane Hilary), which led to an increase of storm-related tree-caused circuit interruptions in 2023
- 3. Measured as Total Defect Find Rate of Top Ignition Drivers (% of inspections) in 2023 as compared to 2019 (inception of program) for structures inspected every year. Southern California experienced significant impacts from seasonal rain and snowfall (e.g., Hurricane Hilary), which led to an increase of defect find rates in 2023
- 4. ~22 million customer minutes of interruption in 2023 compared to ~268 million in 2020, not normalized for weather

SCE MAINTAINS FOUNDATIONAL STRATEGY WHILE ADVANCING KEY INCREMENTAL FOCUS AREAS EACH YEAR

2019	2020 - 2022	2023-2025	
FOUNDATIONAL STRATEGY	GRANULAR WILDFIRE RISK, PSPS MITIGATION	INTEGRATED WILDFIRE MITIGATION STRATEGY	
Hardening the electric grid Enhancing operational practices Bolstering situational awareness capabilities	Refined risk analysis models Enhanced inspection strategy Reduced PSPS impacts Funded aerial fire suppression Piloted new technologies	Continue risk-informed grid hardening and mitigations Advance transmission hardening Continue reducing PSPS impacts Further advance new technologies	

Learn More: sce.com/wildfire

Energized by Edison Stories & Videos: edison.com/wildfire-safety



Roundtable / Public Comment

- Roundtable
- Public Comment





Next Meeting Information

April 16, 2024

CNRA Building, 715 P Street 2nd Floor Conference Room 2-221 Sacramento, CA 95814

- RCD Post Fire Handbook California Association of Resource Conservation Districts (CARCD)
- Conflagration Data and Lahaina Report on surviving homes – Institute for Business & Home Safety
- Wildfire and Forest Resilience Task Force Group 2, Fire Adapted Communities Roadmap and Dashboard: Baseline Assessment document – Institute for Business and Home Safety, Ascent, The Watershed Center





Meeting Adjournment

- Copies of the written materials have been posted on the Office of the State Fire Marshal web site at https://osfm.fire.ca.gov/
- For information concerning the Advisory Committee Meeting, please contact Carrie Lewis at (916) 980-9352 or <u>carrie.lewis@fire.ca.gov</u>.
- NOTE: Items designated for information are appropriate for committee action if the committee chooses to act. The agenda order is tentative and subject to change. Agenda items may be taken out of order to facilitate the effective transaction of business. The Committee may not discuss or act on any matter raised during the public forum period, except to decide whether to place the matter on the notice and agenda of a future committee meeting.

