

Interagency Annual Public Briefing on Safety Culture and Public Safety Power Shutoffs (PSPS)

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Energy for What's Ahead®



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Safety and Continuous Improvement are Foundational

We Have Made Progress...

- Strengthened safety governance and accountability since AB 1054 enacted
- Reduced wildfire risk through hardening, technology, and operational improvements
- Enhanced how we support customers before, during, and after PSPS events

...And We Remain Focused on Improving

- Learning from customers, employees, communities, peers, and regulators
- Identifying opportunities to improve safety, reliability, and affordability
- Turning feedback into action through governance, accountability, and continuous assessment

Since AB 1054, SCE Continues to Mature Its Safety Governance

Compliance-oriented safety oversight



Integrated safety governance and risk management

WHAT WE HAVE CHANGED

- **Strengthened Board and Safety & Operations Committee (SOC) Oversight**
- **Implemented Safety Management Systems (SMS)**
- **Increased use of data, analytics, and digital safety management tools**
- **Adopted measurable safety culture objectives, assessments and maturity model tracking**
- **Expanded executive accountability through field engagement and follow-up processes**

ORGANIZATIONAL UPDATES

- ✓ **Created Safety System & Transformation function**
- ✓ **Established Wildfire and Business Resiliency function**
- ✓ **Strengthened Executive Safety Council and Senior Safety Council governance forums**
- ✓ **Integrated safety culture assessments, risk insights, Safety Work Plan into leadership decision-making**

HOW WE ASSESS PROGRESS

- ✓ **Safety Culture Assessments and maturity tracking**
- ✓ **Employee, customer, and stakeholder feedback**
- ✓ **SMS risk identification, mitigation and QA/QC tracking**
- ✓ **Safety Work Plan accountability reviews**
- ✓ **Performance indicators and trend monitoring**
- ✓ **Executive and Board review forums**

Customer Feedback Informs Leadership Action

HOW WE LISTEN

- ✓ Voice of Customer surveys
- ✓ Community meetings
- ✓ PSPS event feedback
- ✓ Customer service interactions
- ✓ Agency input
- ✓ Local and Tribal government engagement
- ✓ Rebuild and recovery outreach (e.g., Altadena)



HOW LEADERSHIP REVIEWS

- ✓ Customer experience dashboards
- ✓ Executive reviews and governance forums
- ✓ PSPS operational reviews (before, during, after PSPS events; through recurring governance process)
- ✓ Cross-functional risk discussions
- ✓ Safety & Operations Committee oversight



FEEDBACK DRIVES ACTION

- ✓ Enhanced PSPS outreach and customer support
- ✓ Improvements to PSPS notification practices
- ✓ Refined operating protocols and field coordination
- ✓ Input to wildfire mitigation and grid hardening priorities
- ✓ Altadena Rebuild & Community Hub



Customer feedback is elevated through executive and Board governance processes and incorporated into operational, strategic, and safety decisions

Leadership Action in Response to Customer Feedback

Altadena Rebuild & Community Hub (ARCH)

- Established in response to customer feedback, and informed by lessons learned from Hawaii Electric's Maui recovery efforts
- SCE workers from Customer Service and Operations co-located to provide one-on-one assistance to customers



- Helps customers navigate service restoration, meter and panel upgrades, rebuild planning, undergrounding questions, and billing and account support
- 6,000+ homes perished in the Eaton fire, 135 have been rebuilt and almost 2,000 are under construction today
- This was possible due to ARCH, the Wildfire Compensation Fund, and partners such as LA County

Employee Feedback Drives Continuous Improvement

Balancing Confidence in Capability with Need to Continuously Improve

- **Recognizing and celebrate people making safety better every day.** Safety Honor Awards and Safety Triple Crown Awards highlight those who identify risks, improve processes, mentor, and strengthen culture
- **Seeking improvement demonstrates confidence.** We trust our employees' expertise and ask them to help us continually get better
- **Empowering employees to speak up.** Safety Dialogues, SMS Risk Input Sessions, and feedback channels ensure employee ideas inform decisions and drive operational improvements
- **Focusing on learning and stewardship.** Safety is never “finished” -- Every improvement helps protect coworkers, customers, and communities

Ongoing Employee Engagement Following Major Events (e.g., January 2025 fires and windstorms)

- Addressing concerns about situational awareness during multiple concurrent events across service area
- Understanding challenges when multiple Incident Management Teams are competing for resources
- Minimizing customer impacts during events, such as missed notifications for PSPS events

Employee Innovation Driving Customer Benefits

Accelerating Targeted Undergrounding (TUG) and Innovation in Altadena

- SCE employees identified opportunities to streamline design, permitting, and construction processes while maintaining safety standards
- Accelerated the first TUG section on the Gorge circuit, energizing 2.7 miles in 9 months, compared with a typical timeline of 3-5 years
- That work strengthened resilience in a high fire risk area, and reduces the potential for PSPS
- Los Angeles County agreed to extend successful Malibu and TUG permitting provisions to Altadena Rebuild
- SCE is also incorporating overhead service drop breakaways as a cost-effective solution to reduce wildfire risk while minimizing customer impacts



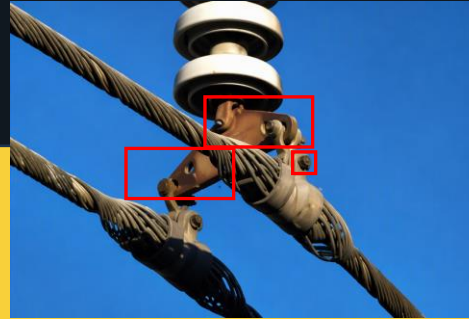
Recent Technology Advancements Supporting Safety

Aerial Drones



- BVLOS¹ enables drone operations in hilly terrain and at night (19 Troublemens BVLOS-certified with ~50 pursuing training)
- Autonomous “drone-in-a-box” systems can be deployed remotely from substations without a pilot (2 systems deployed and 3 planned)
- Safer, more efficient inspections and PSPS patrols, improve situational awareness, enabling faster identification of field conditions

CV Models and LiDAR²



- Computer Vision (CV) models analyze inspection images and identify asset conditions and hazards—such as corrosion, damaged hardware, and missing components
- LiDAR helps identify potential conductor-building clearance nonconformances systemwide
- Earlier intervention, reduced wildfire and reliability risk, and more cost-effective, risk-informed asset management decisions

Crash Cushions



- Installing crash-cushions for poles in areas that have repeated pole collisions
- Pole cushions absorb and spread out the force of impact — an effect that could improve survival outcomes for the car’s occupants and increase the likelihood of a pole staying upright after a crash
- Reduced chance of downed power lines or other unsafe impacts to the public

¹ BVLOS = Beyond Visual Line of Sight

² LiDAR = Light Detection And Ranging

We Continue to Harden the Grid in the Highest-Risk Areas



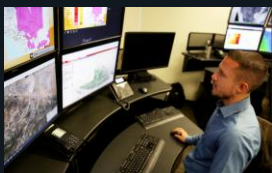
Covered Conductor
7,170+ MILES¹

Targeted Undergrounding
~100 miles since 2021



Vegetation Management
2.3M+ Trims and Removals in HFRA¹

Inspections
1.9M+ in HFRA¹



Situational Awareness
~200 HD Cameras
~2,000 Weather Stations

More than 85% of SCE primary circuit miles in HFRA Tier 3 areas are hardened with covered conductor or are underground



¹ Since 2018 in HFRA and as of June 30, 2026

Focusing on Timely Maintenance in a Risk-Informed Manner

SCE has closed 97% of open notifications that were due between Jan. 2025 and July 2026 through risk-informed process improvements

CHALLENGES DRIVING THE WORKLOAD

- Enhanced inspection process captures more notifications, driving up volume
- Limited staffing / resources at permitting agencies slows process for remediating less urgent notifications (i.e., P2 / P3)
- Third-party delays
- GO95 P3 timelines can create resource-allocation challenges

ACTIONS SPURRING TIMELY REMEDIATION

- Dedicated resources focus on remediating highest-risk notifications
- New procedures improved visibility into notification constraints and improve timeliness of follow up actions
- Centralized dashboard for monitoring and prioritizing open notifications
- Framework helped focus permitting agencies on higher risk notifications

LONG-TERM IMPROVEMENTS

- Restructuring workflows/timelines to improve internal coordination
- Assessing opportunities to mitigate federal resource constraints with Memorandum of Understanding expansion

Updates to PSPS Decision Thresholds

- Fire Potential Index (FPI) considers fuel and weather conditions to inform PSPS decision-making, SCE periodically updates FPI based on actual events and weather and risk model advancements
- 2026 FPI updates: more comprehensive fuels analysis, weather component adjustments, better inclusion of extreme events
- Based on backcast data, certain counties may experience more PSPS events and de-energizations (e.g., Santa Barbara, Kern), while others may see fewer (e.g., Inyo)

Mitigation Measure	Potential Customer Benefit	Risk Context
Increase Forecast Confidence from 25% to 40%	Fewer activation days and fewer notifications to customers that are not de-energized	Increased risk of notifications sent later than prescribed timeframes if weather materializes
Increase Activation Threshold from 1 to 4 Circuits	Fewer nuisance activations and notifications	Risk models support this change, will closely monitor those circuits
Reduce Maximum Windspeed Discounts	Modest reduction in PSPS scope and de-energizations for some areas	De-energization occurs at a higher (i.e., less discounted) wind speed, but still below baseline wind speed thresholds

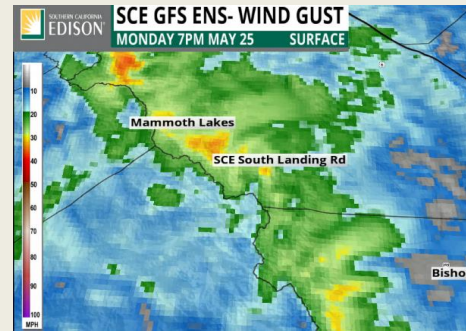
PSPS Action Plan: Listening, Learning, and Improving

Mitigating scope, frequency, and duration of PSPS impacts to customers as safely as possible, while improving outreach, communications, and support for customers and communities throughout PSPS events.

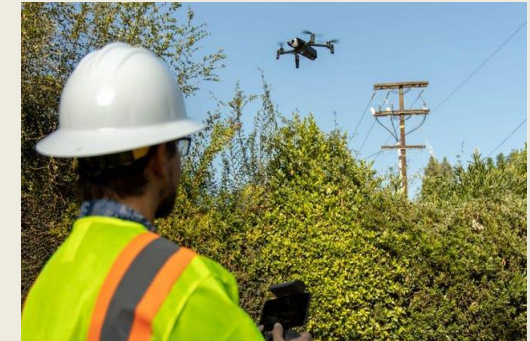
Grid Hardening



Enhanced Forecasting



Technology Pilots



Improved Outreach



Notification Automation



Customer Contact Info



Measuring the Effectiveness of SCE's PSPS Action Plan

Quantitative Assessment

Scope, Frequency, Duration

- Compare key statistics per season before and after implementation of the plan, to be assessed systemwide and on most-impacted circuits.¹ Examples include:
 - Number of activations and de-energizations
 - Number of customers and circuits in scope per activation and de-energization
 - Customer Minutes Interrupted due to PSPS per season
 - Average duration of de-energizations

PSPS Notifications

- Percentage of required notifications that are missed

Qualitative Assessment

- Review of post-event survey results
- Feedback from affected communities and local governments
- Evaluation of complaints
- Joint agency meetings
- Employee feedback



¹ Year over year comparisons may be affected by changes in weather, FPI protocols, or other variables. SCE will try to determine ways to consider this when assessing the above metrics and comparing between years.

Enhanced Outreach to Communities and Local Governments

Building awareness, gathering feedback, and improving PSPS preparedness

HOW WE ENGAGE

PSPS preparedness meetings
Local government coordination
Community outreach events
Tribal engagement
Stakeholder briefings

WHAT WE DISCUSS

Potential PSPS impacts in the community
Available community resources
Planned mitigation in local areas
Actions to reduce PSPS impacts
Emergency preparedness

HOW IT HELPS

Better awareness and preparedness
Improved community resource planning
Local feedback incorporated into planning
Improved customer support during events

In-Event Communication Enhancement

NEW: Government Relations Managers provide targeted PSPS updates to local and tribal elected officials during events, helping ensure critical information comes from a trusted local source

Support for Medical Baseline and Critical Care Customers

- Enhanced outreach to enrolled customers before PSPS events
- Encouragement to maintain backup power and emergency preparedness plans
- Coordination with community partners and local gov'ts regarding support resources
- Community Resource Centers provide charging, information, and other support
- Improved accuracy of contact information and emergency notification enrollment

Building Trust Through Continuous Improvement

- **SCE has strengthened how we listen, learn, and act—connecting customer, employee, agency, and Board feedback to measurable actions and accountability**
- **We have made meaningful progress in governance, wildfire mitigation, PSPS operations, and customer support, but we will never be satisfied and will continue to pursue improvements and reduce risk**
- **Our safety goals are to reduce risk, protect our communities, and earn the public's trust through continuous improvement**



**AVAILABLE FOR
DISCUSSION**

Risk Models Continue to Inform Where We Apply Wildfire Mitigation Measures

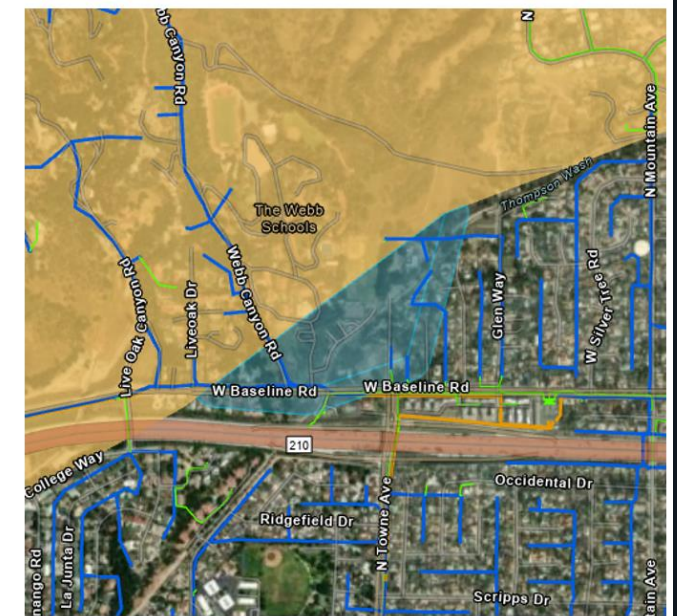
- SCE uses internal wildfire risk models, publicly available data, and the CPUC-defined High-Fire Threat District (HFTD) map
- In November 2024, SCE filed a Petition for Modification (PFM) to update HFTD boundaries by adding 47 areas and removing 61.
 - A Proposed Decision (PD) approving the additions but denying the removals was issued in late July.
- Newly available data supports additional updates to the HFTD map.

Updated models improve identification of wildfire and urban conflagration risk to help target mitigations more effectively

2026 Amendment Example 2 Bordering HFTD FORBES (Claremont)

Google Maps	Link
Reason(s)	Proximity to WUI Heavy Veg Presence of OH assets

■	New Polygon
■	Existing Tier 2 HFTD
■	Existing Tier 3 HFTD
□	OH Lines
□	UG Lines
□	Sub Trans



	HFTD Total Sq. Miles	HFTD as % of SCE Territory
Current HFTD as of 8/20/2026	14,205	27.19%
New HFTD if 7/31/2026 PD Adopted	14,414	27.59%
Delta from Current HFTD to PD	+209	+0.40%
New HFTD if recently identified additions added	14,446	27.65%
Delta from PD to new additions	+32	+0.06%

Bear Valley Electric Service (BVES) Device Coordination Study Status

Current Status

- In late 2025, SCE installed 11 miles of covered conductor on the Zanja supply line, which serves BVES
- Completed device coordination study on July 17 and shared with BVES on July 22

Findings

- Normal operating settings coordinate appropriately
- Fast Curve may affect coordination

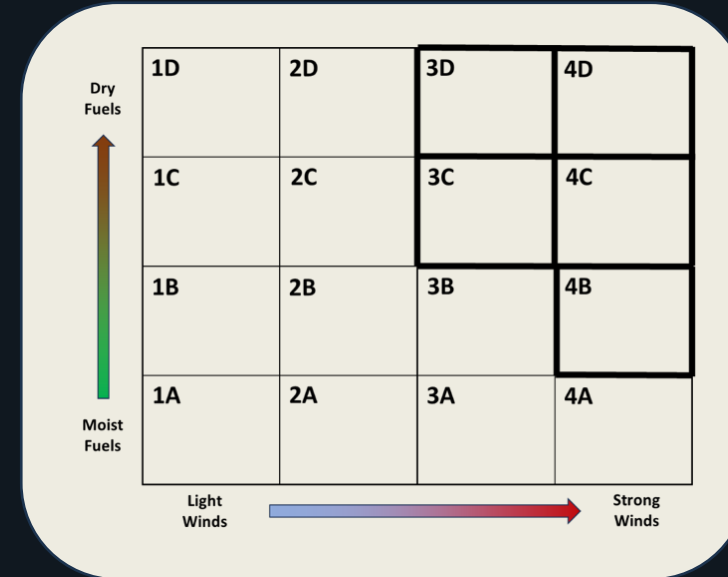
Next Steps

- Continue to evaluate hardening of circuits that feed BVES
- Discuss device coordination if any future system or protection changes are proposed

PSPS Decision-Making Evolves as Risk Models Improve

SCE's FPI considers both fuel and weather conditions to inform PSPS decision-making, along with windspeed. Since 2018, SCE has continued to refine its FPI based on learnings from actual PSPS events and weather conditions. The latest version includes:

- More comprehensive analysis of fuels by incorporating additional fuel moisture inputs to increase accuracy when predicting wildfire risk
- Adjusting weather component based on a three-year collaboration with academic research partners
- Peer-reviewed scientific paper informed fuels component
- Ability to capture extreme events with no cap on the weather component



Based on SCE backcast data, certain counties may experience more PSPS events and de-energizations this year (e.g., Santa Barbara, Kern), while others may see fewer (e.g., Inyo)

Across 93 circuits that may experience increased PSPS impacts in 2026 (compared to the last two years), approximately 152,000 customers could experience shutoffs for the first time since 2023

NOTES:

Backcast is based on forecast data: Aug 1, 2024 – Feb 28, 2026 (excludes January 2025). Actual weather patterns will impact future real-world results.

Statistics derived from raw model output and DO NOT account for forecast adjustments by Weather Services and Fire Sciences

FPI is a probabilistic, forward-looking risk tool; it is not backward-compatible; and backcasting lacks both causal modeling and contemporaneous operational context

PSPS Action Plan: Grid Hardening and Enhanced Weather Forecasting



Grid Hardening

- Harden 22 circuits (~250 miles) that are frequently impacted by PSPS and continue to seek opportunities to expedite hardening
- Increase situational awareness by adding more weather stations and HD Cameras

Anticipated Benefit

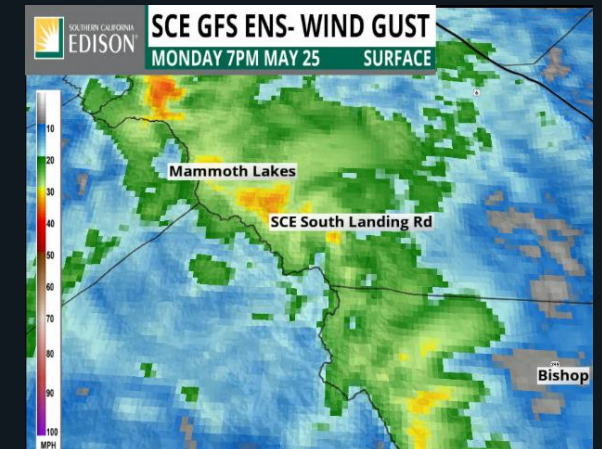
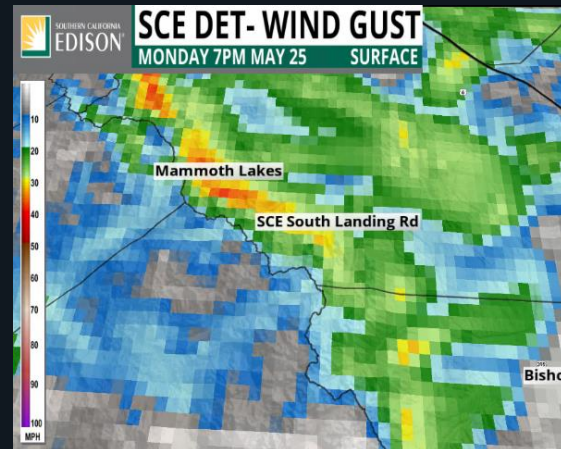
- Higher de-energization thresholds
- Reduced scope and duration of PSPS events
- Better-informed operational decisions

Enhanced Weather Forecasting

- Extend 1-kM ensemble forecasts from 4 days to 7 days
- Apply machine learning enhancements using observed extreme weather events
- Expand weather station coverage to improve local forecast resolution

Anticipated Benefit

- More accurate and precise weather event detection
- Better targeting of PSPS-prone areas
- Improved confidence in PSPS decision-making



PSPS Action Plan: Technology Pilots



Gridscope Pilot

- Pole-mounted sensors detect vegetation contact, line-down conditions, equipment issues, and other anomalies
- 990 devices installed on 5 circuits since 2025
- 800 additional devices planned



Advanced Drone Operations

- FAA approval for BVLOS operations
- Expands use of drones in hilly terrain and nighttime conditions
- Piloting autonomous drone-in-a-box systems deployed remotely from substations
- Supporting PSPS patrols and re-energization activities

Anticipated Benefit

Faster fault identification

Faster patrol completion

Faster power restoration

PSPS Action Plan: Notification Automation and Customer Contact Information

Increased Notification Automation

Key Enhancements

- Enhanced notification recommendation logic
- Increased notification process automation
- Unified notification approval process for Public Safety Partners and customers
- Expanded categorization of missed notifications

Purpose

- Faster notification delivery
- Improved notification accuracy
- Better understanding of why notifications fail

Improved Customer Contact Information

Key Enhancements

- Expand SMS enrollment for emergency notification
- Targeted outreach to schools
- Multi-channel customer enrollment campaigns
- Monthly reviews of Medical Baseline contact information
- Mailers to validate customer contact data

Purpose

- Improve notification reach, especially during an event
- Improve customer awareness of PSPS events
- Reduce missed notifications

Anticipated Benefit

Improved notification timeliness and reliability | Better reach to vulnerable customers | Fewer missed / delayed notifications