

# Southern California Edison

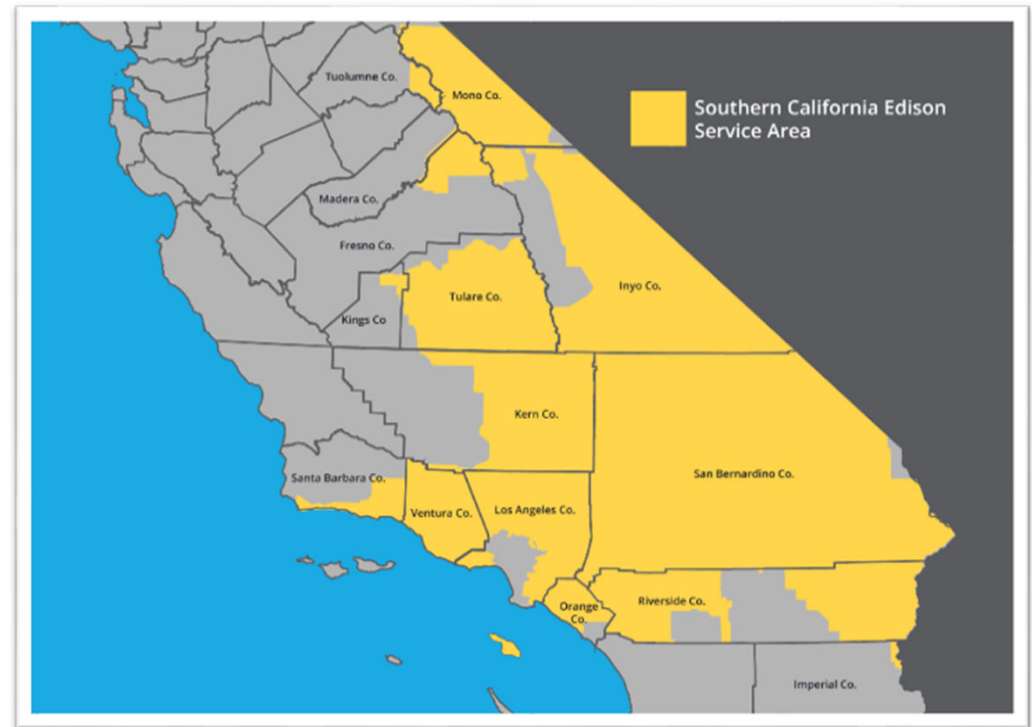
## Calabasas Utility Forum

# About Southern California Edison



One of U.S. largest electric utilities:

- 50,000 sq. mi. service area with nearly 15 million residents
- 5 million customer accounts
- Infrastructure investments to modernize the grid, prepare for clean energy future
- 48% of SCE-delivered power is estimated from carbon free resources
- \$23M in philanthropic contributions



# Strengthening and Modernizing the Grid



SCE plans to spend more than \$5B each year to maintain, improve, and harden its infrastructure

- **Infrastructure reliability** – updating underground cables, poles, switches, and transformers
- **Wildfire mitigation** – hardening infrastructure, bolstering situational awareness capabilities, and enhancing operational practices
- **Transmission** – connecting renewables, installing new substations, and updating lines
- **Distribution** – automation and cutovers to allow for two-way power delivery
- **Grid readiness** – updating the grid for impacts from new technologies
- **Long-term energy policy** – supporting energy storage, electric vehicles, and renewables

SCE's investments support safe, reliable, affordable, and clean energy for our customers

# Rates & Affordability



SCE is committed to providing safe, reliable, affordable, and clean energy to all its customers while meeting our clean energy commitments to reach carbon neutrality.



## SCE Rates

- Approved by the California Public Utilities Commission in public process
- Based on the revenue requirements needed to cover O&M, generation, wildfire risk mitigation and state mandated programs
- SCE doesn't make more money when electricity use increases; it earns an authorized rate of return on its investments in the grid.



## Reducing Total Energy Burden

- A decarbonized, electrified world will reduce energy costs for an average household by one-third by 2045.
- Customer's total 2021 energy burden can decrease further with higher levels of electrification and increased energy efficiency.



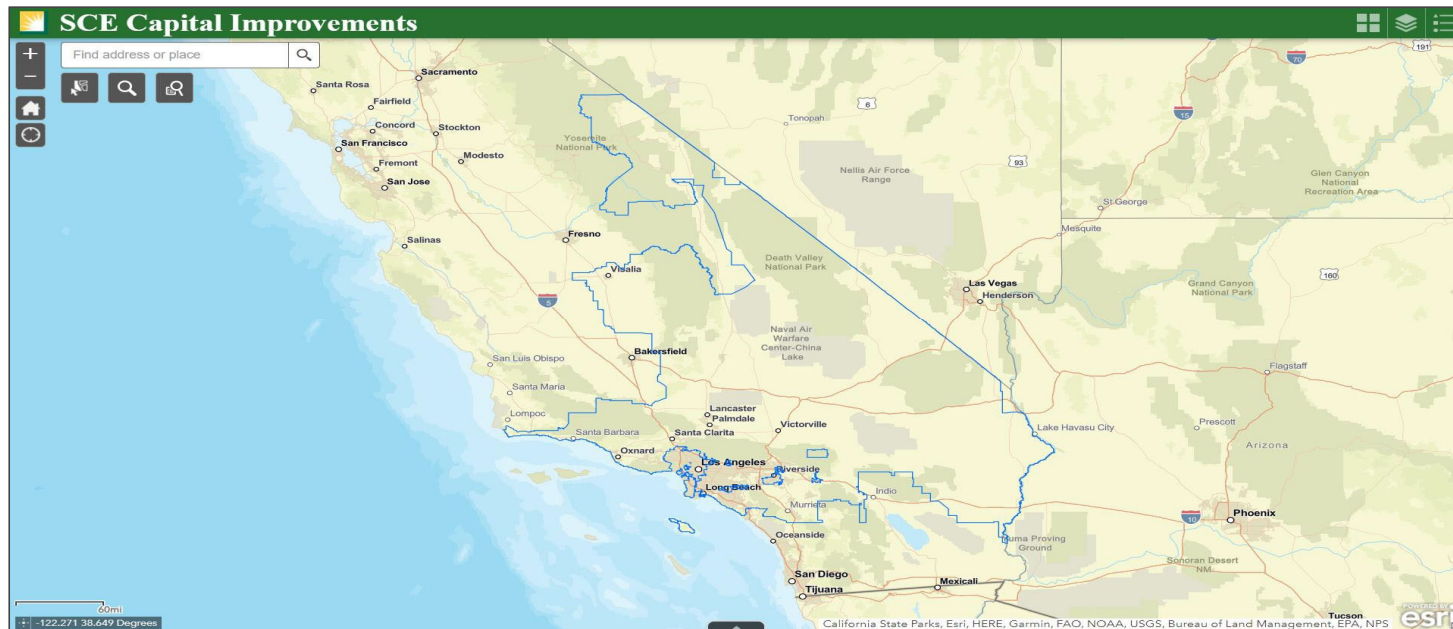
## Affordability

- SCE is working to keep rates affordable.
- We offer a range of assistance options, including CARE and FERA, which one-third of our customers take advantage of.
- Customers can save energy and money by using electricity at the most cost-efficient times.



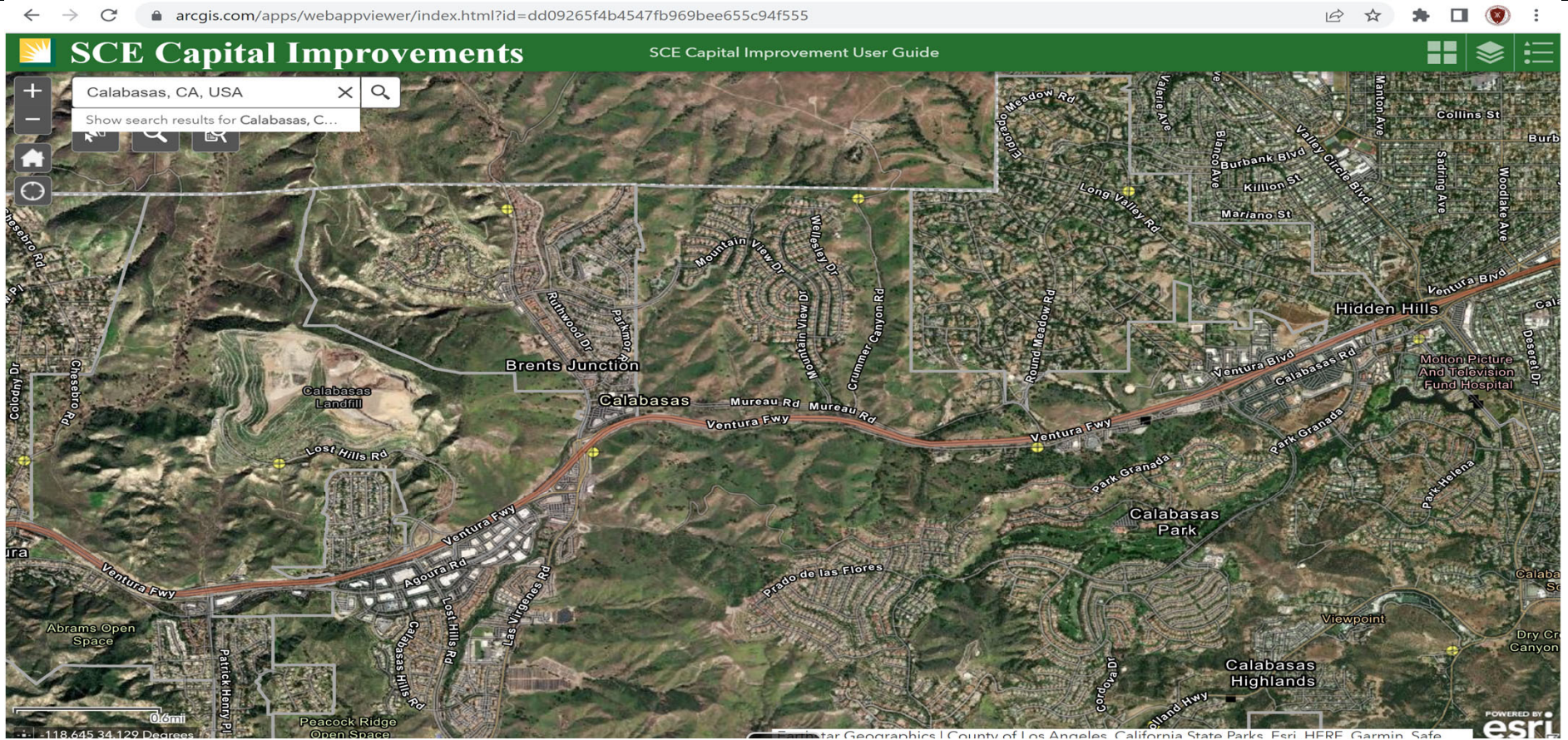
# Capital Improvement Map

The capital improvement map has transitioned to a virtual format via [SCE Capital Improvements](https://www.sce.com/CapitalImprovements) and can be accessed using the link provided or [sce.com/CapitalImprovements](https://www.sce.com/CapitalImprovements).



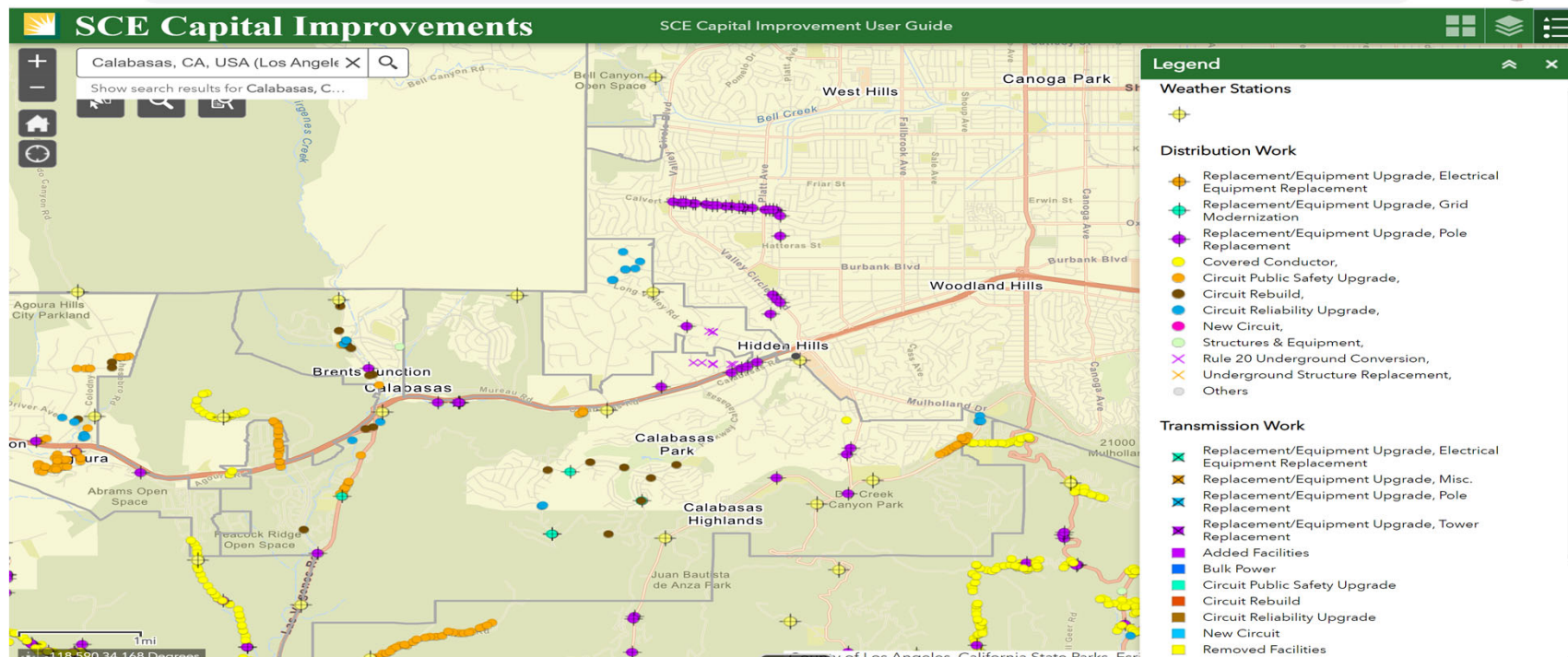
[sce.com/CapitalImprovements](https://www.sce.com/CapitalImprovements)

# SCE.com/CapitalImprovements



# Capital Improvement Map

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# HARDENING ELECTRIC GRID & INFRASTRUCTURE



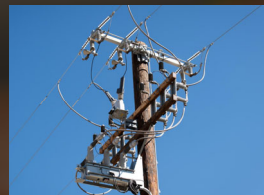
## COVERED CONDUCTOR

Replacing bare wire with insulated wire (covered conductor) to reduce wildfire risk as well as safely raise windspeed thresholds for PSPS in targeted areas. About 2,900 miles of insulated wire installed since 2018



## FIRE-RESISTANT POLES

Installing mix of composite poles and wooden poles with fire-resistant wrap to reduce risk of damaged poles during an emergency



## PROTECTIVE DEVICES

Installing fast-acting fuses to interrupt electric current more quickly when there's an electrical fault and remote-controlled sectionalizing devices to segment and isolate portions of circuits during PSPS events



## UNDERGROUNDING

Complete 17 miles of undergrounding in 2021-22 in targeted high fire risk areas based on risk and feasibility. Potential for significant increase in subsequent years.



## MICROGRIDS

Partnered with San Jacinto High School for a microgrid resiliency pilot. Second pilot site at a school in the Rialto Unified School District will be available in 2022.





# Reliability



**As California transitions away from fossil fuels, electricity will play an increasing role in meeting our energy needs. The electric grid can continue to be relied upon for a clean energy future.**

## Types of Outages



**MAINTENANCE:** planned, controlled outage used when upgrading equipment.

**EMERGENCY:** is a result of an unplanned event causing us to manually de-energize power

**REPAIR:** Unexpected events may cause repair outages such as a car crashing into a pole, or objects coming in contact with lines.

**ROTATING:** controlled events directed by the California Independent System Operator (CAISO) to turn off electricity to selected areas to keep the electricity supply and load in balance.

**PUBLIC SAFETY POWER SHUTOFF (PSPS):** To reduce wildfire risk, we proactively shut off power in high fire-risk areas as a result of elevated weather conditions.

## Meeting Load Growth

Based on data driven analysis, SCE's is making the necessary investments through efficient integration of clean resources so that our grid and energy supply will be able to keep up with the additional demand for electricity in the coming decades and to do our part for the state to achieve its 2045 carbon neutrality goals.



**Sign up for SCE outage alert notifications!**


 Text Alerts

To sign up, text "ENROLL" to 28954.

 Voice Alerts

To sign up for voice alerts, 1-855-549-3800.

 Email Alerts

To sign up for email alerts [click here](#) 

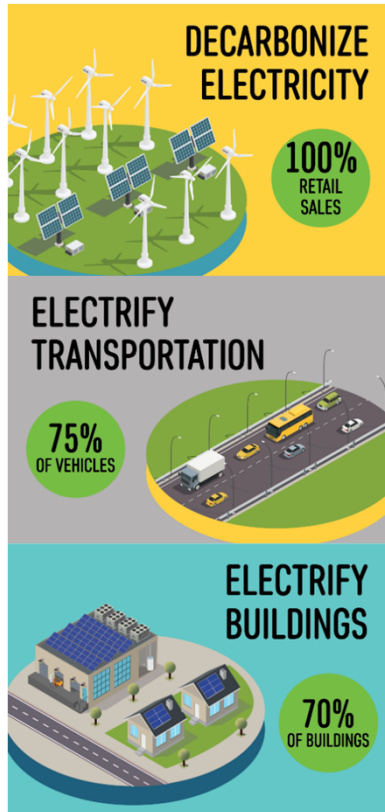


# Customer Notifications

11 Days Out	8-10 Days Out	Less than 10 days	3 Days Out	1 Day Out	Day of Outage
Automated messages sent to enrolled customers	Notifications sent via mail	Our goal is for, customers to receive letter with at least 5 days-notice. Automated notifications sent. If necessary, staff will provide notification via Door Hangers	Critical care customers are called to remind them of outage	Automated reminders	Automated updates if changes occur

\*For Planned Maintenance Outages, SCE makes reasonable attempts to follow this timeline, however there may be instances when adjustments must be made.

# PATHWAY 2045 and the Benefits of Electrification



## Environmental Benefits

- The severe weather events stressing the grid are **exacerbated** by continued fossil fuel use
- Electric technologies offer **immediate GHG reductions** (and air quality improvements!) that increase over time as the grid decarbonizes

## Flexible Load

- Electric technologies are **incredibly flexible**, which helps the grid
- Tremendous potential for EVs and heat pump water heaters to **provide grid support services**

## Energy Affordability

- Electric technologies are affordable to operate – often **cheaper than fossil fuel equivalents**
- Electric technologies improve asset utilization – they **make electricity rates less expensive** for everyone

# Partnering with SCE

Permits



Streamlining your EV charging station permitting process is a commonsense idea with widespread community benefits. Paired with timely review and approval of customer project permits, it will help get more charging stations installed faster.

Reach Codes



A reach code is a cost-effective way to reduce emissions and meet climate action plan goals. SCE can help provide technical assistance and other support if your jurisdiction decides to develop a reach code.

IIJA



Please keep us informed of infrastructure improvements your jurisdiction is seeking through state or federal grant programs such as those from the Infrastructure Investment and Jobs Act (IIJA).

Climate



Partner with us on local long-term climate planning activities.

# We are here to help you

## Government Relations Manager

- Direct contact for local government and community organizations
- Represents SCE operating departments, briefing local governments and community organizations
- Listens to your community concerns and issues and work with experts at SCE to resolve them
- Shares company programs and initiatives
- Serves as a liaison during emergencies
- Assist in addressing debris and graffiti on SCE property and rights-of-way



Routine customer concerns can be referred to SCE Customer Service at:  
1-800-655-4555  
Business customers call:  
1-800-990-7788

## Common Topics of Interests

- Local Government Compliance
  - Utility User Taxes
  - SCE Franchise Agreement
  - Property Taxes
- Other Utility Topics
  - Undergrounding
  - Streetlights
  - Local planning
  - Vegetation management
  - Power reliability
  - Wildfire mitigation



Energy for What's Ahead<sup>SM</sup>

# SCE Contact Information

Issue Type		Contact Info
Outages - Report/Status General Customer Information	<a href="http://www.sce.com/outage">www.sce.com/outage</a>	Downed power lines: 911 1-800-611-1911 1-800-655-4555 <a href="mailto:sceoutage@sce.com">sceoutage@sce.com</a> 1-855-683-9067
File or Get Claim Status	<a href="http://www.sce.com/claims">www.sce.com/claims</a>	1-800-251-3311 <a href="mailto:claims@sce.com">claims@sce.com</a>
Vegetation & Power Lines Clearance		1-800-655-4555
Report a Streetlight Out	<a href="http://www.sce.com/outage-center/report-street-light-outage">www.sce.com/outage-center/report-street-light-outage</a>	OR My SCE app or call (800) 611-1911 #3
Medical Baseline	<a href="http://www.sce.com/residential/assistance/medical-baseline">www.sce.com/residential/assistance/medical-baseline</a>	1-800-684-8123 or 800-655-4555
Wildfire	<a href="http://sce.com/wildfire">sce.com/wildfire</a>	<a href="mailto:wildfireoutreach@sce.com">wildfireoutreach@sce.com</a>
Public Safety Power Shutoffs	<a href="http://www.sce.com/pmps">www.sce.com/pmps</a> (which includes signing up for outage alerts)	LNO Hotline: During PSPS IMT, monitored 24/7 for City Officials 1-800-737-9811
Vegetation Management	<a href="http://sce.com/safety/power-lines">sce.com/safety/power-lines</a>	1-800-655-4555 or <a href="mailto:safetrees@sce.com">safetrees@sce.com</a>
Graffiti Abatement	To report graffiti on SCE facilities.	1-866-421-4688 (for cities, not general public)

# Connect with Us



Website: [www.sce.com](http://www.sce.com)



Twitter: [@SCE\\_PublicAff](https://twitter.com/SCE_PublicAff)



Facebook: [www.facebook.com/sce](https://www.facebook.com/sce)



Instagram: [@SCE](https://www.instagram.com/SCE)



# Expedited Circuit PSPS Circuit Enhancements

## Zone Circuit Update

The screenshot shows the SCE website page for 'Circuits Selected for Expedited PSPS Enhancements'. The page includes a navigation menu on the left with categories like 'Quick Services', 'Your Home', 'Your Business', 'Customer Support', 'Partners & Vendors', 'Outage Center', 'Safety', and 'Wildfire Safety'. The main content area features a breadcrumb trail: 'Home > Wildfire Safety > Public Safety Power Shutoffs > Circuits Selected for Expedited PSPS Enhancements'. The title is 'Circuits Selected for Expedited PSPS Enhancements'. The text states: 'In 2021, SCE made significant progress expediting grid hardening work to reduce the need for Public Safety Power Shutoffs (PSPS) on circuits that experienced four or more PSPS de-energizations between 2019 and January 2021.' It further explains that with work completed last year, SCE estimates a 70% reduction in total PSPS outage time based on 2021 weather and fuel conditions. It also mentions that SCE will harden more than 50 circuits this year, and in response to dangerous fire weather conditions, SCE will make further enhancements to 11 of the hardened circuits last year. When the work is completed on these circuits, the company expects an incremental 60% reduction in PSPS outage time compared to the last two years, assuming the same weather and fuel conditions. A form is provided for users to enter their zip code and city to lookup their address, with a 'Submit' button. A small note at the bottom of the form states: '\*If your address is not listed, you are not currently impacted by our expedited grid hardening efforts. However, if

“In 2021, SCE made significant progress expediting hardening work to reduce the need for Public Safety Power Shutoffs(PSPS) on circuits that experienced four or more PSPS de-energizations between 2019 and January 2021.”

[Sce.com/wildfire/pmps/enhancement-circuit-lists](https://sce.com/wildfire/pmps/enhancement-circuit-lists)

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sce.com/wildfire/pmps/enhancement-circuit-lists

EDISON Energy for What's Ahead

Quick Services

Your Home

Your Business

Customer Support

Partners & Vendors

Outage Center

Safety

Wildfire Safety

Circuits Selected for Expedited PMPs Enhancements

Home > Wildfire Safety > Public Safety Power Shutoffs > Circuits Selected for Expedited PMPs Enhancements

In 2021, SCE made significant progress expediting grid hardening wo Shutoffs (PSPS) on circuits that experienced four or more PSPS de-2021.

With work completed last year, the company estimates that customer experienced more than a 70% reduction in total PSPS outage time be

To continue reducing these outages, SCE will harden more than 50 ci dangerous fire weather conditions experienced last November when v some locations, SCE will be making further enhancements to 11 of the is completed on these circuits, the company expects an incremental 6 to the last two years, assuming the same weather and fuel conditions.

To learn how this work may affect you, please enter your address in th that provides electricity to your community. After that, click on your co about the expedited grid hardening work in progress. While this inform work and timeline is subject to change. An explanation of the work ph

EDISON Energy for What's Ahead

Quick Services

Your Home

Your Business

Customer Support

Partners & Vendors

Outage Center

Safety

Wildfire Safety

Circuits Selected for Expedited PMPs Enhancements

Home > Wildfire Safety > Public Safety Power Shutoffs > Circuits Selected for Expedited PMPs

Circuits Selected for Expedited PMPs Enhancements

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To continue reducing these outages, SCE will harden more than 50 circuits this year. In addi dangerous fire weather conditions experienced last November when wind gusts reached mo some locations, SCE will be making further enhancements to 11 of the hardened circuits bea is completed on these circuits, the company expects an incremental 60% reduction in PSPS to the last two years, assuming the same weather and fuel conditions.

To learn how this work may affect you, please enter your address in the lookup tool to find th that provides electricity to your community. After that, click on your county and circuit name to about the expedited grid hardening work in progress. While this information is accurate, the work and timeline is subject to change. An explanation of the work phases can be found at 9

Enter Zip Code and City to lookup Address

If you are not able to find your zip code or city in the listed dropdown, then your address is not impacted.

Select a Zip Code Select a city

Please enter address

Submit

\*If your address is not listed, you are not currently impacted by our expedited grid hardening work. If your address is scheduled in your community, your address will be added to the lookup tool.

Neighborhoods Not Listed:

SCE continues to implement our [Wildfire Mitigation Plan](#) to harden the grid in high fire risk make our communities more resilient to wildfires over time and reduce the need for PSPS. If work may begin in your area.

Expedited Grid Hardening Work Status:

- Phase in process
- Phase has been completed
- Enhancements

Inyo County (Completed)

Kern County (Completed)

Los Angeles County (Updated as of 11/09/2022)

Mono County (Completed)

Orange County (Updated as of 10/11/2022)

Landing page



Select County from list



Circuit Name	Area	Status	Completion Date
Petit	Santa Paula and unincorporated portions of Ventura County including Limon, Haines	Completed	
Rainbow	Somis, North of Lagol	Completed	
Strathern	Moorpark, unincorporated portions of Ventura County including Rustic Canyon Golf Course	Completed	
Tapo	Simi Valley, Rounding Tapo Canyon Park	Completed	
Timber Canyon			February 2023
Twin Lakes	Simi Valley	Completed	
Zone	Moorpark, unincorporated portions of Ventura County including Santa Rosa Valley	Completed	

Circuits and areas they impact are listed

\*This circuit crosses county boundaries.

Close X

Sce.com/wildfire/pmps/enhancement-circuit-lists

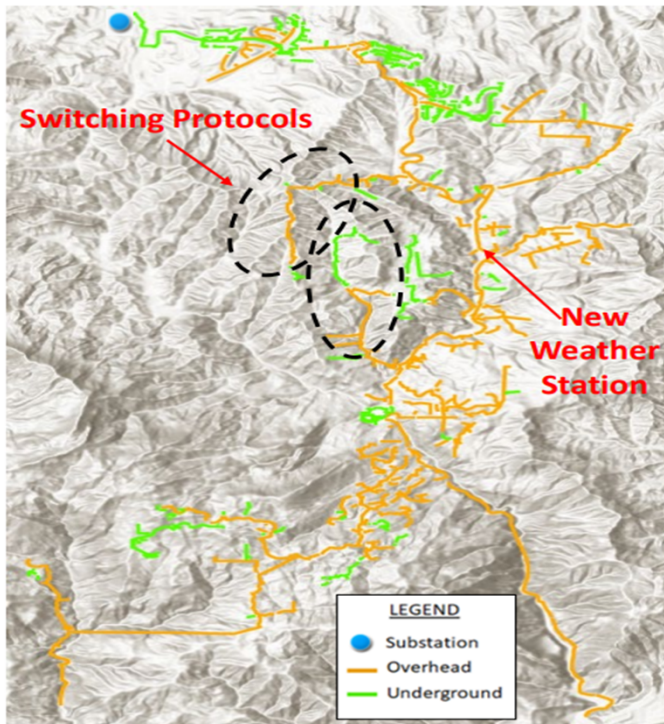
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# Connect with Us

## Vicasa Circuit Plan



### Planned Work:

- Install 1 new weather station
- Implement switching protocols to improve circuit segmentation

### Expected Improvements:

- **58% reduction** in customer outage time, assuming the same weather conditions in 2021

# SCE.com/outage-center

The screenshot displays the SCE.com/outage-center website interface. At the top, the URL 'sce.com/outage-center/check-outage-status' is visible in the browser's address bar. The page features the Edison logo with the tagline 'Energy for What's Ahead'. Navigation options include a menu, search, language selection (English), and login/register links. The main heading is 'Check Outage Status', accompanied by 'Get Alerts' and 'Report Outage' buttons. Below this, there are search filters for Address, Outage Number, and Meter Number, along with a search input field. Three summary boxes provide key information: 'Current Outages' (37 outages, 1,494 customers impacted), 'Upcoming Scheduled Outages' (1,179 outages, 64,619 customers possibly impacted), and 'Public Safety Power Shutoff (PSPS)' with a link for more details. A 'Community Support' section offers options for Resource Centers, Crew Vehicles, and Hotel Assistance, noting that no resource centers are currently available. On the right side, a map of Southern California shows various cities and highways, with yellow warning icons indicating outage locations. The map includes an 'Apply Filters' button and zoom controls.

# Overview of Calabasas

*Note: The number of customers listed represents the total number of customers on each circuit (not the local jurisdiction).*

There are 12 circuits that serve Calabasas

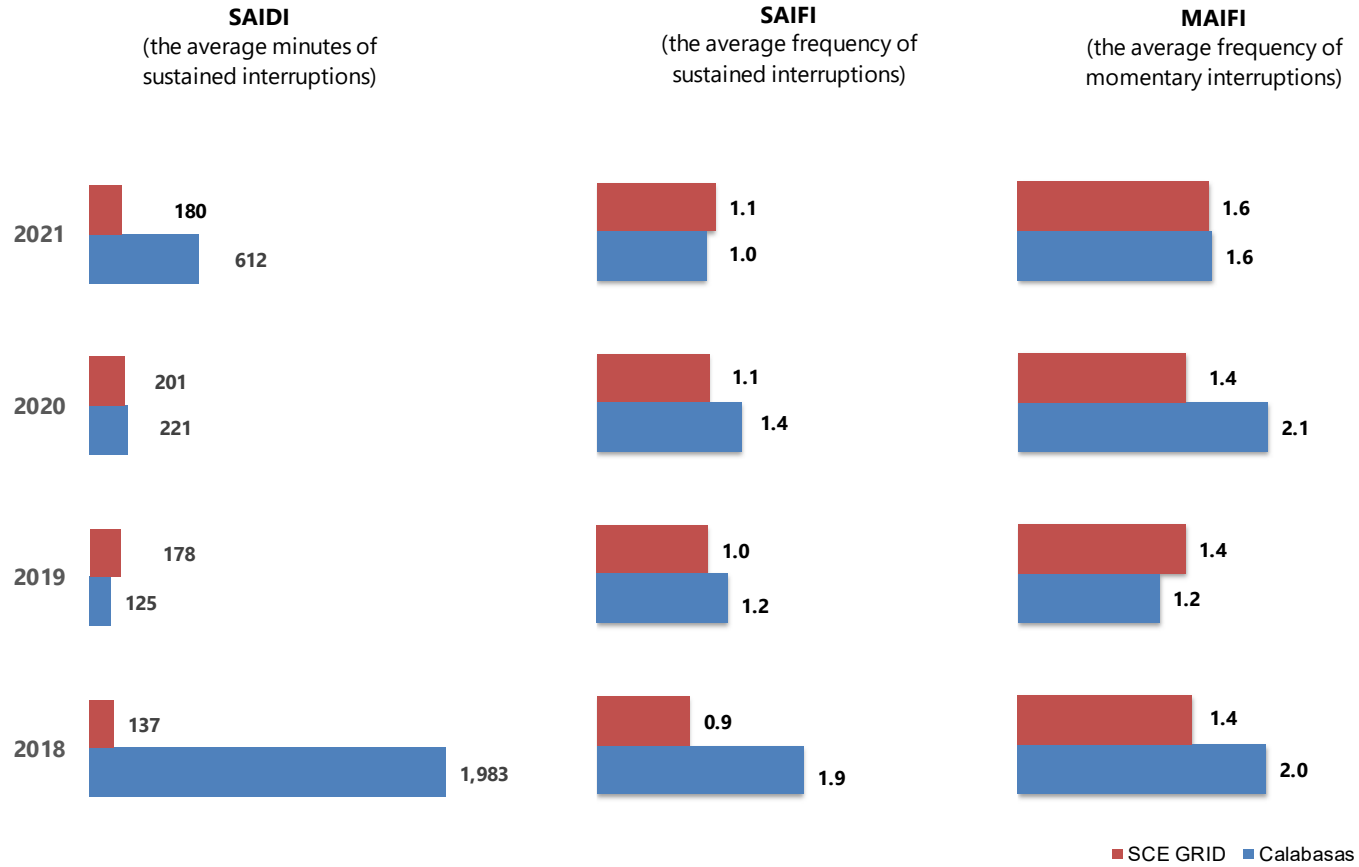
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Circuit Type	Customers	Circuit Type	Customers	Circuit Type	Customers	Circuit Type	Customers
CALABASAS(16KV)	1,165						
CRUMNER(16KV)	1,628						
HORIZON(16KV)	998						
HORNTOAD(16KV)	1,396						
MILO(16KV)	1,390						
PARADISE(16KV)	764						
PARKMORE(16KV)	1,529						
PLATEAU(16KV)	2,011						
RHODA(16KV)	815						
SIENNA(16KV)	853						
SORRENTO(16KV)	589						
VICASA(16KV)	2,247						
<b>Grand Total</b>	15,385						

## SAIDI & SAIFI Cause Definitions

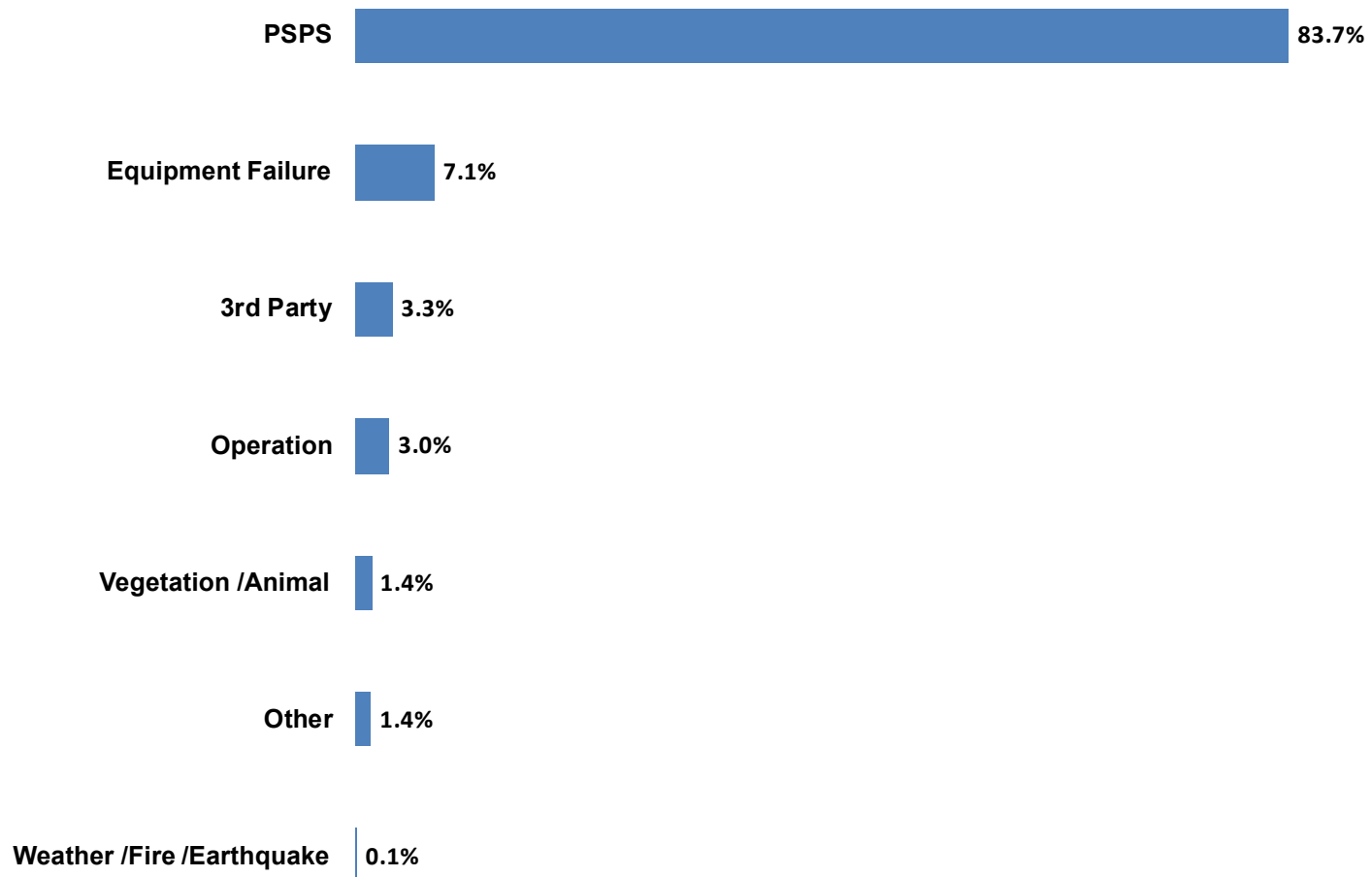
<b>Equipment Failure</b>	In-service failure of transformer, switch, or conductors
<b>Vegetation/Animal</b>	A tree branch, rodent, or bird causing a short circuit between conductors
<b>Other</b>	The circuit was patrolled but no cause found
<b>Operations</b>	SCE performed urgent maintenance without the standard 3-day notice
<b>3<sup>rd</sup> Party</b>	Outage caused by a balloon, car hit pole or dig-in
<b>PSPS</b>	Public Safety Power Shutoff <a href="http://sce.com/psps">sce.com/psps</a>

## Historical Reliability of Circuits Serving Calabasas

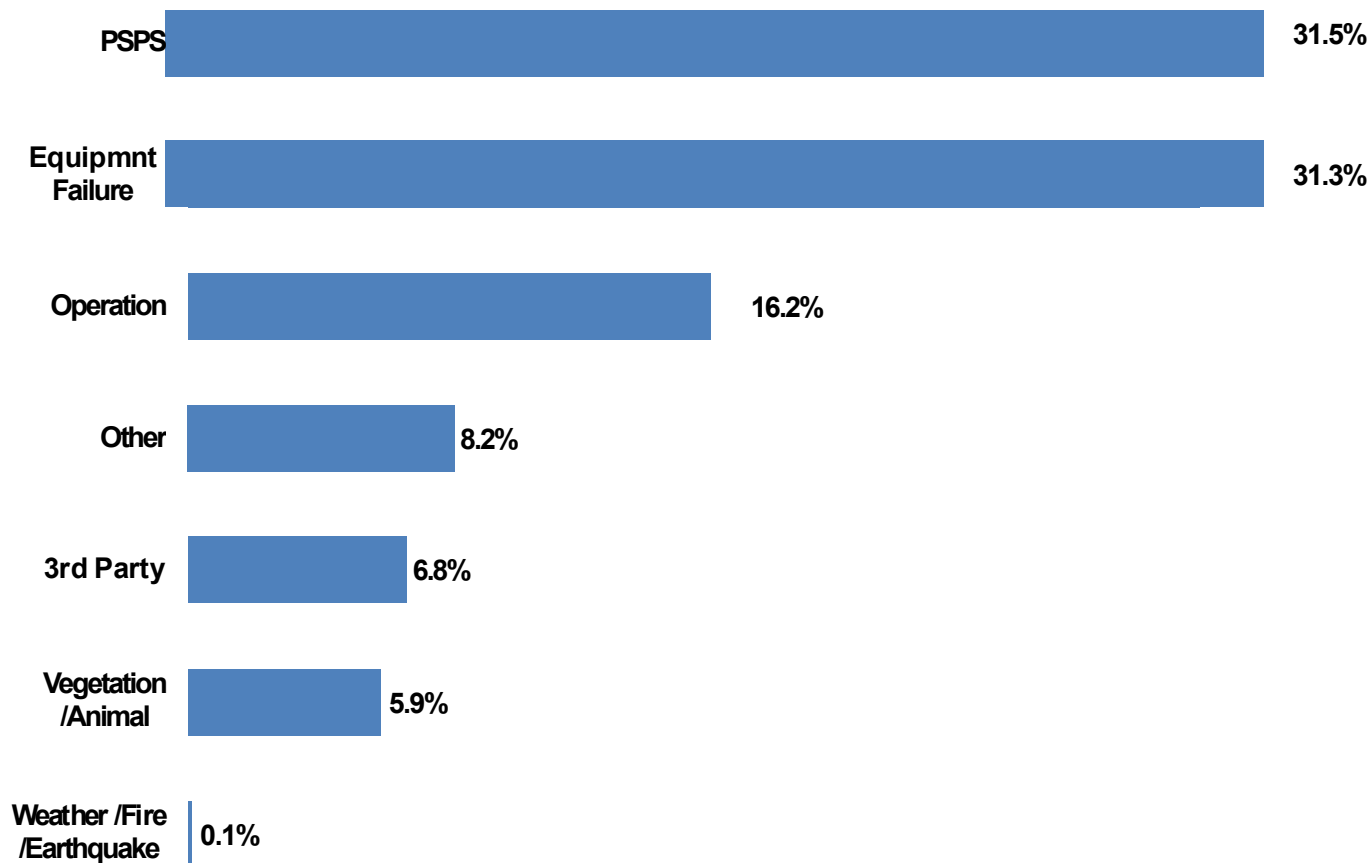


\* NO EXCLUSIONS \*\*Data is as of 03/12/2022, data can be slightly different due to outage data validation process

## 2021 SAIDI Outage Causes for Calabasas

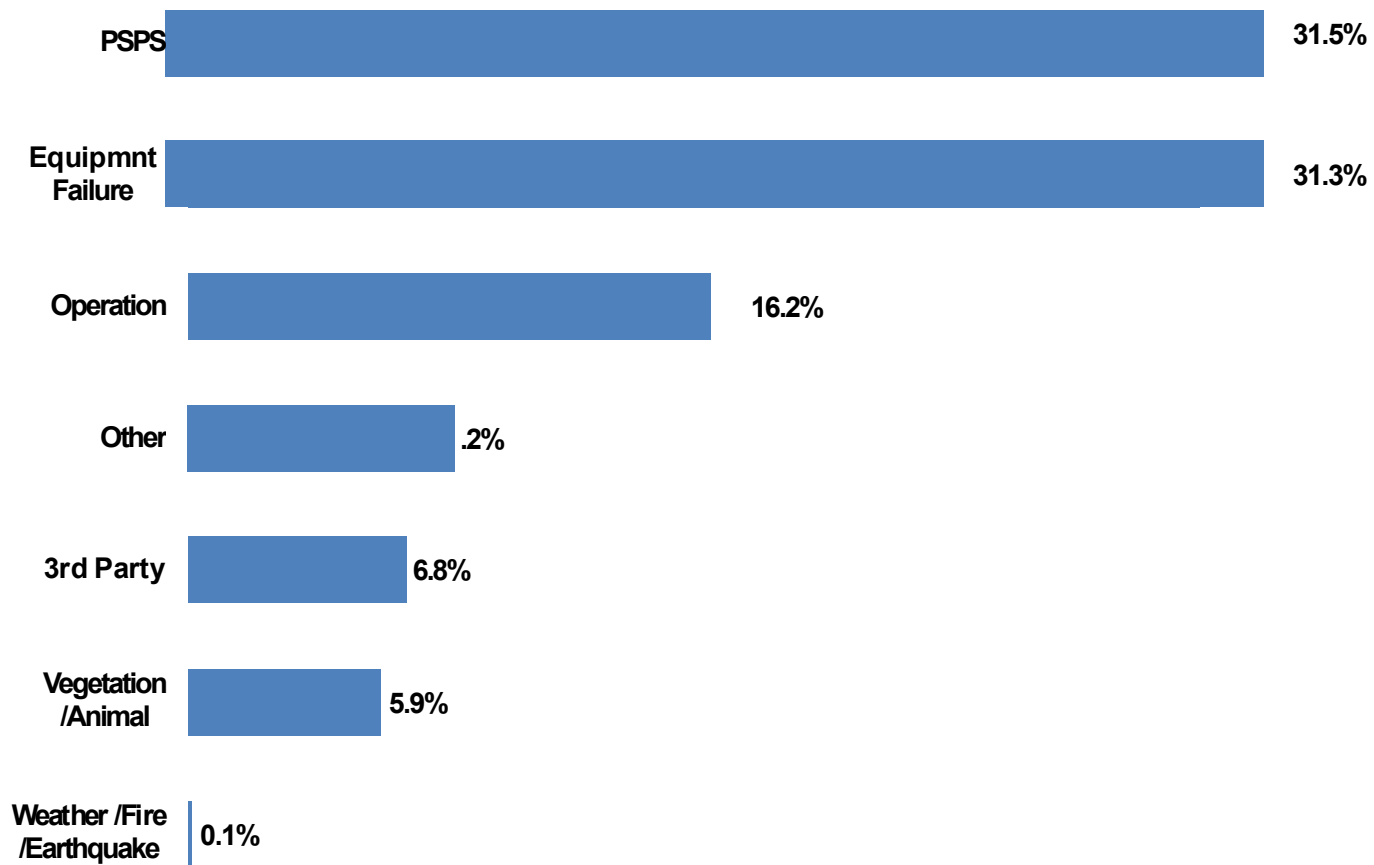


## 2021 SAIFI Outage Causes for Calabasas

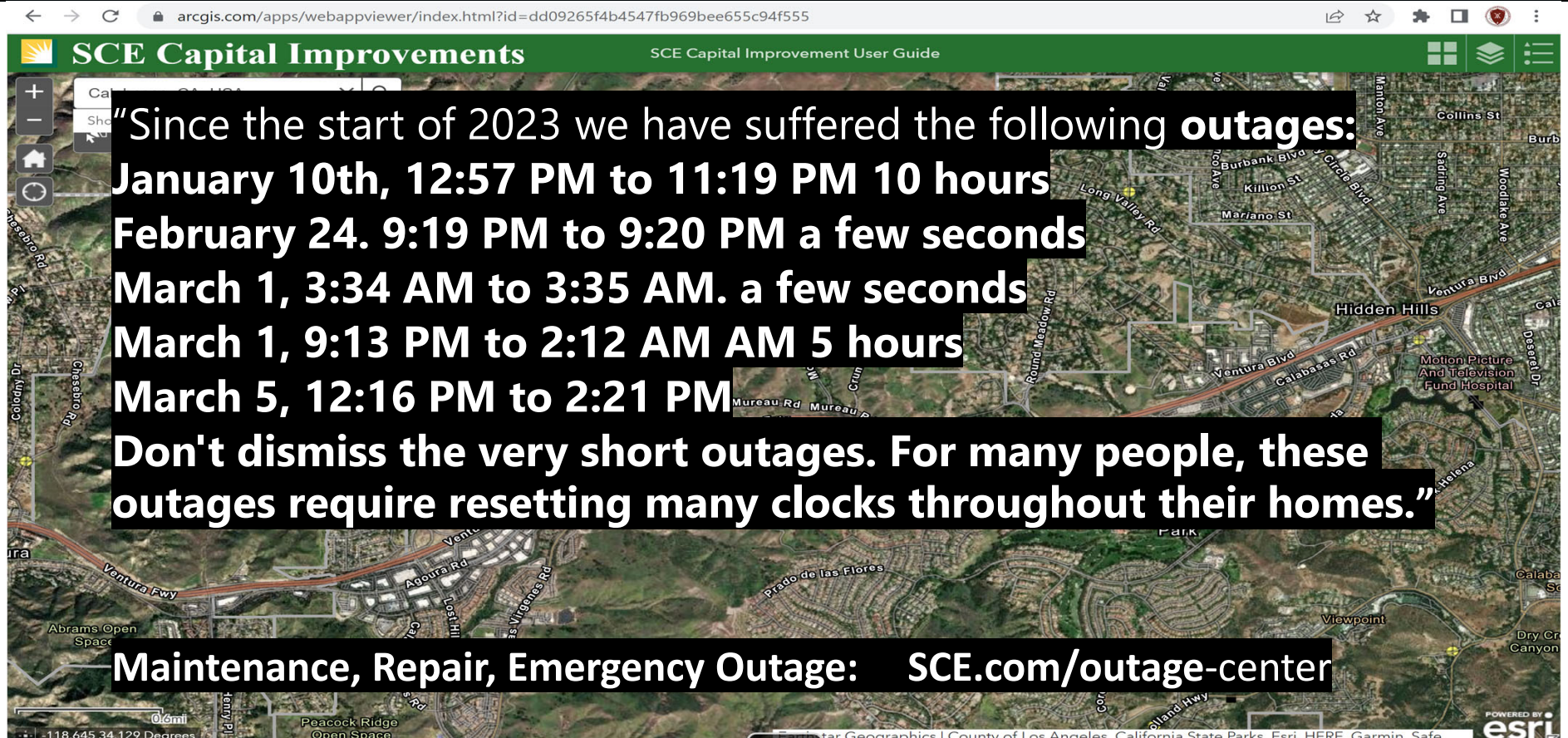




## 2021 SAIFI Outage Causes for Calabasas



# Resident Correspondence



The image is a screenshot of a web browser displaying an ArcGIS application titled "SCE Capital Improvements". The browser's address bar shows the URL: [arcgis.com/apps/webappviewer/index.html?id=dd09265f4b4547fb969bee655c94f555](https://arcgis.com/apps/webappviewer/index.html?id=dd09265f4b4547fb969bee655c94f555). The application header includes the SCE logo and the text "SCE Capital Improvements" and "SCE Capital Improvement User Guide". The main content is a satellite map of a residential area in Los Angeles, California, with several text overlays. The largest overlay is a black box with white text that reads: "Since the start of 2023 we have suffered the following outages: January 10th, 12:57 PM to 11:19 PM 10 hours February 24. 9:19 PM to 9:20 PM a few seconds March 1, 3:34 AM to 3:35 AM. a few seconds March 1, 9:13 PM to 2:12 AM AM 5 hours March 5, 12:16 PM to 2:21 PM Don't dismiss the very short outages. For many people, these outages require resetting many clocks throughout their homes." Below this, another black box with white text reads: "Maintenance, Repair, Emergency Outage: [SCE.com/outage-center](https://www.sce.com/outage-center)". The map shows streets such as Ventura Blvd, Calabasas Rd, and Hidden Hills. The bottom of the screenshot shows the Esri logo and "POWERED BY" text.

**“Since the start of 2023 we have suffered the following outages:**  
**January 10th, 12:57 PM to 11:19 PM 10 hours**  
**February 24. 9:19 PM to 9:20 PM a few seconds**  
**March 1, 3:34 AM to 3:35 AM. a few seconds**  
**March 1, 9:13 PM to 2:12 AM AM 5 hours**  
**March 5, 12:16 PM to 2:21 PM**  
**Don't dismiss the very short outages. For many people, these outages require resetting many clocks throughout their homes.”**

**Maintenance, Repair, Emergency Outage: [SCE.com/outage-center](https://www.sce.com/outage-center)**

# Questions

