





# Support Material Agenda Item No. 16

# **General Policy Committee Meeting**

May 11, 2022 9:00 AM

# Location

San Bernardino County Transportation Authority

First Floor Lobby Board Room

1170 W. 3rd Street, San Bernardino, CA 92410

# **VIDEO CONFERENCING WILL BE AVAILABLE AT THE FOLLOWING LOCATION:**

City Council Chambers 1111 Bailey Ave. Needles, CA 92363

# **DISCUSSION ITEMS Council of Governments**

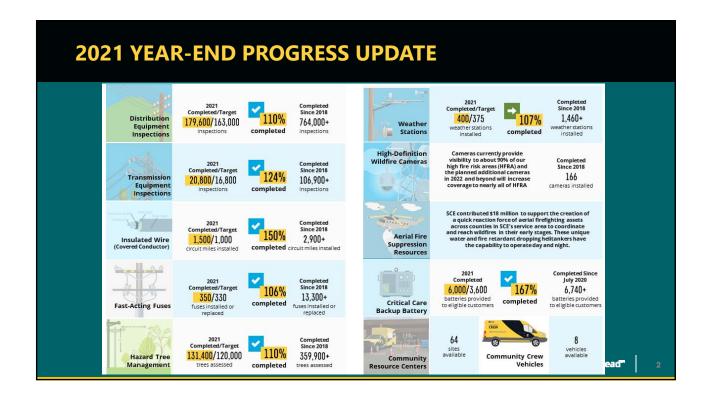
# 16. Presentation from Southern California Edison on Wildfire Risk Mitigation

Receive a presentation from Southern California Edison on wildfire mitigation efforts.

A Power Point presentation was added to this item after the posting of the agenda and is attached for your review.







# **REDUCING WILDFIRE RISK & PSPS IMPACTS – BY THE NUMBERS**

SCE estimates its wildfire mitigation and PSPS measures have reduced the risk of damage from catastrophic<sup>1</sup> wildfires by **65% to 70%**, relative to pre-2018 levels.



# ONGOING WILDFIRE MITIGATION EFFORTS

~30% of overhead wires in high fire risk areas installed with covered conductor

**Suite of mitigations** include system hardening, inspections, vegetation management and situational awareness measures



# IMPROVED PSPS EXECUTION & CUSTOMER SUPPORT

**73% reduction** in PSPS outage time in 2021 on frequently impacted circuits<sup>2</sup>

**81,000 customers** removed from scope from exceptions and switching protocols

**64 Community Resource Centers** available



# AERIAL FIRE SUPPRESSION SUPPORT

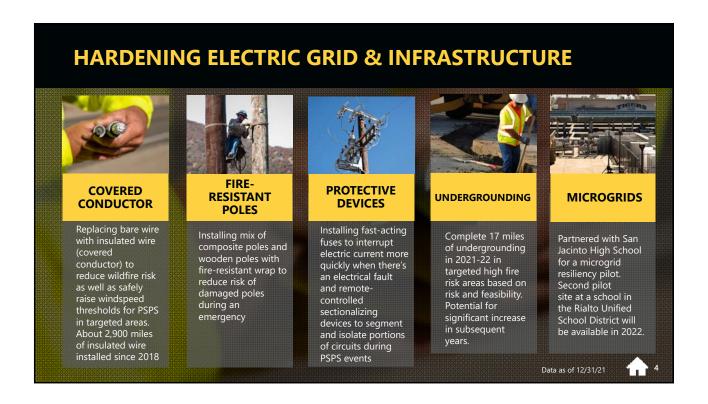
**Contributed \$18 million** for the creation of the quick reaction force of the world's largest helitankers

Used on more than 50 fires in 2021, helping to suppress fires in its early stages

1. A wildfire directly causing one or more deaths, damaging or destroying more than 500 structures, or burning more than 140,000 acres of land 2. Based on 2021 weather and fuel conditions

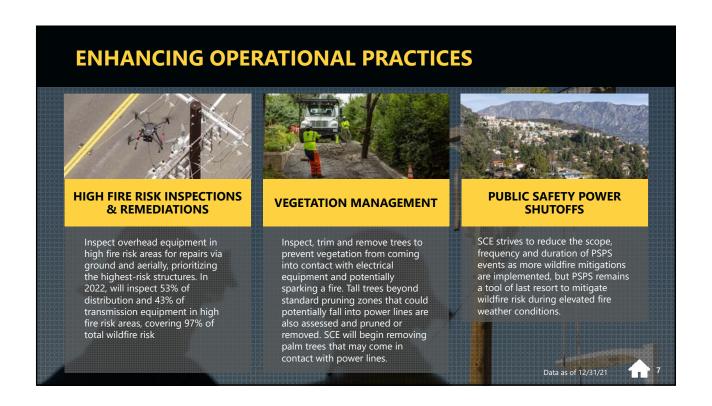
Data as of 12/31/21

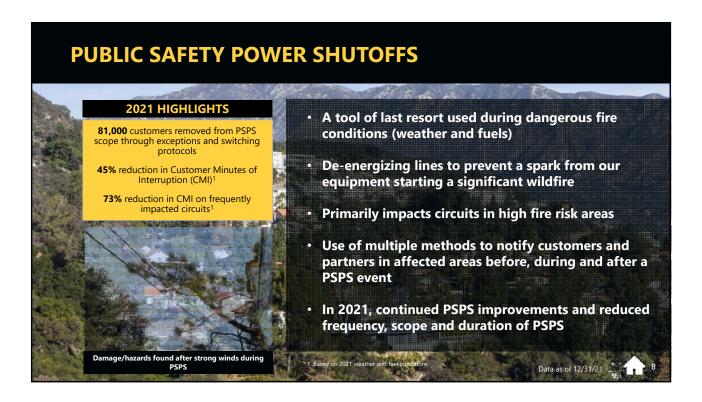




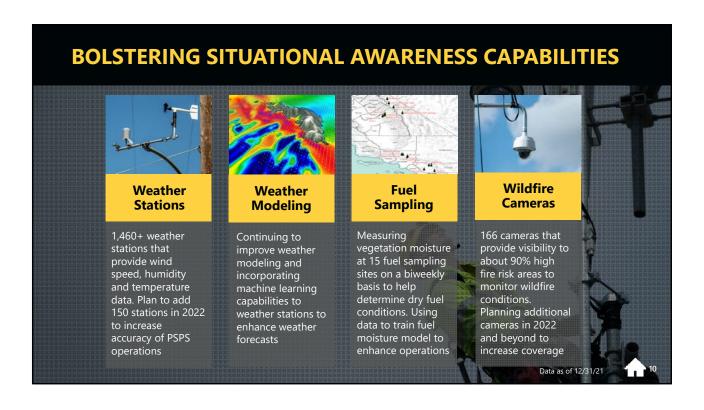


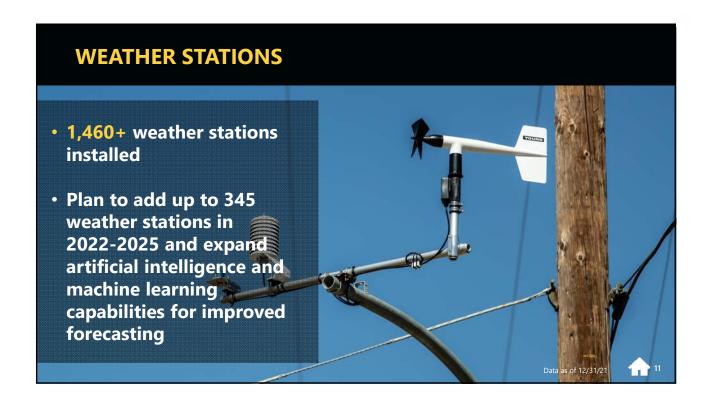


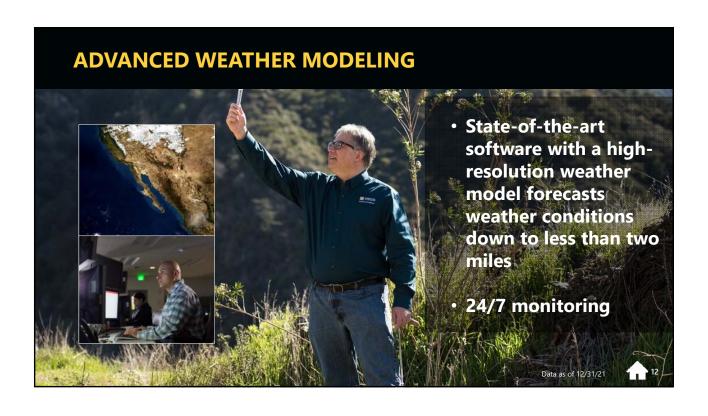




# Expanded enhanced notifications to all Medical Baseline customers, partnered with 211 to provide support to customers with Access and Functional Needs (AFN) and activated new AFN coordinator during PSPS Expanded customer battery programs and in-event support using Community Crew Vehicle and Community Resource Center locations Improved collaboration with state agencies, public safety partners, critical infrastructure customers and community-based organizations with new Public Safety Partner Portal Conducted extensive outreach to community-based organizations, public safety partners and local and tribal governments

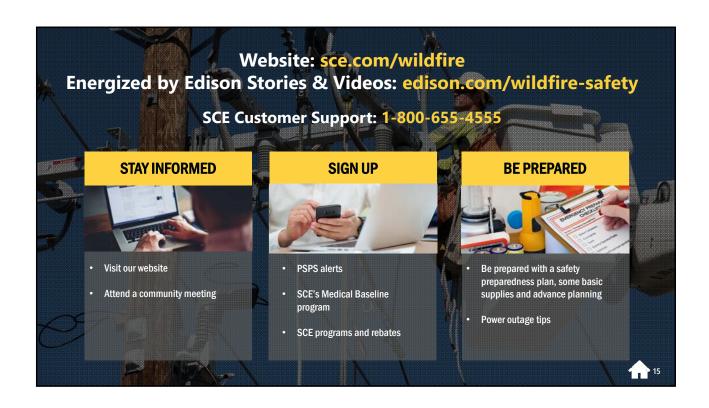








#### Add Notes **SCE CUSTOMER PROGRAMS & RESOURCES CUSTOMER RESOURCE CENTERS & CUSTOMER PROGRAMS CUSTOMER RESILIENCY EQUIPMENT COMMUNITY CREW VEHICLES** Critical Care Backup Battery Services offered: information, Partnered with 211 to help customers charging of mobile and portable with Access and Functional Needs (AFN) program and the In-Event medical devices, PSPS outage Battery Loan pilot provide develop a resiliency plan and enroll in alert enrollment support, access eligible assistance programs eligible customers with a to water, light snacks, ice and portable backup battery to 211 provides specialized referrals for ice vouchers, restrooms, and power a medical device during customers with AFN experiencing PSPS, small insulated bags to keep a PSPS event and services include connecting medication cool customers to shelf-stable food, hot meal Rebates on portable batteries Translations services for over and generators for customers delivery, transportation and/or 120 languages including temporary shelter residing in high fire risk areas American Sign Language (ASL) on marketplace.sce.com SCE will improve communications methods, including videos utilizing ASL for marketing and PSPS notifications



# **FOR MORE INFORMATION:**

#### SCE Wildfire Webpage - sce.com/wildfire

#### **SCE Notifications**

- Sign up for PSPS alerts <u>sce.com/pspsalerts</u>
- Sign up for the Energized by Edison Wildfire Mitigation Newsletter – energized.edison.com/newsletter

#### **Situational Awareness**

PSPS maps and information – <a href="mailto:sce.com/psps">sce.com/psps</a>

- PSPS decision making sce.com/pspsdecisionmaking
- Role of weather in PSPS <u>sce.com/fireweather</u>
- CPUC wildfire maps <u>ia.cpuc.ca.gov/firemap/</u>
- Wildfire cameras <u>alertwildfire.org</u>

#### **Preparedness**

- SCE emergency preparedness sce.com/beprepared
- CAL FIRE preparedness readyforwildfire.org

#### **Vegetation Management**

 Vegetation Management – sce.com/safety/power-lines; contact 1-800-655-4555 or safetrees@sce.com

# **Customer Programs & Rebates**

- SCE Customer Programs & Resources <u>sce.com/customerresources</u>
- SCE Marketplace (rebates and programs) <u>marketplace.sce.com</u>
- SCE Medical Baseline Program sce.com/medicalbaseline
- Self Generation Incentive Program (SGIP) sce.com/sgip or selfgenca.com
- SCE Customer Support: 1-800-655-4555

#### **Community Meetings**

 Join SCE's wildfire safety community meetings – sce.com/wildfiresafetymeetings

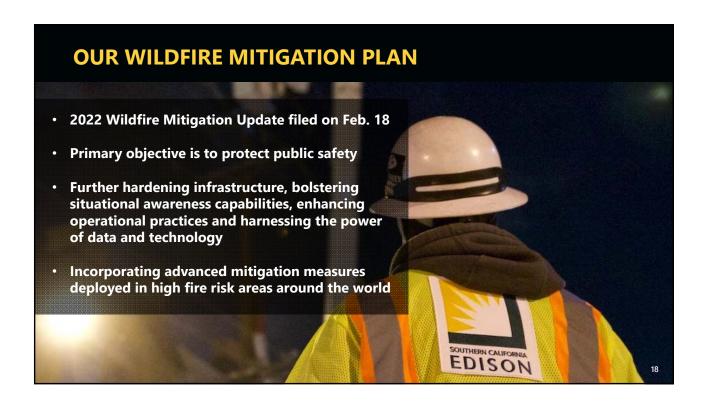
#### **Energized by Edison**

Stories and videos on SCE's wildfire mitigation efforts and PSPS – edison.com/wildfire-safety

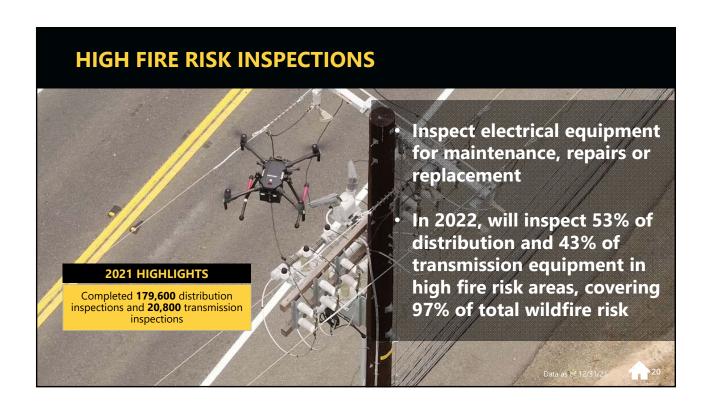
16

# **Additional Slides**

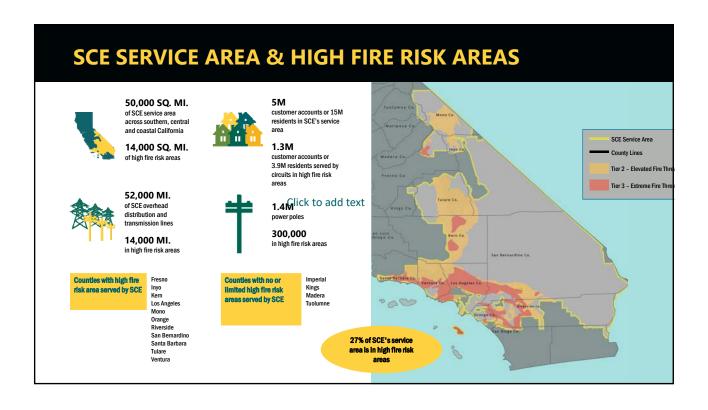
Energy for What's Ahead"







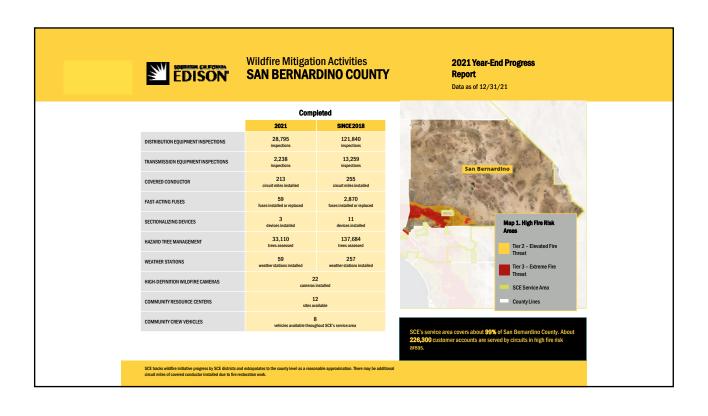


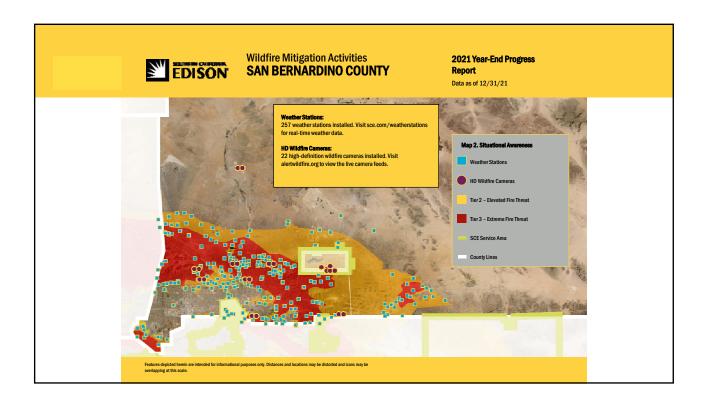






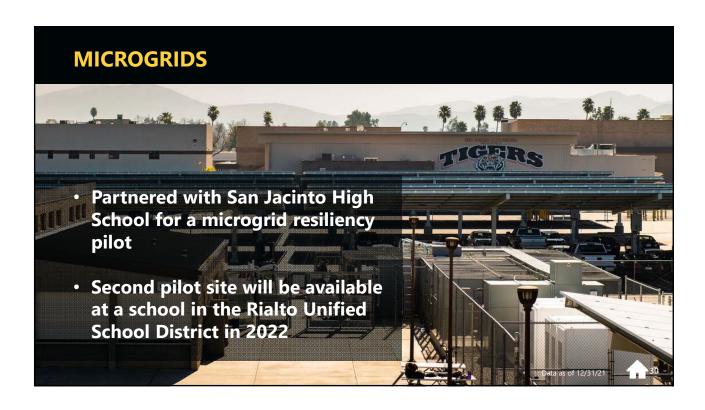
#### MAINTAINING FOUNDATIONAL STRATEGY WHILE ADVANCING **KEY INCREMENTAL FOCUS AREAS EACH YEAR** 2019 2020 - 2021 2022 **GRANULAR WILDFIRE RISK, UPDATE OF LONG-TERM FOUNDATIONAL STRATEGY PSPS MITIGATION** SYSTEM HARDENING STRATEGY Grid hardening Refining risk analysis models Expanded grid hardening Bolstering situational Inspection strategy evolution Updating risk prioritization awareness capabilities for vegetation management Reducing PSPS impacts **Enhancing operational** Continue reducing PSPS Aerial fire suppression practices impacts Adding new mitigation Advancing new technologies strategies 25

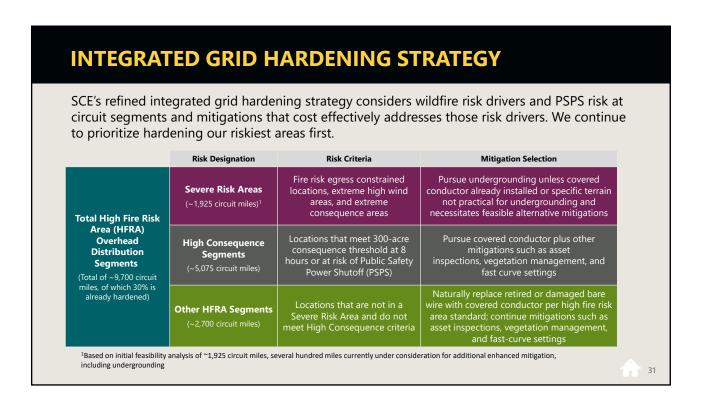


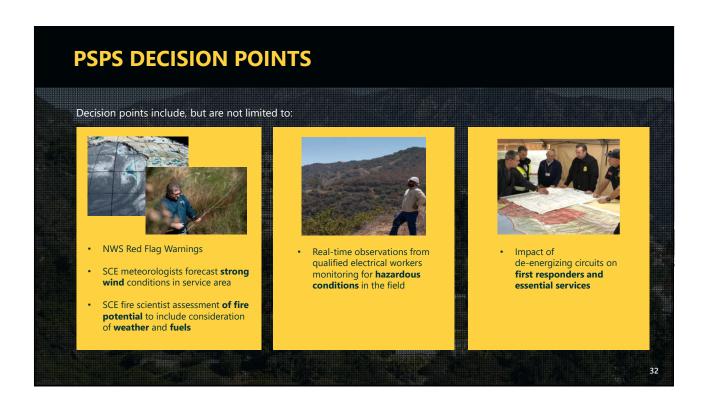


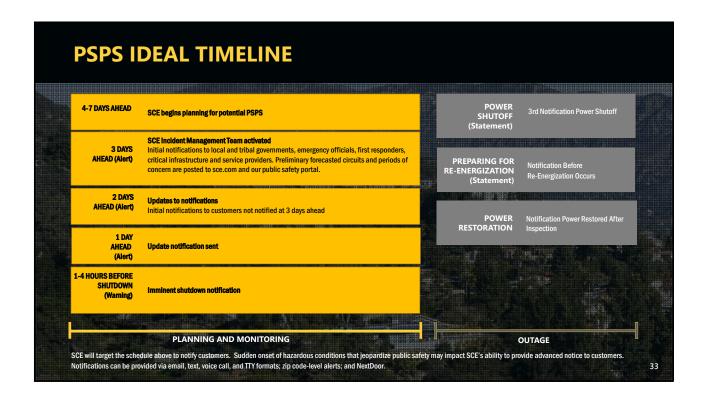


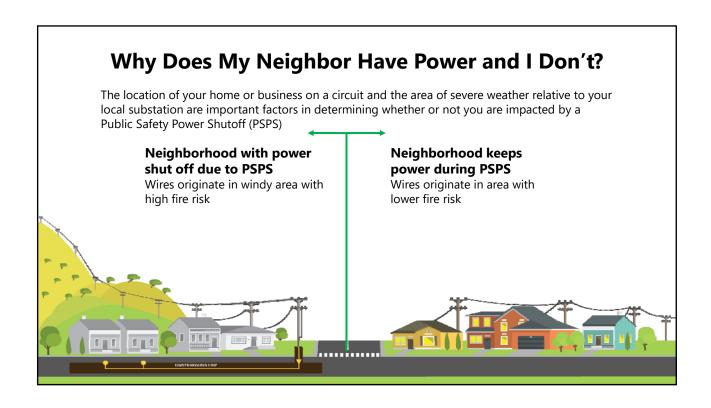


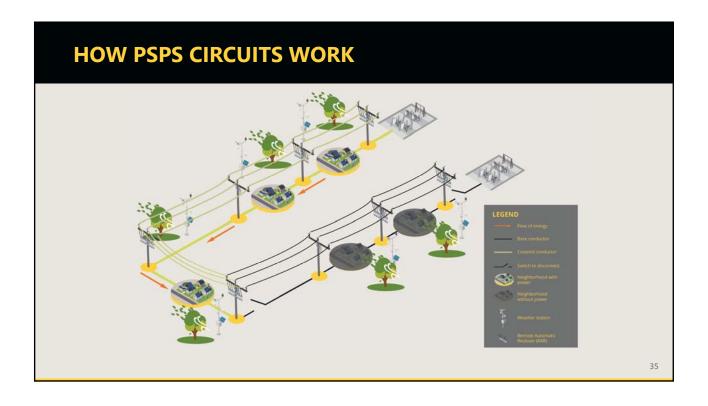














# **Calgrove Circuit Plan INCLUDE CITY RELEVANT CIRCUITS CALGROVE – LA COUNTY Planned Work:** LEGEND • Install 1 weather station to improve Substation situational awareness Overhead Underground **Expected Completion Date:** • 10/1/2022 **New Weather Station Expected Improvements:** • Benefits from a new weather station are anticipated, but magnitude of benefits depend on the weather conditions

# **Conejo Circuit Plan**

# LEGEND Substation Overhead Underground Switching Protocol

# INCLUDE CITY RELEVANT CIRCUITS CONEJO – LA COUNTY

# **Planned Work:**

• Update switching protocols to improve our circuit segmentation

# **Expected Completion Date:**

• 10/1/2022

# **Expected Improvements:**

• Benefits from switching protocols are anticipated, but magnitude of benefits is unknown at this time

# **Ferrara Circuit Plan**



# **Planned Work:**

• Replace 14.58 miles of existing overhead wire with new insulated wire

# **Expected Completion Date:**

• 10/1/2022

#### **Expected Improvements:**

• 100% reduction in customer outage time, assuming the extreme weather doesn't exceed the insulated wire threshold.

# Foothill Circuit Plan Operation Protocol Underground Planned Insulated Wires

# INCLUDE CITY RELEVANT CIRCUITS FOOTHILL – LA COUNTY

#### **Planned Work:**

- Replace 1 mile of existing overhead wire with new insulated wire
- Implement operation protocols to raise PSPS windspeed thresholds

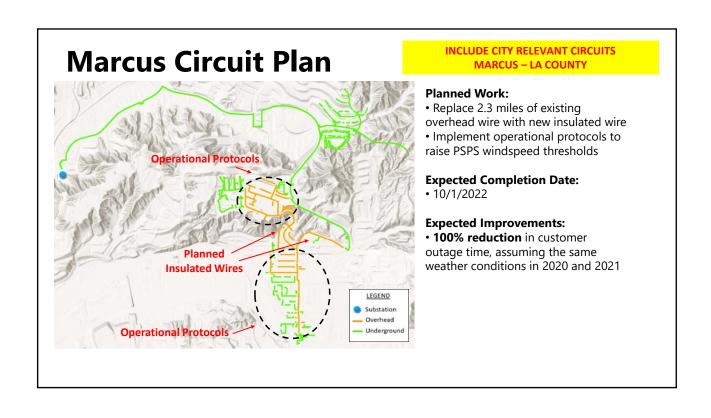
# **Expected Completion Date:**

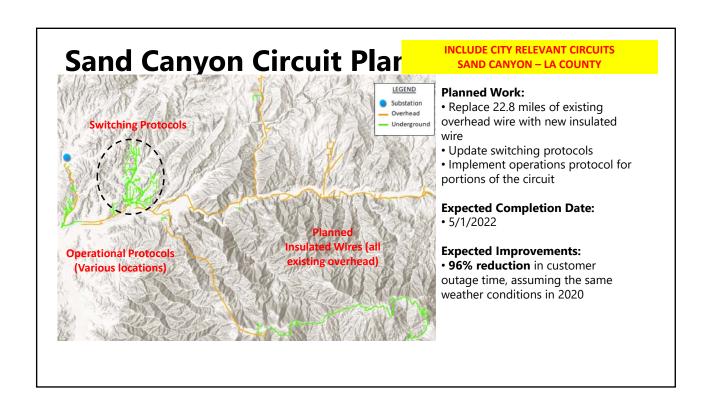
• 10/1/2022

# **Expected Improvements:**

• 100% reduction in customer outage time, assuming the same weather conditions in 2020

# **INCLUDE CITY RELEVANT CIRCUITS Julius Circuit Plan** JULIUS – LA COUNTY **Planned Work:** • Replace 2.2 miles of existing overhead wire with new insulated • Implement operational protocols to raise PSPS windspeed thresholds **Expected Completion Date:** • 10/1/2022 **Expected Improvements:** • 100% reduction in customer outage time, assuming the same **Planned** LEGEND weather conditions in 2020 and 2021 **Insulated Wires** Substation **Operational Protocols**





# Vicasa Circuit Plan

**Switching Protocols** 

INCLUDE CITY RELEVANT CIRCUITS
VICASA – LA COUNTY

# **Planned Work:**

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

# **Expected Completion Date:**

• 10/1/2022

Weather

# **Expected Improvements:**

• Benefits from a new weather station are anticipated, but magnitude of benefits is still under review

# **Whizzin Circuit Plan**

Substation



# INCLUDE CITY RELEVANT CIRCUITS WHIZZIN – LA COUNTY

# **Planned Work:**

- Implement switching protocols to improve segmentation
- Implement operational protocols to raise PSPS windspeed thresholds

# **Expected Completion Date:**

• 10/1/2022

# **Expected Improvements:**

 Benefits from operational or switching protocols are anticipated, but magnitude of benefits is still under review