



El Porto Project City of Manhattan Beach

September 2014



Presentation Outline

- Overview of Reliability in Manhattan Beach
- Overview of the El Porto Project
- Q&A

Keeping the Grid Reliable For You



- As part of our long-term plan to upgrade and modernize our grid, Southern California Edison (SCE) is making electrical upgrades in Manhattan Beach and across the region.
- At SCE, it is our job to make sure that our customers have the robust electrical infrastructure needed to continue to power their future energy needs.
- Upgrading to newer equipment will make the power grid up-to-date and minimize the likelihood of unanticipated and extended outages.

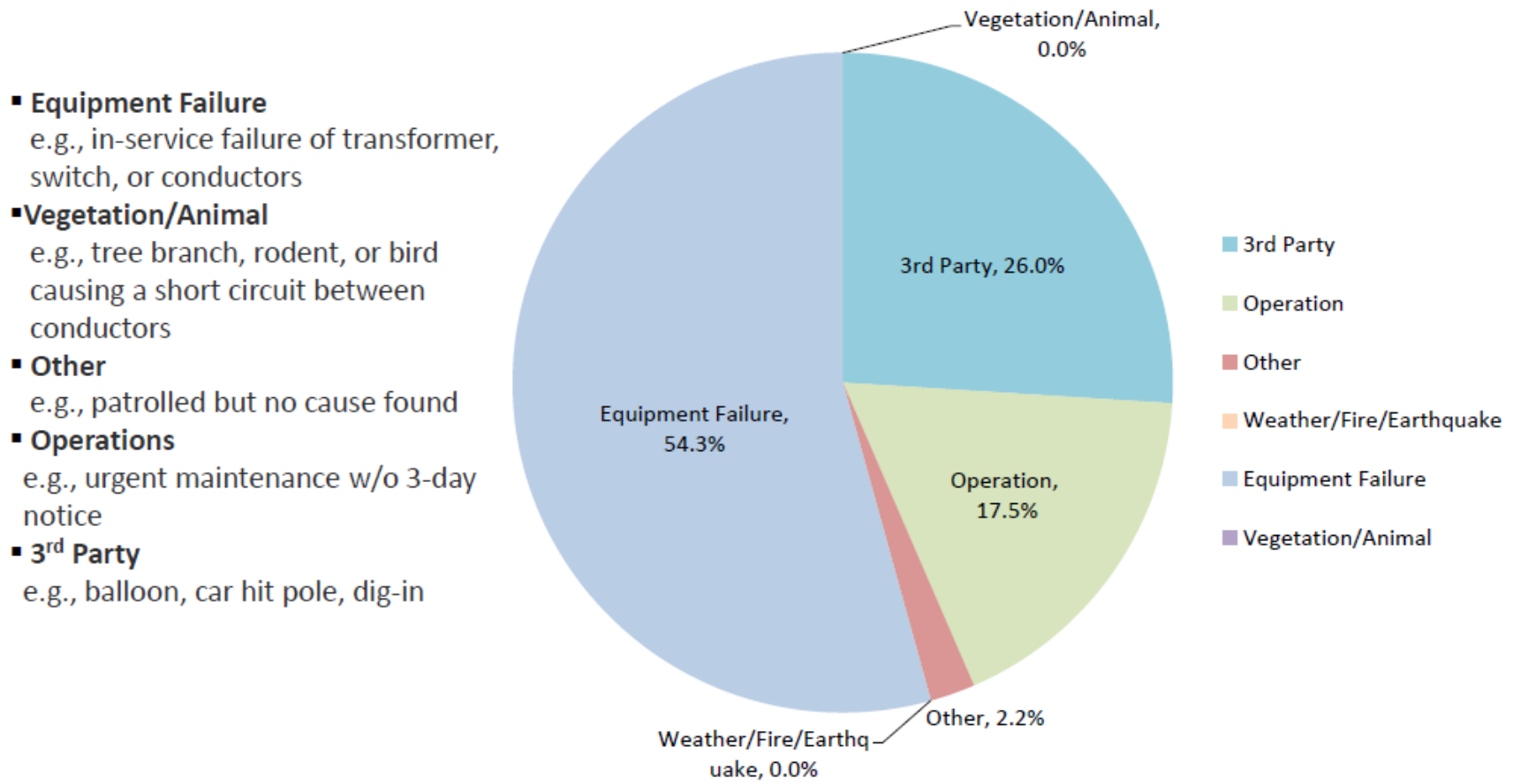
Reliability History of Circuits Serving Manhattan Beach (No Exclusions)



** "Exclusions" are days which utilities are allowed to remove from their metrics because the outages on those days were caused by acts of nature.

Causes of Repair Outages in Manhattan Beach Circuits

Contributions to SAIFI by Outage Cause



SAIFI = the number of times the average customer is interrupted by "sustained" outages each year.

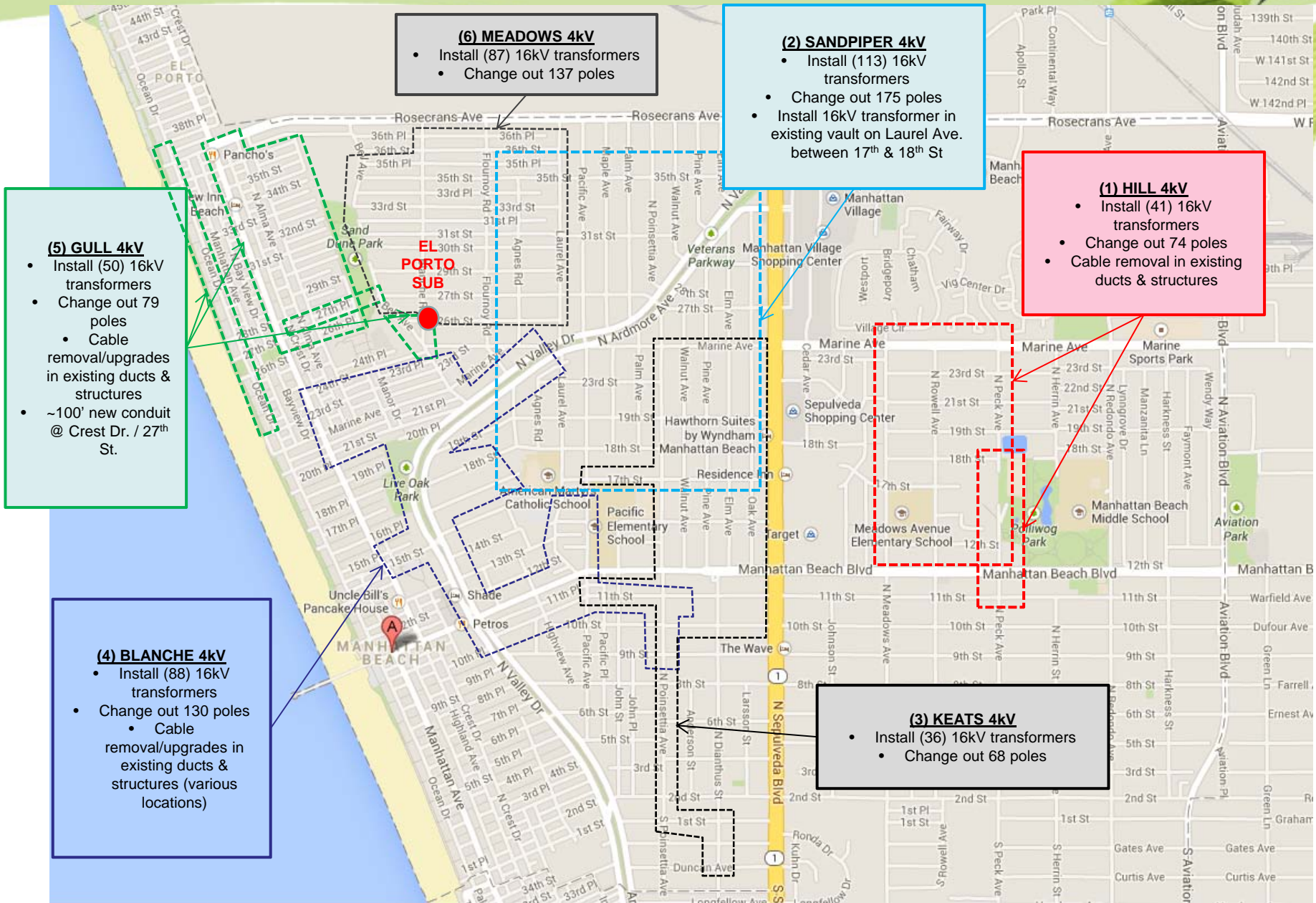
El Porto Project Overview

- SCE reviewed circuit loading and circuit outage history for the area, outage causes, & identified areas for improvement
- Meet load growth electrical demands by cutting over 4kV circuits to 16kV circuits
- Construction activities will include:
 - Replace over 660 poles
 - Install 154 new transformers
 - Upgrade equipment in existing underground structures



Overview of Construction Activities for El Porto Project

Leading the Way in Electricity™





Anticipated Work Activities

- Construction will begin mid-September 2014 through mid-2015
 - This schedule may change due to weather and other factors
 - Construction will not occur at one location throughout this entire period; crews will move from location to location as work is completed
- Crews may need to access your property to replace poles. You will be notified when crews enter the property.
- During construction, there will be lane closures. SCE will use a combination of traffic control signs and crew members with flags to ensure vehicle and pedestrian safety.
- For crews to work safely, it will be necessary to de-energize our power lines for short periods of time. In these cases, SCE will send notices to affected customers at least 72 hours prior to maintenance outages.

Maintenance Outages

- Website: sce.com/outage
- SCE Mobile Outage App


The screenshot shows the SCE Outage Search website. At the top, there is a navigation bar with the Southern California Edison logo, a search bar, and links for 'Pay Your Bill', 'Turn On/Turn Off Service', 'Outage Center', 'Your Safety', and 'Contact Us'. Below the navigation bar, the breadcrumb trail reads 'Home > Applications > Outage Communications > Outage Search'. The main content area is titled 'OutageSearch' and features a large graphic with a worker and the text 'THE OUTAGE CENTER OUTAGE SEARCH SCREEN'. To the left of this graphic is a 'Help' section with instructions on how to use the ZIP Code search for current outages and the Planned/Maintenance Outage Number search for planned/maintenance outages. Below the instructions are two search forms: one for 'Zip Code' and one for 'Planned Outage Number', each with a 'GO' button.

The screenshot shows the SCE Mobile Outage App interface on three mobile devices. The central device is a smartphone displaying the 'View Outage Map' screen, which includes a search bar, a map of the area, and a 'List View' button. The left device is an iPhone displaying the 'Outage Center' screen, which includes a welcome message, a search bar, and buttons for 'View Current Outages', 'Report an Outage', and 'Report a Street Light Outage'. The right device is an iPhone displaying the 'Santa Monica' outage details screen, which includes a table with the following information:


Outage Alert No.	117611
Outage Type	Upplanned
Restoration ETA	July 25, 2012, 3:00 pm
Last Updated	July 25, 2012, 10:58 am
Start Time	July 25, 2012, 9:31 am
Customers Impacted	10
Cause	Equipment Problems
Crew Status	We are in the process of completing repairs.
Additional Info	Not Available

Public Outreach and Communication

Important Information About A Construction Project Near You



FOR OVER 100 YEARS... LIFE. POWERED BY EDISON.



El Porto Project
Construction Update
AUGUST 2014

INFORMATION ABOUT A SCE PROJECT IN YOUR AREA

As part of our long-term plan to upgrade and modernize our grid, Southern California Edison (SCE) will be making electrical upgrades (as part of the El Porto Project) in the city of Manhattan Beach. You will see SCE or its contractors in your area making these upgrades.

System upgrades you'll see in your area:

- Crews will replace existing electrical poles and will upgrade underground structures and equipment.
- Some excavation and trenching may occur during construction.

Anticipated Schedule

- Dates: Mid-September 2014 to 2015
- Hours: Monday – Friday, 7:30 a.m. – 6:00 p.m.*
*Please be advised these dates and times are subject to change due to unforeseen operational factors or inclement weather.

We appreciate your patience as we strive to provide you with a bright future of reliable service.

More information

For more information about the project, please visit on.sce.com/elporto.

For general questions,

Ronald Garcia
SCE Region Manager
626-303-8419

We cordially invite you to attend Community Meetings where we will be presenting information about construction activities for the El Porto Project. We will also have information about outages and our programs and services.

TUESDAY, SEPTEMBER 9, 2014

Joslyn Center
1601 Valley Drive, Manhattan Beach, CA 90266
Doors Open – 5:30 p.m.
Presentation – 6:00 - 6:30 p.m.
One-on-one with SCE Employees – 6:30 - 7:30 p.m.
(This meeting will provide an overview of the El Porto Project.)

WEDNESDAY, SEPTEMBER 10, 2014

Manhattan Beach Preschool
1431 15th Street, Manhattan Beach, CA 90266
Presentation – 5:30 p.m.
(This meeting will provide an overview of the El Porto Project and information specific to the Hill Circuit.)





For More Information

Website: on.sce.com/elporto

Ronald Garcia
SCE Region Manager
626-303-8419