

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

Commission Order Instituting Investigation Into
the Rates, Charges, Services, and Practices of
Pacific Gas & Electric Company (U 39-M)

I.95-02-015
(Filed February 22, 1995)

Order Instituting Rulemaking for Electric
Distribution Facility Standard Setting.

R.96-11-004
(Filed November 8, 1996)

**SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) ANNUAL REPORT OF
2012 DISTRIBUTION INSPECTIONS SUBMITTED PURSUANT TO GENERAL
ORDER NO. 165**

KRIS G. VYAS
ROBERT F. LeMOINE

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-6613
Facsimile: (626) 302-6997
E-mail: kris.vyas@sce.com

Dated: **July 1, 2013**

**SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) ANNUAL REPORT OF 2012
DISTRIBUTION INSPECTIONS SUBMITTED PURSUANT TO GENERAL ORDER NO. 165**

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
I. SUMMARY OF SCE'S DISTRIBUTION INSPECTIONS DURING CALENDAR YEAR 2012.....		2
II. DETAILS OF SCE'S DISTRIBUTION INSPECTIONS DURING CALENDAR YEAR 2012.....		3
A. Patrols		3
1. Grid Patrols (Urban and Rural).....		3
2. Streetlight Patrols (Urban and Rural)		3
B. Detailed Inspections.....		4
1. Overhead Detailed Inspections		4
2. Underground and Pad-Mounted Equipment Detailed Inspections		4
3. Intrusive Wood Pole Inspections		5

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

Commission Order Instituting Investigation Into
the Rates, Charges, Services, and Practices of
Pacific Gas & Electric Company (U 39-M)

I.95-02-015
(Filed February 22, 1995)

Order Instituting Rulemaking for Electric
Distribution Facility Standard Setting.

R.96-11-004
(Filed November 8, 1996)

**SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) ANNUAL REPORT OF
2012 DISTRIBUTION INSPECTIONS SUBMITTED PURSUANT TO GENERAL
ORDER NO. 165**

Pursuant to General Order No. 165 (“GO 165”) and Decision No. (“D.”) 97-03-070 issued by the California Public Utilities Commission (the “Commission”), Southern California Edison Company (“SCE”) respectfully submits its 2012 Annual Report of distribution inspections completed in 2012 (“Report”). SCE submits this Report in accordance with D.12-01-032, issued in Rulemaking (“R.”) 08-11-005. That decision amended the GO 165 reporting requirements effective January 12, 2012.

The data in this Report is based on information retrieved from SCE’s Work Management System (“WMS”) at a particular juncture. SCE’s overhead and underground electric distribution system is large and dynamic. Equipment quantities, system configurations, and system conditions are continually changing as a result of many factors, including but not limited to: (1) customer-related issues or constraints; (2) weather and environmental conditions; (3) the addition and/or removal of equipment to accommodate new customer connections and load growth; (4) requests from customers, cities, and governmental agencies to relocate facilities;

(5) the sale and/or acquisition of existing distribution systems; and (6) the retirement and replacement of aging plant. In addition, minor errors may occur in the entry of data into WMS. For example, a large amount of data is entered into WMS by linemen, troublemen, and other field personnel that work on our electrical system. Although these field personnel receive training on the field tools (such as laptop computers), virtually none of these individuals are experts or specialists in data entry.

Additionally, the enormous system conversion we undertook when we implemented SAP as a Company-wide technology solution in 2010 necessarily resulted in business process changes. Those changes affected how data was created, utilized, and managed.

I.

SUMMARY OF SCE’S DISTRIBUTION INSPECTIONS DURING CALENDAR YEAR

2012

Type of Inspection (1)	Due (2)	Outstanding (3)
Patrols by Grid	17,560	0
Streetlight Patrols by Equipment	647,724	0
Overhead Detailed by Grid	4,580	0
Underground Detailed by Equipment	173,683	15
Wood Pole Intrusive by Pole	13,479	656

Notes on the Summary Table:

Column Number 1: Each inspection type is defined by the basis for actually reporting “units” of the inspection. Patrols and overhead detailed inspections account for each grid inspected, where a grid is a defined geographical area averaging about three quarters of a square mile. Streetlight patrols and underground detailed inspections account for each equipment and structure inspected. Intrusive pole inspections account for each individual pole inspected.

Column Number 2: This column reports total inspections due in the reporting period, and does not include outstanding inspections from prior years. Inspection records for years prior to 2012 are documented in SCE's previous annual GO 165 reports, on file with the Commission.

Column Number 3: This column reports total required inspections that were not completed in the reporting period. It does not include outstanding inspections from prior years. That information is documented in SCE's previous annual GO 165 reports, as submitted to the Commission.

II.

DETAILS OF SCE'S DISTRIBUTION INSPECTIONS DURING CALENDAR YEAR

2012

SCE includes below a narrative summary of the required GO 165 annual inspection performance data.

A. Patrols

1. Grid Patrols (Urban and Rural)

As defined in GO 165, a patrol is a simple visual inspection of applicable utility equipment and structures. A patrol is designed to identify obvious structural problems and hazards. GO 165 requires annual patrols of applicable utility equipment and structures in urban areas and all high fire hazard areas, and biennial patrols in non-high fire rural areas. In 2012, SCE completed patrols on all 17,560 urban and rural grids, which comprised 100% of its grids due for patrol type inspections.

2. Streetlight Patrols (Urban and Rural)

GO 165 requires annual patrols of all urban streetlights, and biennial patrols of all rural streetlights. In 2012, SCE patrolled 647,724 streetlights, which comprised 100% of its streetlight inventory due for streetlight patrol type inspections.

B. Detailed Inspections

Per the GO 165 requirements for specific types of equipment, SCE performs more extensive inspections when conducting detailed inspections on overhead and underground assets.

1. Overhead Detailed Inspections

As part of a work levelization strategy, SCE completed an additional 102 overhead detailed grid inspections over and above what was due in 2012; SCE completed 102% of the inspections that were due.¹ As noted in the Inspection Summary Table, there were no outstanding overhead detailed inspections in 2012.

2. Underground and Pad-Mounted Equipment Detailed Inspections

SCE completed 174,424 underground and pad-mounted equipment detailed inspections. This represented more than 100% of the 173,683 such inspections that were due in 2012. As reflected in the Inspection Summary Table, there was a balance of 15 outstanding underground detailed inspections in 2012 due to access issues.

As SCE discussed in its previous GO 165 Report (submitted last year), SCE intended to increase the number of underground and pad-mounted detailed inspections in the Underground Detailed Inspection (“UDI”) program. This occurred because SCE expanded the program to encompass underground structures which may or may not actually contain equipment.

By the end of 2012, SCE performed detailed inspections and/or visual verification of the remaining underground structures identified in SCE’s SAP system as containing no equipment. Any structures that were found to actually contain equipment were or will be

¹ A total of 4,580 overhead detailed grid inspections were due in 2012.

detail-inspected and all structures, whether or not they contain equipment, will be added to the UDI program.

3. Intrusive Wood Pole Inspections

In 2012, SCE was able to continue the grid-based inspection program that SCE commenced in 2009. Under this program, we align our wood pole inspection cycles so that all poles located within the same grid share the same cycle. In other words, we perform intrusive inspections on all poles within a grid, not just those poles that happened to be due for intrusive inspection. As a result, in any given year the number of poles actually inspected will exceed the number of poles due to be inspected in the year.

A total of 13,479 wood poles were due for intrusive wood pole inspection in 2012. SCE completed 59,690 actual intrusive inspections and 14,385 visual inspections. A visual inspection includes a sounding and visual examination of the pole instead of borings. There were 656 outstanding intrusive pole inspections; these inspections were held up as a result of third-party constraints such as access or obstruction issues, or because of difficulties in locating certain poles.

Respectfully submitted,

KRIS G. VYAS
ROBERT F. LeMOINE

/s/ Kris G. Vyas

By: Kris G. Vyas

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-6613
Facsimile: (626) 302-6997
E-mail: kris.vyas@sce.com

July 1, 2013

VERIFICATION

I am Vice President of Power Delivery for the Transmission and Distribution Business Unit of Southern California Edison Company, and am authorized to make this verification on its behalf. I am informed and believe that the matters stated in the foregoing document are true.

I declare under penalty of perjury that the foregoing is true and correct.

Executed this **1st day of July, 2013**, at Pomona, California.

/s/ Walter Johnston _____

Walter Johnston

Vice President, Power Delivery

SOUTHERN CALIFORNIA EDISON COMPANY

1 Innovation Way
Pomona, California 91768