



Annual Report Distribution System Inspection Program 2016

Prescribed by the California Public Utilities Commission (CPUC), General Order 165 (GO 165) establishes requirements for inspection of electric distribution facilities in order to ensure safe and high-quality electrical service. SMUD meets the standard of care laid out in GO 165 via its Distribution Line Inspection Program.

This program includes inspections of SMUD’s distribution system on cycles that meet the guidelines as set forth in California’s Public Utility Commission’s General Order 165 (GO 165). The inspections are grouped in the following three categories: Patrol, Detailed, and Wood Pole Intrusive.

A patrol inspection is a simple visual inspection, of applicable utility equipment and structures, which is designed to identify obvious structural problems and hazards. Patrols inspections are conducted annually on all of SMUD’s electric distribution facilities.

A detailed inspection is one where individual pieces of equipment and structures are carefully examined, visually and through use of a routine diagnostic test, as appropriate, and (if practical and if useful information can be so gathered) opened, and the condition of each rated and recorded. Detailed inspections cycles are every five years for Overhead and Padmount equipment and every three years for underground equipment.

An intrusive inspection involves movement of soil, taking samples for analysis, and/or using more sophisticated diagnostic tools beyond visual inspections of instrument reading. Depending on the age and condition of the pole, inspections are required every 10 or 20 years.

This table contains the results of SMUD’s Distribution Line Inspection Program conducted in the 2016 calendar year.

Table 1 – 2016 Electric Distribution Inspection Summary*

Type of Inspections	Due ¹	Outstanding ²
Patrol Inspections	9,340 circuit miles	0
Overhead and Padmounted Detailed Inspections	36,419 locations	0
Underground Detailed Inspections	136 locations	0
Wood Pole Intrusive Inspections	2,212 locations	0

Notes:

*The format and contents of the table and accompanying notes are as set forth in GO 165.

- 1) Total inspections due in the reporting period. (Does not include outstanding inspections from prior years.)
- 2) Total inspections required that were not completed in the reporting period. (Does not include outstanding inspections from prior years.)