

VERIFICATION

I affirm that the contents of this report are true to the best of my knowledge, signed under penalty of perjury this 30th day of June 2003, in San Diego, California.

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Electric Distribution Services

SAN DIEGO GAS and ELECTRIC

CORRECTIVE MAINTENANCE PROGRAM

REPORT FOR

2002

INTRODUCTION

This report contains the results of San Diego Gas and Electric's (SDG&E) General Order (GO) 165 compliance program for inspection and maintenance of electric distribution facilities for the period January 1 through December 31, 2002.

SDG&E's GO 165 compliance program is called the Corrective Maintenance Program (CMP) and is managed through SDG&E's Electric Distribution Services Department. By coordinating with the Construction & Operations (C&O) Centers' Electric Supervisors, Inspectors, Linemen, and other personnel, the inspections required by the CMP are performed and follow-up work to correct deficiencies is completed. CMP uses the DIMS (Distribution Inspection Maintenance System) electronic database to schedule, record, and track all inspections and repair work required under GO 165. Monthly status reports are produced to track the progress of the inspections and repair work.

This report is divided into patrol and detailed inspections. The detailed inspections are shown as a total and percentage breakdown of number of equipment inspected, repaired, and repairs awaiting completion with an explanation. Items needing immediate attention are repaired immediately. Corrective action for all items other than those rated as needing immediate attention is rated as needing completion within a 12-month cycle. Items that exceeded the 12-month repair completion date are noted with an explanation. The data, historically provided in descriptive form, is also included in a table. Next year's report will present the data in tabular form only.

As a result of CPUC Decision D.00-04-029, Bercovitch vs. SDG&E, SDG&E adopted a policy of contacting property owners whose property contained abandoned poles that SDG&E proposed to remove as required under GO 95, Rule 31.6. The Decision resulted in a number of abandoned poles that have not been removed awaiting reply from the property owner on whether there may be potential future use of the abandoned poles. The lines are de-energized and inspected during the patrol and detail inspections to insure they do not become a hazard. There is no estimated completion date until a response is received from the customer. If no future use is determined, the poles will be removed. If the customer desires to keep the poles for future service, the poles will continue to be inspected and maintained.

The quantity of equipment is dynamic because of additions and removals of equipment due to various reasons such as replacement, demolition, new customers, and conversion of overhead lines to underground lines. When new equipment is added it is regarded as inspected at date of installation. The new piece of equipment is then scheduled for inspection during the next inspection cycle. All equipment in the current inventory is scheduled for inspection at the required interval.

All facilities scheduled for inspection in 2004 are included as Attachment "A" in accordance with GO 165. Equipment inspections are divided into categories of equipment type, subdivided by district, and further subdivided by geographic region maps and the proposed month of inspection. Actual inspections per month may vary due to operating conditions, weather, administrative shifts in inspection areas,

or other unanticipated impacts. All equipment of a given structure is inspected at the same time and the inspection record is documented in the structure record. The CMP goals for the year are determined by the system-wide counts of facilities in each inspection type, divided by the number of years in the cycle length.

SDG&E completes all inspections within the year scheduled unless access was denied by outside forces such as property owners or environmental permits. In cases where inspectors are denied access, attempts are made through legal and other means to gain access; in addition, monitoring of these locations is coded to enable ultimate reconciliation with the requirements of GO 165. Equipment that does not require repairs, but may have access issues, is not reported as needing maintenance.

The individual segments for 2002 are as follows:

Patrols

A simple visual inspection of applicable utility equipment and structures that is designed to identify obvious structural problems and hazards. The patrols may be performed in the course of other company business. Patrols are divided into urban and rural areas as defined in GO 165.

Detailed overhead visual inspection (OHVI)

A walking program of visual inspection of overhead facilities and primarily pole mounted equipment. All overhead distribution facilities attached to any pole are inspected. The number of poles will differ from the intrusive pole inspection number since some facilities are attached to transmission poles or poles owned by SBC.

Detailed underground external inspection (Dead Front - AGE)

An inspection cycle in which each qualifying piece of equipment is opened for an inspection of the cabinet interior and associated components, as well as, an inspection of the cabinet exterior and supporting structures. The internal portion of this inspection was started on July 1, 1999. This inspection is now the same as the "Detailed underground internal inspection"; however, the data is being maintained separately for future comparative purposes.

Detailed underground internal inspection (Live Front - AGI)

An inspection cycle in which each qualifying piece of equipment is opened for an inspection of the cabinet interior and associated components, as well as, an inspection of the cabinet exterior and supporting structures. An internal inspection incorporates an external inspection and is a superset of the external inspection activities.

Underground subsurface inspections (SS3)

An inspection cycle in which each subsurface enclosure containing qualifying pieces of equipment except switches is opened for an inspection of the interior and associated components inside, as well as, an inspection of the enclosure exterior. All switches are inspected under the switch inspection cycle.

Underground oil and gas switch inspection (SW)

This is a specialized internal inspection of oil and gas filled switches found in pad-mounted enclosures and subsurface underground structures (vaults, manholes, etc.). Oil samples and pressure readings are obtained, recorded, and laboratory analysis of oil samples is performed.

Intrusive wood pole reinforcement inspection

A contractor performs external and intrusive wood pole inspections for integrity, as well, as wood preservative treatments and pole reinforcements. This number will differ from the overhead visual Inspection number of poles since only SDG&E-owned distribution poles are included in the intrusive inspection.

2002 ANNUAL REPORT

PATROLS

Following is the percentage of SDG&E's system in urban and rural areas that was patrolled during 2002:

- Urban Area
 - 100 Percent of system maps patrolled during year.
 - 100 Percent of system maps patrolled during annual cycle.

- Rural Area
 - 51 Percent of system maps patrolled during first year of 2-year cycle.
 - 100 Percent of system maps to be patrolled during 2-year cycle.

Following are the number of problems identified and fixed that were found by overhead and underground patrols:

Overhead Patrol

- | | |
|------------------------------------|-------|
| • Broken hardware | 4 |
| • Poles leaning badly /
Damaged | 8 |
| • Broken Crossarms | 4 |
| • Foreign Objects | 3 |
| • Conductors | 6 |
| • Street lights broken | 0 |
| • Critical Repair | 4 |
| | ===== |
| • Total | 29 |

Underground Patrol

- | | |
|---|-------|
| • Off Pad | 1 |
| • Cabinet and / or
cover or door damaged | 3 |
| • Street Lights broken | 0 |
| • Critical Repair | 4 |
| • Severe Corrosion | 4 |
| | ===== |
| • Total | 12 |

DETAILED INSPECTIONS

Overhead Visual

- Detailed inspections of all poles including transmission and SBC-owned poles with overhead distribution facilities attached are scheduled to be performed on a 5-year cycle. Approximately 20% of SDG&E's total pole population will be inspected annually. Small variations in inspected percentages may occur yearly, but 100% are scheduled to be completed every 5 years. Pole mounted equipment and conductors supported by the poles are inspected at the same time. As with the poles the annual percentage may vary but 100% is scheduled to be inspected every 5 years. This is the 5th year of the cycle. It was found during preparation of this report in 2003 that 24 poles system wide were mapped incorrectly and were not inspected on the 5-year cycle. These poles have been mapped and have now been inspected.
- The detailed overhead inspection requires that each pole position be visited and the pole and the equipment supported by the pole, including conductors, transformers, switches, protective devices, regulators, and capacitors be carefully examined visually for conformance to CPUC General Order 95 requirements. By systematically inspecting all poles and the equipment they support, required equipment inspections target completion within the time frames prescribed by General Order 165.
- Corrective action, for all conditions other than those needing immediate attention, is handled on a 12-month cycle. Equipment and spans of conductor needing corrective action are managed by the structure that supports them.

DETAILED OVERHEAD INSPECTIONS

- **Beach Cities District**

- Poles

- Number of poles in District 22,671.
- Number of poles inspected during reporting year 4788. Inspected poles as a % of poles in District 21.3%.
- Number of poles inspected during current inspection cycle 22,666. Inspected poles as a % of poles in district 99.9%. Due to mapping error, 5 poles were not found on maps during cycle but are now inspected.
- Number of poles, including pole mounted equipment and spans of conductor, inspected during current inspection cycle coded as needing maintenance activity 2,265. Poles, including pole mounted equipment and spans of conductor, needing maintenance as a % of poles inspected during current inspection cycle 47.3 %.
- % Of needed corrective actions, including pole mounted equipment and spans of conductor, completed during 12 month cycle 100%.

- Overhead Transformer Stations

- Number of overhead transformer stations in District 5,852.
- Number of overhead transformer stations inspected during reporting year 1,246. Inspected overhead transformer stations as a % of overhead transformer stations in District 21.5%.
- Number of overhead transformer stations inspected during current inspection cycle 5,852. Inspected transformers as a % of transformers in district 100.0%.

- Overhead Switching / Protective Devices

- Number of overhead switching / protective devices in District 2,344.
- Number of overhead switching / protective devices inspected during reporting year 549. Inspected switching / protective devices as a % of switching / protective devices in District 23.6%.
- Number of switching / protective devices inspected during current inspection cycle 2,344. Inspected switching / protective devices as a % of switching / protective devices in district 100.0%.

- Overhead Regulator / Capacitor Stations

- Number of overhead regulator / capacitor stations in District 176.
- Number of overhead regulator / capacitor stations inspected during reporting year 37. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in District 21.3%.
- Number of regulator / capacitor stations inspected during current inspection cycle 176. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in district 100.0%.

- **Beach Cities District (Cont.)**

- Overhead Conductors and Cables
- Number of spans of overhead conductors and cables in District 22,670.
- Number of spans of overhead conductors and cables inspected during reporting year 4,787. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in District 21.3%.
- Number of spans of overhead conductors and cables inspected during current inspection cycle 22,667. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in district 99.9%.

DETAILED OVERHEAD INSPECTIONS (Cont.)

- **Eastern District**

- Number of poles in District 59,834.
- Number of poles inspected during reporting year 12,424. Inspected poles as a % of poles in District 20.9%.
- Number of poles inspected during current inspection cycle 59,830. Inspected poles as a % of poles in district 99.9%. Due to mapping error, 4 poles were not found on maps during cycle but are now inspected.
- Number of poles, including pole mounted equipment and spans of conductor, inspected during current inspection cycle coded as needing maintenance activity 7,477. Poles, including pole mounted equipment and spans of conductor, needing maintenance as a % of poles inspected during current inspection cycle 60.2%.
- % Of needed corrective actions, including pole mounted equipment and spans of conductor, completed during 12 month cycle 99.9%, 0.1% pending completion.
 - If this answer is not 100% explain and provide date corrective actions to be completed by:
 - P774751 – ETA Unable to estimate, awaiting customer reply
 - PP774752 – ETA Unable to estimate, awaiting customer reply

- Overhead Transformer Stations

- Number of overhead transformer stations in District 18,032.
- Number of overhead transformer stations inspected during reporting year 3,650.
- Inspected overhead transformer stations as a % of overhead transformer stations in District 20.4%.
- Number of overhead transformer stations inspected during current inspection cycle 18,032. Inspected transformers as a % of transformers in district 100.0%.

- Overhead Switching / Protective Devices

- Number of overhead switching / protective devices in District 5,356.
- Number of overhead switching / protective devices inspected during reporting year 844. Inspected switching / protective devices as a % of switching / protective devices in District 15.9%.
- Number of switching / protective devices inspected during current inspection cycle 5,356. Inspected switching / protective devices as a % of switching / protective devices in district 100.0%.

- **Eastern District (Cont.)**

- Overhead Regulator / Capacitor Stations

- Number of overhead regulator / capacitor stations in District 303.
- Number of overhead regulator / capacitor stations inspected during reporting year 47. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in District 15.8%.
- Number of regulator / capacitor stations inspected during current inspection cycle 303. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in district 100.0%.

- Overhead Conductors and Cables

- Number of spans of overhead conductors and cables in District 59,833.
- Number of spans of overhead conductors and cables inspected during reporting year 12,423. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in District 20.1%.
- Number of spans of overhead conductors and cables inspected during current inspection cycle 59,823. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in district 99.9%.

DETAILED OVERHEAD INSPECTIONS (Cont.)

- **Metro District**

- Poles
- Number of poles in District 44,440.
- Number of poles inspected during reporting year 8,427. Inspected poles as a % of poles in District 19.4%.
- Number of poles inspected during current inspection cycle 44,435. Inspected poles as a % of poles in district 99.9%. Due to mapping error, 5 poles were not found on maps during cycle but are now inspected.
- Number of poles, including pole mounted equipment and spans of conductor, inspected during current inspection cycle coded as needing maintenance activity 4,389. Poles, including pole mounted equipment and spans of conductor, needing maintenance as a % of poles inspected during current inspection cycle 52.1%.
- % Of needed corrective actions, including pole mounted equipment and spans of conductor, completed during 12 month cycle 99.8%, 0.2% pending completion.
 - If this answer is not 100% explain and provide date corrective actions to be completed by:
 - P231343 – ETA Unable to estimate, awaiting SBC pole replacement
 - P733265 – ETA Unable to estimate, awaiting SBC pole replacement
 - P732296 – ETA Unable to estimate, awaiting SBC pole replacement
 - P231464 – ETA Unable to estimate, awaiting SBC pole replacement
 - P736618 – ETA 11/03, awaiting removal by Rule 20 conversion job
 - P739767 – ETA Unable to estimate, awaiting SBC pole replacement
 - P837576 – ETA Unable to estimate, awaiting SBC pole replacement
- Overhead Transformer Stations
- Number of overhead transformer stations in District 10,973.
- Number of overhead transformer stations inspected during reporting year 1,832.
- Inspected overhead transformer stations as a % of overhead transformer stations in District 17.1%.
- Number of overhead transformer stations inspected during current inspection cycle 10,973. Inspected transformers as a % of transformers in district 100.0%.
- Overhead Switching / Protective Devices
- Number of overhead switching / protective devices in District 3,743.
- Number of overhead switching / protective devices inspected during reporting year 652. Inspected switching / protective devices as a % of switching / protective devices in District 17.7%.
- Number of switching / protective devices inspected during current inspection cycle 3,743. Inspected switching / protective devices as a % of switching / protective devices in district 100.0%.

- **Metro District (Cont.)**

- Overhead Regulator / Capacitor Stations

- Number of overhead regulator / capacitor stations in District 247.
- Number of overhead regulator / capacitor stations inspected during reporting year 44. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in District 18.0%.
- Number of regulator / capacitor stations inspected during current inspection cycle 247. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in district 100.0%.

- Overhead Conductors and Cables

- Number of spans of overhead conductors and cables in District 44,439.
- Number of spans of overhead conductors and cables inspected during reporting year 8,426. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in District 19.4%.
- Number of spans of overhead conductors and cables inspected during current inspection cycle 44,409. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in district 99.9%.

DETAILED OVERHEAD INSPECTIONS (Cont.)

- **North Coast District**

- Poles
 - Number of poles in District 22,953.
 - Number of poles inspected during reporting year 4,468. Inspected poles as a % of poles in District 19.6%.
 - Number of poles inspected during current inspection cycle 22,951. Inspected poles as a % of poles in district 99.9%. Due to mapping error, 2 poles were not found on maps during cycle but are now inspected.
 - Number of poles, including pole mounted equipment and spans of conductor, inspected during current inspection cycle coded as needing maintenance activity 4,468. Poles, including pole mounted equipment and spans of conductor, needing maintenance as a % of poles inspected during current inspection cycle 89.8%.
 - % Of needed corrective actions, including pole mounted equipment and spans of conductor, completed during 12 month cycle 100%.
- Overhead Transformer Stations
 - Number of overhead transformer stations in District 6,951.
 - Number of overhead transformer stations inspected during reporting year 1,364.
 - Inspected overhead transformer stations as a % of overhead transformer stations in District 19.6%.
 - Number of overhead transformer stations inspected during current inspection cycle 6,951. Inspected transformers as a % of transformers in district 100.0%.
- Overhead Switching / Protective Devices
 - Number of overhead switching / protective devices in District 3,225.
 - Number of overhead switching / protective devices inspected during reporting year 684. Inspected switching / protective devices as a % of switching / protective devices in District 21.2%.
 - Number of switching / protective devices inspected during current inspection cycle 3,225. Inspected switching / protective devices as a % of switching / protective devices in district 100.0%.
- Overhead Regulator / Capacitor Stations
 - Number of overhead regulator / capacitor stations in District 126.
 - Number of overhead regulator / capacitor stations inspected during reporting year 33. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in District 26.2%.
 - Number of regulator / capacitor stations inspected during current inspection cycle 126. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in district 100.0%.

- **North Coast District (Cont.)**

- Overhead Conductors and Cables
- Number of spans of overhead conductors and cables in District 22,952.
- Number of spans of overhead conductors and cables inspected during reporting year 4,467. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in District 19.5%.
- Number of spans of overhead conductors and cables inspected during current inspection cycle 22,952. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in district 100.0%.

DETAILED OVERHEAD INSPECTIONS (Cont.)

- **Northeast District**

- Poles

- Number of poles in District 65,485.
- Number of poles inspected during reporting year 13,003. Inspected poles as a % of poles in District 20.0%.
- Number of poles inspected during current inspection cycle 65,479. Inspected poles as a % of poles in district 99.9%. Due to mapping error, 6 poles were not found on maps during cycle but are now inspected.
- Number of poles, including pole mounted equipment and spans of conductor, inspected during current inspection cycle coded as needing maintenance activity 7,913. Poles, including pole mounted equipment and spans of conductor, needing maintenance as a % of poles inspected during current inspection cycle 60.9%.
- % Of needed corrective actions, including pole mounted equipment and spans of conductor, completed during 12 month cycle 98.5%, 1.5 % pending completion.
 - If this answer is not 100% explain and provide date corrective actions to be completed by:
 - Due to the Bercovitch Decision, 115 abandoned poles are awaiting disposition. The lines are de-energized and the poles are being inspected during the patrol and detail inspection cycle to insure they do not present a safety hazard. SDG&E is in the process of contacting the landowner to see if there is future use before removing poles. If there is no future use, the poles and conductors will be removed.

- Overhead Transformer Stations

- Number of overhead transformer stations in District 21,422.
- Number of overhead transformer stations inspected during reporting year 4,488.
- Inspected overhead transformer stations as a % of overhead transformer stations in District 21.1%.
- Number of overhead transformer stations inspected during current inspection cycle 21,422. Inspected transformers as a % of transformers in district 100.0%.

- Overhead Switching / Protective Devices

- Number of overhead switching / protective devices in District 5,128.
- Number of overhead switching / protective devices inspected during reporting year 1,326. Inspected switching / protective devices as a % of switching / protective devices in District 26.0%.
- Number of switching / protective devices inspected during current inspection cycle 5,128. Inspected switching / protective devices as a % of switching / protective devices in district 100.0%.

- **Northeast District (Cont.)**

- Overhead Regulator / Capacitor Stations

- Number of overhead regulator / capacitor stations in District 258.
- Number of overhead regulator / capacitor stations inspected during reporting year 59. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in District 23.1%.
- Number of regulator / capacitor stations inspected during current inspection cycle 258. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in district 100.0%.

- Overhead Conductors and Cables

- Number of spans of overhead conductors and cables in District 65,484.
- Number of spans of overhead conductors and cables inspected during reporting year 13,002. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in District 20.0%.
- Number of spans of overhead conductors and cables inspected during current inspection cycle 65,484. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in district 100.0%.

DETAILED OVERHEAD INSPECTIONS (Cont.)

- **Orange County District**

- Poles

- Number of poles in District 5,660.
- Number of poles inspected during reporting year 1,045. Inspected poles as a % of poles in District 18.5%.
- Number of poles inspected during current inspection cycle 5,658. Inspected poles as a % of poles in district 99.9%. Due to mapping error, 2 poles were not found on maps during cycle but are now inspected.
- Number of poles, including pole mounted equipment and spans of conductor, inspected during current inspection cycle coded as needing maintenance activity 661. Poles, including pole mounted equipment and spans of conductor, needing maintenance as a % of poles inspected during current inspection cycle 63.3%.
- % Of needed corrective actions, including pole mounted equipment and spans of conductor, completed during 12 month cycle 99.7%, 0.3% pending completion.
 - If this answer is not 100% explain and provide date corrective actions to be completed by:
 - P225161 – Unable to estimate completion date. Awaiting SBC equipment rearrangement to alleviate leaning pole.
 - P29286 - Unable to estimate completion date until private property access is resolved.

- Overhead Transformer Stations

- Number of overhead transformer stations in District 1,342.
- Number of overhead transformer stations inspected during reporting year 232.
- Inspected overhead transformer stations as a % of overhead transformer stations in District 17.3%.
- Number of overhead transformer stations inspected during current inspection cycle 1,342. Inspected poles as a % of transformers in district 100.0%.

- Overhead Switching / Protective Devices

- Number of overhead switching / protective devices in District 775.
- Number of overhead switching / protective devices inspected during reporting year 209. Inspected switching / protective devices as a % of switching / protective devices in District 26.9%.
- Number of switching / protective devices inspected during current inspection cycle 775. Inspected switching / protective devices as a % of switching / protective devices in district 100.0%.

- **Orange County District (Cont.)**
 - Overhead Regulator / Capacitor Stations
 - Number of overhead regulator / capacitor stations in District 60.
 - Number of overhead regulator / capacitor stations inspected during reporting year 17. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in District 28.3%.
 - Number of regulator / capacitor stations inspected during current inspection cycle 60. Inspected regulator / capacitor stations as a % of regulator / capacitor stations in district 100.0%.

 - Overhead Conductors and Cables
 - Number of spans of overhead conductors and cables in District 5,659.
 - Number of spans of overhead conductors and cables inspected during reporting year 1,044. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in District 18.5%.
 - Number of spans of overhead conductors and cables inspected during current inspection cycle 5,659. Inspected spans of overhead conductors and cables as a % of spans of overhead conductors and cables in district 100.0%.

UNDERGROUND (Pad mounted) INSPECTIONS

The underground pad mounted inspection consists of two separate inspection categories:

- Dead Front Equipment
- Live Front Equipment

Dead Front Equipment

Detailed inspections of all dead front, pad-mounted equipment, in the underground system is performed on a 5-year cycle. Approximately 20% of SDG&E's total pad mounted dead front equipment is inspected annually. Small variations in inspected percentages may occur yearly, but 100% are scheduled for inspection every 5 years. This is the 5th year of the cycle.

A detailed inspection of dead front, pad mounted equipment requires that each dead front, pad mounted piece of equipment be visited and the piece of equipment be opened and carefully examined externally and internally, by visual methods, for conformance to CPUC General Order 128 requirements.

PAD-MOUNTED DEAD FRONT EQUIPMENT

- **Beach Cities District**

- Transformers

- Number of pad mounted dead front transformers in District 10,782.
- Number of pad mounted dead front transformers inspected during reporting year 1,554. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 14.4%.
- Number of pad mounted dead front transformers inspected during current inspection cycle 10,782. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 100.0%.
- Number of dead front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 1,486. Dead front, pad mounted transformers needing maintenance as a % of dead front, pad mounted transformers inspected during current inspection cycle 95.6%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during reporting year 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during current inspection cycle 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of dead front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Dead front, pad mounted regulators / capacitors needing maintenance as a % of dead front, pad mounted regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

PAD-MOUNTED DEAD FRONT EQUIPMENT (Cont.)

- **Eastern District**

- Transformers

- Number of pad mounted dead front transformers in District 9,608.
- Number of pad mounted dead front transformers inspected during reporting year 1,656. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 17.2%.
- Number of pad mounted dead front transformers inspected during current inspection cycle 9,608. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 100.0%.
- Number of dead front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 1,449. Dead front, pad mounted transformers needing maintenance as a % of dead front, pad mounted transformers inspected during current inspection cycle 87.5%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during reporting year 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during current inspection cycle 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of dead front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Dead front, pad mounted regulators / capacitors needing maintenance as a % of dead front, pad mounted regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%

PAD-MOUNTED DEAD FRONT EQUIPMENT (Cont.)

- **Metro District**

- Transformers

- Number of pad mounted dead front transformers in District 10,389.
- Number of pad mounted dead front transformers inspected during reporting year 1,274. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 12.3%.
- Number of pad mounted dead front transformers inspected during current inspection cycle 10,389. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 100.0%.
- Number of dead front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 1,274. Dead front, pad mounted transformers needing maintenance as a % of dead front, pad mounted transformers inspected during current inspection cycle 91.1%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during reporting year 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during current inspection cycle 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of dead front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Dead front, pad mounted regulators / capacitors needing maintenance as a % of dead front, pad mounted regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

PAD-MOUNTED DEAD FRONT EQUIPMENT (Cont.)

- **North Coast District**

- Transformers

- Number of pad mounted dead front transformers in District 16,918.
- Number of pad mounted dead front transformers inspected during reporting year 2,778. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 16.4%.
- Number of pad mounted dead front transformers inspected during current inspection cycle 16,918. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 100.0%.
- Number of dead front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 2,647. Dead front, pad mounted transformers needing maintenance as a % of dead front, pad mounted transformers inspected during current inspection cycle 95.3%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during reporting year 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during current inspection cycle 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of dead front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Dead front, pad mounted regulators / capacitors needing maintenance as a % of dead front, pad mounted regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

PAD-MOUNTED DEAD FRONT EQUIPMENT (Cont.)

- **Northeast District**

- Transformers

- Number of pad mounted dead front transformers in District 19,079.
- Number of pad mounted dead front transformers inspected during reporting year 3,444. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 18.1%.
- Number of pad mounted dead front transformers inspected during current inspection cycle 19,079. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 100.0%.
- Number of dead front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 3,130. Dead front, pad mounted transformers needing maintenance as a % of dead front, pad mounted transformers inspected during current inspection cycle 90.9%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during reporting year 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during current inspection cycle 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of dead front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Dead front, pad mounted regulators / capacitors needing maintenance as a % of dead front, pad mounted regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

PAD-MOUNTED DEAD FRONT EQUIPMENT (Cont.)

- **Orange County District**

- Transformers

- Number of pad mounted dead front transformers in District 9,376.
- Number of pad mounted dead front transformers inspected during reporting year 1,544. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 16.5%.
- Number of pad mounted dead front transformers inspected during current inspection cycle 9,376. Inspected pad mounted dead front transformers as a % of pad mounted dead front transformers in District 100.0%.
- Number of dead front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 1,508. Dead front, pad mounted transformers needing maintenance as a % of dead front, pad mounted transformers inspected during current inspection cycle 97.7%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during reporting year 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of pad mounted dead front regulators / capacitors inspected during current inspection cycle 0. Inspected pad mounted dead front regulators / capacitors as a % of pad mounted dead front regulators / capacitors in District 0.
- Number of dead front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Dead front, pad mounted regulators / capacitors needing maintenance as a % of dead front, pad mounted regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

Live Front Equipment

- Detailed inspections of all live front, pad-mounted equipment in the underground system will be performed on a 5-year cycle. Approximately 20% of SDG&E's total pad mounted live front equipment will be inspected annually. Small variations in inspected percentages may occur yearly, but 100% are scheduled for inspection every 5 years. This is the 5th year of the cycle.
- A detailed inspection of live front, pad-mounted equipment requires that each piece of equipment be visited, opened, and carefully examined externally and internally, by visual methods, for conformance to CPUC General Order 128 requirements.

PAD-MOUNTED LIVE FRONT EQUIPMENT

- **Beach Cities District**

- Transformers

- Number of pad mounted live front transformers in District 1,589.
- Number of pad mounted live front transformers inspected during reporting year 188. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 11.8%.
- Number of pad mounted live front transformers inspected during current inspection cycle 1,589. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 100.0%.
- Number of live front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 185. Live front, pad-mounted transformers needing maintenance as a % of live front, pad mounted transformers inspected during current inspection cycle 98.4%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted live front regulators / capacitors in District 92.
- Number of pad mounted live front regulators / capacitors inspected during reporting year 26. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 28.3%.
- Number of pad mounted live front regulators / capacitors inspected during current inspection cycle 92. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 100.0%.
- Number of live front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 26. Live front, pad mounted regulators / capacitors needing maintenance as a % of live front, pad mounted regulators / capacitors inspected during current inspection cycle 84.6%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Switching Devices

- Number of pad mounted live front switching devices in District 1,797.
- Number of pad mounted live front switching devices inspected during reporting year 402. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 22.4%.
- Number of pad mounted live front switching devices inspected during current inspection cycle 1,797. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 100.0%.

- **Beach Cities District (cont.)**

- Number of pad mounted live front switching devices inspected during current inspection cycle coded as needing maintenance activity 365. Number of pad mounted switching devices coded as needing maintenance as a % of the number of pad mounted switching devices inspected during current inspection cycle 90.8%.

% Of needed corrective actions completed during 12 month cycle 100%.

PAD-MOUNTED LIVE FRONT EQUIPMENT (Cont.)

- **Eastern District**

- Transformers

- Number of pad mounted live front transformers in District 1,669.
- Number of pad mounted live front transformers inspected during reporting year 158. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 9.5%.
- Number of pad mounted live front transformers inspected during current inspection cycle 1,669. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 100.0%.
- Number of live front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 146. Live front, pad-mounted transformers needing maintenance as a % of live front, pad mounted transformers inspected during current inspection cycle 92.4%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted live front regulators / capacitors in District 24.
- Number of pad mounted live front regulators / capacitors inspected during reporting year 0. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 0%.
- Number of pad mounted live front regulators / capacitors inspected during current inspection cycle 24. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 100.0%.
- Number of live front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Live front, pad mounted regulators / capacitors needing maintenance as a % of live front, pad mounted regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Switching Devices

- Number of pad mounted live front switching devices in District 689.
- Number of pad mounted live front switching devices inspected during reporting year 54. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 7.8%.
- Number of pad mounted live front switching devices inspected during current inspection cycle 689. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 100.0%.

- **Eastern District (cont.)**

- Number of pad mounted live front switching devices inspected during current inspection cycle coded as needing maintenance activity 40. Number of pad mounted switching devices coded as needing maintenance as a % of the number of pad mounted switching devices inspected during current inspection cycle 75.0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

PAD-MOUNTED LIVE FRONT EQUIPMENT (Cont.)

- **Metro District**

- Transformers

- Number of pad mounted live front transformers in District 1,433.
- Number of pad mounted live front transformers inspected during reporting year 222. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 15.5%.
- Number of pad mounted live front transformers inspected during current inspection cycle 1,433. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 100.0%.
- Number of live front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 207. Live front, pad-mounted transformers needing maintenance as a % of live front, pad mounted transformers inspected during current inspection cycle 93.2%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted live front regulators / capacitors in District 28.
- Number of pad mounted live front regulators / capacitors inspected during reporting year 5. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 17.9%.
- Number of pad mounted live front regulators / capacitors inspected during current inspection cycle 28. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 100.0%.
- Number of live front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 3. Live front, pad mounted regulators / capacitors needing maintenance as a % of live front, pad mounted regulators / capacitors inspected during current inspection cycle 60.0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Switching Devices

- Number of pad mounted live front switching devices in District 1,057.
- Number of pad mounted live front switching devices inspected during reporting year 249. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 23.6%.
- Number of pad mounted live front switching devices inspected during current inspection cycle 1057. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 100.0%.

- **Metro District (cont.)**

- Number of pad mounted live front switching devices inspected during current inspection cycle coded as needing maintenance activity 225. Number of pad mounted switching devices coded as needing maintenance as a % of the number of pad mounted switching devices inspected during current inspection cycle 90.4
- % Of needed corrective actions completed during 12 month cycle 100%.

PAD-MOUNTED LIVE FRONT EQUIPMENT (Cont.)

- **North Coast District**

- Transformers

- Number of pad mounted live front transformers in District 1,055.
- Number of pad mounted live front transformers inspected during reporting year 186. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 17.6%.
- Number of pad mounted live front transformers inspected during current inspection cycle 1,055. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 100.0%.
- Number of live front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 186. Live front, pad-mounted transformers needing maintenance as a % of live front, pad mounted transformers inspected during current inspection cycle 96.8%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted live front regulators / capacitors in District 39.
- Number of pad mounted live front regulators / capacitors inspected during reporting year 7. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 18.0%.
- Number of pad mounted live front regulators / capacitors inspected during current inspection cycle 39. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 100.0%.
- Number of live front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 7. Live front, pad mounted regulators / capacitors needing maintenance as a % of live front, pad mounted regulators / capacitors inspected during current inspection cycle 100.0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Switching Devices

- Number of pad mounted live front switching devices in District 1,288.
- Number of pad mounted live front switching devices inspected during reporting year 257. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 20.0%.
- Number of pad mounted live front switching devices inspected during current inspection cycle 1,288. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 100.0%.
- Number of pad mounted live front switching devices inspected during current inspection cycle coded as needing maintenance activity 249. Number of pad mounted switching devices coded as needing maintenance as a % of the number of pad mounted switching devices inspected during current inspection cycle 96.9

- **North Coast District (cont.)**
 - % Of needed corrective actions completed during 12 month cycle 99.6%, 0.4% pending completion.
 - If this answer is not 100% explain and provide date corrective actions to be completed by:
 - D3349368955 –ETA 8/1/03 – Right of way access

PAD-MOUNTED LIVE FRONT EQUIPMENT (Cont.)

- **Northeast District**

- Transformers

- Number of pad mounted live front transformers in District 1,493.
- Number of pad mounted live front transformers inspected during reporting year 121. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 8.2%.
- Number of pad mounted live front transformers inspected during current inspection cycle 1,493. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 100.0%.
- Number of live front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 115. Live front, pad-mounted transformers needing maintenance as a % of live front, pad mounted transformers inspected during current inspection cycle 95.0%.
- % Of needed corrective actions completed during 12 month cycle 99.9%, 0.1% pending completion.
 - If this answer is not 100% explain and provide date corrective actions to be completed by:
 - D3310072095 – ETA Unable to estimate, de-energized awaiting developer plans

- Regulators / Capacitors

- Number of pad mounted live front regulators / capacitors in District 61.
- Number of pad mounted live front regulators / capacitors inspected during reporting year 0. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 0%.
- Number of pad mounted live front regulators / capacitors inspected during current inspection cycle 61. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 100.0%.
- Number of live front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Live front, pad mounted regulators / capacitors needing maintenance as a % of live front, pad mounted regulators / capacitors inspected during current inspection cycle 100%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Switching Devices

- Number of pad mounted live front switching devices in District 1,345.
- Number of pad mounted live front switching devices inspected during reporting year 93. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 6.9%.
- Number of pad mounted live front switching devices inspected during current inspection cycle 1,345. Inspected pad mounted live front switching

- **Northeast District (cont.)**

devices as a % of pad mounted live front switching devices in District 100.0%.

- Number of pad mounted live front switching devices inspected during current inspection cycle coded as needing maintenance activity 82. Number of pad mounted switching devices coded as needing maintenance as a % of the number of pad mounted switching devices inspected during current inspection cycle 88.2%.
- % Of needed corrective actions completed during 12 month cycle 100%.

PAD-MOUNTED LIVE FRONT EQUIPMENT (Cont.)

- **Orange County District**

- Transformers

- Number of pad mounted live front transformers in District 643.
- Number of pad mounted live front transformers inspected during reporting year 158. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 24.5%.
- Number of pad mounted live front transformers inspected during current inspection cycle 643. Inspected pad mounted live front transformers as a % of pad mounted live front transformers in District 100.0%.
- Number of live front, pad mounted transformers inspected during current inspection cycle coded as needing maintenance activity 153. Live front, pad-mounted transformers needing maintenance as a % of live front, pad mounted transformers inspected during current inspection cycle 96.8%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of pad mounted live front regulators / capacitors in District 54.
- Number of pad mounted live front regulators / capacitors inspected during reporting year 17. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 31.5%.
- Number of pad mounted live front regulators / capacitors inspected during current inspection cycle 54. Inspected pad mounted live front regulators / capacitors as a % of pad mounted live front regulators / capacitors in District 100.0%.
- Number of live front, pad mounted regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 16. Live front, pad mounted regulators / capacitors needing maintenance as a % of live front, pad mounted regulators / capacitors inspected during current inspection cycle 94.1%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Switching Devices

- Number of pad mounted live front switching devices in District 875.
- Number of pad mounted live front switching devices inspected during reporting year 121. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 13.8%.

- **Orange County District (cont.)**

- Number of pad mounted live front switching devices inspected during current inspection cycle 875. Inspected pad mounted live front switching devices as a % of pad mounted live front switching devices in District 100.0%.
- Number of pad mounted live front switching devices inspected during current inspection cycle coded as needing maintenance activity 113. Number of pad mounted switching devices coded as needing maintenance as a % of the number of pad mounted switching devices inspected during current inspection cycle 93.4%.
- % Of needed corrective actions completed during 12 month cycle 100%.

UNDERGROUND (Subsurface) INSPECTIONS

- Detailed inspections of all underground subsurface transformers and regulators/capacitors, in the subsurface underground system are scheduled to be performed on a 3-year cycle. Approximately 33% of SDG&E's total population of these pieces of equipment will be inspected annually. Small variations in inspected percentages may occur yearly, but 100% are scheduled for inspection every 3 years. This is the 2nd year of the 3-year cycle. A detailed inspection of underground subsurface equipment requires that each subsurface enclosure be visited and opened so that the equipment within can be carefully examined visually for conformance to CPUC General Order 128 requirements.

UNDERGROUND SUBSURFACE EQUIPMENT INSPECTIONS

- **Beach Cities District**

- Transformers

- Number of subsurface transformers in District 276.
- Number of subsurface transformers inspected during reporting year 96. Inspected subsurface transformers as a % of subsurface transformers in District 34.8%.
- Number of subsurface transformers inspected during current inspection cycle 216. Inspected subsurface transformers as a % of subsurface transformers in District 78.3%.
- Number of subsurface transformers inspected during current inspection cycle coded as needing maintenance activity 78. Subsurface transformers needing maintenance as a % of subsurface transformers inspected during current inspection cycle 81.3%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during reporting year 0. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 100%.
- Number of subsurface regulators / capacitors inspected during current inspection cycle 1. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 100%.
- Number of subsurface regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Subsurface regulators / capacitors needing maintenance as a % of subsurface regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

UNDERGROUND SUBSURFACE EQUIPMENT INSPECTIONS (Cont.)

- **Eastern District**

- Transformers

- Number of subsurface transformers in District 68.
- Number of subsurface transformers inspected during reporting year 27. Inspected subsurface transformers as a % of subsurface transformers in District 39.7%.
- Number of subsurface transformers inspected during current inspection cycle 68. Inspected subsurface transformers as a % of subsurface transformers in District 100.0%. Number of subsurface transformers inspected during current inspection cycle coded as needing maintenance activity 16. Subsurface transformers needing maintenance as a % of subsurface transformers inspected during current inspection cycle 59.3%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during reporting year 0. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during current inspection cycle 0. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Subsurface regulators / capacitors needing maintenance as a % of subsurface regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

UNDERGROUND SUBSURFACE EQUIPMENT INSPECTIONS (Cont.)

- **Metro District**

- Transformers

- Number of subsurface transformers in District 684.
- Number of subsurface transformers inspected during reporting year 284. Inspected subsurface transformers as a % of subsurface transformers in District 41.5%.
- Number of subsurface transformers inspected during current inspection cycle 660. Inspected subsurface transformers as a % of subsurface transformers in District 96.5%.
- Number of subsurface transformers inspected during current inspection cycle coded as needing maintenance activity 236. Subsurface transformers needing maintenance as a % of subsurface transformers inspected during current inspection cycle 83.1%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of subsurface regulators / capacitors in District 28.
- Number of subsurface regulators / capacitors inspected during reporting year 8. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 28.6%.
- Number of subsurface regulators / capacitors inspected during current inspection cycle 28. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 100.0%.
- Number of subsurface regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 8. Subsurface regulators / capacitors needing maintenance as a % of subsurface regulators / capacitors inspected during current inspection cycle 100%.
- % Of needed corrective actions completed during 12 month cycle 100%.

UNDERGROUND SUBSURFACE EQUIPMENT INSPECTIONS (Cont.)

- **North Coast District**

- Transformers

- Number of subsurface transformers in District 84.
- Number of subsurface transformers inspected during reporting year 7. Inspected subsurface transformers as a % of subsurface transformers in District 8.3%.
- Number of subsurface transformers inspected during current inspection cycle 61. Inspected subsurface transformers as a % of subsurface transformers in District 72.6%.
- Number of subsurface transformers inspected during current inspection cycle coded as needing maintenance activity 7. Subsurface transformers needing maintenance as a % of subsurface transformers inspected during current inspection cycle 100.0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of subsurface regulators / capacitors in District 1.
- Number of subsurface regulators / capacitors inspected during reporting year 0. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during current inspection cycle 1. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 100.0%.
- Number of subsurface regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Subsurface regulators / capacitors needing maintenance as a % of subsurface regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

UNDERGROUND SUBSURFACE EQUIPMENT INSPECTIONS (Cont.)

- **Northeast District**

- Transformers

- Number of subsurface transformers in District 25.
- Number of subsurface transformers inspected during reporting year 9. Inspected subsurface transformers as a % of subsurface transformers in District 36.0%.
- Number of subsurface transformers inspected during current inspection cycle 20. Inspected subsurface transformers as a % of subsurface transformers in District 80.0%.
- Number of subsurface transformers inspected during current inspection cycle coded as needing maintenance activity 7. Subsurface transformers needing maintenance as a % of subsurface transformers inspected during current inspection cycle 77.8%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during reporting year 0. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during current inspection cycle 0. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Subsurface regulators / capacitors needing maintenance as a % of subsurface regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

UNDERGROUND SUBSURFACE EQUIPMENT INSPECTIONS (Cont.)

- **Orange County District**

- Transformers

- Number of subsurface transformers in District 220.
- Number of subsurface transformers inspected during reporting year 37. Inspected subsurface transformers as a % of subsurface transformers in District 16.8%.
- Number of subsurface transformers inspected during current inspection cycle 179. Inspected subsurface transformers as a % of subsurface transformers in District 81.4%.
- Number of subsurface transformers inspected during current inspection cycle coded as needing maintenance activity 37. Subsurface transformers needing maintenance as a % of subsurface transformers inspected during current inspection cycle 100.0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

- Regulators / Capacitors

- Number of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during reporting year 0. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during current inspection cycle 0. Inspected subsurface regulators / capacitors as a % of subsurface regulators / capacitors in District 0.
- Number of subsurface regulators / capacitors inspected during current inspection cycle coded as needing maintenance activity 0. Subsurface regulators / capacitors needing maintenance as a % of subsurface regulators / capacitors inspected during current inspection cycle 0%.
- % Of needed corrective actions completed during 12 month cycle 100%.

Underground Switch (Subsurface) INSPECTIONS

- Detailed inspections of all switches in the underground system are scheduled on a 3-year cycle. Approximately 33% of SDG&E's total population of these pieces of equipment is inspected annually. Small variations in inspected percentages may occur yearly, but 100% are scheduled for inspection every 3 years. This is the 2nd year of the 3-year cycle.
- A detailed inspection of underground switches requires that each equipment location, either pad-mount or subsurface enclosure, be visited and opened so that the equipment within can be carefully examined visually for conformance to CPUC General Order 128 requirements. In addition, oil filled switches will have the oil sampled and processed by the lab for conformance with SDG&E standards.

UNDERGROUND SUBSURFACE SWITCH INSPECTIONS

- **Beach Cities District**
 - Number of underground subsurface switches in District 440.
 - Number of underground subsurface switches inspected during reporting year 145. Inspected subsurface underground switches as a % of equipment in sub-surface enclosures in District 32.9%.
 - Number of subsurface underground switches inspected during current inspection cycle 377. Inspected subsurface underground switches as a % of equipment in subsurface enclosures in District 85.7%.
 - Number of subsurface underground switches inspected during current inspection cycle coded as needing maintenance activity 122. Number of subsurface underground switches needing maintenance as a % of the number of subsurface underground switches inspected during current inspection cycle 84.1%.
 - % Of needed corrective actions completed during 12 month cycle 99.2%, 0.2% pending completion.
 - If this answer is not 100% explain and provide date corrective actions to be completed by:
 - M2324670371 – ETA 10/1/03 Permit moratorium in Mission Bay Park until after Labor Day

UNDERGROUND SUBSURFACE SWITCH INSPECTIONS (Cont.)

- **Eastern District**
 - Number of subsurface underground switches in District 140.
 - Number of subsurface underground switches inspected during reporting year 59. Inspected subsurface underground switches as a % of equipment in subsurface enclosures in District 42.1%.
 - Number of subsurface underground switches inspected during current inspection cycle 135. Inspected subsurface underground switches as a % of equipment in subsurface enclosures in District 96.4%.
 - Number of subsurface underground switches inspected during current inspection cycle coded as needing maintenance activity 27. Number of subsurface underground switches needing maintenance as a % of the number of subsurface underground switches inspected during current inspection cycle 45.8%.
 - % Of needed corrective actions completed during 12 month cycle 100%.

UNDERGROUND SUBSURFACE SWITCH INSPECTIONS (Cont.)

- **Metro District**

- Number of subsurface underground switches in District 492.
- Number of subsurface underground switches inspected during reporting year 211. Inspected subsurface underground switches as a % of equipment in subsurface enclosures in District 42.9%.
- Number of subsurface underground switches inspected during current inspection cycle 492. Inspected subsurface underground switches as a % of equipment in subsurface enclosures in District 100.0%.
- Number of subsurface underground switches inspected during current inspection cycle coded as needing maintenance activity 188. Number of subsurface underground switches needing maintenance as a % of the number of subsurface underground switches inspected during current inspection cycle 89.1%.
- % Of needed corrective actions completed during 12 month cycle 100%.

UNDERGROUND SUBSURFACE SWITCH INSPECTIONS (Cont.)

- **North Coast District**
 - Number of subsurface underground switches in District 257.
 - Number of subsurface underground switches inspected during reporting year 83. Inspected subsurface underground switches as a % of equipment in subsurface enclosures in District 32.2%.
 - Number of subsurface underground switches inspected during current inspection cycle 183. Inspected subsurface underground switches as a % of equipment in subsurface enclosures in District 71.2%.
 - Number of subsurface underground switches inspected during current inspection cycle coded as needing maintenance activity 81. Number of subsurface underground switches needing maintenance as a % of the number of subsurface underground switches inspected during current inspection cycle 97.6%.
 - % Of needed corrective actions completed during 12 month cycle 98.8%, 1.2% pending completion.
 - If this answer is not 100% explain and provide date corrective actions to be completed by:
 - M3464368707 – ETA 11/03 – Awaiting design and permits

UNDERGROUND SUBSURFACE SWITCH INSPECTIONS (Cont.)

- **Northeast District**

- Number of subsurface underground switches in District 249.
- Number of subsurface underground switches inspected during reporting year 80. Inspected underground switches as a % of equipment in subsurface enclosures in District 32.1%.
- Number of subsurface underground switches inspected during current inspection cycle 193. Inspected subsurface underground switches as a % of equipment in subsurface enclosures in District 77.5%.
- Number of subsurface underground switches inspected during current inspection cycle coded as needing maintenance activity 72. Number of subsurface underground switches needing maintenance as a % of the number of subsurface underground switches inspected during current inspection cycle 90.0%.
- % Of needed corrective actions completed during 12 month cycle 100.0%.

UNDERGROUND SUBSURFACE SWITCH INSPECTIONS (Cont.)

- **Orange County District**
 - Number of subsurface underground switches in District 151.
 - Number of subsurface underground switches inspected during reporting year 49. Inspected underground switches as a % of equipment in subsurface enclosures in District 32.5%.
 - Number of subsurface underground switches inspected during current inspection cycle 132. Inspected underground switches as a % of equipment in subsurface enclosures in District 87.4%.
 - Number of subsurface underground switches inspected during current inspection cycle coded as needing maintenance activity 49. Number of subsurface underground switches needing maintenance as a % of the number of subsurface underground switches inspected during current inspection cycle 98.0%.
 - % Of needed corrective actions completed during 12 month cycle 100%.

INTRUSIVE POLE INSPECTION

Wood Pole

- Intrusive inspections of all SDG&E-owned distribution poles in the overhead system are performed in conformance with CPUC General Order 165 requirements. Approximately 10% of SDG&E's poles over 15 years of age, that have not had a previous intrusive inspection, will be inspected annually, creating a 10-year inspection cycle. This is the 5th year of the cycle. SDG&E poles that are older than 15 years and have had a previous intrusive inspection will be inspected on a 20-year cycle with approximately 5% of these poles being inspected annually. This is the 5th year of the cycle.
- Small variations in inspected percentages may occur yearly, but 100% are scheduled for inspection within 10 years.
- The intrusive pole-testing program at SDG&E is a centralized program that systematically addresses all SDG&E poles on a system wide basis and not on a district-by-district process. Program direction and records are handled on a centralized basis.
- Intrusive testing of wood poles is normally accomplished by excavating about the pole base and/or a sound and bore of the pole about the groundline area for conformance to CPUC General Order 95 requirements.

10 Year Inspection Cycle

- Number of SDG&E-owned distribution poles 195,323.
- Number of poles inspected during reporting year 13,778. Inspected poles as a % of poles in Company 7.1%.
- Number of poles inspected during current inspection cycle 103,028. Inspected poles as a % of poles in Company 52.2%.
- Number of poles inspected during current inspection cycle coded as needing maintenance activity 893. Number of poles needing maintenance as a % of the number of poles inspected during current inspection cycle 6.5%.
- % Of needed corrective actions completed during 12 month cycle 100%.

20-Year Inspection Cycle - SDG&E is inspecting all wood poles on a 10-year cycle at this time.

- Number of poles in Company ____NA____
- Number of poles inspected during reporting year ____NA____. Inspected poles as a % of poles in Company ____NA____.
- Number of poles inspected during current inspection cycle ____NA____. Inspected poles as a % of poles in Company.

INTRUSIVE POLE INSPECTION (Cont.)

- Number of poles inspected during current inspection cycle coded as needing maintenance activity ____NA____. Number of poles needing maintenance as a % of the number of poles inspected during current inspection cycle __NA__ %.
- % Of needed corrective actions completed during 12 month cycle ____NA____. *

Dist.	Inspection Type	Total	# Insp	Insp %	Need Repair	%Need Repair	%Repair Complete	Pending	% Pending	Total Cycle	% Total Cycle
CM	OH Regulators/Capacitors	247	44	18.0%	20	45.5%	100.0%	0	0.0%	247	100.0%
CM	OH Switches/Protective Devices	3743	652	17.7%	302	46.3%	100.0%	0	0.0%	3743	100.0%
CM	OH Transformer	10973	1832	17.1%	1145	62.5%	100.0%	0	0.0%	10973	100.0%
CM	All Poles with Distribution Attached	44440	8427	19.4%	4389	52.1%	99.8%	7	0.2%	44435	99.9%
CM	UG Pad Mounted DEAD Front Transformer	10389	1274	12.3%	1160	91.1%	100.0%	0	0.0%	10389	100.0%
CM	UG Pad Mounted LIVE Front Transformer	1433	222	15.5%	207	93.2%	100.0%	0	0.0%	1433	100.0%
CM	UG Pad Mounted Regulators/Capacitors	28	5	17.9%	3	60.0%	100.0%	0	0.0%	28	100.0%
CM	UG Pad Mounted Switches/Protective Devices	1057	249	23.6%	225	90.4%	100.0%	0	0.0%	1057	100.0%
CM	UG Subsurface Regulators/Capacitors	28	8	28.6%	8	100.0%	100.0%	0	0.0%	28	100.0%
CM	UG Subsurface Switches/Protective Devices	492	211	42.9%	188	89.1%	100.0%	0	0.0%	492	100.0%
CM	UG Subsurface Transformer	684	284	41.5%	236	83.1%	100.0%	0	0.0%	660	96.5%
BC	OH Regulators/Capacitors	176	37	21.3%	9	24.3%	100.0%	0	0.0%	176	100.0%
BC	OH Switches/Protective Devices	2344	549	23.6%	249	45.4%	100.0%	0	0.0%	2344	100.0%
BC	OH Transformer	5852	1246	21.5%	825	66.2%	100.0%	0	0.0%	5852	100.0%
BC	All Poles with Distribution Attached	22671	4788	21.3%	2265	47.3%	100.0%	0	0.0%	22666	99.9%
BC	UG Pad Mounted DEAD Front Transformer	10782	1554	14.4%	1486	95.6%	100.0%	0	0.0%	10782	100.0%
BC	UG Pad Mounted LIVE Front Transformer	1589	188	11.8%	185	98.4%	100.0%	0	0.0%	1589	100.0%
BC	UG Pad Mounted Regulators/Capacitors	92	26	28.3%	22	84.6%	100.0%	0	0.0%	92	100.0%
BC	UG Pad Mounted Switches/Protective Devices	1797	402	22.4%	365	90.8%	100.0%	0	0.0%	1797	100.0%
BC	UG Subsurface Switches/Protective Devices	440	145	32.9%	122	84.1%	99.2%	1	0.8%	377	85.7%
BC	UG Subsurface Transformer	276	96	34.8%	78	81.3%	100.0%	0	0.0%	216	78.3%
NE	OH Regulators/Capacitors	258	59	23.1%	33	55.9%	100.0%	0	0.0%	258	100.0%
NE	OH Switches/Protective Devices	5128	1326	26.0%	829	62.5%	100.0%	0	0.0%	5128	100.0%
NE	OH Transformer	21422	4488	21.1%	3212	71.6%	100.0%	0	0.0%	21422	100.0%
NE	All Poles with Distribution Attached	65485	13003	20.0%	7913	60.9%	98.5%	115	1.5%	65479	99.9%
NE	UG Pad Mounted DEAD Front Transformer	19079	3444	18.1%	3130	90.9%	100.0%	0	0.0%	19079	100.0%
NE	UG Pad Mounted LIVE Front Transformer	1493	121	8.2%	115	95.0%	99.1%	1	0.9%	1493	100.0%

Dist.	Inspection Type	Total	# Insp	Insp %	Need Repair	%Need Repair	%Repair Complete	Pending	% Pending	Total Cycle	% Total Cycle
NE	UG Pad Mounted Regulators/Capacitors	61	0	0.0%	0	0.0%	0.0%	0	0.0%	61	100.0%
NE	UG Pad Mounted Switches/Protective Devices	1345	93	6.9%	82	88.2%	100.0%	0	0.0%	1345	100.0%
NE	UG Subsurface Switches/Protective Devices	249	80	32.1%	72	90.0%	100.0%	0	0.0%	193	77.5%
NE	UG Subsurface Transformer	25	9	36.0%	7	77.8%	100.0%	0	0.0%	20	80.0%
EA	OH Regulators/Capacitors	303	47	15.8%	29	61.7%	100.0%	0	0.0%	303	100.0%
EA	OH Switches/Protective Devices	5356	844	15.9%	597	70.7%	100.0%	0	0.0%	5356	100.0%
EA	OH Transformer	18032	3650	20.4%	2827	77.5%	100.0%	0	0.0%	18032	100.0%
EA	All Poles with Distribution Attached	59834	12424	20.9%	7477	60.2%	100.0%	2	0.0%	59830	99.9%
EA	UG Pad Mounted DEAD Front Transformer	9608	1656	17.2%	1449	87.5%	100.0%	0	0.0%	9608	100.0%
EA	UG Pad Mounted LIVE Front Transformer	1669	158	9.5%	146	92.4%	100.0%	0	0.0%	1669	100.0%
EA	UG Pad Mounted Regulators/Capacitors	24	0	0.0%	0	0.0%	0.0%	0	0.0%	24	100.0%
EA	UG Pad Mounted Switches/Protective Devices	689	54	7.8%	40	74.1%	100.0%	0	0.0%	689	100.0%
EA	UG Subsurface Switches/Protective Devices	140	59	42.1%	27	45.8%	100.0%	0	0.0%	135	96.4%
EA	UG Subsurface Transformer	68	27	39.7%	16	59.3%	100.0%	0	0.0%	68	100.0%
NC	OH Regulators/Capacitors	126	33	26.2%	30	90.9%	100.0%	0	0.0%	126	100.0%
NC	OH Switches/Protective Devices	3225	684	21.2%	612	89.5%	100.0%	0	0.0%	3225	100.0%
NC	OH Transformer	6951	1364	19.6%	1267	92.9%	100.0%	0	0.0%	6951	100.0%
NC	All Poles with Distribution Attached	22953	4468	19.6%	4012	89.8%	100.0%	0	0.0%	22951	99.9%
NC	UG Pad Mounted DEAD Front Transformer	16918	2778	16.4%	2647	95.3%	100.0%	0	0.0%	16918	100.0%
NC	UG Pad Mounted LIVE Front Transformer	1055	186	17.6%	180	96.8%	100.0%	0	0.0%	1055	100.0%
NC	UG Pad Mounted Regulators/Capacitors	39	7	18.0%	7	100.0%	100.0%	0	0.0%	39	100.0%
NC	UG Pad Mounted Switches/Protective Devices	1288	257	20.0%	249	96.9%	99.6%	1	0.4%	1288	100.0%
NC	UG Subsurface Regulators/Capacitors	1	0	0.0%	0	0.0%	0.0%	0	0.0%	1	100.0%
NC	UG Subsurface Switches/Protective Devices	257	83	32.2%	81	97.6%	98.8%	1	1.2%	183	71.2%
NC	UG Subsurface Transformer	84	7	8.3%	7	100.0%	100.0%	0	0.0%	61	72.6%
OC	OH Regulators/Capacitors	60	17	28.3%	11	64.7%	100.0%	0	0.0%	60	100.0%
OC	OH Switches/Protective Devices	775	209	26.9%	130	62.2%	100.0%	0	0.0%	775	100.0%

Dist.	Inspection Type	Total	# Insp	Insp %	Need Repair	%Need Repair	%Repair Complete	Pending	% Pending	Total Cycle	% Total Cycle
OC	OH Transformer	1342	232	17.3%	174	75.0%	100.0%	0	0.0%	1342	100.0%
OC	All Poles with Distribution Attached	5660	1045	18.5%	661	63.3%	99.7%	2	0.3%	5658	99.9%
OC	UG Pad Mounted DEAD Front Transformer	9376	1544	16.5%	1508	97.7%	100.0%	0	0.0%	9376	100.0%
OC	UG Pad Mounted LIVE Front Transformer	643	158	24.5%	153	96.8%	100.0%	0	0.0%	643	100.0%
OC	UG Pad Mounted Regulators/Capacitors	54	17	31.5%	16	94.1%	100.0%	0	0.0%	54	100.0%
OC	UG Pad Mounted Switches/Protective Devices	875	121	13.8%	113	93.4%	100.0%	0	0.0%	875	100.0%
OC	UG Subsurface Switches/Protective Devices	151	49	32.5%	48	98.0%	100.0%	0	0.0%	132	87.4%
OC	UG Subsurface Transformer	220	37	16.8%	37	100.0%	100.0%	0	0.0%	179	81.4%
ALL	Intrusive Wood Pole	195323	13778	7.1%	893	6.5%	100.0%	0	0.0%	103028	52.2%

ATTACHMENT

“A”