

PUBLIC UTILITIES COMMISSION

SAN FRANCISCO, CA 94102-3298



June 5, 2013

Advice Letter 2828-E

Akbar Jazayeri
Vice President, Regulatory Operations
Southern California Edison Company
P O Box 800
Rosemead, CA 91770

Subject: Fire Prevention Plan Pursuant to D.12-01-032

Dear Mr. Jazayeri:

Advice Letter 2828-E is effective May 23, 2013 per Resolution E-4576.

Sincerely,

A handwritten signature in cursive script that reads "Edward F. Randolph".

Edward F. Randolph, Director
Energy Division

ADVICE LETTER (AL) SUSPENSION NOTICE *
ENERGY DIVISION

Utility Name: SCE
Utility No./Type U338E/ELC
Advice Letter No.: 2828-E
Date AL filed: 12/20/12

Date Utility Notified: 1/8/13 via: email
 E-Mail to: AdviceTariffManager@sce.com
 Fax No.:
ED Staff Analyst/Supv: Werner Blumer/Liza Malashenko

Utility Contact Person: Darrah Morgan
Utility Phone No.: (626) 302-2086

For Internal Purposes Only:

Date Calendar Clerk Notified ____/____/____
Date Commissioners/Advisors Notified ____/____/____

FIRST SUSPENSION (up to 120 DAYS)

This is to notify that the above-indicated AL is suspended from 1/20/13 to 5/20/13 for the following reason(s) below. If the Commission staff or the Commission does not act on this AL within 30 days **or sooner**, the second suspension will commence automatically.

AL Protested _____

Resolution required _____

AL not in compliance with Commission statutes / decisions / resolutions, etc. _____

Additional information required by Commission staff / Commission _____

Additional time required for review _____

SECOND SUSPENSION (180 DAYS)

If the Commission has not taken action on this AL, an additional 180-day suspension period will automatically commence on -- .

If you have any questions regarding this matter, please contact Liza Malashenko at (415) 703-2274 or via e-mail at elizaveta.malashenko@cpuc.ca.gov

December 20, 2012

ADVICE 2828-E
(U 338-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA
ENERGY DIVISION

SUBJECT: Fire Prevention Plan Pursuant to Decision 12-01-032

In compliance with Decision (D.) 12-01-032, Southern California Edison Company (SCE) hereby submits its Fire Prevention Plan provided as Attachment A to this advice letter.

PURPOSE

Pursuant to Ordering Paragraph (OP) 2 of D.12-01-032, this advice filing provides SCE's Fire-Prevention Plan.

BACKGROUND

The California Public Utilities Commission (Commission) initiated Rulemaking (R.) 08-11-005 on November 6, 2008, entitled "Order Instituting Rulemaking to Revise and Clarify Commission Regulations Relating to the Safety of Electric Utility and Communications Infrastructure Provider Facilities." The Rulemaking has been divided into three phases. Phase 1 was focused on fire-prevention measures that could be implemented in time for the 2009 Fall fire season in Southern California. Phase 1 concluded with the issuance of D.09-08-029. In Phase 2, the Commission considered additional new measures to reduce fire hazards associated with overhead power line facilities and communication facilities. Phase 2 concluded with the issuance of D.12-01-032 on January 12, 2012. In D.12-01-032, the Commission also established Phase 3 of the proceeding for the purpose of developing and adopting additional safety measures and fire-threat maps. Phase 3 of this proceeding is currently in progress.

This advice filing is submitted in response to the Commission's Phase 2 decision. In addition to modifying General Orders (GO) 95, 165, and 166, D.12-01-032 requires SCE to file a Fire Prevention Plan. Specifically, OP 2 of D.12-01-032 states:

Each investor-owned electric utility in Southern California shall (i) prepare a fire-prevention plan, and (ii) file and serve a copy of the fire-prevention plan by December 31, 2012, via a Tier 1 compliance advice letter.

Each investor-owned electric utility's fire prevention plan is required to address situations where all three of the following conditions occur simultaneously: (i) 3-second wind gusts exceeding the structural or mechanical design standards for the affected overhead power line facilities, (ii) 3-second gusts occurring during a period of high fire danger, and (iii) where the affected facilities are within a high fire-threat area. (*Id.* Ordering Paragraph No. 4.) SCE's attached Fire Prevention Plan describes measures implemented by SCE to mitigate the threat of overhead power line fire ignitions within its service territory in accordance with OP 5(ii) (requiring countermeasures to mitigate ignition threats). SCE's Fire Prevention Plan goes beyond the criteria set forth in OP 4 in that it is applicable during Red Flag Warning conditions, regardless of measured wind speed; requires specified and necessary actions to be taken whether or not the Red Flag Warning occurs in a high fire area; and whether or not wind speeds in the area exceed design criteria. In short, SCE's Fire Prevention Plan applies regardless of the measured wind speed, so it does not necessitate the assessment of wind speed measurements or a determination of whether wind speeds exceed design criteria before action is taken, as called for by OP 5 (*Id.*, requiring utility to specify how it will identify the occurrence of 3-second wind gusts). Therefore, SCE's Fire Prevention Plan necessarily meets/exceeds the requirements of D.12-01-032, OPs 2, 4, and 5.

TIER DESIGNATION

Pursuant to OP 2 of D.12-01-032, this advice letter is submitted with a Tier 1 designation.

EFFECTIVE DATE

This advice filing will become effective upon filing.

NOTICE

Anyone wishing to protest this advice filing may do so by letter via U.S. Mail, facsimile, or electronically, any of which must be received no later than 20 days after the date of this advice filing. Protests should be mailed to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, California 94102
E-mail: EDTariffUnit@cpuc.ca.gov

Copies should also be mailed to the attention of the Director, Energy Division, Room 4004 (same address above).

In addition, protests and all other correspondence regarding this advice letter should also be sent by letter and transmitted via facsimile or electronically to the attention of:

Akbar Jazayeri
Vice President of Regulatory Operations
Southern California Edison Company
8631 Rush Street
Rosemead, California 91770
Facsimile: (626) 302-4829
E-mail: AdviceTariffManager@sce.com

Leslie E. Starck
Senior Vice President
c/o Karyn Gansecki
Southern California Edison Company
601 Van Ness Avenue, Suite 2030
San Francisco, California 94102
Facsimile: (415) 929-5540
E-mail: Karyn.Gansecki@sce.com

There are no restrictions on who may file a protest, but the protest shall set forth specifically the grounds upon which it is based and shall be submitted expeditiously.

In accordance with Section 4 of GO 96-B, SCE is serving copies of this advice filing to the interested parties shown on the attached GO 96-B and R.08-11-005 service lists. Address change requests to the GO 96-B service list should be directed by electronic mail to AdviceTariffManager@sce.com or at (626) 302-4039. For changes to all other service lists, please contact the Commission's Process Office at (415) 703-2021 or by electronic mail at Process_Office@cpuc.ca.gov.

Further, in accordance with Public Utilities Code Section 491, notice to the public is hereby given by filing and keeping the advice filing at SCE's corporate headquarters. To view other SCE advice letters filed with the Commission, log on to SCE's web site at <http://www.sce.com/AboutSCE/Regulatory/adviceletters>.

For questions, please contact Prabha Cadambi at (626) 302-8177 or by electronic mail at Prabha.Cadambi@sce.com.

Southern California Edison Company

Akbar Jazayeri

AJ:pc:jm
Enclosures

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Southern California Edison Company (U 338-E)

Utility type:

ELC GAS
 PLC HEAT WATER

Contact Person: Darrah Morgan

Phone #: (626) 302-2086

E-mail: Darrah.Morgan@sce.com

E-mail Disposition Notice to: AdviceTariffManager@sce.com

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas
 PLC = Pipeline HEAT = Heat WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 2828-E

Tier Designation: 1

Subject of AL: Fire Prevention Plan per Decision 12-01-032

Keywords (choose from CPUC listing): Compliance

AL filing type: Monthly Quarterly Annual One-Time Other

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #:

Decision 12-01-032

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: _____

Summarize differences between the AL and the prior withdrawn or rejected AL¹: _____

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement.

Name and contact information to request nondisclosure agreement/access to confidential information:

Resolution Required? Yes No

Requested effective date: 12/19/12 No. of tariff sheets: -0-

Estimated system annual revenue effect: (%): _____

Estimated system average rate effect (%): _____

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: None

Service affected and changes proposed¹: _____

Pending advice letters that revise the same tariff sheets: _____

¹ Discuss in AL if more space is needed.

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Ave.,
San Francisco, CA 94102
Edtariffunit@cpuc.ca.gov

Akbar Jazayeri
Vice President of Regulatory Operations
Southern California Edison Company
8631 Rush Street
Rosemead, California 91770
Facsimile: (626) 302-4829
E-mail: AdviceTariffManager@sce.com

Leslie E. Starck
Senior Vice President
c/o Karyn Gansecki
Southern California Edison Company
601 Van Ness Avenue, Suite 2030
San Francisco, California 94102
Facsimile: (415) 929-5540
E-mail: Karyn.Gansecki@sce.com



SOUTHERN CALIFORNIA EDISON
Power Delivery

Review Cycle

Policy Owner

This policy is maintained by the Power Delivery Policy Maintenance Team. Only the version found on the PWRD Documents WebPages <http://edna.sce.com/td2/pd/pdd/siteindex.shtml> should be considered current.

Last Update

POLICY TITLE:

Fire Prevention Plan

Contact: Joseph Bauza / Samuel Stonerock

1.0 PURPOSE

This document describes measures implemented by Southern California Edison (SCE or Company) to mitigate the threat of overhead power-line fire ignitions within its service territory.

On January 18, 2012, the California Public Utilities Commission (CPUC) issued Decision (D.)12-01-032 closing Phase 2 of *Order Instituting Rulemaking to Revise and Clarify Commission Regulations to the Safety of Electric Utility and Communications Infrastructure Provider Facilities*. Ordering Paragraph 2 required SCE to prepare a fire-prevention plan, and to file and serve a copy of the fire-prevention plan by December 31, 2012. Ordering Paragraph 4 also required the fire-prevention plan to specifically address situations where all three of the following conditions occur simultaneously: (i) 3-second wind gusts exceeding the structural or mechanical design standards for the affected overhead power-line facilities, (ii) these 3-second gusts occur during a period of high fire danger, and (iii) the affected facilities are located within a high fire-threat area.

2.0 APPLICABILITY

This Fire Prevention Plan is applicable to SCE departments and organizations responsible for the operation, design, construction, inspection and maintenance of SCE overhead lines and structures and is supported by applicable SCE or departmental policies, practices, and procedures to reduce the probability of power-line caused ignitions.

This Fire Prevention Plan is applicable during Red Flag Warning conditions, regardless of measured wind speed and requires specified and necessary actions to be taken whether or not the red flag warning occurs in a high fire area and whether or not wind speeds in the area exceed design criteria. Accordingly, this procedure does not require wind speed measurements to be assessed or wind speeds to exceed criteria before action is taken.

3.0 DEFINITIONS

For the purpose of this plan, the following definitions apply:

3-second gust - the highest sustained gust over a 3 second period having a probability of being exceeded per year of 1 in 50 (ASCE 7-05).

Structural and mechanical design standards - the material strengths and working stresses set forth in Section IV of General Order (GO) 95.

High fire danger - the period covered by a Red Flag Warning issued by the United States National Weather Service and/or Riverside Fire Weather Office.

High fire-threat areas - areas designated as such on the fire-threat maps adopted by D.12-01-032 or SCE's Bulletin 322 area, whichever is greater.

4.0 OVERHEAD LINES

4.1.1 Grid Operations

Grid Operations is responsible for the monitoring and operation of SCE's electric system. During significant events, Grid Control Center personnel act as SCE's official representatives in matters concerning the operation of the system when senior management or an "Officer in Charge" is unavailable. Grid Operations is also responsible for applying System Operating Bulletins which encompass operating protocols, remedial actions, communication and notification protocols, ratings and limits of lines and equipment, and system protection schemes.

Qualified employees, typically Troublemakers, Senior Patrolmen, Foremen, or Field Supervisors may contact Grid Operations at any time to request a line or line segment be temporarily de-energized, or sectionalizing equipment be set to "non-automatic" to help ensure public safety and system reliability.

In an effort to reduce fire hazards during dry weather conditions, overhead lines and line sections are subject to certain operating restrictions described in SCE's System Operating Bulletin 322, which is summarized below:

A. From December 1st to September 30th, reclosers associated with non-automated distribution circuits are set to "automatic."

1. When a Red Flag Warning **is not** in effect, if the line or line section relays and tests good or relays to lockout:

- a. The line or line section may be isolated and tested without restriction. A line patrol is not required before re-energizing.
- b. Once the trouble has been isolated, the recloser may be returned to automatic.

2. When a Red Flag Warning **is** in effect, if the line or line section relays and tests good or relays to lockout:

- a. The recloser is made non-automatic until patrolled.
- b. If locked out, the line or line section is not re-energized until patrolled.
 - Patrolled line section may be sectionalized and re-energized until the faulted line section is found or the entire line has been patrolled
- c. Once the fault is located and isolated, the line section is patrolled from the fault to the source circuit breaker or source boundary line prior to energizing.
- d. After the patrol is completed, if the problem is found and isolated; or if no cause is found; the line or line section recloser remains non-automatic until the Red Flag Warning expires or is cancelled.

B. From October 1st to November 30th, reclosers associated with non-automated distribution circuits are set to “non-automatic.”

1. When a Red Flag Warning **is not** in effect, if a line relays:

- a. The recloser remains non-automatic during this period.
- b. The line or line section may be isolated and tested without restriction.
 - A line patrol is not required before re-energizing.

2. When a Red Flag Warning **is** in effect, if the line relays:

- a. Lines or line sections are patrolled prior to being re-energized.
 - Subsequent line sections are patrolled, isolated, and may not be re-energized until the faulted line section is found or the entire line has been patrolled.
- b. Once the fault is located and isolated, the line section is patrolled from the fault to the source circuit breaker or boundary line prior to energizing.
- c. Once the patrol has been completed, whether the problem was found and isolated or there was no cause found, the line or line section recloser shall remain non-automatic until November 30th.

C. Reclosers associated with automated distribution circuits are normally “automatic” unless Operating Restrictions are in effect. Operating Restrictions are implemented by each GMC Manager for their entire area of responsibility on lines or line sections that have been identified as traversing a fire hazard area when a Red Flag Warning is in effect for that area.

Note: If remote control of an Automated Distribution Circuit is temporarily unavailable, the circuit is operated as though it is a Non-Automated Distribution Circuit in the period of December 1st to September 30th until repairs are made.

1. Upon notification that Operating Restrictions are in effect, jurisdictional Switching Center System Operators will make all reclosers associated with Automated Distribution Circuits non-automatic as soon as practical.

- a. If the line or line section relays, it will not be re-energized until patrolled.
- b. A patrolled line section may be sectionalized and re-energized. Subsequent line sections may then be patrolled, isolated and re-energized until the faulted line section is found or the entire line has been patrolled.
- c. When a line or line section relays and the fault is located and isolated, the line section will be patrolled from the fault to the source CB or boundary line prior to energizing. This is to ensure that all line faults or abnormalities have been identified prior to energizing.
- d. Once the patrol has been completed, whether the problem was found and isolated or there was no cause found, the line or line section recloser will remain non-automatic until the Red Flag Warning expires or is cancelled.

5.0 SUPPORT ORGANIZATIONS

5.1 Emergency Response

The Emergency Response group provides Fire Management Representatives to serve as liaisons to local, county, state, and federal, fire agencies on a 24/7 basis.

The Fire Management team also assists Grid Operations by providing timely and useful information to employees working in Fire Threat Areas, especially during Red Flag Warnings and peak fire conditions.

Additionally, certain Transmission and Distribution department personnel have been identified and trained to act as Fire Watchers to supplement the Fire Management Representatives to assure coverage should multiple fires occur simultaneously within the service territory.

5.2 Transmission and Distribution

5.2.1 Engineering and Construction

Overhead lines and structures comprising SCE's bulk-electric system are engineered and constructed to meet or surpass the requirements set forth in the CPUC's GO 95. Where necessary and appropriate, based either on a predictive model or study, material strengths may be increased to exceed GO 95 minimum requirements.

5.2.2 Design and Construction

Overhead lines and structures comprising SCE's subtransmission and distribution system are designed to meet or surpass the requirements set forth in the CPUC's GO 95. Where necessary and appropriate, based either on a predictive model or study, material strengths of structures may be increased to exceed GO 95 minimum requirements. Additionally, a supplemental design criterion is applied to overhead lines throughout the service territory (including fire threat areas) known to experience high winds. This criterion is contained in SCE's Pole Loading Manual.

Where hot work (arc welding/cadwelding, burning, grinding, brazing, thawing pipes, etc.) is performed, each site develops a site-specific Hot Work Plan. This Plan identifies hazards and control measures associated with Hot Work Activities. The plan is maintained at each site and made available for employees to review at any time. (*See Attachments 1, 2 and 3*)

5.2.3 Inspection and Maintenance

Inspection and maintenance programs have been established to ensure conformance with applicable regulatory requirements. Scheduled patrols of transmission and distribution lines and structures are performed system-wide on an annual basis. Supplemental patrols are also performed as-needed, typically following circuit interruptions, storms, or ahead of approaching fires. Detailed inspections of overhead distribution lines are performed system-wide on a five year cycle and in-service wood poles are inspected in accordance with GO 165 requirements and treated according to internal standards.

The Distribution Inspection and Maintenance Program and the Transmission Inspection and Maintenance Program meet or exceed the requirements set forth in General Order 95, General Order 128, and General Order 165.

5.2.4 Vegetation Management

The Vegetation Management organization oversees the inspection, pruning, and removal of vegetation adjacent to overhead power-lines. Additionally, SCE Vegetation Management staff accompanies local, county, and/or state fire agency personnel in the performance of supplemental patrols of overhead power-lines each year before the high-fire season. This activity is known as "Operation Santa Ana."

5.3 **Transportation Services**

Aircraft Operations assists in the patrolling of transmission and distribution lines. Air Operations may also provide aerial surveillance following fire and weather related storms and as conditions allow, assist in the transport of personnel and material to remote locations.

6.0 ASSOCIATED SPECIFICATIONS and STANDARDS

6.1 Transmission Engineering

- Design Specification D 2005-198, 220kV/ 500 kV Transmission Lines
- Transmission Planning Criteria and Guidelines (TPG)

6.2 Transmission Design / Construction / Maintenance

- Transmission Design and Right-of-Way Manual (TDR)
- Transmission Operations and Maintenance Manual (TOM)
- Transmission Overhead Construction Standards (TOH)
- Transmission Inspection and Maintenance Program (TIMP)

6.3 Distribution Design / Construction / Maintenance

- Distribution Design Standards (DDS)
- Distribution Operations and Maintenance Manual (DOM)
- Distribution Overhead Construction Standards (DOH)
- Distribution Inspection and Maintenance Program (DIMP)

6.3 Grid Control Center

- System Operating Bulletin 0014 – Authority and Obligation of Grid Control Center
- System Operating Bulletin 0008 – Initial Event Notifications
- System Operating Bulletin 0800 – Major Disaster Notification Process
- System Operating Bulletin 0322 – Operation of Distribution Voltage Lines Traversing Fire Hazard Areas

6.4 Vegetation Management

- Vegetation Management Operations Manual (VMOM)

6.5 Air Operations

- OS-TSD-AO-PL-005 – Power Line Patrols
- OS-TSD-AO-PL-008 – Helicopter External Load Operations

6.6 Safety

- SCE-CHS-CS-PG-5 – Fire Prevention Plan
- EHS-CS-PG-007 – Hot Work Program

6.7 Industry

- CAL-FIRE, Power Line and Fire Prevention Guide (2008)

ENVIRONMENT

Wildfire Season Safety Tips

When a wildfire is on the loose, SCE crews may be called to duty.

Everyone who lives in Southern California is familiar with wildfires. In recent years, we have seen hundreds and thousands of acres scorched by wind-driven flames. Wildfires not only threaten homes and other structures, they can also potentially cause serious damage to Southern California Edison's infrastructure.

Wildfires have multiple triggers. Some are deliberately set, but many occur naturally due to changes in the climate. For example, on June 1, 2012, the National Interagency Fire Center's Predictive Services (NIFC) issued a National Wildland Significant Fire Potential Outlook report. The report indicated that "severe to extreme drought conditions worsened across much of the Great Basin and Southwest, and drought continues to dominate the southwestern quarter of the country." This has created areas of below-normal fuel moisture conditions across New Mexico, spreading west through California and north to southern Oregon, Idaho and Wyoming. The report concludes that during July through September above-normal significant fire potential will develop over the mountains and foothills of southern and central California as well as the inland valleys.

Hot Work Safe Practices

Since our climate is dry, employees should be aware of potential fire risks in their work area. Prior to starting a job, ask yourself:

- Is there flammable material near where I am working?
- If there is a fire, can I put it out?
- Should I call for a second person to help?
- What if this gets out of my control?

A site Hot Work Plan identifies approved site work locations and designated areas where hot work activities can be performed safely. If hot work is necessary outside a designated area, a Hot Work Authorization (Hot Work Permit) must be issued. This

work includes but is not limited to tasks involving: welding/cad welding, oxy-fuel gas welding, oxygen and arc cutting, open flame soldering, brazing, thawing pipes, grinding and burning. Before initiating hot work, ensure precautions are in place, for instance, make sure an appropriate fire extinguisher is readily available and that a fire-watch is set up.

There are other activities our crews perform that do not require formal Hot Work Authorization but still pose a fire danger. Even though making up a hot secondary circuit, closing a fuse into a faulted line or even parking your truck in tall weeds is not considered hot work, it's good practice to make sure the area is safe and clear of combustible materials prior to starting a job. For instance, grading roads can cause sparks that could ignite a fire. Certain work requires a permit issued by the United States Forest Service (USFS) while working within their borders.

On-Scene Fire Safety Practices

Although at SCE we work primarily with electricity, our crews play an integral part when it comes to addressing the effects of wildfires. In the past, SCE crews have responded to several local wildfires to assist with restoration. Responding to wildfires might not be an everyday scenario for SCE crews, but there are special points to consider when working in fire zones:

- Ensure that you are authorized by the appropriate fire agency to enter an area
- Be alert. Keep calm. Think clearly. Act decisively. continued on page 11



HOT WORK PROGRAM

EH&S Site Team Compliance Program Talking Points

Background and General Information

The Hot Work Program (EHS-CS-PG-007) is designed to help prevent fire or explosions from occurring during Hot Work Activities that involve arc welding/cadwelding, burning, grinding, brazing, thawing pipes, etc. The Hot Work Program does not apply to high-voltage electrical work, which is regulated under the High-Voltage Electrical Safety Orders.

Each site, where hot work is performed, must develop a site-specific Hot Work Plan. The Hot Work Plan identifies hazards and control measures associated with Hot Work Activities. The plan must be maintained at each site and made available for employees to review at any time. For an unstaffed location, the site Hot Work Plan will be maintained at the staffed location responsible for that site.

Site-Specific Responsibility

Ensure that a site-specific Hot Work Plan is developed, implemented, maintained, and has the following elements:

1. Hot Work Activities

■ A site Hot Work Plan shall identify work activities that are capable of initiating a fire or explosion at the site. Activities may include: **(Revision)**

- Arc Welding/Cadwelding
- Oxygen & Arc Cutting
- Brazing
- Grinding
- Oxy-fuel gas welding
- Open Flame Soldering
- Thawing Pipes
- Burning

2. Approved Locations for Hot Work Activity

- A site Hot Work Plan shall identify approved site work locations and designated areas that are or have been made fire-safe for Hot Work Activities. A written Hot Work Authorization Form and Fire Watch are NOT required for such locations.
- Non-designated Permit-Required Areas are locations where Hot Work Activities are performed outside of designated areas. These areas require a Fire Watch and the completion of a Hot Work Authorization Form to ensure fire safety. **(Revision)**
- Nonpermissible Areas (e.g. areas not authorized by the Site Manager or Employee in Charge, locations in the presence of explosive atmosphere, etc.) are locations in which Hot Work shall not be permitted. **(Revision)**

3. Hot Work Authorization (Hot Work Permit) Process

- Periodically review and verify the accuracy of the Hot Work Plan to ensure the contacts are current and that the appropriate individuals or job families are listed as authorized to approve Hot Work in a non-designated area.
- Ensure all elements of the Hot Work job are in compliance. This means there is no debris or combustible material (e.g. wood, cardboard, paper, rags, etc.) within 35 ft. of the designated area. For Hot Work performed outside of the designated area, ensure the authorization process has been followed and that all employees are properly completing Hot Work Authorization Forms (Attachment A within the site-specific plan). **(Form Revised)**

Note: Begin using the revised authorization forms immediately.

4. Housekeeping

- A site Hot Work Plan shall identify housekeeping procedures used in the designated Hot Work Areas to control the accumulation of flammable combustible materials.

5. Training

- Ensure that the appropriate information and training for the Hot Work Plan is provided. Per TDBU policy, employees who have not received Hot Work Compliance Training shall not perform Hot Work activities.
- The site Hot Work Plan shall identify Hot Work Plan training for site personnel performing Hot Work Tasks, serving as a Fire Watch, or issuing Hot Work Authorizations.

6. Recordkeeping

- Ensure proper recordkeeping of the Hot Work Authorization Forms. All forms must be placed in the "Hot Work" folder (or the folder must contain directions to where the forms are maintained) within the facility's EH&S compliance files and retained on site for one year. Verify that employees who are listed on the forms as the Employee in Charge, Hot Work Operator, and Fire Watch have received Hot Work Compliance Training.

7. Working with Contractors

- Before starting a job, the SCE Representative or designated Point of Contact shall discuss the planned project completely, identify approved site work locations, review the site-specific emergency procedures with the contractor, and ensure the work procedures do not conflict with the objectives of the SCE Hot Work Program. **(Revision)**

The program is available in its entirety on the Environment, Health and Safety page of the Edison Portal. If any questions arise concerning Hot Work Activity or there are additional Hot Work areas you would like to designate at your facility, please contact your TDBU Safety Specialist for assistance.

Updated May 2012

ATTACHMENT 3: Hot Work Permit



HOT WORK PERMIT

BEFORE INITIATING HOT WORK, ENSURE PRECAUTIONS ARE IN PLACE!
 MAKE SURE AN APPROPRIATE FIRE EXTINGUISHER IS READILY AVAILABLE!

This Hot Work Permit is required for any activities that are capable of initiating a fire or explosion. Activities may include: Arc Welding/Cadwelding, Oxy-fuel gas welding, Burning, Oxygen and Arc cutting, Grinding, Open flame soldering, Brazing, Thawing pipes, Torch applied roofing, Thermal spraying, etc.

INSTRUCTIONS	Precautions Checklist
Verify precautions listed at right (or do not proceed with the work).	<input type="checkbox"/> Available sprinkler, hose streams, and extinguishers are in service/operable.
DATE:	<input type="checkbox"/> Hot work equipment in good repair.
LOCATION:	<input type="checkbox"/> Floors swept clean.
WORK TO BE DONE:	<input type="checkbox"/> Fire-resistant tarpaulins suspended beneath work.
The employee performing hot work in non-designated hot work areas must obtain the approval from the Employee in Charge prior to performing hot work.	<input type="checkbox"/> Construction is noncombustible and without combustible covering or insulation.
NAME OF PERSON DOING HOT WORK:	<input type="checkbox"/> Combustibles on other side of walls moved away.
I verify the above location has been examined, the precautions checked on the Precautions Checklist have been taken to prevent fire, and permission is authorized for work.	<input type="checkbox"/> Enclosed equipment cleaned of all combustibles.
SIGNED:	<input type="checkbox"/> Containers purged of flammable liquids/vapors.
Date/Time	<input type="checkbox"/> Fire watch is trained in use of this equipment and in sounding alarm.
	<input type="checkbox"/> Fire watch may be required for adjoining areas, above, and below.
	<input type="checkbox"/> Area protected with smoke or heat detection.
	Fire watch required: <input type="checkbox"/> Yes <input type="checkbox"/> No
	Permit Expires:
	Date: _____
	Time: _____ AM/PM