SUMMARY

PG&E’s TD1464s standard establishes requirements for PG&E Employees, PG&E Suppliers, contractors, and third-party employees to follow when traveling to, performing work, or operating outdoors in any forest, brush, or grass-covered land.

The information in this document is based on PG&E’s TD 1464s standard and local state and federal regulations and permits. However, if a local or state fire regulation or permit contains provisions more stringent than those in this document, the more stringent provisions must be followed.

TARGET AUDIENCE

This “based on TD-1464s” document targets all contractors performing work on behalf of PG&E and working on or near facilities located in any forest, brush, or grass-covered lands, using equipment, tools, and/or vehicles whose use could result in the ignition of a fire.

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REQUIREMENTS

1  Safety

1.1 Performing utility work in any forest, brush, or grass-covered lands presents a danger of fire, in addition to the hazards inherent to utility work.

1.2 Following the directives in this standard is essential to mitigating fire danger and protecting the personnel, public, utility system and environment.

1.3 Incorporate wildfire safety requirements into your company Injury & Illness Prevention Plan (IIPP) and perform all operations or actions within fire hazard areas accordingly.

2  General Requirements

2.1 The work supervisor / local superintendent MUST ensure the following actions are taken:

1. Identify and comply with the local, state, and federal fire authority permits and/or restrictions in the area where the work is to be performed, including Federal Energy Regulatory Commission (FERC) project requirements.

2. ENSURE a tailboard is completed for any of the work activities listed in the Wildfire Mitigation Matrix (Attachment 1) and review the Wildfire Risk Checklist (Attachment 2) during the safety tailboard to facilitate discussions about the work being performed and the planned mitigations for the work. Discussions should include the following topics:

a. The activities being performed
b. The mitigations being taken
c. Evacuation routes
d. Awareness of the communications protocols needed on the jobsite

2.2 Any person in charge (PIC) of working personnel MUST follow locally changing meteorological conditions as well as be aware of the possibility of increased fire danger during the time work is in progress.

2.3 When traveling to the jobsite, or when operating off designated roadways or overland, all personnel MUST take the following actions:

1. Do not drive overland (through fields, forests, etc.) except when performing required work or during an emergency.
2.3 (continued)

2. ENSURE that required tools, at a minimum, are available on vehicles.
   a. Passenger vehicle:
      • One shovel
      • One fire extinguisher in good working order, minimum U.L. rated 1A10BC
   b. Trucks, four-wheel drive vehicles, and all-terrain vehicles (ATVs):
      • One shovel or McLeod fire tool
      • One 5-gallon backpack pump or larger capacity water (or Compressed Air Foam System [CAFS]) pump/delivery system
   c. Heavy machinery or equipment* (e.g., tractors, tub grinders, whole tree chippers, excavators, bulldozers):
      • One shovel, McLeod fire tool or Pulaski
      • One fire extinguisher in good working order, minimum U.L. rated 1A10BC
      • One 5-gallon backpack pump or larger capacity water (or CAFS) pump/delivery system

*NOTE
When multiple vehicles are traveling together to a jobsite, each vehicle is not required to carry a full set of tools. This is also true for heavy machinery when tools do not fit on it properly. However, there must be the required tools available for personnel at the jobsite.

3. While driving off designated roadways, maintain situational awareness and look for potential ignitions that could occur when driving on dry brush, grass, or other vegetation.
2.3 (continued)

4. When possible, ensure vehicles are parked in an area cleared of vegetation.
   a. IF unable to park in a cleared area,
      THEN ensure the proper fire extinguishing tools are on the vehicle, as described above. Maintain situational awareness and monitor for potential ignitions.

5. When unable to park in a cleared area, look under the vehicle once parked to ensure that dry vegetation is not in contact with any of the exhaust system, which is a possible ignition source.

6. Turn off the motors of unoccupied vehicles when parking them off road unless the vehicle and the motor must remain running for work purposes. Maintain situational awareness for potential ignitions.

2.4 Before starting work on or near any forest, brush, or grass-covered lands, all personnel must perform the following actions:

1. Review and understand the daily Utility Fire Potential Index (FPI) Note: the index may be requested from PG&E Meteorology as an automated daily e-mail use the form on Attachment 3 to request this information.

2. Review the Wildfire Mitigation Matrix (Attachment 1) and assess the required mitigations based on the Utility FPI provided by PG&E’s Meteorology Team.
   - This matrix is set up with work activities and activity descriptions down the left, and the required mitigations dependent on the Utility FPI across the top.
   - Activities requiring additional mitigations are referenced in the corresponding box in blue text.
   - During Red Flag Warnings, assume the Wildfire Mitigation Matrix (Attachment 1) has a Utility FPI rating of “R5,” and keep the mitigations for that rating.

3. Participate in a tailboard for any of the work activities listed in the Wildfire Mitigation Matrix (Attachment 1) and use the Wildfire Risk Checklist (Attachment 2) to facilitate discussions about the work being performed and the planned mitigations for the work.

2.5 During major work operations where there are not enough tools on vehicles or at the jobsite to outfit all crew members at the operation, a sealed toolbox is required to be at the jobsite and must be easily accessible. This sealed toolbox MUST contain:

1. One backpack-type fire extinguisher filled with water
2. Two axes
3. Two McLeod fire tools
Preventing and Mitigating Fires While Performing PG&E Work

4. Enough shovels for each employee at the operation

2.6 Additionally, a chainsaw with at least 3 ½ horsepower is required at all jobsites where work being performed could result in a spark, fire, ember, or flame.

2.7 The specific fire-fighting tools to be kept at jobsites are required to meet state law and provide an option for personnel or first responders to have additional on-site tools. At no time will any PG&E employee or contractor be asked to fight any fire beyond their experience and training.

2.8 When working at the jobsite, all personnel MUST perform the following actions:

1. Observe all laws, rules, and regulations of local, state, and federal fire authorities having jurisdiction over areas in which they are working.

2. Perform mitigation measures as described in this standard during any operation or action that could result in an uncontrolled fire, including wetting the general area.

3. Do not start any fire that could escape control through careless or negligent actions.

4. While performing stationary ground level jobs or activities from which a spark, fire, or flame may originate (e.g., welding, cutting, grinding), all flammable material (e.g., grass, leaf litter, including snags\(^1\)) must be removed down to the mineral soil around the operation for 10 feet.

   • IF the jobsite is not stationary,

   OR IF it cannot be sufficiently cleared because of environmental concerns (e.g., vegetation clearances along electric distribution circuits, erosion),

   AND the Utility FPI rating is “R1,” “R2,” or “R3,”

   THEN there must be a Working Fire Watch assigned at the jobsite.

   • IF the jobsite is not stationary,

   OR IF it cannot be sufficiently cleared because of environmental concerns (e.g., vegetation clearances along electric distribution circuits, erosion),

   AND the Utility FPI rating is “R4” or “R5,”

   THEN there must be a Dedicated Fire Watch equipped with at least 120 gallons of water with 200 feet of hose and 40 pounds per square inch (psi) at the nozzle.

5. When responding to an emergency, follow all the applicable requirements included this standard, if possible.

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\(^{1}\) Snag: A standing dead or dying tree.
2.9 If a fire ignites on the jobsite, personnel must perform the following actions:

1. Call emergency services (9-1-1) to report the ignition, even if the fire has been suppressed.

2. Take safe, reasonable suppression actions consistent with the person’s experience and training.

3. If necessary, evacuate to a safe location and provide any information possible to first responders when they arrive.

4. **After** contacting emergency services, the jobsite supervisor **must** call the Wildfire Safety Operations Center (WSOC) at 1-800-255-7593 to report the fire. The supervisor must be prepared to provide the following:
   - Name of vendor/Contractor
   - Contact Number
   - Location
   - Source of ignition
   - Impacted assets

5. All jobsite personnel MUST report incidents to their direct supervisors and follow any further reporting procedures, as required (e.g., notify Control Centers).

2.10 Smoking (including but not limited to cigarettes, cigars, and vape pens) is only allowed when Utility FPI rating is “R1,” “R2,” or “R3” and the following mitigations are taken:

1. There is a cleared location (down to mineral soil) at the jobsite with a 3-foot radius.

2. There is a means to extinguish any potential ignition.

3. There is a water-filled or sand-filled receptacle (e.g., a metal bucket) to extinguish cigarettes, cigars, etc.

4. Do not smoke when Utility FPI ratings are “R4,” “R5,” or “R5-Plus.”
3.1 (continued)

3 Fire Index Process

Fire Index Areas are geographical areas where fire danger ratings are decided. These areas were originally developed by the United States Forest Service (USFS) Pacific Southwest Research Station and are still used by U.S. Forest Service-California Department of Forestry and Fire Precaution (CAL FIRE) and federal (e.g., USFS) agencies.

Over the years, these geographical areas have been modified for PG&E operations. A map of the Fire Index Areas is available as Attachment 4. Daily forecasts are available filling the form found as Attachment 3: Wildfire Risk Forecast Request Form. Note: the index may be requested from PG&E Meteorology as an automated daily e-mail use the form on Attachment 3 to request this information.

The PG&E Meteorology Team operates a high-resolution, weather and fire danger coupled model. This model outputs granular (3 kilometer [km]) fire-weather and danger parameters.

Model outputs are leveraged to produce fire-danger adjective ratings ranging from “R1” to “R5-Plus” for each Fire Index Area within the PG&E service territory.

Fire Weather Watches and Red Flag Warnings issued by the National Weather Service are also incorporated as “R4” in the weather component of the model.

3.1 The Utility FPI rating predicts the most severe rating expected for each area from midnight to midnight. This information is posted and updated daily on the Utility Fire Potential Index (FPI) Note: the index may be requested from PG&E Meteorology as an automated daily e-mail use the form on Attachment 3 to request this information.

1. Utility FPI ratings are effective from 6 a.m. (0600) and remain in effect for 24 hours.

| NOTE |
| Intraday updates are rare but may occur if the fire danger conditions or other circumstances warrant the update. |

2. The Utility Fire Potential Index (FPI) Note: the index may be requested from PG&E Meteorology as an automated daily e-mail use the form on Attachment 3 to request this information. allows personnel to perform the following actions:

Subscribe to receive by email the daily (issued at 6:00 a.m.) “Fire Adjective Index” summary.
4 Mitigations

4.1 When the Utility FPI rating is “R1,” “R2,” or “R3,” personnel MUST follow the requirements provided in Section 2, “General Requirements,” starting on Page 2, when performing work in any forest, brush, or grass-covered lands.

4.2 When the Utility FPI rating is “R4,” as shown in the Wildfire Mitigation Matrix (Attachment 1), personnel must take the following mitigations in addition to the mitigations listed in Section 2, “General Requirements,” depending on the work being performed:

1. Ensure there is at least 120 gallons of water at the jobsite with at least 200 feet of hose with 40 psi at the nozzle.

2. Evaluate weather conditions throughout the day to ensure it remains safe to work and to confirm that mitigations are appropriate based on the Utility FPI rating.

3. Assign a Working Fire Watch to monitor for fire at the jobsite while performing normal work duties.
   a. The Working Fire Watch MUST remain at the jobsite for 30 minutes after work ends.

4.3 When the Utility FPI rating is “R5” or “R5-Plus,” as shown in the Wildfire Mitigation Matrix (Attachment 1), personnel must take one or more of the following mitigations in addition to the previously listed mitigations, depending on the work being performed:

1. Ensure there is a Dedicated Fire Watch at the jobsite while performing normal work duties.
   a. The Fire Watch must remain on the jobsite for at least 30 minutes after work ends.

2. Ensure there is a trailer-mounted water tank, water tender, or other water-delivery/fire-suppression method (e.g., CAFS unit) at the jobsite while performing work.
   a. There MUST BE an extinguishing agent (i.e., water, fire retardant, or CAFS) in the immediate area with a hose long enough to reach the entire jobsite at all times while performing normal work duties.
   b. When the trailer-mounted water tank, or other water-delivery device, leaves the jobsite to refill, personnel must stop work until it returns unless the jobsite is sufficiently treated.

3. Personnel should consider additional vegetative fuel modifications before starting work. Modifications include the following methods:
   • Mowing
   • Masticating
   • Disking
   • Pretreating surrounding fuels with fire retardant
5.3 (continued)

4. **Suspend planned work during “R5-Plus” conditions**, as defined in the [Wildfire Mitigation Matrix](Attachment 1).

5. For any **emergency work** being performed in “R5-Plus” conditions, personnel **must** ensure that the following safety measure is in place:

   a. A 300-gallon, trailer-mounted water tank, water tender, or other water-delivery/fire-suppression device **must** remain at the jobsite and must be dedicated to fire suppression.

**END of Requirements**

**DEFINITIONS**

**Dedicated Fire Watch:** A crew member whose **only** assigned job responsibility is to stand by at a jobsite to watch for possible or new fire ignitions while work is being performed. This person should have complete situational awareness, help to extinguish fires quickly, and stop work, when needed, due to safety.

**Designated roadway:** Paved, graveled, and/or maintained dirt roads used by PG&E personnel.

**Disking:** A disc-shaped tool used to till soil for vegetation removal.

**Fire Index Area:** A geographical area over which fire danger determinations are produced.

**Fire Tools:** The tools used to fight fires. Fire tools include the following equipment:

- **Shovel:** A standard, round point shovel at least 42 inches long.
- **McLeod:** A hand tool used for raking and scraping.
- **Pulaski:** an axe-like fire hand tool used for cutting, chopping or grubbing.
- **Backpack pump:** A portable 5-gallon water pack with a hose and nozzle used to extinguish fires. These can be collapsible backpacks, plastic or steel tanks.

**Fire Weather Watch:** A type of watch issued by the National Weather Service to alert fire officials and firefighters of potentially dangerous fire weather conditions in the next 24 to 36 hours.

**Major Work Operation:** A job where work activities or staging of resources will be concentrated in and out of a staging area. Jobsites where people stage and conduct construction-type activities typically are large.
DEFINITIONS (continued)

**Masticating:** Reducing vegetation into small chunks to assist in removing small trees (e.g. snags).

**Overland Travel:** Areas that are overgrown with grass and/or brush without a visible road.

**Red Flag Warning:** A warning issued by the National Weather Service to alert fire officials and firefighters of potentially dangerous and imminent fire weather conditions.

**Safety and Infrastructure Protection Team (SIP-T):** This is a PG&E in-house team consists of two-person crews composed of IBEW-represented employees who are trained and certified safety infrastructure protection personnel. They provide standby protection and asset protection services in support of crews and protect critical utility infrastructure within PG&E’s service territory, especially in areas at higher risk of wildfire.

**Stationary Work:** Work being performed in a single location for an extended period that is neither intended nor expected to move.

**Utility Fire Potential Index (FPI) Rating:** A rating to determine the risk of fire and its likely behavior. Its calculation and scale from “R1” to “R5-Plus” considers fuel moisture, humidity, wind speed, air temperature, and historical fire occurrence. These ratings are as follows:

- **“R1”:** Very little or no fire danger.
- **“R2”:** Moderate fire danger.
- **“R3”:** Fire danger is so high that care must be taken using fire-starting equipment. Local conditions may limit the use of machinery and equipment to certain hours of the day.
- **“R4”:** Fire danger is critical. Using equipment and open flames is limited to specific areas and times.
- **“R5”:** Fire danger is so critical that the using some equipment and open flames is not allowed in certain areas.
- **“R5-Plus:”** The greatest level of fire danger where rapidly moving, catastrophic wildfires are possible. This is typically when fire danger is R5, “plus” there are high-risk weather triggers (e.g., strong winds).

**Working Fire Watch:** A crew member responsible for fire detection, risk mitigation, and total situational awareness while work is being performed in addition to normal assigned work duties. This crew member is also responsible to help extinguish fires and stop work, when required, due to safety hazards.
COMPLIANCE REQUIREMENT / REGULATORY COMMITMENT

California Public Resources Code – Prohibited Activities

California Health & Safety Code

United States Forest Service

U.S. Forest Service-California Department of Forestry and Fire Precaution (CAL FIRE)

REFERENCE DOCUMENTS

Supplemental References:

- CAL FIRE (Department of Forestry and Fire Protection) Power Line Fire Prevention Field Guide, "Statutes and Regulations Pertaining to Overhead Powerline Infrastructure"
- California Public Resource Code
- United States Department of Agriculture (USDA) Forest Service, “National Fire Danger Rating System”

APPENDICES

NA

ATTACHMENTS

Attachment 1, “Wildfire Mitigation Matrix”

Attachment 2, “Wildfire Risk Checklist”

Attachment 3, Wildfire Risk Forecast Request Form

Attachment 4, Utility Fire Potential Index (FPI) Note: the index may be requested from PG&E Meteorology as an automated daily e-mail use the form on Attachment 3 to request this information.
Before starting work on or near any forest, brush, or grass-covered lands, all personnel must review this attachment and assess the required mitigations based on the Utility Fire Potential Index (FPI) Note: the index may be requested from PG&E Meteorology as an automated daily e-mail use the form on Attachment 3 to request this information. (Please subscribe using the link.)

This “Wildfire Mitigation Matrix” (referred to as Matrix from here) is set up with work activities and activity descriptions listed down the left, and generic mitigations based on the Fire Index Ratings across the top.

Activities requiring additional mitigations are referenced in the corresponding box in blue text.

Please refer to the standard for more detailed information on the general requirements and other mitigations listed in this document.

Note: When Red Flag Warnings are in effect, personnel must take Extreme Fire Index Rating mitigations.

The mitigations for all Low and Medium Fire Index Ratings are described in more detail in Based on Standard TD-1464S, Section 2, “General Requirements.”

- Denotes a work activity that require general requirements (“R1,” “R2,” and “R3” Fire Index Ratings mitigations).
- Denotes a work activity that requires ALL general requirements (“R1,” “R2,” and “R3” Fire Index Ratings mitigations) AND the mitigations from “R4.”
- Denotes a work activity that requires ALL general requirements (“R1,” “R2,” and “R3” Fire Index Ratings mitigations), mitigations required for “R4” Fire Index ratings AND mitigations required for “R5” and “R5+”.
- Denotes the work activity is not allowed.

Blue Text – Denotes mitigations to be taken in addition to the respective mitigations listed at the beginning of the matrix.
a. General Requirements for “R1,” “R2,” and “R3”
1. Prepare for work being performed (review Standard)
2. Review the Fire Index rating each morning.
3. Evaluate weather conditions throughout day to ensure work safety, update mitigations or stop work, when necessary.

TOOLS
4. Jobsite must have enough tool to outfit all crew members at the operation. Otherwise a sealed toolbox is required to be at the jobsite to extinguish a fire.
5. Jobsite should have one serviceable chainsaw
6. Tools should be readily available on the jobsite.
7. Ensure the proper tools are available on the below vehicles,
   Passenger vehicles must carry
   • One shovel
   • One fire extinguisher
   Trucks/4-wheel drives/ATVs must carry
   • One shovel
   • One 5-gallon backpack pump
   Heavy machinery must carry
   • One shovel or McLeod
   • One Pulaski
   • One 5-gallon backpack pump
   However, if traveling with multiple vehicles, each vehicle does not require a full complement of tools if there are enough combined tools in the vehicles for all personnel.

TRAVEL and VEHICLES
8. Maintain situational awareness when driving off designated roadways.
9. Unoccupied vehicles must be turned off when parking off road unless an idling vehicle is required for work.

Work and Ignitions while working
10. When performing stationary work that produce a spark, or when using machinery with an internal combustible engine, personnel must either
   • Clear a 10-foot radius down to mineral soil,
   OR
   • Ensure a 120-gallon water-delivery method with a manned hose during work is onsite.
   *These rules do not pertain to vehicle travel.*
11. If there is an ignition, jobsite personnel must call emergency services (9-1-1) to report it, even if the fire is extinguished.
   • Then, phone the WSOC (800-255-7593) with the location, source, and impacted assets.
12. Do not smoke unless there is a 3-foot cleared area (down to mineral soil), an extinguishing agent, and butt receptacle with water in the smoking area.

“R4” ratings must meet all the requirements for “R1,” “R2,” and “R3” fire ratings, as well as the following for stationary work:

a. 120 gallons of water and 200 feet of hose must be available at the jobsite.
b. Evaluate weather conditions to ensure it remains safe to work.
c. A Working Fire Watch must be assigned to the jobsite.

For “R5” and “R5+” ratings meet all requirements of “R1,” “R2,” “R3,” and “R4” ratings, as well as the following:

a. A Dedicated Fire Watch must be assigned to the jobsite.
b. A trailer-mounted water tank or alternative water delivery method must be available at the jobsite.
c. Consider modifying the fuel sources surrounding the jobsite.
d. Suspend all planned work during an “R5+” fire rating.
e. During all emergency work being performed during an “R5+” fire rating, personnel must have SIP-T on standby or a 300-gallon water tender available.
### Preventing and Mitigating Fires While Performing PG&E Work

<table>
<thead>
<tr>
<th>Activity Number</th>
<th>Work Activity</th>
<th>Description</th>
<th>R1 / R2 / R3</th>
<th>R4</th>
<th>R5 OR Red Flag Warning</th>
<th>R5+</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Vehicle Travel on Unpaved/ off Designated Roadways</td>
<td>Anything that propels, moves, or draw on unpaved surfaces</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td>✔️</td>
</tr>
<tr>
<td>2</td>
<td>Unmanned Aerial Vehicle (UAV) Inspections/ Surveys</td>
<td>Only UAV must take off and land within 50 feet of the remote pilot in charge</td>
<td>✔️</td>
<td>✔️</td>
<td>Only UAV must take off and land within 50 feet of the remote pilot in charge</td>
<td>✔️</td>
</tr>
<tr>
<td>3</td>
<td>Using Heavy Equipment</td>
<td>General construction, water, bars, culvert cleaning/repair grading/excavation, digging For example, blades, dozers, skid steers, excavators, back hoes</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td>✗</td>
</tr>
</tbody>
</table>

Vehicle, Roads, Inspections
## Preventing and Mitigating Fires While Performing PG&E Work

<table>
<thead>
<tr>
<th>Activity Number</th>
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<th>R5 OR Red Flag Warning</th>
<th>R5+</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Electrical Equipment Repair and Replacement</td>
<td>Including tasks related to conductors, pole and OH equipment from which a spark, fire, or flames may originate</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>5</td>
<td>Restoring and Testing Electric</td>
<td>Replacing blown fuses</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Must patrol and clear the hazard. Ensure conditions at the base of the pole do not support ignition or the rapid spread of fire</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Switching</td>
<td>When performing switching, ensure that personnel have a 5-gallon backpack-style pump and a round-point shovel within 25 feet of the work location. The vehicle used for travel should also be equipped per the details in TD-1464S, Section 2.</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perform an analysis of the work. The Task Force Leader (TFL) MUST consult an Electric Public Safety Specialist (PSS) is highly recommended.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Activity**
- 4: Electrical Equipment Repair and Replacement
- 5: Restoring and Testing Electric
- 6: Switching

**Work Activity**
- Electrical Equipment Repair and Replacement
- Restoring and Testing Electric
- Switching

**Description**
- Including tasks related to conductors, pole and OH equipment from which a spark, fire, or flames may originate
- Replacing blown fuses
- When performing switching, ensure that personnel have a 5-gallon backpack-style pump and a round-point shovel within 25 feet of the work location. The vehicle used for travel should also be equipped per the details in TD-1464S, Section 2.
## Preventing and Mitigating Fires While Performing PG&E Work

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<th>R5 OR Red Flag Warning</th>
<th>R5+</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Mowing Hot Saw or Masticating Equipment</td>
<td></td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td>☒️</td>
</tr>
<tr>
<td>8</td>
<td>Pole/Tower Ground Clearance</td>
<td>10 feet of clearance around poles and tower structure (power tools)</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td>☒️</td>
</tr>
<tr>
<td>9</td>
<td>Conductor Vegetation Clearance</td>
<td>Trim and occasional remove trees to maintain required, mandated clearances</td>
<td>✔️</td>
<td>✔️</td>
<td>**In lieu of the 120 gallons, you MUST have a 5-gallon, backpack-style pump and a round-point shovel within 25 feet of the work location.</td>
<td>☒️</td>
</tr>
<tr>
<td>10</td>
<td>Harvesting Timber on PG&amp;E Lands</td>
<td>Follow conditions and standards in the Timber Harvest Plan (THP). Ensure the mitigations in this matrix are followed based on work performed (e.g., using chainsaws).</td>
<td></td>
<td>✔️</td>
<td>**In lieu of the 120 gallons, you MUST have a 5-gallon backpack-style pump and a round-point shovel within 25 feet of the work location.</td>
<td>☒️</td>
</tr>
</tbody>
</table>

1 May perform work only after consulting with Meteorology and ensuring there is a 5-gallon backpack pump onsite in lieu of the 120 gallons of water. Jobsite personnel understand how to access the information they need to determine when it is too dangerous to start working or, if a job is in progress, when it is too dangerous to continue working, and stop work.
## Preventing and Mitigating Fires While Performing PG&E Work

<table>
<thead>
<tr>
<th>Activity Number</th>
<th>Work Activity</th>
<th>Description</th>
<th>R1 / R2 / R3</th>
<th>R4</th>
<th>R5 OR Red Flag Warning</th>
<th>R5+</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Construction Hot Work</td>
<td>Any temporary operation involving open flames or that produces heat and/or sparks. This includes, but is not limited to, brazing, cutting, grinding, soldering, torch-applied materials, and welding</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>X</td>
</tr>
<tr>
<td>12</td>
<td>Using Equipment with an Internal Combustion Engine Requires Spark Arrestor (Excluding Vehicles)</td>
<td>Frequently used for hand-held leaf blowers, chainsaws, and weed whackers. Portable and stationary equipment includes compressors, generators, etc.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>X</td>
</tr>
</tbody>
</table>

- **Unmanned generators may be used to ensure:**
  1. Public safety
  2. Safety of company assets and maintain assets
- Ensure a clearance of 10 feet down to mineral soil and onsite water is NOT required
<table>
<thead>
<tr>
<th>Activity Number</th>
<th>Work Activity</th>
<th>Description</th>
<th>R1 / R2 / R3</th>
<th>R4</th>
<th>R5 OR Red Flag Warning</th>
<th>R5+</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Using Portable Tools Powered by an Internal Combustion, Power Cord</td>
<td>Leaf blowers, chainsaws, weed whackers, drills, saws, lawn mowers, and similar tools with engine or motor</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>X</td>
</tr>
<tr>
<td>14</td>
<td>Battery Powered Equipment</td>
<td>Such as lawn mowers, weed whackers, leaf blowers, drills, survey equipment</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>X</td>
</tr>
<tr>
<td>15</td>
<td>Blasting (Explosives)</td>
<td>Must follow the mitigations identified in the State Fire Marshall’s Use Permit.</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
## Preventing and Mitigating Fires While Performing PG&E Work

### Burning

<table>
<thead>
<tr>
<th>Activity Number</th>
<th>Work Activity</th>
<th>Description</th>
<th>R1 / R2 / R3</th>
<th>R4</th>
<th>R5 OR Red Flag Warning</th>
<th>R5+</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Open Burning</td>
<td>Burn any brush, stumps, logs, fallen timber, fallows, slash, grass-covered lands, brush-covered lands, or other flammable materials</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Zone A – Always requires a burn permit and compliance with the permit terms**

**Zone A:** Includes Mono, Inyo, San Bernardino, Santa Barbara, Ventura, Los Angeles, Orange, Riverside, San Diego, and Imperial Counties.

**Zone B – Permit when required**

**Zone B:** Includes any county and portion of any county that is not included in Zone A.

### Substation

<table>
<thead>
<tr>
<th>Activity Number</th>
<th>Work Activity</th>
<th>Description</th>
<th>R1 / R2 / R3</th>
<th>R4</th>
<th>R5 OR Red Flag Warning</th>
<th>R5+</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>Activities that can produce arcing, sparks or fire ≤ 15 feet from inside the substation fence</td>
<td>Any substation activities</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 18              | Activities that can produce arcing, sparks or fire > 15 feet from inside the substation fence | Any substation activities                                                   | ✔️           | ✔️ |                         |     |
## Attachment 2 Wildfire Risk Checklist

<table>
<thead>
<tr>
<th>DATE:</th>
<th>Time:</th>
<th>Work Supervisor Name:</th>
<th>Work Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Align with activity # in the Work Mitigation Matrix)</td>
</tr>
</tbody>
</table>

**WORK LOCATION**

- Nearest Address: 
- Cross Street: 
- Latitude: N   Longitude: W
- Local Fire Agency: 
- Fire Agency Dispatch #: 

(Please see the Job Packet for more Location Information)

**ENVIRONMENTAL CONDITIONS**

- PG&E Index Area: 
- Fire Danger Rating: 
- Red Flag: Y / N
- Evacuation Plan: 

**FIRE RISK MITIGATIONS**

- Vegetation Clarance of 10ft surrounding the work area
- Wetting down the job site
- Welding Blanket or tent is being used on the job site.
- Working Fire Watch is assigned
- Dedicated Fire Watch is on the job site
- Fire extinguisher located within 25’ of operating internal combustion engines
- Water delivery system is on the job site with 40 lbs of pressure & 200 ft of hose
- Other: 

**FIRE SUPPRESSION TOOL INVENTORY**

- Back style water pump
- Pressurized water extinguisher with foam
- 2A10BC Fire Extinguisher(s)
- Fire Extinguishers charged and current certification from CASFM
- Scraping tools available (enough to extinguish a fire, if needed)

- Shovel
- McLeod
- (Other)
Preventing and Mitigating Fires While Performing PG&E Work

Attachment 3 Wildfire Risk Forecast Request Form

Please use the format of the example form below and send to PG&E's meteorological team at WeatherDeptAdmins@pge.com, to receive a daily email with forecasted Wildfire Risk per PG&E service territories.

<table>
<thead>
<tr>
<th>Name (First name, Last name)</th>
<th>Email Address</th>
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<tbody>
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<td>25</td>
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</tbody>
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Attachment 4: Utility Fire Index