

**CAL
FIRE**



Generator Safety



Recent PSPS Period Generator Fires

- Eagles Nest area



Recent PSPS Period Generator Fires

- Rattlesnake Rd. area





Recent PSPS Period Generator Fires

- Indian Springs Rd. area
 - Generator installed by previous owner incorrectly
 - Was on concrete pad away from house with underground wiring
 - Power was re-established and home owners heard a “pop”
 - No transfer switch to generator
 - All wires were destroyed so actual determination of cause was difficult

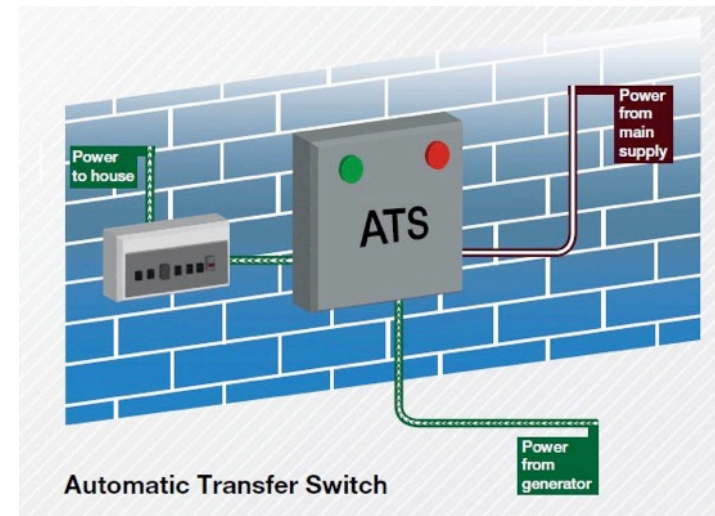
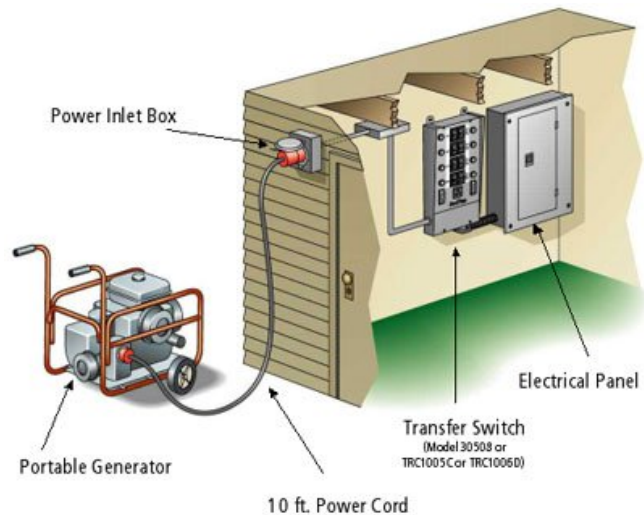
Generator Safety



- **Hazards Associated with Generators:**
 - Shocks and electrocution from improper use of power or accidentally energizing other electrical systems.
 - Carbon monoxide from a generator's exhaust.
 - Fires from improperly refueling a generator or inappropriately storing the fuel for a generator.
 - Noise and vibration hazards.

Generator Safety

Never attach a generator directly to the electrical system of a structure (home, office, trailer, etc.) unless a qualified electrician has properly installed the generator with a transfer switch. Attaching a generator directly to a building electrical system without a properly installed transfer switch can energize wiring systems for great distances. This creates a risk of electrocution for utility workers and others in the area.



Generator Safety

- More than 900 people died of carbon monoxide poisoning, and thousands injured, while using portable generators from 2005 to 2017





Generator Safety

- **Carbon Monoxide Poisoning**
 - Carbon monoxide (CO) is a colorless, odorless, toxic gas.
 - Many people have died from CO poisoning because their generator was not adequately ventilated.
 - Never use a generator indoors or in enclosed spaces such as garages, crawl spaces, and basements.
 - NOTE: Open windows and doors may NOT prevent CO from building up when a generator is located in an enclosed space.
 - Make sure a generator has 3 to 4 feet of clear space on all sides and above it to ensure adequate ventilation.
 - Do not use a generator outdoors if its placement near doors, windows, and vents could allow CO to enter and build up in occupied spaces.
 - If you or others show symptoms of CO poisoning—dizziness, headaches, nausea, tiredness—get to fresh air immediately and seek medical attention. Do not re-enter the area until it is determined to be safe by trained and properly equipped personnel.

Generator Safety

- **Fire Hazards**

- Generators become hot while running and remain hot for long periods after they are stopped. Generator fuels (gasoline, kerosene, etc.) can ignite when spilled on hot engine parts.
- Before refueling, shut down the generator and allow it to cool.
- Gasoline and other generator fuels should be stored and transported in approved containers that are properly designed and marked for their contents, and vented.
- Keep fuel containers away from flame producing and heat generating devices (such as the generator itself, water heaters, cigarettes, lighters, and matches). Do not smoke around fuel containers. Escaping vapors or vapors from spilled materials can travel long distances to ignition sources.
- Do not store generator fuels in your home. Store fuels away from living areas.
- Only use approved housings for generators.





Generator Safety

- **Noise and Vibration Hazards**
 - Generator engines vibrate and create noise. Excessive noise and vibration could cause hearing loss and fatigue.
 - Keep portable generators as far away as possible from structures.
 - Wear hearing protection when generators are running.

CAL FIRE **BURN PERMIT**



- <https://burnpermit.fire.ca.gov/>

- NOTE – Only outside of city limits
- The Town of Truckee has their own permit

Northern Sierra
Air Quality
Management District



- <http://myairdistrict.com/index.php/burning-info/burn-day-status/>

CAL FIRE **BURN PERMIT**

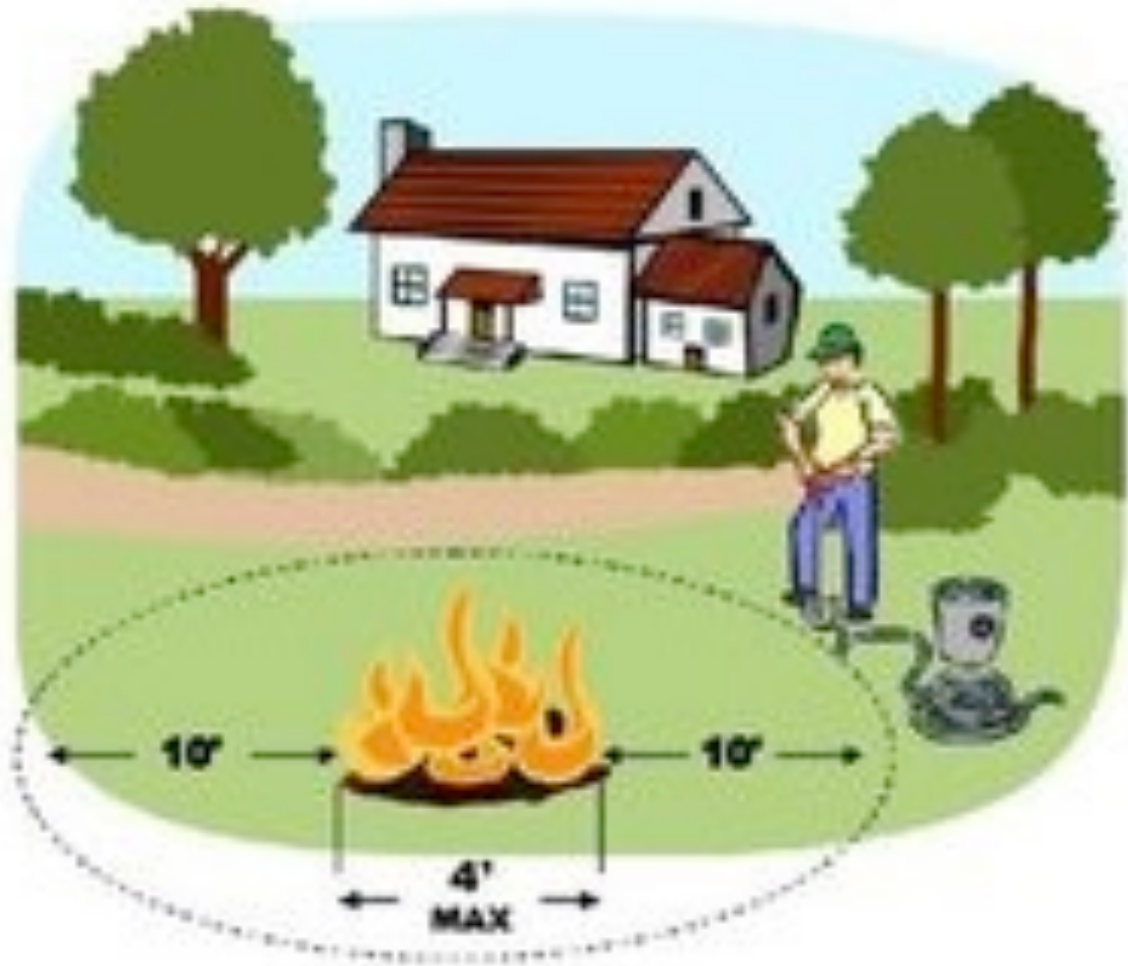


- Alternatives
 - Chipping, composting, hauling, curbside green waste pickup
- What you CAN burn:
 - Natural vegetation – grown on your property
 - Limit leaves and pine needles – Western Nevada County
- What you CAN'T burn:
 - Plywood/OSB
 - Trash – plastic, cardboard, waste oil, clothing, insulation, painted material
 - Dimensional lumber of any kind
 - Piles of mainly leaves and pine needles

CAL FIRE **BURN PERMIT**



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THANK YOU!

