

ELECTRICAL EMERGENCIES

GENERAL SAFETY PRECAUTIONS

- Stage apparatus a safe distance from the electrical source
- Treat all sources of electricity / surrounding structural components as energized until confirmed by utility company personnel and do not touch unnecessarily
- Wear full PPE for the task at hand
- Given enough voltage, anything can become a conductor (**INCLUDING AIR**)
- Use the 3 Stripes method with flagging tape to secure the area
- Utilize Lock-Out / Tag-Out techniques when working around electrical equipment which may become energized
- Position the apparatus safely. Watch for lines that could fall. Do not park under involved overhead lines
- Have Metro Net notify the Utility Company to respond. Obtain pole, transformer, or vault number for Power Company info
- Have Law Enforcement respond if needed for traffic control
- Whenever electrically operated equipment is being used by personnel, a ground fault interrupter shall be utilized. The ground fault interrupter is to be utilized with either house current or generated current

STRUCTURE FIRES

- Have personnel shut off the power to the structure at the circuit breaker panel. If possible, shut down the circuit breakers one at a time. Note any breakers already tripped to be passed on to Investigators. Watch out for arcing when shutting down the power
- Do not pull the electrical meter to shut power off to the structure
- Keep all ladders a minimum of 10 feet from overhead power lines
- Be aware of downed power lines

TRANSFORMER & VAULT FIRES

- Treat pad mounted and pole mounted transformers the same
- Be aware of the explosion potential
- Never apply water directly onto a transformer involved with fire. Protect the exposures and let it burn
- If water must be applied to the exposure, use fog
- Do not make entry into an electrical vault until a Utility Company representative has confirmed the electrical equipment has been de-energized and the atmosphere is clear of explosive gases
- Establish a safe distance of at least 25 feet
- Have Metro Net notify the Utility Company to respond

SUBSTATION & TRANSMISSION YARD FIRES

- **NEVER** fight fires in substation or transmission yards unless escorted by a qualified electrical worker and assurance has been made that the fire is a Class A/B fire and does not have a Class C component
- Establish a safe perimeter
- Have Metro Net notify the Utility Company to respond

WILDLAND FIRES

- Do not stand or work in areas of dense smoke around transmission and distribution lines
- Smoke can act as a conductor creating a step potential danger zone as far as 100 feet on both sides of high voltage transmission lines
- Maintain a safety distance of 20 feet when working around high voltage transmission towers
- If water must be used near downed lines, use fog

ELECTRICAL EMERGENCIES (con't)

VEHICLE ACCIDENTS

- Use extreme caution when operating around electricity and vehicles
- If possible have victims remain in their vehicle if electrical hazards are present and wait for Utility Company personnel
- If victims must exit the vehicle and can do it on their own, have them jump clear of the vehicle and use the hop or shuffle method to avoid the step potential
- If water must be applied, use fog stream

RESOURCES AVAILABLE TO ASSIST

- Have Metro Net contact Utility Company Duty Supervisor
- Within city boundaries, generally Anaheim Public Utilities (Lewis Sub)- (714)520-2243 (24 hour phone line)
- Southern California Edison lines run in some portions of city.
- Gas Co.