
ELECTRICAL SAFETY HIGHLIGHTS

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Recent Changes to Electrical Safety

- The recent changes to the ESH Electrical Standards 1.5.0 and 1.5.1 were driven by NFPA 70E (2004), DOE Electrical Assessment and OSHA findings.
- Changes required to the Standards include:
 - WEB based training not sufficient for all electrical workers, therefore additional training is required.
 - Verifying contractors, guests, subcontractors and any other person who may be exposed to electrical hazard are trained.
 - Arc flash hazard training, hazard analysis, and PPE
 - Update LOTO to current NFPA 70E requirements

How this Affects You

- LOTO Changes:
 - Specific Procedures for LOTO (with exceptions).
 - Different Requirements for PPE when verifying deenergized.
 - Some nomenclature changes to be consistent with OSHA

How this Affects You

- Electrical Safety:
 - Updating approach distances to the current NFPA 70E (2004).
 - All electrical equipment onsite NRTL(National Recognized Testing Lab) listed. If not possible, then must be approved by the AHJ (Authority Having Jurisdiction - LESC).
 - LESC has started EEI (Electrical Equipment Inspector) Program.
 - Anyone onsite working with electricity is trained.
 - Updated the PPE tables to reflect current requirements in NFPA 70E (2004).
 - Flash Hazard analysis for working On or Near (working "hot")

How this Affects You

- Electrical Safety (continued):
 - Testing of PPE and tools.
 - Testing of GFCI's per manufacturer's requirements.
 - Switch thrower requirements.
 - Flash Hazard labeling of disconnects.
 - Updating the Energized Electrical Work Permit to include NFPA 70 E requirements.