

KEYWORDS: ELECTRICAL; SAFETY; PANEL; GENERATOR**10-15
MINUTES**

Topic: **Electrical Safety**



IDEAS FOR YOUR TALK:

- People remember facts better when they're interactive and visual.
- People remember stories better than raw facts: think of a personal story that you can share.
- YouTube is another good source of information and offers many safety videos and demonstrations. Select only videos that are high-quality.

EXPLAIN DANGERS:

Using electricity on site can be hazardous, especially when it comes to tools, cords, and panels or generators.

DEMONSTRATE:

Review the types of screwdrivers used by your crew. Inspect a few for evidence of wear, damage, or misuse.

3. CLOSING QUESTIONS:

- Do you know of any damaged cords?
- Do you have questions on this subject ?
- Are you aware of a risk on this jobsite that shouldn't be?

1. SUGGESTED ENGAGEMENT QUESTIONS:

- Who uses electrical tools on this job?
- What is the main risk involved in using electrical tools ?

2. TALKING POINTS:

Consider all electrical wires and equipment energized until they are tested and proven otherwise.

NO WORKER SHALL CONNECT, MAINTAIN OR MODIFY ELECTRICAL EQUIPMENT OR INSTALLATIONS UNLESS, THE WORKER HOLDS A CERTIFICATE OF QUALIFICATION. WORKERS CAN UPLOAD THEIR CERTS THROUGH SSW.

TOOLS

- Make sure the casings of double-insulated tools are not cracked or broken.
- Always use a Class A ground fault circuit interrupter (GFCI) with portable electric tools operated outdoors or in damp or wet locations.
- Take defective tools out of service. Any shock or tingle, no matter how small, means that the tool or equipment needs to be checked and repaired.

CORDS

- Use only 3-pronged extension cords.
- Make sure that extension cords are the right gauge for the job to prevent overheating, voltage drops, and tool burnout. A 12-gauge extension cord is ideal.
- Protect cords from traffic.
- When outdoors or in wet locations, plug into a GFCI-protected receptacle or use a portable in-line GFCI.

PANELS OR GENERATORS

- Temporary panel boards must be securely mounted in a lockable enclosure protected from weather and water. The boards must be accessible to workers and kept clear of obstructions. Receptacles must be GFCI-protected.
- Use only generators with a label identifying it as "neutral bonded to frame". Do not use generators with a "floating neutral".
- Use a portable generator with built-in GFCI receptacles or use a portable in-line GFCI at the generator receptacle.

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