

## Stay Current on Electrical Hazards

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### Handout

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#### You're SAFEST when ...

- Electrical current travels through insulated conductors from the power source or circuit to your tools, lights, and equipment.
- A grounding wire connects an electrical current directly to the ground or the earth.

#### You may be UNSAFE when ...

- Working with electrical equipment that's poorly insulated or not grounded could make your body an electrical conductor. If the current enters your body, you experience shock and risk:
  - Pain
  - Loss of muscle control
  - Muscle, nerve, or tissue damage
  - Internal bleeding
  - Cardiac arrest
  - And even DEATH

#### You're more likely to GET SHOCKED—conduct electricity—if you're in contact with:

- Water or other liquid—wet hands, wet floor, damp environment
- Metal—jewelry, belt buckles, conductive metal tools

#### WARNING: ELECTRICITY CAN ...

- Cause shock or electrocution
- Burn skin
- Burn body tissue
- Cause fires or explosions

