CURRICULUM | **ELECTRICITY**

"Electrical safety is not just for electricians. All workers should understand the hazards of working near electricity." —RAMÓN HERNANDEZ

ELECTRICITY

PROTECT YOURSELF FROM ELECTRICAL HAZARDS IN CONSTRUCTION

ELECTRICITY

Introduce the topic (1 min)

Read aloud:

- Now we'll talk about the hazards workers face around electricity in construction. Did you know that one of the main causes of death in construction work is electric shock and incorrect cable use? We'll talk about how to be safe with cables and how to protect ourselves from electrical hazards.

Video and assignment 1 (10 min)

Read aloud:

- Pay close attention to the scenarios at the end of the video. Each group will be assigned a scenario.

Begin the video. Assignment 1, after the video, pass out photos of electrical hazards to each group:

- Based on your own experiences, the information in the Workers' Manual and the video, each group should identify the electrical hazards and how best to correct them using the hierarchy of controls (presented at the beginning of the training). You have 5 minutes.

Presentations and summary (10 min)

Reports: When the groups have finished discussing, ask that each group present how they would respond to the electrical hazards discussed.

▶ **While they explain, ask the other groups if they agree, and/or if they would suggest something different. Next ask both other groups to present their responses to the hazards.**

Answers for electrical cables:

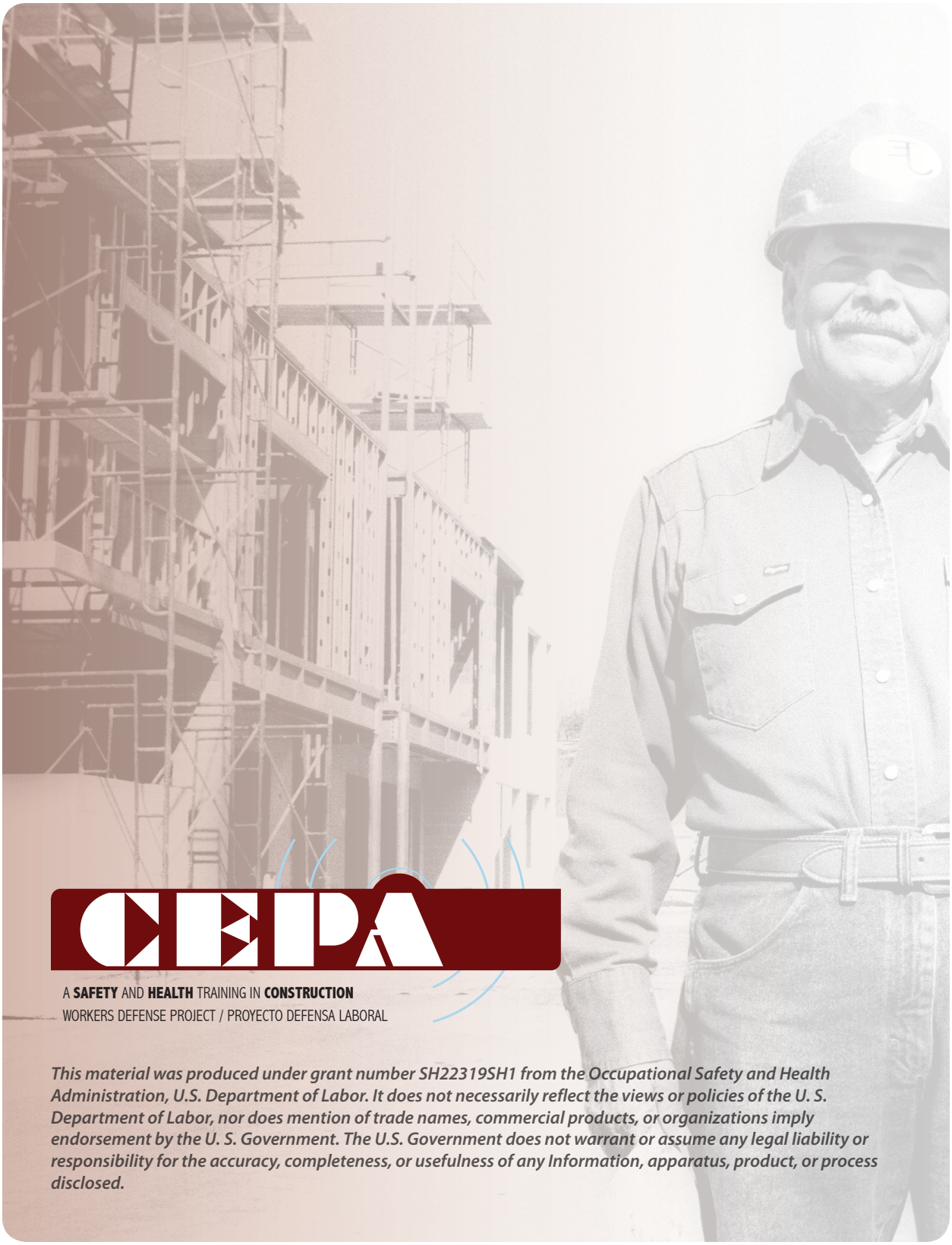
- Examine each cable carefully before using it.
- Only use cables that have plugs with three prongs.
- Never use adapters, multiplugs, nor surge protectors in construction sites (instead of these, use GFCIs).

Answers for electrical tools:

- Water is a good conductor of electricity. Never use equipment while standing in water nor let cables pass through a puddle.
- Only use tools with three-pronged plugs and double insulation.
- If a cable is damaged, or if it is missing the grounding pin, mark it clearly so that nobody uses it.

Answers for overhead power lines:

- Keep at least 10 feet (more than 3 meters) distance between all equipment and overhead power lines.
- Remember! Employers have the responsibility of providing a safe and healthy workplace. They should inspect construction sites for electrical hazards, including overhead power lines, before beginning work.



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A **SAFETY** AND **HEALTH** TRAINING IN **CONSTRUCTION**
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