



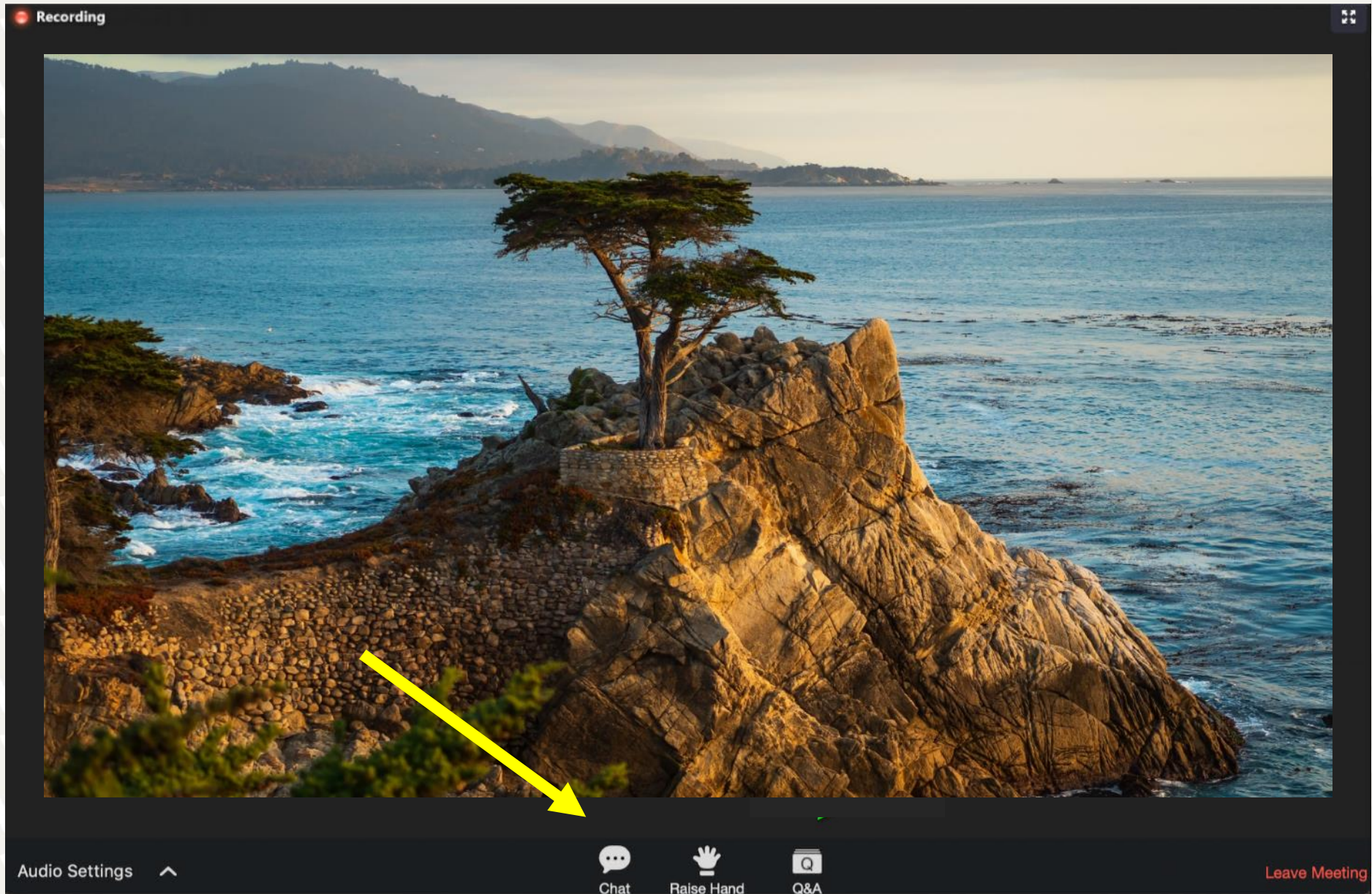
# Northern Safety Days

## What Is An Electrically Safe Work Condition?

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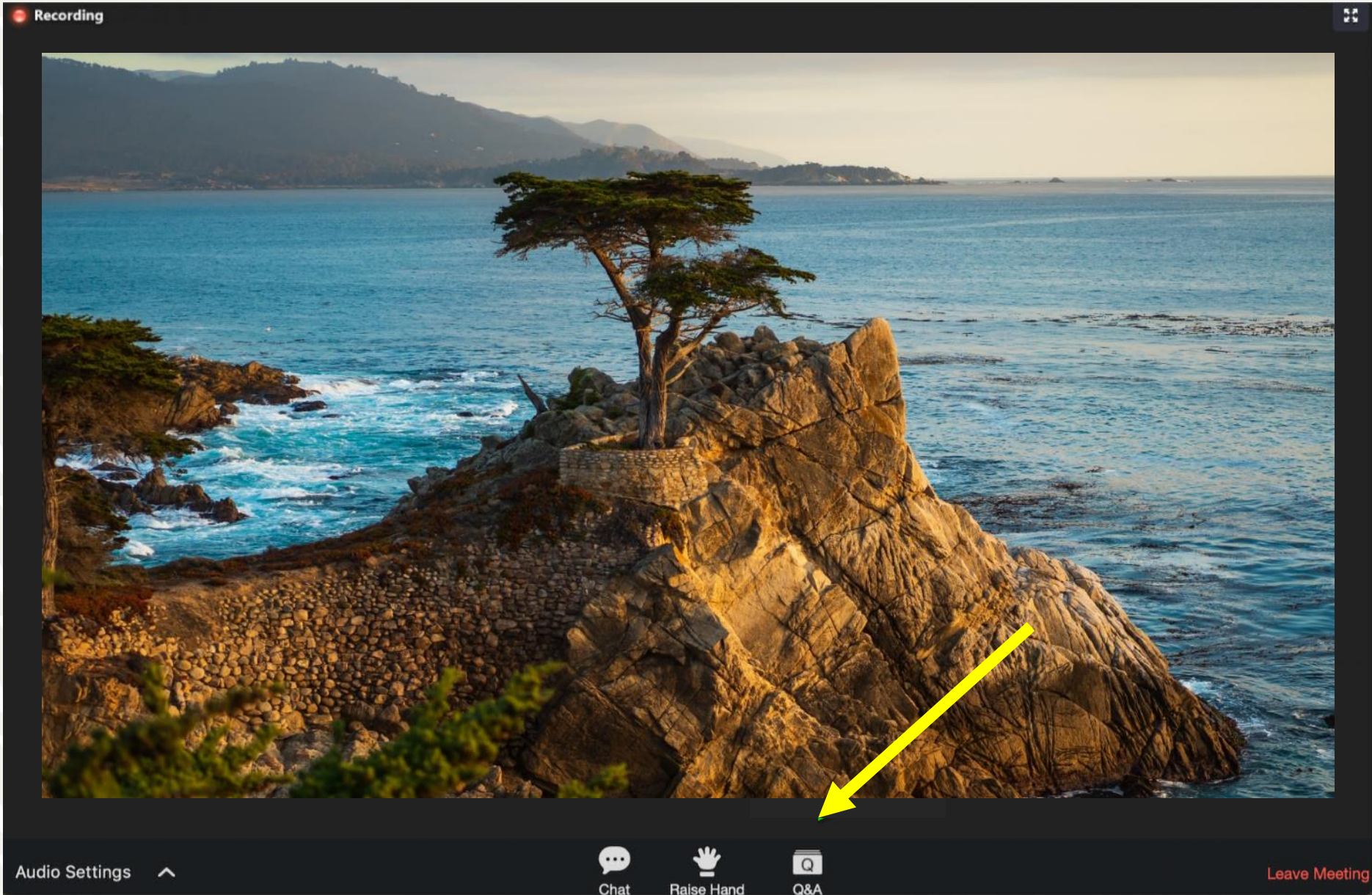
Webinar, October 29, 2020, 10:00 – 11:00 am





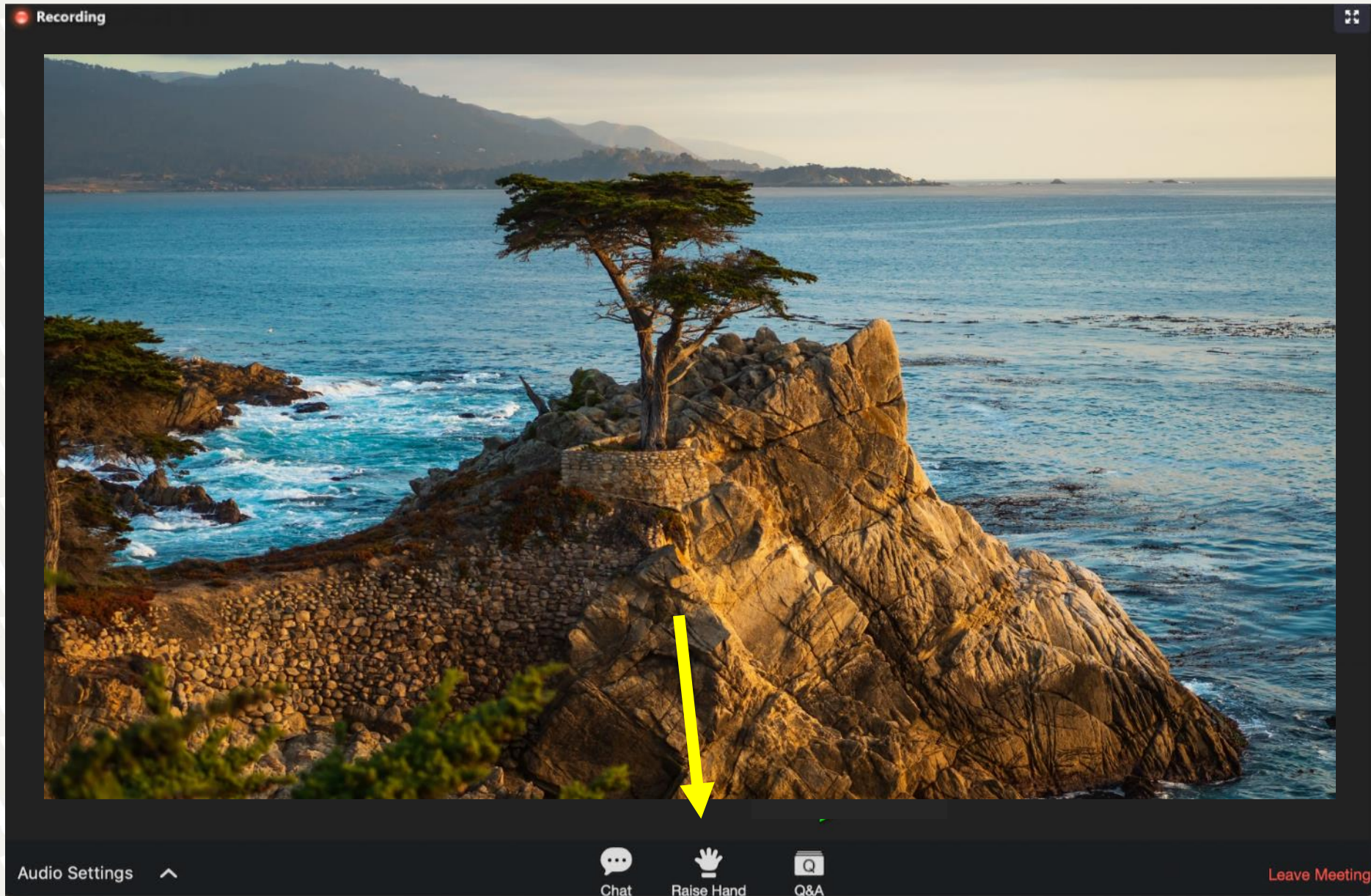
**Zoom Controls: Chat for Comments**





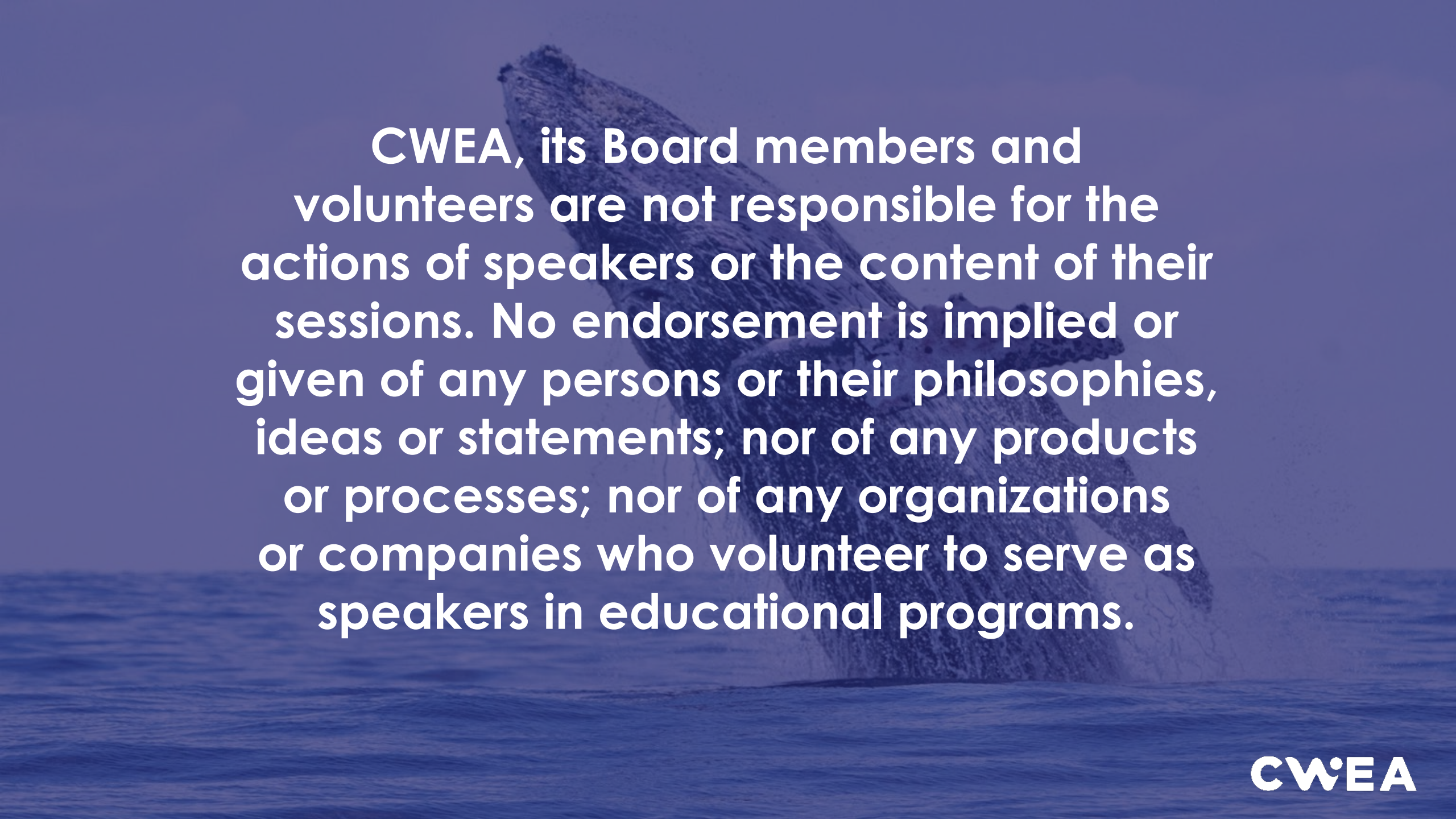
**Zoom Controls: Q&A for Questions**





**Zoom Controls: Raise Hand Feature May Not Be Used in Today's Webinar**



A large, weathered piece of driftwood lies on a sandy beach. The background shows the ocean with gentle waves under a clear sky. The entire image has a blue color overlay.

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# Ralph Stevens, CMRP, CAMA, CESC

CONSULTANT



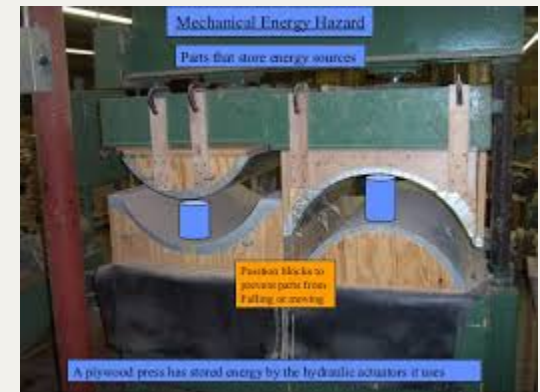
Release all stored energy





# Release all blocked or mechanical energy

## Mechanical Energy Hazards



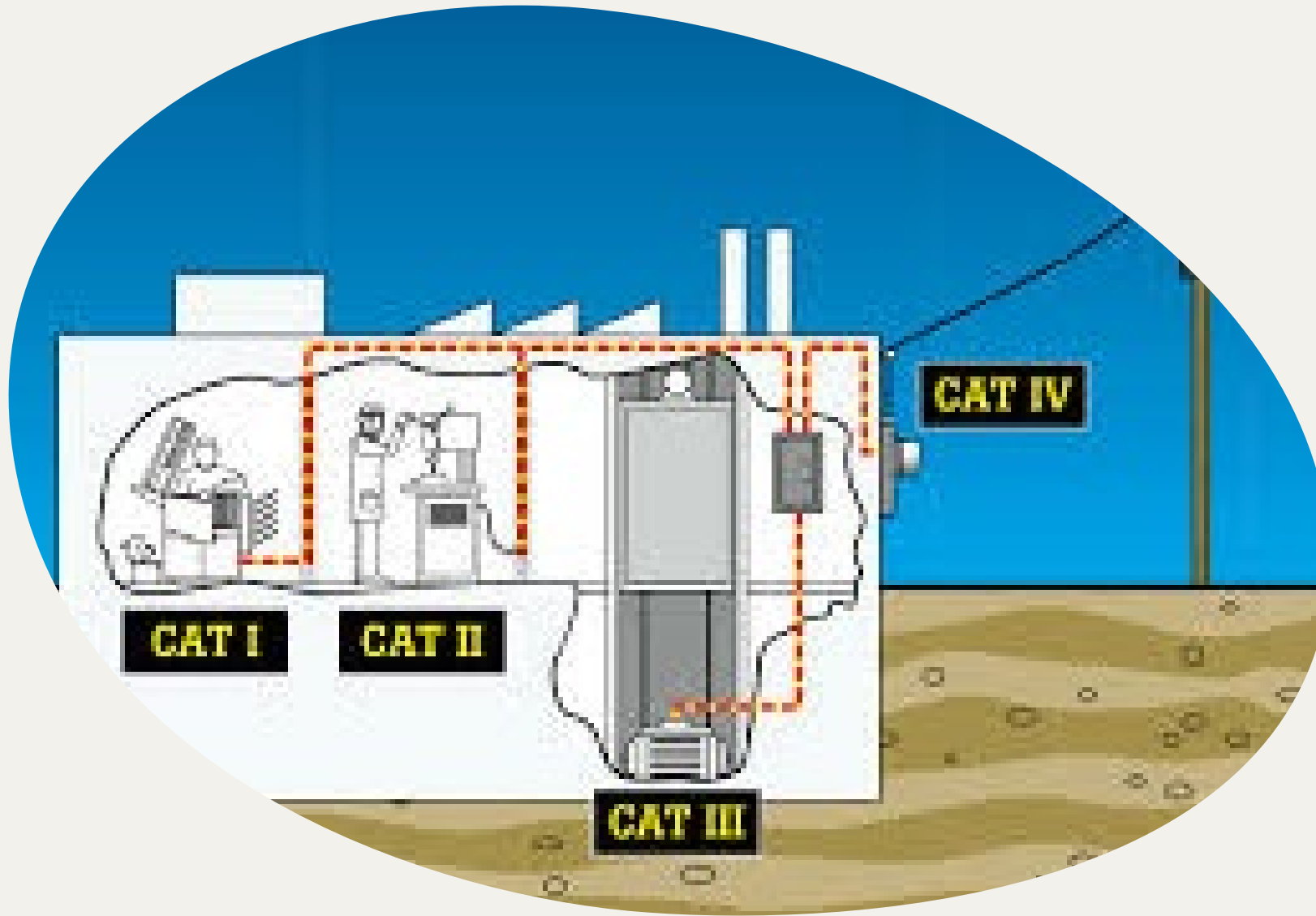




Apply LOTO







Use the  
right  
testing  
meter



**Ground all  
equipment**





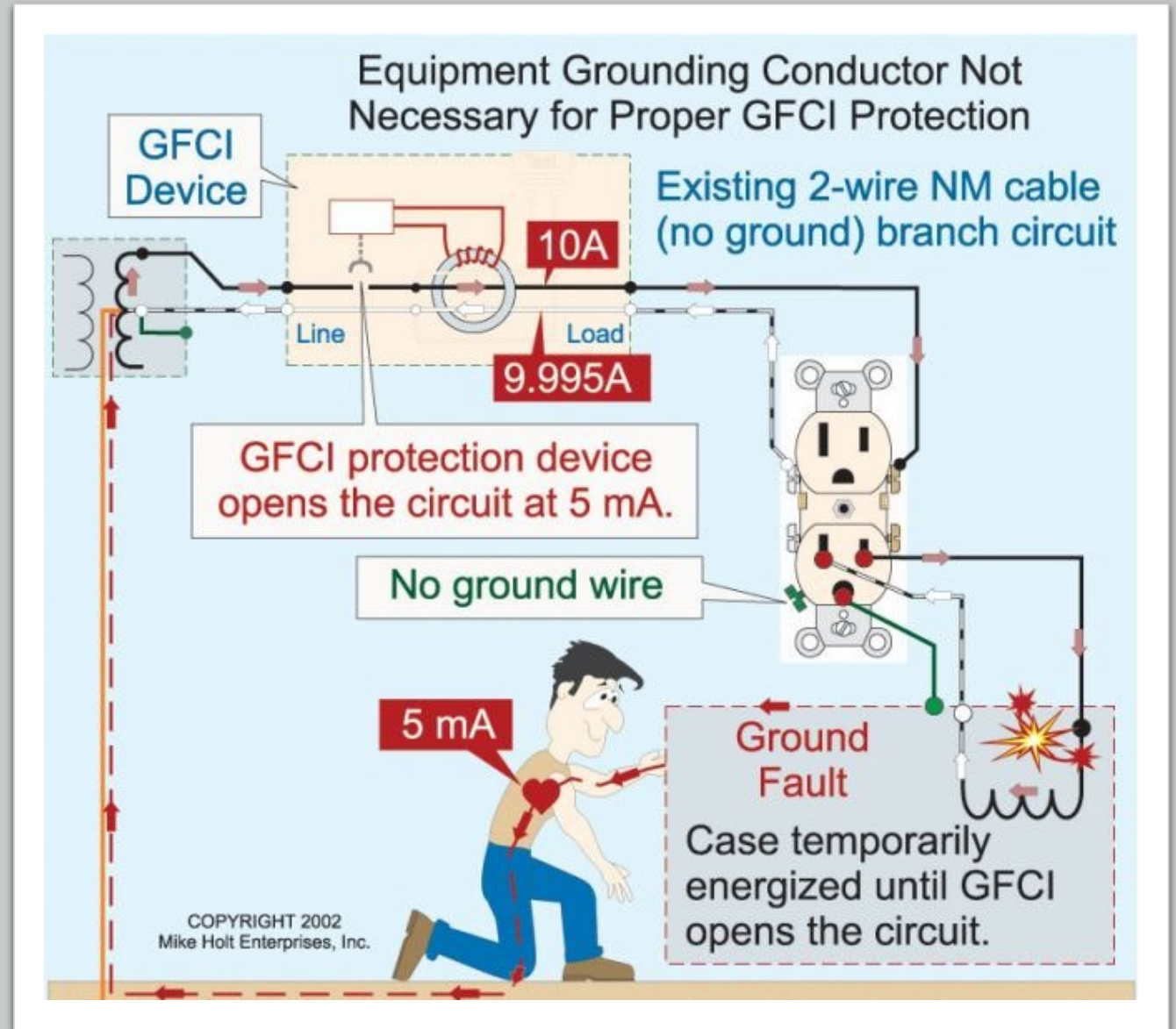
# Ground Assurance Program

- Do you have one in place?
- What is it?
- What is a GFCI?
- Do you check your cords and equipment?
- How often do you calibrate your test equipment?
- Document?





What does  
“GFCI” mean?











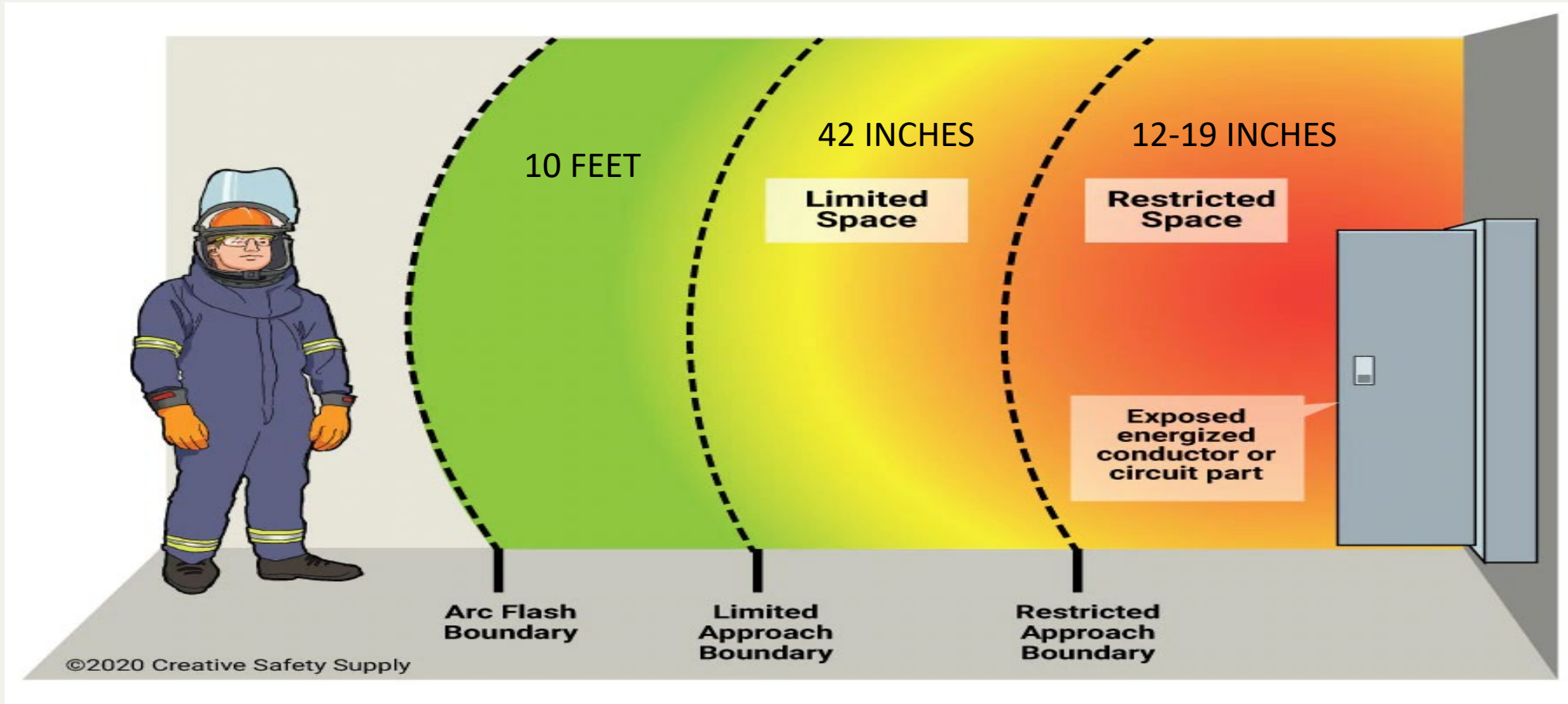
**Wear the correct PPE for the Hazard**



What is an  
ARC Flash?



# What is the Flash/Shock boundaries?



480 Volts Nominal Power Shock Area

## Electrically Safe Work Condition

A state in which an electrical conductor or circuit part has been disconnected from energized parts, locked and tagged in accordance to established standards, tested to verify the absence of voltage, and temporarily grounded for personnel protection if necessary.























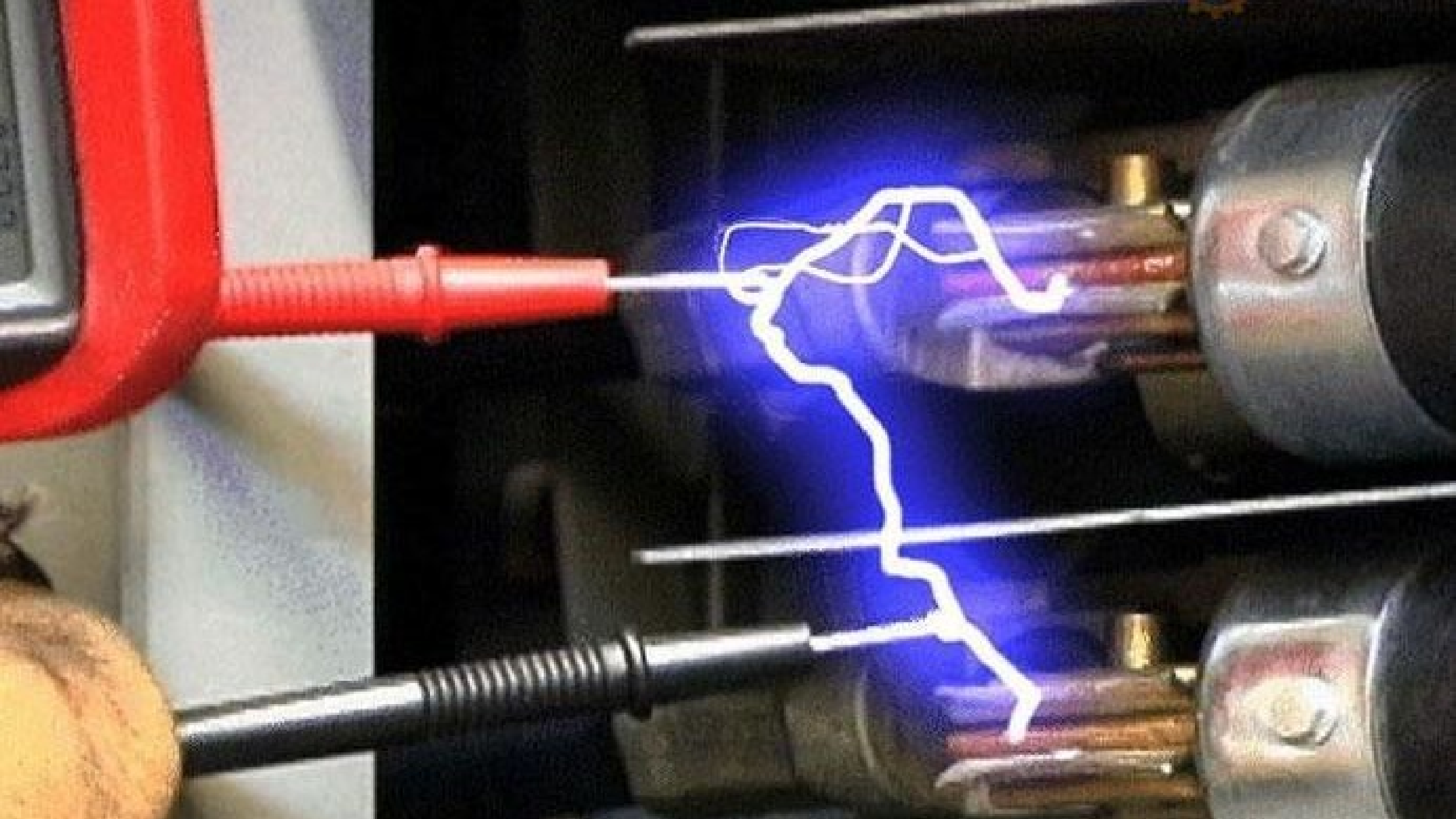
















JLG ULTRA BOOM

97 COVINGS 97 COVINGS

SHIRTS

HOTELS

HOTELS

70









































# QUESTIONS & ANSWERS



# Contact Hours

Live webinar participants who participate in the full webinar to see the slides and hear the audio will receive contact hours. Your contact hour certificate can be viewed on your [mycwea.org](https://mycwea.org) account in 1-2 weeks. [Further instructions for accessing your certificate can be found here.](#)



**Thank You!**

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**Please provide your feedback on this webinar:**

**[www.surveymonkey.com/r/NSD102920](http://www.surveymonkey.com/r/NSD102920)**



A photograph of a water treatment facility, featuring a large circular tank and a dam-like structure with water cascading over it. The image is overlaid with a blue tint.

**POLL QUESTION: Been Shocked**

**CWEA**





**POLL QUESTION: Proper PPE**

**CWEA**



A blue-tinted photograph of a water treatment facility. In the foreground, a large circular tank is partially visible. In the background, a concrete structure with a waterfall-like edge is shown, with water cascading down. The overall scene is industrial and clean.

# **POLL QUESTION: CWEA Electrical & Instrumentation Certification**

**CWEA**