



Photo credit: Pearce Renewables



Switch on Safety: Safety on the Front Lines

October 29, 2025 | 1PM – 2PM ET



Speakers



MODERATOR

Josh Rogers

Senior Director, Safety, Workforce
Training, & Operations, ACP



Dylan Anderson

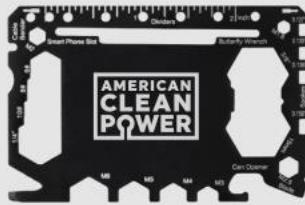
Operations Safety & Training
Coordinator, EDP Renewables



2025 Safety First Workforce Campaign Giveaway

FOR DETAILS & ELIGIBILITY, PLEASE VISIT:

cleanpower.org/switch-on-safety





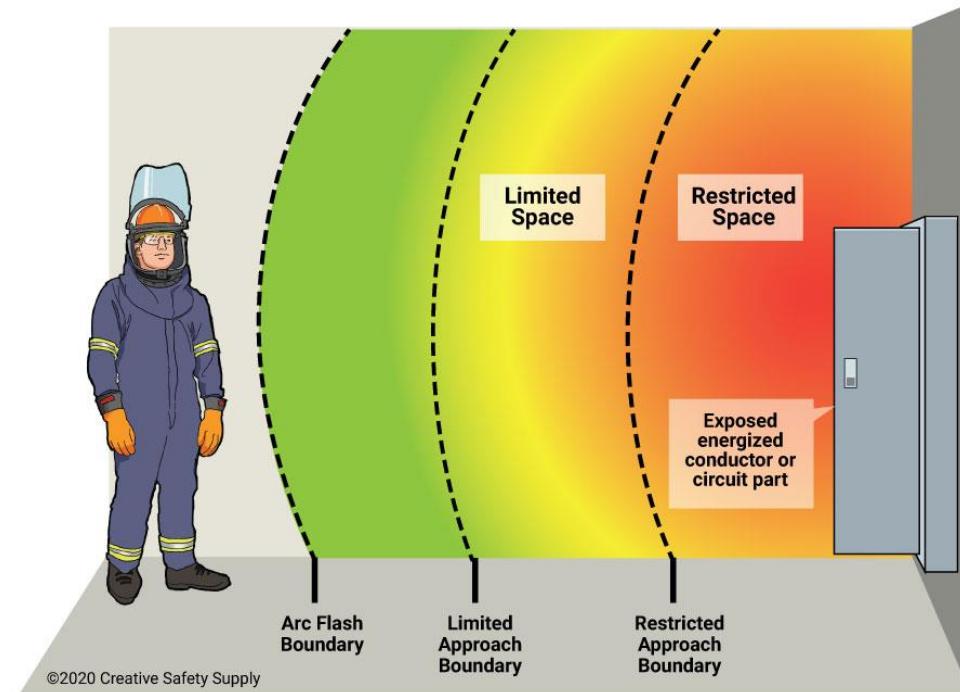
Introduction

- **Why electrical safety is critical**
- **PPE & hazard assessment**
- **Equip employees to perform safe work in the field**
- **Real world impacts and statistics**



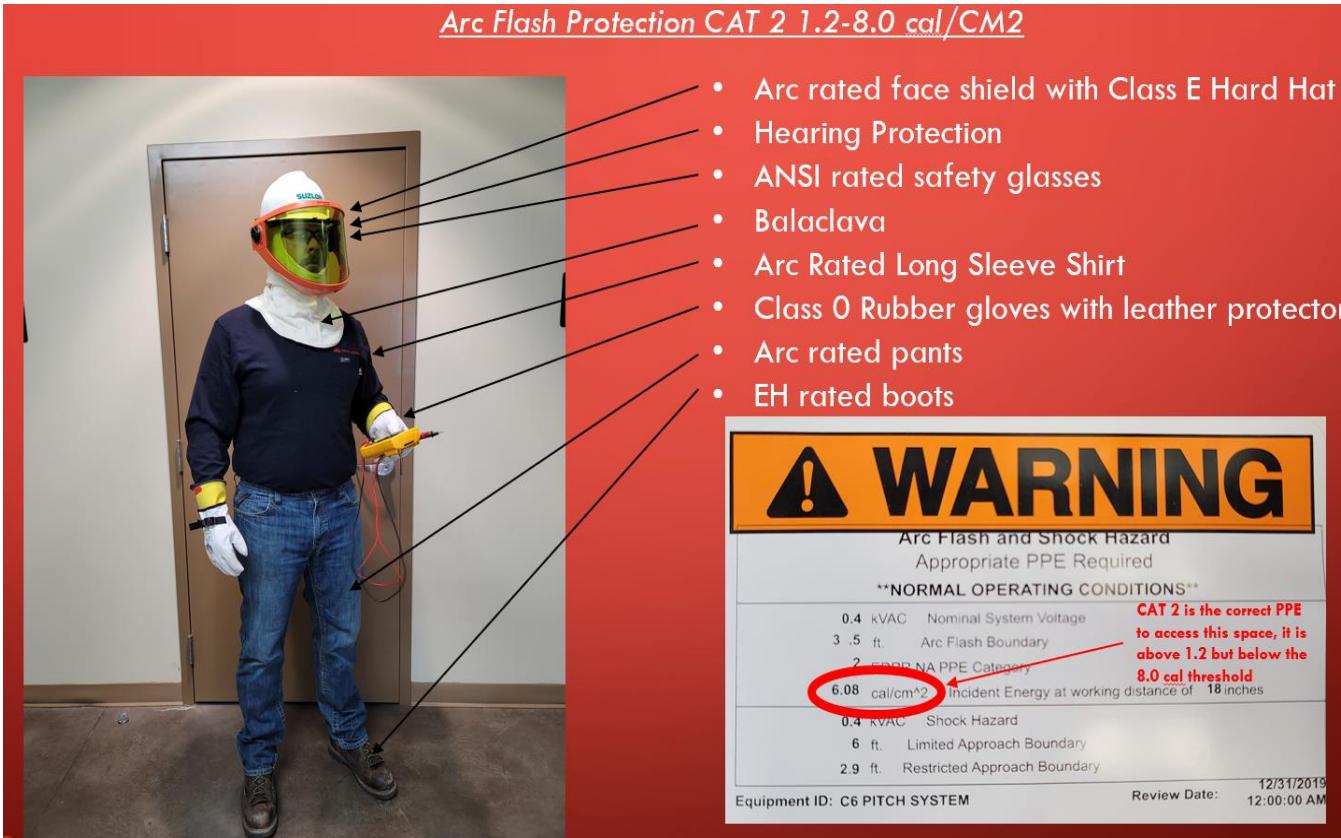
Understanding Electrical Hazards

- Types of electrical hazards: shock, arc flash, burns, arc blasts
- Potential consequences of unsafe work
- Risk factors in field environments
- Equipment specific training



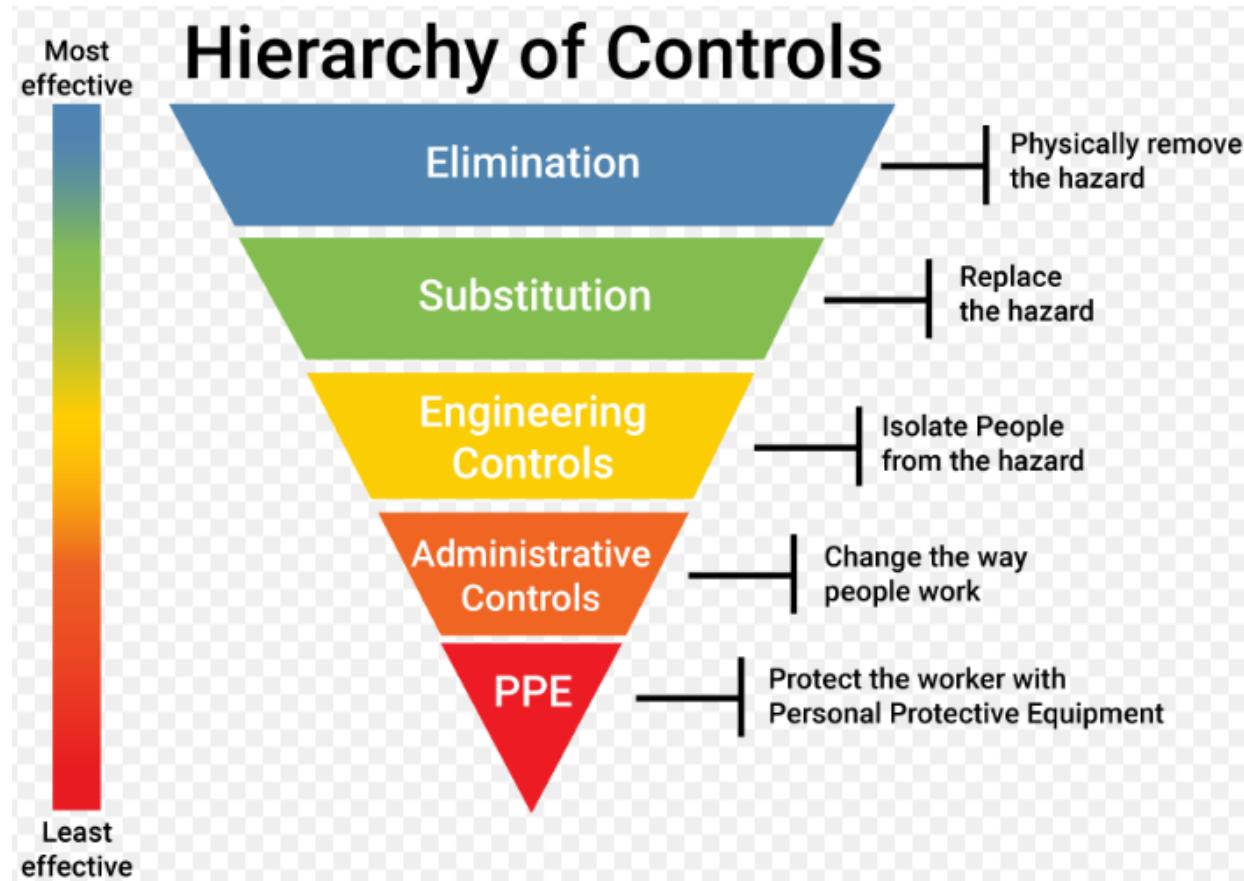
Personal Protective Equipment

Arc Flash Protection CAT 2 1.2-8.0 cal/CM2



- Role of PPE
- PPE is a last defense
- Common PPE Items
- Inspections and limitations

Safe Work Framework



Validating Safe Work



- Testing and verification steps before work
- Tooling/Equipment & PPE checks
- Supervision and peer verification rules

Lockout/Tagout (LOTO)

- Shutdown and isolate energy sources
- Apply Lockouts
- Verify absence of energy
- Control residual energies
- Protect against any adjacent energy sources



Video Example 1



- Turning off power sources and placing tags on isolation devices.

Video Example 2



- Checking for electrical hazards and the absence of voltage, as part of live-dead-live checks.

Video Example 3



- Reconfirming the meter works on a “live” electrical source, as part of live-dead-live checks.

Common Mistakes in the Field

- Bypassing LOTO procedures
- Assuming equipment is de-energized
- Improper use of PPE
- Poor communication



Case Studies

- During a control card replacement, a DC side switch unexpectedly closed
- Technician missed a critical LOTO step
- Inadequate LOTO procedure and Tech was not QEW
- New LOTO procedure and QEW certification



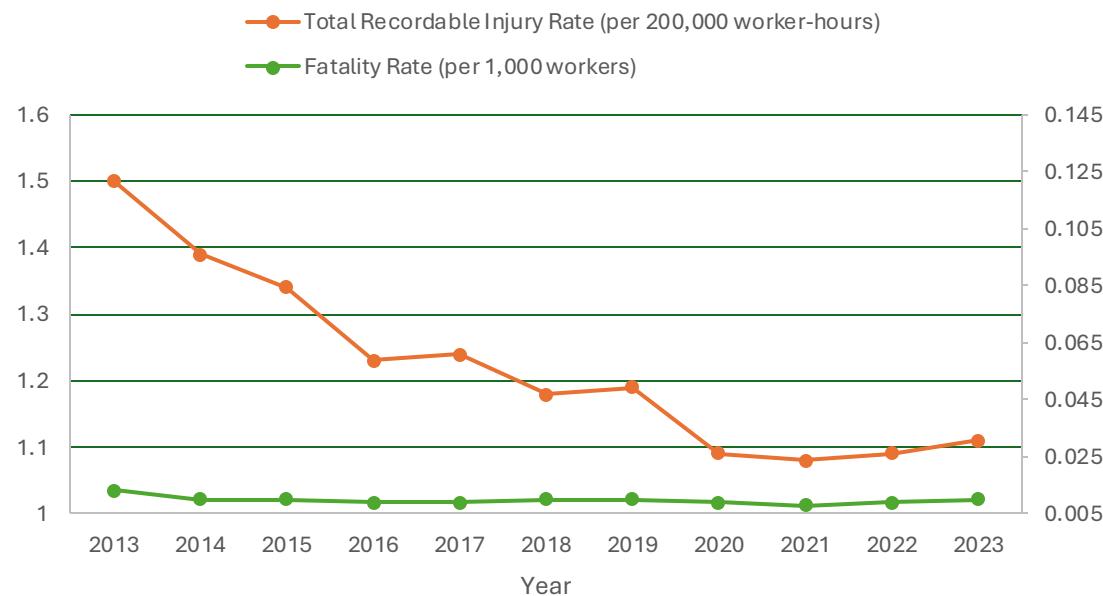
Case Studies

- Technician received a shock while loosening hardware on the DC side
- Residual voltage remained due to a non-isolated combiner box
- Incomplete energy isolation
- LOTO procedure and site layout awareness



High Energy Control Assessments

Injury and Fatality Trends for Electric Power Generation and Delivery
(Rolling 3-year average)



- High Energy Control Assessments
- Lagging metrics (TRIR) to proactive hazard control (HECA)
- Field Driven insights for continuous improvement



Best Practices

Plan every job
with safety in
mind

Follow
Procedures

Use PPE
properly

Communicate
hazards to
team members

Stop work if
conditions are
unsafe

Employee Engagement

- Encourage reporting incidents and near misses
- Participate in safety inspections and audits
- Share lessons learned with peers



Tools & Resources



Company SOP's and
LOTO procedures



PPE guidelines and
inspection protocols



Work instructions



Safety apps or
reporting platforms



Questions?



Thank You to Our Speakers!



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