

## High Voltage Qualified – Refresher

4-Hour Course

- PREREQUISITES** Prior Completion of High Voltage Qualified 8-hour course
- OVERVIEW** This class provides high voltage electrical safety refresher training based on OSHA 1910.269 and Subpart S, NESC and NFPA 70E. It keeps attendees up on the principles required for maintaining personal safety when working with or around 600v or higher.
- REFERENCES** *OSHA Regulations (as applicable), Current NFPA 70E Standard*
- MATERIALS** *e-Hazard High Voltage Qualified Refresher Workbook*

Example: 1:00 p.m. – 5:30 p.m. (4.5-hour session)  
3 – 10-minute breaks

Example

1:00	:10	<b>Introduction</b>	3:20		<ul style="list-style-type: none"> <li>Protective Grounding Principles</li> <li>AB Chance Video (:30)</li> <li>Site-Specific Considerations</li> <li>Considerations for Substations, Switchgear Facilities, etc.</li> </ul>
		<ul style="list-style-type: none"> <li>Review Key Safety Practices</li> </ul>		:50	
	:30	<b>1. Regulations &amp; Standards</b>			<b>6. HV Safety Equipment</b>
		<ul style="list-style-type: none"> <li>High Voltage Applicability</li> <li>Training Requirements</li> <li>Signage Requirements</li> <li>Energized Work Policies</li> </ul>		:20	<ul style="list-style-type: none"> <li>PPE</li> <li>Live-Line Tools</li> <li>Protective Grounds</li> <li>Insulating Equipment</li> </ul>
	:10	<b>2. Roles &amp; Responsibilities</b>			
		<ul style="list-style-type: none"> <li>Overview</li> </ul>		4:30	:10
	:10	<b>3. High Voltage Hazards</b>		4:40	
		<ul style="list-style-type: none"> <li>Touch &amp; Step Potential</li> <li>Example</li> <li>Induced &amp; Impressed Voltage</li> </ul>			<b>7. Mobile Equipment</b>
2:00	:10	<b>BREAK</b>			<ul style="list-style-type: none"> <li>General Requirements</li> <li>Inspections &amp; Dielectric Testing</li> <li>Regulations</li> <li>Qualified HV Operations</li> <li>Protective Grounding</li> <li>Cranes &amp; Derricks in Construction</li> </ul>
2:10	:30	<b>4. Protection Strategies</b>			:20
		<ul style="list-style-type: none"> <li>High Voltage Boundaries</li> <li>Barricading Considerations</li> <li>1982 Incidents Video (:06)</li> <li>Planning</li> </ul>		5:30	<b>END</b>
	:30	<b>5. Safe Work Practices</b>			
		<ul style="list-style-type: none"> <li>Steps for Creating an Electrically Safe Work Condition</li> <li>Documenting</li> <li>Reenergizing</li> </ul>			
3:10	:10	<b>BREAK</b>			