

## **Training Proposal: Utility Emergencies - What You Need To Know**

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**Course Title:** Utility Emergencies and Fires – What You Need To Know

**Course Duration** – 3-8 hours (The time and content can be adjusted to fit your needs. The topics included will vary with the allotted time.)

**Course Objectives** –

- Identify the hazards encountered when responding to utility emergencies
- Present information needed to make safe decisions at these incidents.
- Discuss appropriate strategy and tactics
- The course material is designed to help prevent a relatively minor utility emergency from becoming a major one and to help keep a major incident from becoming a tragedy.

**Course Content** –

- Computer generated incident simulations and actual incident video are used to introduce safety hazards and tactics, as well as to point out the results of both good and bad tactical and strategic decisions.
- A fact sheet handout is provided for each module.
- The topics covered can include the following modules:
  1. Electrical emergencies and fires
    - Overhead electric, underground electric & electric substations
  2. Carbon monoxide responses
    - Covered topics can include medical aspects of CO, CO alarms and CO investigations.
  3. Natural gas emergencies and fires.
    - Covered material can include both indoor and outdoor gas leaks and gas fires and explosions
  4. High Pressure Steam Emergencies
    - High pressure steam is produced by electricity generating plants and is used in some cities for heat. High pressure steam pipes traverse the streets of those cities. It is also generated and used in some hospitals, housing complexes and businesses.
    - The course covers the hazards, the necessary precautions and appropriate strategy and tactics needed to mitigate these emergencies.

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### **Target Audience –**

This course offers “need to know” information for all firefighters and company officers as well as providing a good review for chief officers. The hand out material could be used by instructors to bring course information back to the firehouse for drill.

### **Audio Visual Material –**

The course includes a PowerPoint presentation which includes computerized incident simulations, videos and photographs allowing students to visualize the topics under discussion.

### **Handout Material:**

- I will provide master copies of the handout for reproduction and distribution to attendees.
  - Fact Sheet for each module
  - If desired, gas, electric & steam articles written by Chief Montagna.

### **AV Requirements:**

- 1 PC compatible projector and screen and a microphone, preferably wireless.

[Click here for my Bio.](#)

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