

## **Mobile Fire Training Unit: Bring the Latest Fire Service Training to Your Doorstep**

### **Cutting-edge Structural Fire Training**

**When seconds count, firefighters' training matters.** With sights, sounds, and flames, the Mobile Fire Training Unit is bringing cutting-edge live-fire training experiences to West Virginia volunteer and career firefighters. The high-tech unit – the first of its kind in size and capabilities – is the latest addition to West Virginia University Fire Service Extension's proud legacy of training local firefighters.

### **WVU Fire Service Extension Trains Emergency Responders**

Firefighters need the latest hands-on training to protect lives and property. WVU Fire Service Extension is a leader in providing critical, high-quality training to public- and private-sector emergency responders. WVU Fire Extension Service instructors work with federal, state, and local organizations to meet national consensus standards and develop needed curricula. They train firefighters, emergency service workers, military personnel, and industrial employees. Now without leaving their communities, West Virginia firefighters are learning and practicing safe techniques in the nation's best mobile fire training unit.

### **West Virginia Communities Benefit**

Communities need efficient and effective fire departments to protect their lives, homes, and businesses. Training developed by WVU Fire Service Extension enhances firefighters' knowledge, skills, and abilities. Firefighters' enhanced competencies lead to better service and increased safety. Training is essential to operating an efficient and effective fire department.

### **A High-tech Safe Operation, the Mobile Fire Training Unit . . .**

- Develops basic firefighting skills, such as forcible entry through doors and windows, roof ventilation and other ventilation techniques, search and rescue, hose line operations, and basic firefighting operations.
- Allows trainees to use their local department's equipment, which increases their effectiveness during real emergencies.
- Simulates reality for firefighters by simultaneously running many training tasks common in residential or commercial structural fires.
- Supports safe training. Safety features include:
  - An environmentally sound system. The unit is fueled by clean-burning propane. It generates benign smoke that does not disturb the community.
  - Strict compliance with the National Fire Protection Association (NFPA) 1403, *Standard on Live-Fire Training Evolutions*.
  - Two emergency stops that completely shut down the operations and ventilate the interior within 45 to 60 seconds.
  - An observation room, which allows the lead instructor to operate the system by a cordless handheld control or a tethered handheld control.
  - An appropriate instructor-to-student ratio. The Incident Command System is followed, with a designated safety officer operating.
  - A bonus for chief officers taking the Incident Command System training. Chief officers work from a command vehicle during the simulation and gain on-site experience to improve ground operations and firefighter safety.

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***You can count on us!***

*People in your community . . . Knowledge at your doorstep.*



## Dimensions and Features

- The unit's dimensions and features include:
  - *Length*: 53-foot-long trailer.
  - *Traveling Height*: 13 feet.
  - *Operating Height*: 16 feet (when fully extended).
  - *Width*: 8 feet.
  - *Weight*: 50,000 pounds.
  - Three multi-prop propane-fueled fires: two on the first floor and one on the second floor.
  - Training props, including kitchen stove, couch, flammable liquid cylinders, electrical motor, and bed.
  - On-board smoke generation system.
  - Two 100-pound propane cylinders (fuel source).
  - Two stories (featuring collapsible second floor with internal staircase).
  - Two forcible-entry doors and two standard doors.
  - One forcible-entry window and one shuttered window.
  - Six moveable interior walls/partitions.
  - Adjustable pitched roof.
  - Agent application detection.
  - Rollover simulator.
  - Flashover simulator.
  - Self-contained breathing apparatus (SCBA) maze/confidence course with synthetic/artificial smoke.
  - Enclosed observation/control room.
  - Fully integrated sound system.

## Bring the Mobile Fire Training Unit to Your Community's Firefighters

- WVU Fire Service Extension transports the unit to and from training sites. (The unit will be housed in Morgantown until fall 2007, when it will be moved to the West Virginia State Fire Academy at WVU Jackson's Mill State 4-H Camp, Weston.)
- WVU Fire Service Extension does not charge a training fee. However, hosting agencies are asked to reimburse WVU Fire Service Extension for training materials and other expenses.
- The host fire department, fire school, or sponsoring agency must make the following arrangements:
  - Contact WVU Fire Service Extension at least 30 days before the desired training date.
  - Enroll a minimum of 12 trainees.
  - Secure a level, hard surface – concrete or asphalt – for the training unit.
  - Provide a staging area with two independent water sources that must be operational during the training evolutions. (Combinations could be two fire hydrants, a fire hydrant and a portable water tank, or two portable water tanks.)
  - Provide a Class A pumper with a pumping capacity of 750 GPM (gallons per minute) or greater, including a minimum of two 1½-inch hand lines.
  - Provide basic life support capabilities, including on-scene transport.
  - Provide incident scene rehabilitation, including hydration (water and sports drinks), medical monitoring, and ability to remove students.

## Contact WVU Fire Service Extension [www.ext.wvu.edu](http://www.ext.wvu.edu)

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