

## Fire Protection Engineering

### Background

Westinghouse Fire Protection Engineering provides innovative engineering solutions to complex fire hazards for nuclear applications. Our team can provide prescriptive and performance-based fire safety solutions that ensure results. As a specialty, fire protection engineering involves detailed technical understanding of combustibles and ignition sources, their effect on the building environments, and most importantly, the impact of fires on humans. We're committed to providing innovative solutions to your challenges, while delivering projects safely, on time and with the highest quality.

### Services Provided

- Facility Fire Assessments and Surveys
  - Probabilistic Risk Analysis (PRA)
  - Inspections and Existing Condition Assessments
  - Vendor Document Reviews
- Fire Code Compliance Analysis
  - Hazard Analysis
  - Combustible Loading
- Regulatory Compliance (OSHA)
  - Fire Protection Program Evaluation and Development
- Life Safety Consulting
  - Life Safety Analysis
  - Egress Analysis
- Fire Protection System Design
  - Manual Fire Protection Systems
  - Fire Protection Pumps
  - Fire Barrier Design and Requirements
  - System Maintenance Program
  - Seismic Standpipes
  - Structural Fireproofing
- Fire Suppression Design
  - Automatic Water Based Systems
  - Clean Agent Fire Suppression Design
  - Dry Powder Fire Suppression Design
- Fire Detection and Alarm Design
  - General Device and Panel Layout
  - Control Panel Programming for Detection, Notification and Initiation
  - Auxiliary Interfacing with Dampers, Fans, Elevators and Other Miscellaneous Equipment
  - Plant and/or Facility Networking
- Special Hazards System Design
- Fire Science Research, Development and Testing
- Fire Modeling and Testing

### Supporting Software

- CFAST
- SPRINK

### Personal Certifications

- Fire Protection Engineering degree
- Professional Engineer – Fire Protection
- Member – Society of Fire Protection Engineers
- Certified Fire Protection Specialist
- Certified Safety Professional

## Contact Westinghouse

### Jeff Hydeman

Fire Protection Director

e. [hydema@westinghouse.com](mailto:hydema@westinghouse.com)

p. 412.374.2791

### Lary Rosenbloom

Fire Protection Engineering Manager

e. [rosenblj@westinghouse.com](mailto:rosenblj@westinghouse.com)

p. 980.859.6794

To learn more about Westinghouse, visit [www.westinghousenuclear.com](http://www.westinghousenuclear.com) and follow us on LinkedIn at Westinghouse Electric Company



*Fire Protection Booster Pumps*