

# University Raises Safety Standards to Keep Community Safe

## Application Note

**Safety hazards and code compliance issues addressed in newly commissioned \$50 million powerhouse.**

### Challenge

A large Northeastern U.S. University and the city in which it is based converted from fuel oil #2 to natural gas in order to cut overall fuel costs. The university invested millions of dollars to commission a new powerhouse featuring all-new equipment, and hiring an engineering firm to install piping, burners and combustion management systems in preparation for the change. The staff of 24 operators, maintenance staff and EHS managers had never used natural gas or the new equipment, and the facilities director felt there was a high degree of risk. Safety was his number one priority and he sought training for the entire staff.

### Solution

After hearing about Honeywell Combustion Safety from industry associates who attended a Combustion Safety and Live Fire Workshop, the facilities director attended the next event in Cleveland, OH. Impressed by the course, he asked Honeywell to provide two days of on-site training for his staff. Prior to conducting training, Honeywell visited the powerhouse to conduct a walk-through. Any NFPA code concerns Honeywell spotted were brought to his attention prior to start up.

### Benefit

Honeywell Combustion Safety trained 22 boiler operators, maintenance workers and EHS representatives, teaching them the basics of combustion and how to work with natural gas, techniques for maintaining equipment and efficiency, code requirements and how to recognize safety hazards and prevent accidents. The facilities director returned to city officials, university management and the engineering firm with critical items to correct prior to introducing natural gas city-wide. There were code-related issues to be addressed in the powerhouse, such as lack of e-stops on the equipment, and ensuring that the firm conducting the purge was using an inert gas like nitrogen to protect the safety of students, staff and residents. The project was successful in better safeguarding both the university campus and the city.



## World Leader in Combustion Safety Services

With 30 years of industry experience, Honeywell Combustion Safety, formerly known as CEC Combustion Safety, is the world leader in managing and mitigating combustion equipment and fuel gas piping risk exposure. The company provides expert testing, inspection, training and engineering services for all types of fuel-fired systems across numerous industries throughout the world.

## National Code Committee Member

- **NFPA 85** - Boilers greater than 12.5 MM BTU/HR
- **NFPA 86** - Furnaces & Ovens
- **NFPA 87** - Fluid Heaters
- **NFPA 56** - Standard for fire & explosion prevention during cleaning & purging of flammable gas piping systems

## Facts and Figures

- Global service, engineering & upgrade capabilities
- Domain expertise with all types of fuel-fired systems across numerous industries
- 30,000+ fuel-fired systems inspected and safety tested
- SafeView - A unique online reporting system featuring a dashboard that trends and tracks issues, and empowers proactive decisions across one to 100+ facilities and thousands of fuel-fired systems
- Corporate-wide creation, implementation and management of safety programs
- Thousands trained annually with client-specific hazards, live-fire demos and online training
- Proven safety services to increase safety, reduce costs and increase reliability, efficiencies, and competitiveness while ensuring facility capacity

## Our Mission

To save lives and prevent explosions while increasing the efficiency and reliability of combustion equipment.

## For more information

Learn more about Honeywell Combustion Safety, contact [info@combustionsafety.com](mailto:info@combustionsafety.com), visit [www.combustionsafety.com](http://www.combustionsafety.com) or contact your Honeywell Sales Engineer.

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