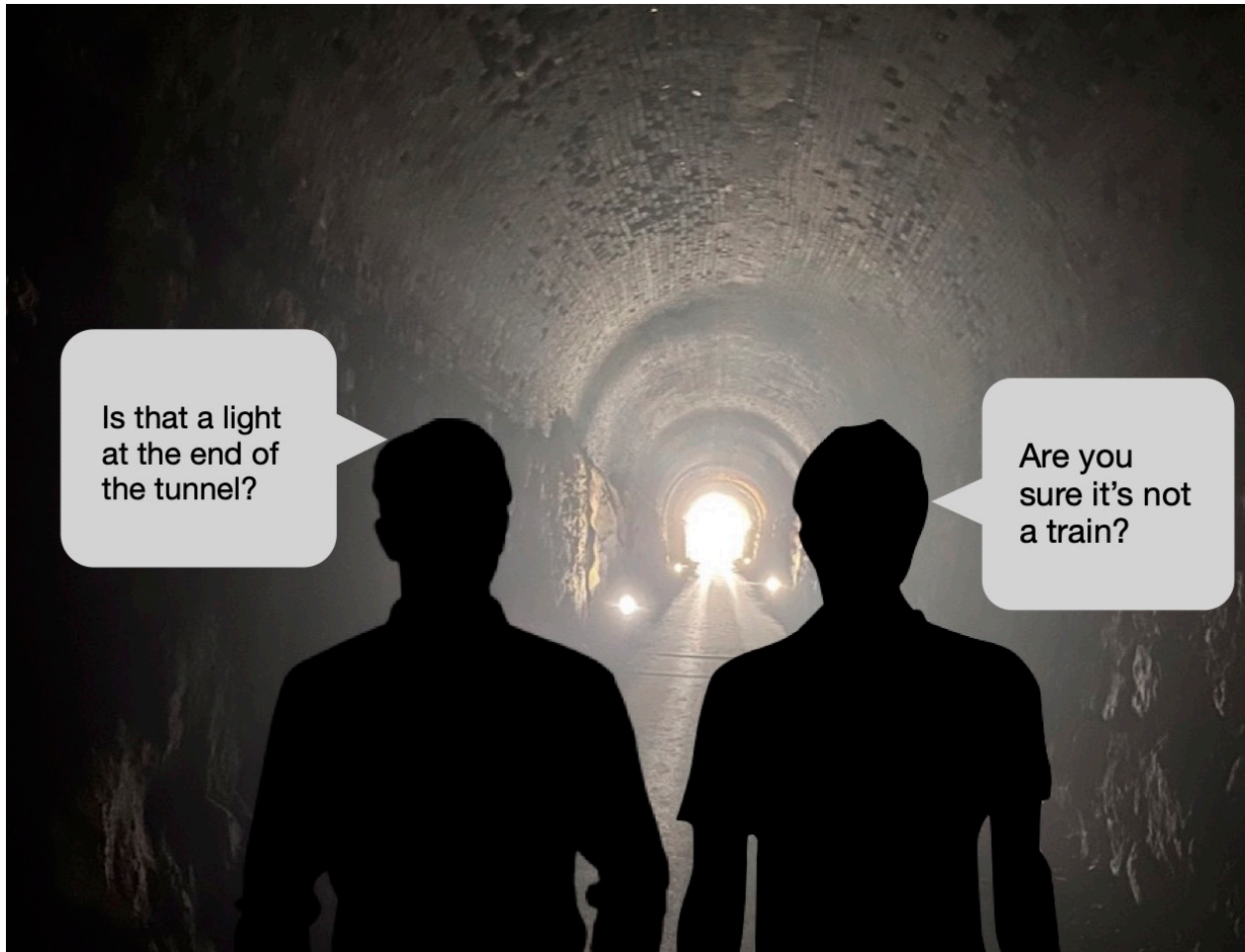


NABO NOW



Hope • Optimism • Planning



Hope

As we advance forward towards recovery from the covid restrictions, we hope that we will be able to turn our lives back to the way it used to be. However, it seems there is always another issue that could slow the recovery process.

The everyday action of consumers and the returning workforce have driven

the demands for products, fuel and services to a higher level.

The increased need for commodities and services may have a stumbling effect on our ability to return to any sense of normalcy. Fuel, its availability, and price is a major factor in how quickly this can happen.

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Optimism

Fuel is a vital part of our everyday life.

Industry which includes transportation and manufacturing rely heavily on readily available fuels and energy.

Approximately 81% of the energy generated in the US comes from fossil fuels (coal, Oil, and natural gas).

Natural gas accounted for about (30% of all energy consumed by the industrial sector in 2015), petroleum and other liquids (26%), and electricity (10%), with coal, renewables, and biofuels making up the rest.

Natural gas is likely to remain an important fuel for years to come. The EIA (US Energy Information Administration), who is optimistic in its short-term outlook, said natural gas should provide up to 34% of the industries energy needs in 2022.

According to the EIA, increased natural gas production is projected to satisfy 60% to 80% of a potential increase in demand for added liquefied natural gas, the difference must be imported.

Planning

The petroleum industry is struggling to maintain its pace with demand.

Some areas of the country are experiencing minor restrictions on fuel usage due to limited supply of natural gas.

Restricted fuel allocations can easily result in limited production scheduling or forced shutdowns which could lead to.

- Plant outages forced shutdown of essential plant operating equipment.
- Product Spoilage and

- Limited supplies of lubrication oils.

Have alternative energy sources available when possible, such as diesel generators or propane fuel to run product lines or equipment.

Plan maintenance and scheduling of items to ensure critical parts are available before equipment is taken out of service.

Increase Energy Efficiency

Improving energy efficiency not only reduces greenhouse gas emissions into the atmosphere, but it is also good for a corporation's bottom line. Developing and implementing an effective corporate energy management program allows companies to manage energy with the same expertise used to manage other aspects of their business.

NABO

It is a primary goal of NABO to fulfill the needs of its members and to promote safe operation of boilers and pressure vessels. Inspectors employed by NABO to perform inspections are commissioned by the National Board of Boiler and Pressure Vessel inspectors www.nationalboard.org and the Jurisdictions where the item is operated. Annual recertification and continued education help to ensure they knowledgeable of the current regulations.

It is important to understand that trained boiler operators and proper operating procedures, along with regular inspections and maintenance, are an essential part of safe boiler and pressure vessel operation.

Recall Notices

We do not claim to list all recall notices but highlight the ones we believe to be most pertinent to our members. To view all recalls, visit the Local, State, Federal, and Manufacturing websites.

US Boilers recalls Home Heating Boilers

Name of Product: Gas-fired hot water boilers

Hazard: The air pressure switch can fail to shut down the burners when there is a blockage in the vent system, allowing the boiler to emit excessive amounts of carbon monoxide and posing a CO poisoning hazard to the consumer.

Remedy: Repair

Recall Date: January 09, 2014

Units: About 26,000 in the United States and about 310 in Canada.

Consumer Contact: U.S. Boiler, toll-free at (888) 432-8887 from 8 a.m. to 4:30 p.m. ET Monday through Friday or online at www.usboiler.net and click on CPSC Product Recall Announcement for more information.



ESC boiler rating label location



PVG/SCG boiler rating label location.

Brass Ball Valve Failure in Power Boiler Service

A threaded NPS 2 forging brass ball valve, with a marked steam working pressure of 150 psig, failed while in service as a high pressure steam boiler blow-off valve. The boiler was designed to operate at a maximum allowable pressure of 125 psi. The failure occurred when the body of the valve, which was of two-piece construction, came apart, resulting in the release of high temperature water and steam from the boiler. In this incident, a worker in the vicinity of the boiler received serious burns and later died in hospital.

While the cause of the incident might not be the material specification, the

preliminary findings of an Alberta Boilers Safety Association investigation into the incident indicate the forging brass material specification of the valve was not permissible for a boiler external piping application.

The following notice was posted by the State of North Carolina

Boiler blow-off valves and the piping that joins the valves and other fittings to the boiler must be designed and constructed in compliance with the requirements of the ASME B31.1 Power Piping Code for boiler external piping. The material specification of the valve body design was identified as ASTM

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B283 C37700, forging brass. While this material is permitted by ASME B31.1 for use in some applications, its use in boiler external piping is specifically prohibited (see Note 1 of Table A-6, ASME B31.1).

All power boiler owners and equipment suppliers are asked to review the material specifications of valves and other fittings used in power boiler service and to replace immediately any inappropriate ones when they are found.

It is important to note that markings on valves and other fittings may not provide complete information to allow a user to determine whether or not these

fittings are suitable for a given application, such as boiler external piping. Also, material identification may not be on a fitting or in the manufacturer's sales brochure of the fitting. It is the user's responsibility to ensure that any fitting he or she is using is suitable for the intended purpose and complies with the applicable Code adopted under the Uniform Boiler and Pressure Vessel Act and the N.C. Administrative Code, Title 13, Chapter 13. Where full information is not immediately available, the user should contact the supplier or the manufacturer to get the necessary details.

Olight Ecommerce Technology Recalls Flashlights Due to Burn Hazard

Hazard: The flashlights can be turned on inadvertently and overheat while stored in the holster or a consumer's pocket, posing a burn hazard to consumers.

Remedy: Consumers should immediately stop using the recalled flashlights and contact Olight for a full refund in the form of a store credit or for a free replacement flashlight. The firm is reaching out to all known purchasers directly.

Units: About 215,100

Consumer Contact: Website: <https://www.olightstore.com/article.html?id=1498597352846782467>

E-mail: cs@olightstore.com

Phone: (888) 889-6870



DeWALT Recalls 18-inch Corded Chain Saws Due to Injury Hazard

Hazard: The chain saw can remain running when the switch is on the off position or turn on when plugged in, posing an injury hazard to the user.

Remedy: Consumers should immediately stop using the recalled chain saws and contact DEWALT to receive a pre-paid shipping label to

return the product directly to DEWALT in order to receive a free replacement chain saw.

Units: About 8,500

Consumer Contact:

Website: <https://www.dewalt.com/support/safety-notice-and-recalls>

E-mail: recall@sbdinc.com

Phone: (855) 474-5875



Eguana Technologies Recalls Evolve Home Energy Storage Systems with LG Battery Due to Fire Hazard

Hazard: The lithium-ion battery modules within the Evolve Home Energy Storage Systems can overheat, posing a fire hazard.

Remedy: Consumers should immediately contact Eguana Technologies to schedule a free repair to the Evolve system. All recalled units connected online will have the batteries state of charge remotely limited, to reduce the risk of overheating until the batteries are replaced. If your unit is not connected online, contact Eguana Technologies to schedule a technician to come to your residence to manually reduce the state of charge, at no cost. Eguana Technologies will arrange for all recalled lithium-ion batteries to be properly replaced and disposed of according to federal and state

regulations, and is contacting all known owners directly or through its installers.

Units: About 245

Consumer Contact:

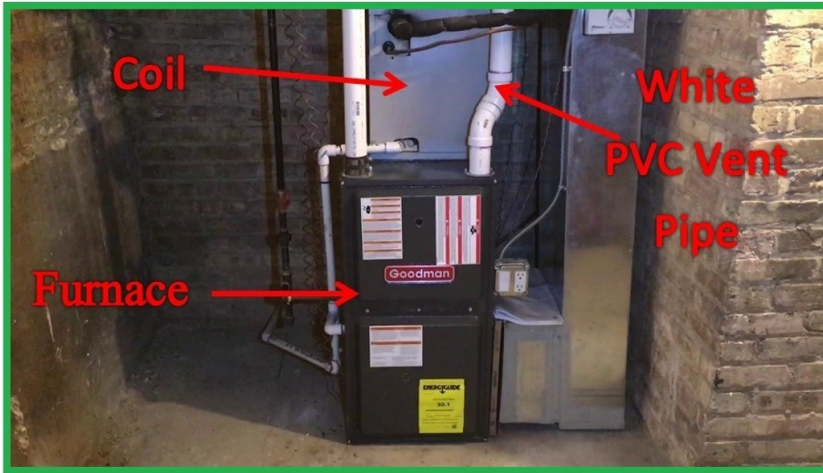
Website: <http://www.eguanatech.com/recalls>

E-mail: lgrecall@eguanatech.com

Phone: (800) 667-6478



Goodman Manufacturing Recalls Evaporator Coil Drain Pans



qualified technician. Consumers should visit Goodman's recall website to use a model verification tool for the evaporator coil, furnace, and outdoor condenser. Goodman's model verification tool provides step-by-step instructions for determining if your gas furnace system is subject to this recall. Goodman will also assist consumers in gathering information on their units

Hazard: The molded plastic drain pan located at the bottom of the evaporator coil, when installed with a residential condensing gas furnace in an up-flow configuration, can overheat, melt, and deform, posing a fire hazard.

Remedy: Contact Goodman Manufacturing Company to register for the free repair by a

including the drain pan serial number, the furnace model number and brand name, and the model number for the outdoor system.

Units: About 298,300 (In addition, about 44,000 in Canada)

Consumer Contact:

Website: <http://www.recallrtr.com/drainpan>

Phone: (888) 520-0579

Usines Giant Factories Recalls Gas Water Heaters with Emerson Control Valves Due to Risk of Carbon Monoxide Poisoning



Hazard: The heater's Emerson control valves can fail to close properly, causing soot to accumulate on the burner, posing a risk of carbon monoxide

poisoning to consumers.

Remedy: Consumers should immediately contact Usines Giant Factories, who will arrange to have the Emerson control valve replaced by a certified technician, and to receive a free replacement valve. Consumers who continue to use the water heaters while

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awaiting repair should have working carbon monoxide alarms outside of sleeping areas and on every level of the home.

Units: About 168 (in addition, about 10,832 were sold in Canada)

Consumer Contact:

Website: www.giantinc.com

E-mail: recall@giantinc.com

Bosch Thermotechnology Recalls Buderus Boilers Due to Carbon Monoxide Poisoning Hazard



Name of Product: Buderus GB125-35 oil-condensing boilers

Hazard: The siphon can become blocked, leading to a delayed ignition that can damage the boiler's exhaust system, creating a carbon monoxide hazard.

Remedy: Repair

Recall Date: December 20, 2019

Units: About 170

Bosch Thermotechnology at 800-323-1943 from 8 a.m. to 6 p.m. ET Monday through Thursday and Friday from 8 a.m. to 5 p.m. ET, via email at GB125.35Recall@us.bosch.com; or online at [https://www.bosch-](https://www.bosch-thermotechnology.us/us/en/residential/home/)

thermotechnology.us/us/en/residential/home/

and click on the

“Knowledge” tab, then click on

“Product Approvals, Certifications & Regulatory Info” for more information.

Recall Details

Description: This recall involves Buderus brand GB125-35 oil-condensing boilers distributed by Bosch. The boilers have a blue enclosure, and the GB125-35 model

number is located on the data plate near the top right hand side of the boiler. The Buderus brand name is printed on the outside of the boiler's blue enclosure. Bosch Thermotechnology and the model number are printed on a white label on the blue enclosure.

Remedy: Consumers should immediately contact Bosch for a free repair. Consumers who continue to use the boilers while awaiting repair should have a working carbon monoxide alarm installed outside of sleeping areas in the home.

Incidents/Injuries: None reported in the U.S.

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Sold At:
Wholesale distributors and installed by independent contractors nationwide

Manufacturer(s): Bosch Thermotechnik GmbH, of Germany

Importer(s): Bosch Thermotechnology Corp., of Watertown, Mass.

Distributor(s): Bosch Thermotechnology Corp., of Watertown, Mass.

Manufactured In: Germany

Recall number: 20-046

from June 2008 through September 2012 for about \$6,000.

Lightform Recalls LED Projectors Due to Fire Hazard

Hazard: The projector's fan can malfunction and overheat, posing a fire hazard.

Remedy: Consumers should immediately stop using the recalled projectors and contact the firm for a free software update for the projectors. Lightform is contacting all known purchasers directly.

Units: About 1,600

Consumer Contact:

Website: <https://lightform.com/firmware-update>

Phone: (855) 242-5066



Harbor Freight Tools Recalls to Repair Portable Heaters



Hazard: The fitting at the back of the heater can fail to be sufficiently tight, causing the heater to leak propane gas, posing a fire hazard.

Remedy: Consumers should immediately stop using the recalled propane portable heaters and inspect the heaters with a soapy water leak test per

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per these [instructions](#) from Harbor Freight to determine that the fitting at the back of the unit is not leaking. Harbor Freight is contacting all known purchasers directly with updated instructions for use and detailed instructions on how to inspect and tighten the fittings on the heaters if necessary, using the wrench supplied with

the product. If leaks persist, after self-inspection and appropriate tightening as needed, contact Harbor Freight Tools for more information.

Units: About 19,000

Consumer Contact:

Website: <http://www.harborfreight.com>

E-mail: recall@harborfreight.com

Got an important message for your fellow NABO members? Have an announcement that you'd like to share? Send your submissions for the NABO NOW! newsletter to James.Marsh@tuv sud.com



www.nabomembers.com

NABO GRANT PROGRAM

THE PROGRAM

The National Association of Boiler Owners and Operators (“NABO”) has established a Grant program to provide for and encourage eligible individuals to continue their education to pass the National Board Examination for boiler and pressure vessel inspectors and to become a National Board Commissioned Inspector.

This Grant program is administered by NABO. All awards are granted without regard to race, color, creed, religion, sexual orientation, gender, disability or national origin.

ELIGIBILITY

Applicants to the NABO Grant Program must be either:

- Children of individuals employed by or affiliated with ARISE Boiler Inspection and Insurance Company Risk Retention Group policyholder companies (“ABIIC”);
- Individuals who want to become commissioned boiler inspectors;
- Veterans of the United States Military Services; or
- Individuals with HVAC or Code or Non-Code boiler and pressure vessel manufacturing shop experience as a Welder or Quality Control.
- Must be a citizen of the United States.

ELIGIBLE EDUCATIONAL INSTITUTIONS

An Eligible Educational Institution is any accredited school that has a curriculum to prepare students to pass the National Board Examination to become a National Board Commissioned Inspector. See current National Board requirements here <http://www.nationalboard.org/Index.aspx?pageID=390&ID=483>

AWARDS

Applications will be reviewed against the program criteria by a selection process determined by NABO. Grant recipients will be selected on a competitive basis. If selected as a Grant Recipient, the student will receive an award in an amount of \$10,000 for tuition, books and related fees. Up to two awards will be granted each year. Applicants can reapply for additional awards each year while continuing their education.

APPLICATION

Interested individuals must complete the Application and submit it to:

NABO Grant Program

c/o ARISE Boiler Inspection & Insurance Co. RRG 7000 S.
Edgerton Road, Suite 100
Brecksville, OH 44141
Email: arise-NABO@tuvsud.com

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Applicants are responsible for gathering and submitting all necessary information. Applications are evaluated on the information supplied; therefore, answer all questions as completely as possible. Incomplete applications will not be evaluated. All information received is considered confidential and is reviewed only by the NABO Grant Program Selection Committee.

SELECTION OF GRANT RECIPIENTS

Grant Recipients are selected on the basis of academic record, demonstrated leadership and participation in school and community activities, honors, work experience, statement of goals and aspirations, and a personal interview, if elected by the NABO Grant Program Selection Committee. Financial need is not considered.

Selection of Grant Recipients is made by the NABO Grant Program Selection Committee. All Applicants agree to accept the decision as final.

Grant Recipients will be notified as soon as possible after receipt of the completed application. Not all applicants to the program will be selected as Grant Recipients. Students may reapply to the program each year they meet eligibility requirements.

PAYMENT OF GRANTS

All awards will be paid directly to the Eligible Educational Institution. Grant Recipients will be responsible for all income taxes due on any awards.

OBLIGATIONS

Grant Recipients must keep at least a "C" average in all courses in order to keep the award. If the recipient's grades fall below a "C" average in his or her courses, the Grant Recipient shall be required to repay the award to NABO. Grant Recipients must submit a transcript of courses taken and grades received to the NABO Grant Program Selection Committee at the end of each grading period.

AMENDMENTS AND TERMINATION OF NABO GRANT PROGRAM

NABO reserves the right to review the conditions and procedures of the NABO Grant Program and to make any changes at any time, including termination of the NABO Grant Program.

ADDITIONAL INFORMATION

Questions regarding the NABO Grant Program should be addressed to: NABO

NABO Grant Program

c/o ARISE Boiler Inspection & Insurance Co. RRG
7000 S. Edgerton Road, Suite 100
Brecksville, OH 44141
Email: arise-NABO@tuvsud.com

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Name _____

- 1. List the secondary school from which you graduated, and all higher education institutions attended.**

School	Location	Dates Attended
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- 2. List awards, scholarships, or special recognitions you have received.**

- 3. List college and high school activities**

- 4. List work experience**

