

# Frequently Asked Questions about Liquefied Natural Gas

Yankee Gas is proposing to build a Liquefied Natural Gas (LNG) plant in Waterbury to store increased gas supplies to meet Connecticut's growing energy demands.

## **What is LNG?**

LNG is Liquefied Natural Gas, or natural gas that has been cooled to a temperature of about -260° Fahrenheit. When cooled to a liquid state, the volume of the gas is reduced about 600 times, and is odorless, colorless, non-corrosive and non-toxic.

## **Where does LNG come from?**

LNG is imported to the U.S. by tanker from places like Trinidad & Tobago. The regional import location in New England is Everett, Massachusetts; this is one of four import facilities in the U.S. Minimal amounts of LNG are also produced in the U.S. by processing and converting natural gas into LNG.

## **How will LNG reach the Waterbury plant?**

Natural gas can be taken directly from interstate pipelines, processed, liquefied and stored. LNG can also be transported by truck and injected directly into the storage tank. Yankee expects to use both methods when refilling the tank.

## **How is LNG stored?**

LNG is stored in double-walled tanks that maintain a constant temperature and pressure to keep the gas in a liquid state. There are currently 54 LNG plants in the U.S.; two are located in Connecticut.

## **Why build an LNG tank in Waterbury?**

Yankee Gas' largest customer base is in the Waterbury area and the company already owns property on Eagle Street, an established industrial area and designated Enterprise Zone. The property is close to both interstate pipelines that supply natural gas, as well as interstate highways for truck deliveries.

In addition, Yankee Gas has a long history in Waterbury, where many of the company's employees and customers live and work. Building an LNG plant will bring significant new tax revenue to Waterbury, along with jobs during the construction project.

## **What will the storage tank look like?**

The proposed storage tank at Yankee's Eagle Street facility will be about 150 feet high and 158 feet in diameter, holding approximately 15 million gallons of liquid. In comparison, the clock tower in the center of Waterbury is 240 feet tall.

## **Why use LNG?**

With the capacity to store LNG, Yankee Gas can purchase supplies during summer months when price and demand are typically lower. This will allow the company to store greater reserves of fuel to meet the higher demand for gas during the coldest winter months, while keeping gas costs down for all customers.

And, like natural gas, LNG is a clean, energy-efficient fuel that can be used by business and residential customers for everything from heating your home and cooking your dinner to firing enormous industrial furnaces.

## **Is LNG safe?**

LNG has an excellent safety record. LNG plants are built to strict safety codes with extensive fire and leak detection systems. The proposed plant will have state-of-the art monitoring systems and plant security. In addition, Yankee Gas is committed to providing specialized LNG training for the Waterbury Fire Department.

**If you have a question about this project or about LNG or natural gas, we've set up a toll-free voice mailbox and e-mail, to make it easy for you to contact us. By phone, call (800) 793-1130, and leave your name and phone number so we can get back to you. For e-mail, write us at [YankeeLNG@nu.com](mailto:YankeeLNG@nu.com).**

