

Excavator Safety Near Gas Lines



Poster and detachable visor card included!



In case of an emergency call 911 and ConEdison at 1-800-75-CONED (1-800-752-6633)



conEdison

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IMPORTANTE:

La información que contiene este pamphlet es importante para proceder a una excavación cerca de una tubería de Gas. NO excave y primero llame al 811. Para emergencias llame al 911 y a Con Edison al 1-800-75-CONED (1-800-752-6633). Por favor, traducir.

POSTER AND DETACHABLE VISOR CARD INCLUDED!

IMPORTANT NATURAL GAS PIPELINE SAFETY INFORMATION ENCLOSED

Dear Excavator:

Make the call or don't dig at all.

Con Edison is committed to worker and public safety. Whether using handheld tools or operating heavy equipment, it's critical that every worker know the requirements and techniques for working safely around underground utilities—critical for themselves, their business, and the public.

Con Edison monitors and inspects its gas system to ensure public safety. Please take an active role in helping us keep our 4,300 miles of underground pipelines safe.

Call 811 to Have Underground Pipelines Located and Marked

To protect underground pipelines, New York state law requires you to call the local one-call center at **811** two to ten working days before you dig or excavate on public or private property.

Before you dig in New York City, call **New York 811** at **811** or **1-800-272-4480**, or visit **NewYork-811.com**. Before you dig in Westchester County, call **Dig Safely NY** at **811** or **1-800-962-7962**, or visit **DigSafelyNY.com**.

Con Edison will be notified of your intent to excavate when you contact 811, and will mark the approximate location of any pipelines in your proposed excavation area at no charge to you. Please keep in mind that Con Edison's marks will not indicate the presence of any protrusions, appurtenances, fittings, or valves that are inherent to underground pipelines. Please note that Con Edison will not provide facility depth information due to the possibility that a third party may have altered the grade in the digging area.

Excavator Requirements Once Gas Utilities Have Been Marked

After pipelines have been marked, you must determine their exact location using safe and acceptable means. State law prohibits the use of powered digging equipment within 24 inches on either side of marked underground facilities. If you must excavate within this 24-inch zone, use only hand tools and proceed with extreme caution. Even seemingly minor damage (such as a nick, dent, cut, or scrape of the pipeline surface, coating, marker balls, or tracer wire) could cause the pipeline to fail in the future.

Support long spans of exposed facilities to prevent collapse or sagging. Backfill carefully to prevent damage to facilities and to provide support beneath exposed facilities.

More details on New York City excavator requirements are available at **NewYork-811.com**. More details on Westchester County excavator requirements are available at **DigSafelyNY.com**.

Stay Safe!

We're glad to contribute to the well-being of your company, its employees, and the general public. If you are interested in a damage prevention presentation from Con Edison please call me at 1-718-425-6774. The other side of this mailer includes a detachable poster and visor card. Please share their important messages by hanging the poster in a prominent location where you and your coworkers can refer to it. Place the visor card in your vehicle as a quick reference. Stay safe!

Sincerely,

Pete Corredor

Peter Corredor,
Damage Prevention
Construction/Facilities Protection Group



conEdison
Make the call or
don't dig at all

PROPER BACKFILL REQUIREMENTS OF A GAS FACILITY

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When backfilling over a gas facility:

- A smooth surface shall be excavated in the bottom of the trench and around the pipes laid to grade. Where the trench is in a rock area, a minimum of 4 inches of Type 3/8 clean fill material shall be placed, wetted and mechanically compacted to form a firm base for the gas pipes.
- The trench shall be backfilled with Type 3/8 clean fill material which has been segregated to remove all rocks, which may damage the pipe coating, to a height of 12 inches above the pipe, in a maximum of 12 inch wetted lifts, which shall be hand compacted.
- The remaining trench shall be backfilled with Type 3/8 clean fill material, Type I clean fill material, Type II clean sand material or suitable existing backfill in a maximum of 12 inch wetted lifts, which shall be mechanically compacted.
- Be careful not to damage tracer wire or move/damage yellow marker balls.

In place material excavated from the trench or opening is suitable for backfill if it satisfies the following requirements:

- The excavated material is free of all broken asphalt pavement, broken concrete, brick, all organic material, and all debris.
- The excavated material is substantially sandy soil, gritty and granular in texture, and have a small amount of rocks compared to the total volume of soil. It has no rocks greater than 2" in size.
- The excavated material is substantially free of clay like or clayey soil. Clayey soil is determined as soil that is powder like in texture when dry and capable of being molded when wet.
- Frozen backfill material shall either be removed or broken into small particles before being compacted. Excessively wet material shall be mixed with dry material to reduce moisture content before backfilling.



Visor Card

5 STEPS TO SAFER DIGGING

- 1 Call 811 Before You Dig**
- 2 Wait The Required Time**
- 3 Confirm Utility Response**
- 4 Respect The Marks**
- 5 Dig With Care**

Stop digging if you uncover an unmarked line and call 811 immediately



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This color code chart will help determine which utilities have marked their underground utility lines.

- WHITE - Proposed excavation
- PINK - Temporary survey markings
- RED - Electric power lines, cables, conduit and lighting cables
- YELLOW - Gas, oil, steam, petroleum or gaseous materials
- ORANGE - Communications, alarm or signal lines, cables or conduit
- BLUE - Potable water lines
- PURPLE - Reclaimed water, irrigation and slurry lines
- GREEN - Sewer lines



Know what's below.
Call before you dig.

Pipeline Purpose and Reliability

Con Edison delivers natural gas safely and reliably through thousands of miles of pipelines in Manhattan, the Bronx, parts of Queens and Westchester County. These pipelines are regularly inspected for leaks, monitored for corrosion and upgraded to newer pipes.

Never bury a damaged facility! Even a minor scrape, nick or dent should be reported to Con Edison immediately. If not properly repaired, it could result in a future leak, service outage, explosion, accident, injury or death.



CALL 811 BEFORE YOU DIG
Seven days a week, 24 hours a day
This toll-free call will help protect life and property.

Make the Call or Don't Dig at All



- New York state law requires excavators to call 811 at least two working days but no more than ten working days.
- This is a free call and service to have utilities marked.
- Consider becoming a member of the Gold Shovel Standard Program. It is a combination certification and performance-monitoring program for excavation safety. GoldShovelStandard.com

- Pre-Mark out the area you plan to excavate with white paint, flags, or stakes.
- Wait for utilities to mark their facilities and confirm that all utility operators have responded through the Automated Positive Response (APR) system.
- You are responsible for maintaining the marks set down by the utility operators.
- Dig with care! You must hand dig or vacuum dig to locate the gas lines. Do not use powered equipment within the "tolerance zone" which spans the width of a marked utility plus 24" on either side.
- Please contact Con Edison if you are digging near an exposed Cast Iron gas main.

- For excavations in New York City call New York 811 at 811 or 1-800-272-4480, or visit NewYork-811.com.
- For excavations in Westchester call Dig Safely NY at 811 or 1-800-962-7962, or visit DigSafelyNY.com.



Leak Recognition and Response

If you suspect a pipeline leak or rupture, your primary concern should be for your safety and the safety of others.

- Avoid all potential ignition sources. Turn off equipment only when it is safe to do so. Avoid the use of cell phones and other electrical equipment.
- Leave the area immediately, by foot, in an upwind direction and direct others to do so too.
- Once you are a safe distance from the pipeline, call 911 and ConEdison at **1-800-75-CONED** (1-800-752-6633).
- Wait for local emergency responders and Con Edison responders to arrive. Stay a safe distance away from the pipeline. Do not attempt to operate pipeline valves.
- Do not try to put out a fire. If it's burning, let it burn.

SIGNS OF A NATURAL GAS LEAK

- **SMELL** – A distinctive, strong odor similar to rotten eggs.
- **SEE** – A white cloud, mist, fog, bubbles in standing water, blowing dust, or vegetation that appears to be dead or dying for no reason.
- **HEAR** – A roaring, hissing, or whistling sound.



Pipeline Marker

- The most important part of Con Edison's gas system is the gas transmission mains, which may be identified by the letters TM or TP written on the roadway or by pipeline markers. Please use extra caution when digging around these lines.
- Pipeline markers do not designate the exact location, depth or number of pipelines in an area, nor do they designate a straight line between adjacent pipeline markers.
- These markers display a warning that natural gas is being transported by Con Edison and the phone number which can be used in case of an emergency or suspicious activity.



ConEdison Pipeline Marker

- Maps of the transmission pipelines can be obtained from the National Pipeline Mapping System at npms.phmsa.dot.gov.
- NPMS identifies who is operating pipelines in your area along with their contact information. However, it should never be used as a substitute for calling **811** before digging or excavating!
- When you are working around a gas transmission main or pressure regulator station, in most cases, a Con Edison Representative will be monitoring the location after you have made the required one-call notifications.



ConEdison Pressure Regulator Station

Visor Card

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IF GAS IS ESCAPING THE PIPELINE

- Abandon all equipment and get a safe distance away.
- Don't do anything that could create a spark and ignite the gas, such as: starting a motor vehicle, smoking, using electrical equipment or cellphones.
- Call 911 and Con Edison when safely away from the leak.
- Evacuate the area and keep people out until emergency or Con Edison responders arrive.
- Do not operate any valves or try to put out any fires.
- Stay upwind.