



## Tips of the trade

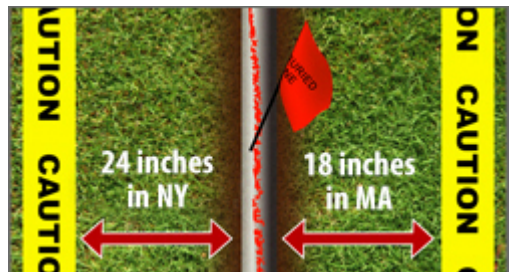
### Pipeline Safety

Welcome to National Grid's Tips of the Trade. National Grid is committed to your safety, and these tips are intended to help you work safely near our natural gas pipelines. Please review these tips with your coworkers at your tailgate or toolbox meetings before work begins.

## Tolerance zone awareness

The tolerance zone is a safety area that spans the width of a marked underground utility plus a specified distance from each indicated outside edge of the utility. Dig with care in this zone to prevent damage to marked utility lines and to protect yourself and your coworkers from injury.

The tolerance zone varies from state to state. It is 24" in New York and 18" in Massachusetts. For your safety, use **ONLY** hand tools or vacuum technology within this zone. *Always contact your state 811 center before digging and for the most current requirements.*



## Dig with care

When digging in the tolerance zone, use these nondestructive methods:

- **Hand dig with a rounded or blunt shovel.** Never use a pickaxe or pointed spade, and never stomp on a shovel with both feet. Those are sure ways to damage a utility line.
- **Start your digging off to the side of the marked utility line.** Use a gentle, prying motion to break away soil as you approach the utility laterally.
- **Never pry against a utility line** to remove soil.
- **Use vacuum excavation equipment.** This method relies on high-pressure air or water to quickly and safely remove soil. Be mindful of water pressure; use lower pressure and tips with multiple nozzles.

## Proceed with caution

**Take all necessary precautions to protect buried utilities from damage.** Always expose buried utilities to verify their location before power digging in or near the tolerance zone. Once the utilities are exposed, proceed with extreme caution. Power-digging equipment can damage an underground utility in no time. Even hand digging can compromise buried utilities by removing supporting soil, scraping protective coating, or nicking or denting conduit or pipe.

*Please help us improve our safety tips to meet your training needs. Take our two-minute survey.*

[Take survey](#)

For more contractor safety information, visit [ngridssafety.com](https://ngridssafety.com).

To report emergencies, call **911** and **National Grid** immediately. Always call **911** if you suspect a gas leak!

**Smell Gas. Act Fast.**



Know what's below.  
**811** before you dig.

In case of gas emergencies:

Long Island and the Rockaways:  
**911** and **1-800-490-0045**

Metro New York:  
**911** and **1-718-643-4050**

Upstate New York:  
**911** and **1-800-892-2345**

Massachusetts:  
**911** and **1-800-233-5325**

In case of electric emergencies:

Upstate New York:  
**911** and **1-800-867-5222**

Massachusetts:  
**911** and **1-800-465-1212**