

Tree Worker Safety

Work safely around electric and gas lines

Use this poster for employee training



To report emergencies, call **911** and **National Grid** immediately.

In case of gas emergencies:

Massachusetts: 911 and 1-800-233-5325
Rhode Island: 911 and 1-800-640-1595

New York:

Long Island and the Rockaways: 911 and 1-800-490-0045
Metro NY: 911 and 1-718-643-4050
Upstate NY: 911 and 1-800-892-2345

In case of electric emergencies:

New England: 911 and 1-800-465-1212
Upstate New York: 911 and 1-800-867-5222



Never work on trees within 10 feet of power lines.

Consider all power lines energized and dangerous.

- ◆ **Always consider every power line energized and dangerous**, including the service drop that runs from utility poles to buildings. Death or injury can result from contact, even with these low-voltage lines.
- ◆ **Never trim or remove trees within 10 feet of power lines up to 50 kV. Only tree trimmers and utility workers who are electrically qualified and trained can perform this work.**
 - Higher voltages require greater distance. Contact National Grid before work begins to determine proper safety clearances.
- ◆ **Never touch fallen power lines.** Stay at least 30 feet from downed distribution lines and 100 feet away from downed transmission lines, as they can energize the ground and nearby objects. If you do not know whether it is a downed distribution or transmission line, stay 100 feet away.



Point out power lines before work begins.

Call National Grid so you can work safely.

- ◆ **Always perform a hazard assessment** of the work site before work begins.
 - Walk around the tree(s) to be trimmed and the surrounding work area, viewing the site from all vantage points to spot all potential hazards.
 - Look for power poles, power lines and guy wires, pointing them out to coworkers.
- ◆ **If you must work in close proximity to power lines** or you notice a tree that is in contact with power lines, call National Grid to discuss options such as de-energizing, rerouting or removing power lines.
- ◆ **Clearly mark your work site with appropriate signage**, safety cones, reflectors, rope or tape to protect both workers and the public.



Call 911 and National Grid for all power line contacts.

If your equipment contacts a power line.

- ◆ **Stay on the equipment and warn others to stay away.**
 - Have someone call **911** and National Grid immediately. Stay on the equipment until National Grid utility workers say it is safe to get off.
 - Warn others to stay away. Anyone on the ground who touches the equipment may be injured or killed.
- ◆ **If a fire forces you off your equipment, protect yourself from becoming part of the electrical circuit:**
 - Jump clear, keeping both feet together, and without touching the equipment and the ground at the same time.
 - Shuffle away with small steps, keeping both feet together and on the ground at all times.



Use a dedicated spotter.

Always use a spotter to stay clear of power lines.

- ◆ **Always use a spotter** to assist in keeping personnel, equipment and tools clear of power lines.
 - A worker or equipment operator working alone cannot safely judge the distance from the equipment to overhead power lines. A spotter on the ground has a much better view.
- ◆ **Provide regular training to all workers** regarding safe tree-trimming techniques, equipment use and safety guidelines (including regular review of this poster). Hold tailgate safety and work planning sessions before the start of every work project.
- ◆ **Always wear proper protective gear**, including eye, face, head, hand and foot protection (in compliance with OSHA standards or the equipment manufacturer's guidelines).

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For more safety information and to request free training materials, visit ngridssafety.com.

SAFETY VISOR CARD for your vehicle
SAFETY POSTER for the break room or work trailer



Order free training materials

Safety kit includes

- ◆ **Contractor Beware®** booklets (15 English, 5 Spanish) These 8-page booklets feature full-color photos that illustrate key safety tips regarding overhead and underground power lines, excavation, spotter and equipment usage, and natural gas lines.
- ◆ **Worker Safety visor cards** (20) This is a quick reference guide to keep in your vehicle. It contains critical safety information and telephone numbers.

Worker Beware DVD contains

- ◆ **Worker Beware® video:** This video training tool contains the latest, utility-related safety information available and enhances our other program materials.
- ◆ **Slideshow:** This presentation is designed to enhance your safety meeting by introducing basic safety information to participants before viewing the video. It includes talking points to assist you with each slide.
- ◆ **Trainer's guide:** This comprehensive guide addresses everything you need to run an effective safety training session, such as learning preferences, room setup tips, a pre/post quiz, ideas for discussion, and activities.

Order FREE safety training materials from National Grid

- Please check kit language you would prefer:** English Spanish Both
- Where should we mail your FREE safety materials?**
Name: _____ Title: _____
Company: _____
Address: _____ Is this a home address? _____
City: _____ State: _____ Zip: _____
Phone: _____ Email: _____
- Number of employees** (including owner):
a. 0-5 b. 6-10 c. 11-20 d. 21-50 e. 51+
- Primary business activity** (e.g., roofing, excavation, plumbing): _____
- How will you use these safety materials?** (Circle all that apply.)
a. Safety meeting/training d. Personal knowledge
b. Tailgate/job site meeting e. Customer knowledge
c. New employee orientation/training f. Other _____
- What do you feel are the most important safety topics that need to be covered in training materials?** _____
- On a scale of 1-5 (1 = strongly disagree and 5 = strongly agree), how much do you agree with each of the following statements?**
___ National Grid is committed to the safety of workers like me.
___ The information National Grid provides is valuable for keeping workers safe around electricity and natural gas.
___ I expect National Grid to provide workers the information necessary to get their jobs done safely around National Grid's electric and natural gas infrastructure.
___ The workers at my company use the National Grid safety information to work more safely around electricity and natural gas.
___ The worker materials provided by National Grid help me and/or my coworkers perform their jobs more safely.
Thank you for your order. Materials will arrive in two to four weeks.

Kit #78760

#11868

Tree Worker Safety

Work safely around electric and gas lines

Keep this card handy in your vehicle visor or glove box.

Five steps for safe excavation

- Pre-mark your dig area** with white paint, flags and/or stakes.
- Call 811 or make an online request** well in advance of digging.
- Wait** the required time for utilities to locate and mark their lines: in New York, **at least two full working days** excluding the date of your call, weekends and legal holidays; in Massachusetts and Rhode Island, **at least 72 hours** excluding weekends and legal holidays.
- Respect** the marks and maintain them while digging.
- Dig with care** and follow hand-excavating rules.

* Lines carrying more than 50,000 volts require clearances greater than 10 feet. Cranes and derricks used in construction may require clearances greater than 10 feet and encroachment precautions. Call National Grid for specific clearance requirements.

American Public Works Association color code for locator marks



- Electric power lines
- Gas, oil or steam
- Communications lines, cables or conduit
- Temporary survey markings
- Potable water
- Reclaimed water, irrigation and slurry lines
- Proposed excavation
- Sewer and drain lines

If you find an unmarked line, stop digging and call **811** immediately.



Know what's below. 811 before you dig.



Tree Worker Safety

Work safely around electric and gas lines

Protect yourself, your crew and the public. Urge your employees to follow the enclosed safety tips when they work around energy lines.

#11868

Visit ngridafety.com and connect with us on



Safety Materials Distribution
104 Bridge Road
Salisbury, MA 01952



Free worker safety education program
National Grid is pleased to provide you with a sample, condensed version of our *Tree Worker Safety* poster and visitor card (attached). We're even more proud to offer you and your employees our comprehensive worker safety education program – FREE.

Safeguard yourself, your business and the public
Whether working with pruning tools or heavy equipment, it's critical that every worker know the requirements, guidelines and techniques for working safely around overhead utilities – critical for themselves, their business and the public.

Help reduce your risks
Our free worker safety education program can help you reduce the risk of utility contacts within your organization. We want to be sure you are aware of the hazards so you can reduce the potential risks of:

- Injury or death
- Lawsuits and property damage
- OSHA fines
- Clean-up costs
- Job cost overruns
- Higher insurance premiums
- Increased workers' compensation
- Worker days lost

Stay safe – order today
Please be sure to review our program (there's a brief description of the materials within this mailer next to the business reply card), then order by mail, fax or online, and incorporate these materials into your organization's regular training program. We're glad to contribute to the well-being of your company, its employees and the general public. Stay safe!

Sincerely,

Susan L. Thomas

Susan L. Thomas
Director: Corporate Safety

Smell Gas. Act Fast.

Please visit nationalgrids.com for more natural gas safety tips. Translations of important safety information and National Grid services are available by choosing the **Select Language** feature at nationalgrids.com.

This is an important notice. Please have it translated.

Este é um aviso importante. Querira mandá-lo traduzir. Questa è un'informazione importante, si prega di tradurla. Este es un aviso importante, sírvese mandarlo traducir. Đây là một bản thông cáo quan trọng. Avis important. Veuillez traduire immédiatement. Xin vui lòng cho dịch la thông cáo này.

Order these FREE electrical & natural gas safety training materials

Three easy ways to order:

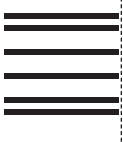
- 1. Online**
Visit ngridafety.com.
- 2. Fax**
Complete the attached order card and fax it to 1-978-463-1715.
- 3. Mail**
Complete the attached self-addressed, postage-paid order card and mail it.

Orders are filled on a first-come, first-served basis and supplies are limited, so order today. Materials will arrive in two to four weeks.

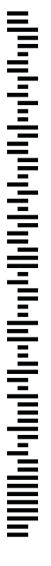
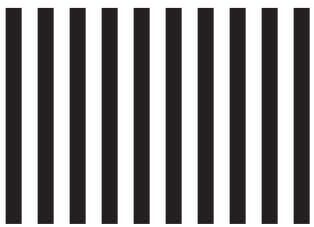


BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 80 NEWBURYPORTRT MA
POSTAGE WILL BE PAID BY ADDRESSEE

National Grid
Tree Worker Safety Program
104 Bridge Road
Salisbury, MA 01952-9912



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



Tree Worker Safety

If you contact a utility line, report even minor damage to 911 and National Grid.

Always call National Grid before work begins to determine proper safety clearances. If you must work in close proximity to power lines or you notice a tree that is in contact with power lines, call National Grid to discuss options such as de-energizing, rerouting or removing power lines.

If you contact a natural gas pipeline

- 1. Leave your equipment behind.** Warn others of the danger, and leave the area quickly. Stay away until utility personnel say it is safe to return.
- 2. Do not use matches, lighters or anything electrical – even a phone.** A spark could ignite leaking gas.
- 3. Do not operate any underground pipelines or attempt to stop the flow of gas.** Never bury a contacted pipeline.
- 4. From a safe location, call 911 and National Grid immediately.** Excavators are required by law to call 911 if gas is escaping.
- 5. Report the incident to your supervisor.**

If your equipment contacts a power line

- 1. Move equipment away from the line** if you can do so safely.
- 2. Have someone call 911 and National Grid immediately.**
- 3. Stay on equipment** until National Grid utility workers signal you off.
- 4. Warn others away** from the line and anything it is touching.
- 5. If fire forces you off,** jump clear without touching equipment and the ground at the same time. Land with your feet together and shuffle away with small steps, keeping both feet together and on the ground at all times.
- 6. Once clear,** do not return to the equipment until National Grid has declared it safe.

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