



First responder utility safety

Electrical and natural gas awareness

nationalgrid

If National Grid does not distribute electricity or natural gas in your department's response area, please coordinate your incident response with the appropriate local utility.





To learn more about first responder safety and order/access FREE training materials, visit **firstresponder.ngridsafety.com**.



At least 10 feet



Higher voltages require greater clearances.

Always assume lines are energized.

Keep all personnel and equipment at least 10 feet away from overhead lines. Consider placement of fully extended aerial equipment.

Use a spotter. An equipment operator working alone cannot safely judge the distance from the equipment to overhead power lines.

If your aerial equipment contacts a power line, consider them both energized:

- **Stay put,** warn others to stay away and have someone call National Grid immediately.
- **If you MUST get off the equipment due to fire or other danger, jump clear.** Land far enough away from the equipment so that you don't touch the equipment and the ground at the same time. Land with your feet together and shuffle away with small steps, keeping your feet together and on the ground.



Electrical safety distances given are minimums. Always use the maximum possible distance.



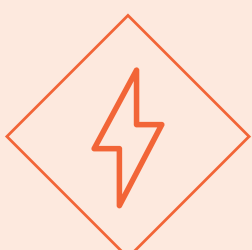
Let substations and transformers burn unless the utility instructs you otherwise.

Let it burn!

If a substation or transformer is burning:

- **Immediately contact National Grid** and wait for their personnel to arrive.
- **Let the fire burn** unless or until utility personnel instruct you to extinguish it.
- **Isolate the area at least 300 feet** in all directions. Keep unauthorized persons away.
- **Be alert to the risk of transformer explosions, smoke hazards and oil releases.** Stay upwind and consider initial downwind evacuation for **at least 1,000 feet**.
- **Protect area exposures to prevent fire from spreading.**
- **Monitor for oil runoff;** direct it away from catch basins or surface waters.

To report emergencies, call 911 and National Grid immediately.





Maintain a safe clearance from downed power lines.

Anything contacting a downed line may be energized.

Contact National Grid immediately. Never touch fallen lines. Secure the area.

Keep yourself and the public at least 30 feet away from downed distribution lines and objects that may be energized. Stay **at least 100 feet away** from downed transmission lines.

Do not attempt to enter or contact vehicles that may be energized:

- **Instruct vehicle occupants to drive away from the line if they can do so safely.** If the vehicle cannot be safely moved, instruct them to stay put until utility crews give the all clear.
- **If occupants are in imminent danger from fire or other hazards,** stay away. Instruct them to jump clear without touching the vehicle and the ground at the same time, land with their feet together and shuffle away with small steps, keeping their feet together and on the ground. If occupants are unable to safely exit the vehicle, your incident commander will tell you how to proceed.

In case of electric emergencies:

Massachusetts
911 and 1-800-465-1212

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





Dirt blowing



Dead or dying vegetation



Water bubbling



Exposed or damaged pipeline

Signs of a gas leak

Be alert for ANY of these gas leak indicators: a distinctive, sulfur-like odor; continuous bubbling in water; a hissing, whistling or roaring sound; dirt blowing into the air from a hole in the ground; dead or dying vegetation (in an otherwise moist area) over or near a pipeline; an exposed pipeline after a fire or flood; or a damaged connection to a gas appliance.

Know the procedures for gas leaks and fires.

If you suspect a gas leak, instruct your dispatcher to contact National Grid, and follow these procedures:

- **Park emergency vehicles away and upwind from the area,** and do NOT park over manholes.
- **Evacuate the area immediately.** Be alert to risks from migrating natural gas and evacuate accordingly.
- **Turn off gas at aboveground service meter valves or appliance supply lines only – NEVER at underground valves or relief valves.** If you shut off a gas service meter, leave it off. Only National Grid personnel can turn the gas back on.
- **Prevent gas leak ignition.** Do NOT ring doorbells, use garage openers, step on doormats, or turn on or off any lights, appliances or electrical devices, including e-cigarettes and vape pens. Use intrinsically safe radios and flashlights.
- **If leaking natural gas ignites, let it burn.** Do NOT use water to suppress a gas fire. Water may be used in a fog stream to protect exposures.

In case of gas emergencies:

Massachusetts
911 and 1-800-233-5325

New York
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



Smell Gas. Act Fast.

Get your FREE first responder training materials

Easy to order, download or stream

Visit **firstresponder.ngridsafety.com** or scan the QR codes.



Scan to go to order page, or use attached order card.



Scan to download tools or view videos.

Order

First Responder Beware® kit (20 booklets)

The 8-page booklets feature bold photos and clear text to help teach firefighters, EMTs, police and other emergency professionals about safety near electric and natural gas utility lines. These booklets cover downed power lines, substation fires, vehicle rescues, gas leaks and fires, and what to do if your equipment contacts a utility line.



Download/Stream

Online First Responder Beware training tools

Designed to enhance your safety training sessions, our slideshow introduces basic utility safety information. The presenter's notes include key points to assist you with each slide. Our trainer's guide will help you run an effective session.



Training videos

These four videos help inform first responders about how to respond safely to incidents involving utility facilities:

- *First Responders and Electrical Hazards*
- *AEGIS Electricity: Recognizing and Avoiding the Hazards I and II*
- *AEGIS Natural Gas: Recognizing and Avoiding the Hazards*
- *When Vehicles Contact Power Lines: Stay Inside, Stay Safe*



FREE first responder safety kit from National Grid

To order, simply fill out this card and mail it, or order online at firstresponder.ngridsafety.com.

1. Where should we mail your FREE booklets?

Name: _____

Title: _____

Organization: _____

Address: _____ Is this a home address? _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

2. Number of employees in your organization:

a. 0-5 b. 6-10 c. 11-20 d. 21-50 e. 51+

3. Nature of organization (e.g., police, fire, EMT): _____

4. How will you use your booklets? (Circle all that apply.)

a. Safety meeting/training b. New recruit

c. Other (explain): _____

5. What do you feel are the most important safety topics that need to be covered in the training materials? _____

6. 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 first responders like me.

___ The information National Grid provides is valuable for keeping first responders safe around electricity and natural gas.

___ I expect National Grid to provide first responders the information necessary to get our jobs done safely around National Grid's electric and natural gas infrastructure.

___ The first responders at my organization use National Grid safety information to work more safely around electricity and natural gas.

___ The first responder booklets provided by National Grid help me and/or my coworkers perform our jobs more safely.

Thank you for your order. Your kit will arrive in two to four weeks.

Kit #78465

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