

EARTHQUAKE

PREPAREDNESS

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Earthquake Terminology

Earthquake:

- a sudden slipping or movement of a portion of the Earth's crust, followed by a series of vibrations.

Aftershock:

- an earthquake of less intensity that follows the main earthquake

Associated Hazards

Collapsing of buildings & bridges

Disruption of gas, electricity & phone services

Landslides & Avalanches

Flash Floods

Fires

Tsunamis

(Not So) Fun Fact:

Since 1984 earthquake activity in San Diego County has doubled over that of the preceding 50 years!

Before an Earthquake Hits

- 1) Check for Hazards
- 2) Identify Safe Places Indoors & Outdoors
- 3) Learn How to Shut off Gas Valves
- 4) Have Emergency Supplies on Hand
- 5) Develop a Communication Plan

Check for Hazards

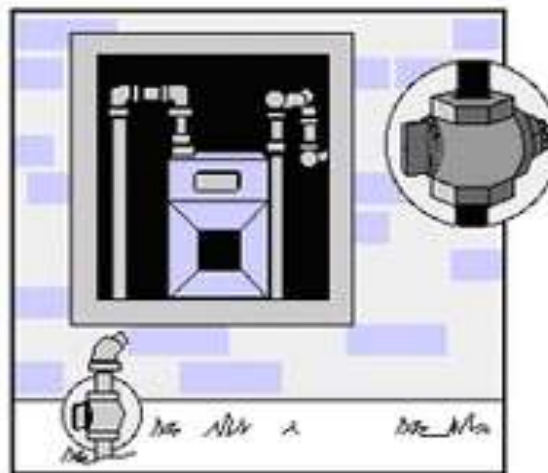
- ❑ Fasten shelves and décor securely to walls
- ❑ Place heavy objects on lower shelves
- ❑ Hang heavy items away from places where people sit
- ❑ Store any flammable products securely on bottom shelves in proper containers

Identify Safe Places

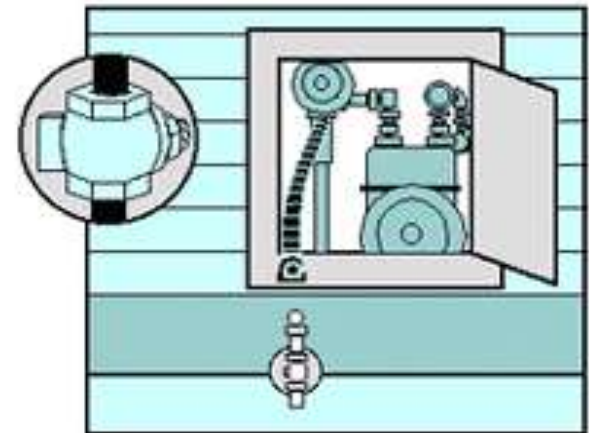
- Under sturdy furniture pieces such as a heavy desk or table
- Against an inside wall
- Away from any and all glass
- Away from heavy furniture that might fall over
- In the open, away from buildings, trees, electrical lines, overpasses etc.

Gas Valves

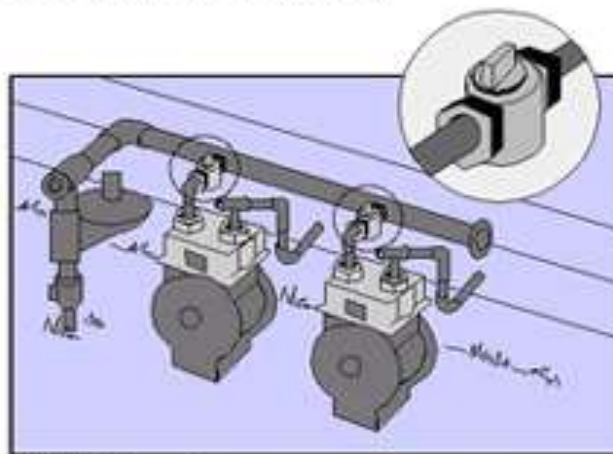
Know where your meter is located...
everyone!



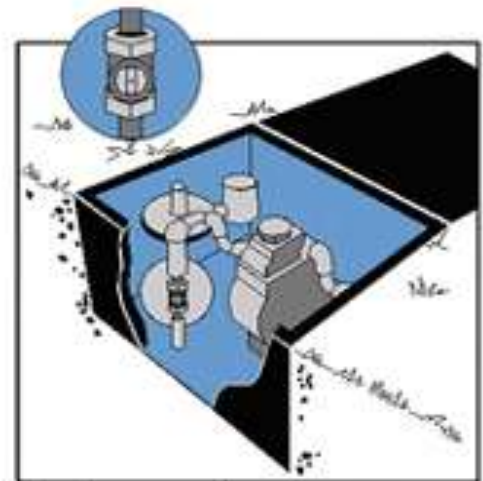
Under-the-house meter



Cabinet meter



Multiple meter

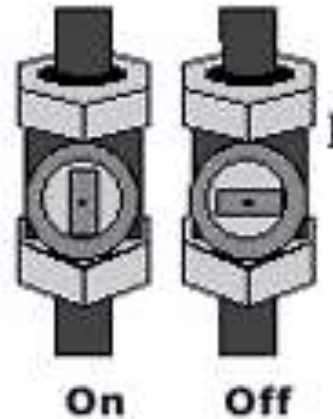


Underground meter

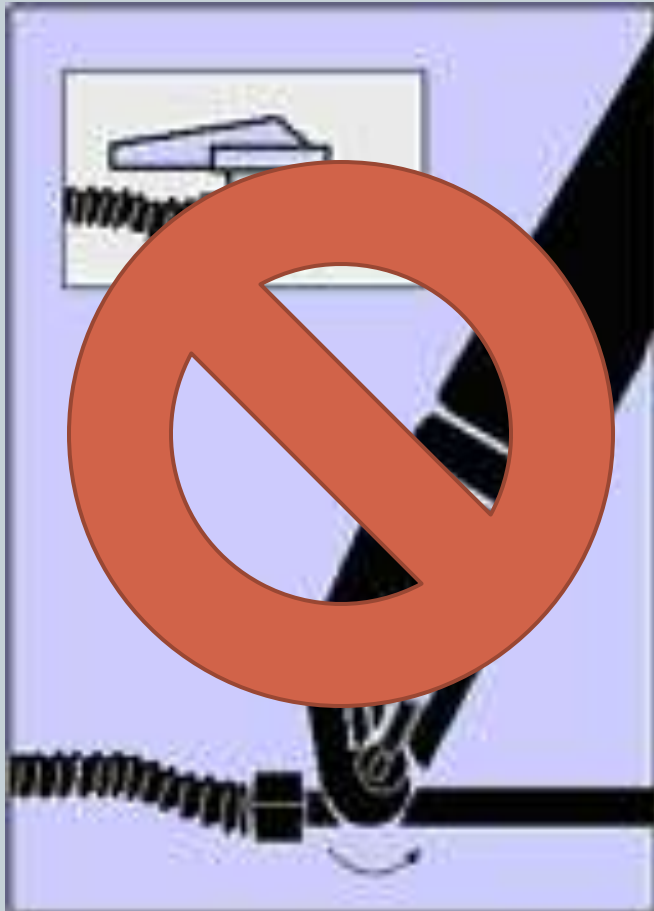
Utilizing the Shut-Off Valve



**Close-up
of a typical
gas valve**



Turning Gas Valves “On”



Contact SDG&E to turn valves back “On”. Do not turn on yourself!

Workplace Disaster Supplies

- Flashlight & extra batteries
- Battery-operated radio
- Emergency food and water
- Nonelectric can opener
- Medication
- First Aid kit and manual
- Tools & Supplies

Communication Plan

- Persons to identify after earthquake ceases:
 - ▣ Emergency Contact (family member/friend)
 - ▣ Your buddy property
 - ▣ Out of town contact

What to do During a Quake

Two Vital Tips

- If you're indoors, stay there!
- Steer clear of:
 - Bookshelves
 - Storage racks
 - Windows
 - Glass and Mirrors
 - Light Fixtures
 - Any other heavy objects

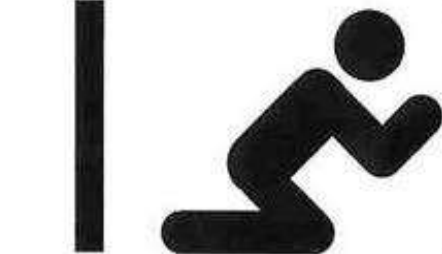
Duck



Cover



Hold



DUCK under a strong table or other protection

COVER your head with your hands or other object

HOLD the position until safe



After the Quake

After the Quake

- ❑ Move very carefully
- ❑ Use caution when exiting or entering buildings
- ❑ Check for injured or trapped persons
 - ❑ *Do not move unless in immediate danger*
- ❑ Check water supplies
- ❑ Salvage canned goods
- ❑ Turn-on battery-operated radio for latest safety reports

Immediately check for fires

- ❑ Fires start from broken gas line and appliance connections
- ❑ Use a flashlight when looking for gas leaks or fire hazards, do not use a lighted match or lantern!
- ❑ Don't use electrical switches or appliances if gas leaks are suspected because sparks can ignite gas from broken lines
- ❑ Never touch downed powerlines or objects in contact with downed powerlines

Utilize your Communication Plan

□ Contact:

- ▣ Emergency Contact (family member/friend)
- ▣ Your buddy property
- ▣ Out of town contact (if quake is severe)

Test Your Knowledge

Identify the Quake Hazards



Any Others?



1. Clutter beneath desk
2. Glass door & windows
3. Portrait & vases on top of bookshelf
4. Free-standing light fixture, not secured

Identify the Quake Hazards



Any Others?



1. Hanging light fixtures
2. Clutter on ground
3. Heavy items on shelf
4. Unsecure items

Where would you DCH?





Time for Practical Application