



Cross-Reference Guide by Disaster Type

The following section provides a quick-reference guide to some of the most common disaster types. Each listing provides a description of the disaster type and/or what to expect, along with a cross-reference table of the most-needed (or often overlooked) resource categories in the directory and their pages numbers for quick access.

These pages are an invaluable reference for pre or post-disaster planning for your business or organization

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Flood / Water



Floods are one of the most common hazards in the United States. Flood effects can be local, impacting a neighborhood or community, or very large, affecting entire river basins and multiple states.

However, all floods are not alike. Some floods develop slowly, sometimes over a period of days. But flash floods can develop quickly, sometimes in just a few minutes and without any visible signs of rain. Flash floods often have a dangerous wall of roaring water that carries rocks, mud, and other debris and can sweep away most things in its path. Overland flooding occurs outside a defined river or stream, such as when a levee is breached, but still can be destructive. Flooding can also occur when a dam breaks, producing effects similar to flash floods.

Be aware of flood hazards no matter where you live, but especially if you live in a low-lying area, near water or downstream from a dam. Even very small streams, gullies, creeks, culverts, dry streambeds, or low-lying ground that appears harmless in dry weather can flood. Every state is at risk from this hazard.

Source: www.fema.gov

Important Flood / Water Damage Planning and Remediation Categories in the Directory

384	Animal & Pet Services	389	Heating & Cooling Services
212	Appraisers	252	Homes-Mobile
213	Architectural/Engineering/Construction Consulting	252	Housing - Temporary & Long Term
315	Carpet Cleaning Services	203	Insurance Adjusters-Public
63	Cleaning & Restoration Associations	210	Insurance-Related Legal Services
289	Computer Hardware	254	Kitchens-Mobile
250	Computer Rooms & Data Centers - Mobile	389	Mailing, Printing & Inserting Services
386	Conservation Services - Art, Library & Museum	279	Microfilm Copying & Services
244	Containers	254	Modular Buildings
245	Cots, Beds, Blankets, Tents	366	Moisture Assessment & Infrared Thermography
311	Couriers/Secured Transportation	366	Mold Remediation
177	Crisis Management Consulting	255	Offices-Administrative, Mobile
387	Damage Assessment Services	217	Public Relations-Crisis Communications
274	Data Processing Sites Cleaning Services	257	Refrigeration & Freezing-Mobile
286	Data Storage Recovery Services	370	Restoration Contractors - Full Service
301	Decontamination Equipment-Portable	257	Restrooms-Mobile
319	Demolition Services	391	Salvage & Scrap Buyers/Liquidators
167	Disaster Recovery/Business Continuity Planning & Consulting	239	Sandbag Filling Equipment
209	Disaster-related Legal Services	247	Sandbags
320	Disposal & Recycling Services	248	Sanitation Supplies
321	Dry Cleaning/Laundry-Emergency & Specialty	258	Shelters-Portable
322	Drying & Dehumidification Services	259	Showers-Mobile
274	Electronic Equipment/PC Cleaning Service	259	Sinks-Mobile
186	Emergency & Crisis Management Consulting	381	Smoke & Odor Counteracting Services
326	Environmental Cleaning Services	240	Steam Cleaners & Pressure Washers
209	Environmental Legal Services	384	Textile & Garment Restoration Services
229	Equipment Rental	393	Transportation Services
190	Equipment Restoration Consulting	393	Tree Removal
330	Fire & Water Damage Restoration	244	Water Chillers, Water Heaters, A/C-Portable
361	Flood Damage Restoration		
232	Flooring-Access Type & General		
246	Food & Water-Emergency		
232	Furniture Rental		
365	Furniture Restoration		
233	Generators		
261	Government Services		

Fire



Each year, more than 4,000 Americans die and more than 25,000 are injured in fires, many of which could be prevented. Direct property loss due to fires is estimated at \$8.6 billion annually.

To protect yourself, it is important to understand the basic characteristics of fire. Fire spreads quickly; there is no time to gather valuables or make a phone call. In just two minutes, a fire can become life-threatening. In five minutes, a residence can be engulfed in flames.

Heat and smoke from fire can be more dangerous than the flames. Inhaling the super-hot air can sear your lungs. Fire produces poisonous gases that make you disoriented and drowsy. Instead of being awakened by a fire, you may fall into a deeper sleep. Asphyxiation is the leading cause of fire deaths, exceeding burns by a three-to-one ratio.

Source: www.fema.gov

Important Fire Planning and Remediation Categories in the Directory

227	Air Cleaning Equipment	190	Equipment Restoration Consulting
315	Air Duct Cleaning Services	330	Fire & Water Damage Restoration
384	Animal & Pet Services	232	Flooring-Access Type & General
212	Appraisers	214	Forensic Analysis
213	Architectural/Engineering/Construction Consulting	232	Furniture Rental
385	BoardUp Services & Supplies	365	Furniture Restoration
315	Books/Documents Restoration	233	Generators
315	Carpet Cleaning Services	311	Guard Services
63	Cleaning & Restoration Associations	90	Health & Related Associations
250	Computer Rooms & Data Centers - Mobile	389	Heating & Cooling Services
386	Conservation Services - Art, Library & Museum	252	Homes-Mobile
386	Construction Services - Emergency	252	Housing - Temporary & Long Term
244	Containers	203	Insurance Adjusters-Public
387	Damage Assessment Services	210	Insurance-Related Legal Services
274	Data Processing Sites Cleaning Services	238	Lighting Equipment-Emergency
286	Data Storage Recovery Services	389	Mailing, Printing & Inserting Services
317	Debris Removal Service	254	Modular Buildings
319	Demolition Services	255	Offices-Administrative, Mobile
167	Disaster Recovery/Business Continuity Planning & Consulting	217	Public Relations-Crisis Communications
209	Disaster-related Legal Services	257	Refrigeration & Freezing-Mobile
320	Disposal & Recycling Services	370	Restoration Contractors - Full Service
321	Dry Cleaning/Laundry-Emergency & Specialty	391	Salvage & Scrap Buyers/Liquidators
322	Drying & Dehumidification Services	258	Shelters-Portable
274	Electronic Equipment/PC Cleaning Service	313	Signs - Warning
186	Emergency & Crisis Management Consulting	381	Smoke & Odor Counteracting Services
209	Environmental Legal Services	248	Smoke & Odor Products
229	Equipment Rental	240	Steam Cleaners & Pressure Washers
		384	Textile & Garment Restoration Services

Earthquake



One of the most frightening and destructive phenomena of nature is a severe earthquake and its terrible aftereffects.

Earthquakes strike suddenly, violently, and without warning at any time of the day or night. If an earthquake occurs in a populated area, it may cause many deaths and injuries and extensive property damage.

Although there are no guarantees of safety during an earthquake, identifying potential hazards ahead of time and advance planning can save lives and significantly reduce injuries and property damage.

Source: www.fema.gov

Important Earthquake Planning and Remediation Categories in the Directory

315	Air Duct Cleaning Services	90	Health & Related Associations
384	Animal & Pet Services	243	Heating & Cooling Equipment-Portable
212	Appraisers	389	Heating & Cooling Services
213	Architectural/Engineering/Construction Consulting	252	Homes-Mobile
385	BoardUp Services & Supplies	252	Hospitals-Mobile
315	Carpet Cleaning Services	252	Housing - Temporary & Long Term
63	Cleaning & Restoration Associations	203	Insurance Adjusters-Public
289	Computer Hardware	210	Insurance-Related Legal Services
250	Computer Rooms & Data Centers - Mobile	254	Kitchens-Mobile
386	Conservation Services - Art, Library & Museum	238	Lighting Equipment-Emergency
227	Construction Equipment Rental	389	Mailing, Printing & Inserting Services
386	Construction Services - Emergency	254	Modular Buildings
245	Cots, Beds, Blankets, Tents	255	Offices-Administrative, Mobile
311	Couriers/Secured Transportation	368	Overspray Removal Services
177	Crisis Management Consulting	217	Public Relations-Crisis Communications
387	Damage Assessment Services	257	Refrigeration & Freezing-Mobile
274	Data Processing Sites Cleaning Services	370	Restoration Contractors - Full Service
286	Data Storage Recovery Services	257	Restrooms-Mobile
317	Debris Removal Service	391	Salvage & Scrap Buyers/Liquidators
319	Demolition Services	248	Sanitation Supplies
167	Disaster Recovery/Business Continuity Planning & Consulting	258	Security Units-Mobile
209	Disaster-related Legal Services	258	Shelters-Portable
320	Disposal & Recycling Services	259	Showers-Mobile
186	Emergency & Crisis Management Consulting	313	Signs - Warning
326	Environmental Cleaning Services	259	Sinks-Mobile
209	Environmental Legal Services	240	Steam Cleaners & Pressure Washers
229	Equipment Rental	393	Transportation Services
232	Flooring-Access Type & General	393	Tree Removal
246	Food & Water-Emergency	244	Water Chillers, Water Heaters, A/C-Portable
251	Food, Lodging and Sanitary Services-Mobile		
214	Forensic Analysis		
232	Furniture Rental		
365	Furniture Restoration		
233	Generators		
261	Government Services		
311	Guard Services		

Explosion



Explosions may be caused by a range of events, from trapped gases to ignition of flammable materials and/or chemicals to deliberate acts of sabotage or terrorism.

If there is an explosion, you should:

- Get under a sturdy table or desk if things are falling around you. When they stop falling, leave quickly, watching for obviously weakened floors and stairways. As you exit from the building, be especially watchful of falling debris.
- Leave the building as quickly as possible. Do not stop to retrieve personal possessions or make phone calls.
- Do not use elevators.

Once you are out:

- Do not stand in front of windows, glass doors, or other potentially hazardous areas.
- Move away from sidewalks or streets to be used by emergency officials or others still exiting the building.

If you are trapped in debris:

- If possible, use a flashlight to signal your location to rescuers.
- Avoid unnecessary movement so you don't kick up dust.
- Cover your nose and mouth with anything you have on hand. (Dense-weave cotton material can act as a good filter. Try to breathe through the material.)
- Tap on a pipe or wall so rescuers can hear where you are.
- If possible, use a whistle to signal rescuers.
- Shout only as a last resort. Shouting can cause a person to inhale dangerous amounts of dust.

Source: www.fema.gov

Important Explosion Planning and Remediation Categories in the Directory

227	Air Cleaning Equipment	232	Flooring-Access Type & General
315	Air Duct Cleaning Services	214	Forensic Analysis
212	Appraisers	232	Furniture Rental
213	Architectural/Engineering/Construction Consulting	365	Furniture Restoration
385	BoardUp Services & Supplies	233	Generators
315	Carpet Cleaning Services	311	Guard Services
63	Cleaning & Restoration Associations	90	Health & Related Associations
289	Computer Hardware	243	Heating & Cooling Equipment-Portable
250	Computer Rooms & Data Centers - Mobile	252	Homes-Mobile
227	Construction Equipment Rental	252	Hospitals-Mobile
386	Construction Services - Emergency	252	Housing - Temporary & Long Term
177	Crisis Management Consulting	203	Insurance Adjusters-Public
387	Damage Assessment Services	210	Insurance-Related Legal Services
274	Data Processing Sites Cleaning Services	238	Lighting Equipment-Emergency
286	Data Storage Recovery Services	389	Mailing, Printing & Inserting Services
317	Debris Removal Service	255	Offices-Administrative, Mobile
319	Demolition Services	368	Overspray Removal Services
167	Disaster Recovery/Business Continuity Planning & Consulting	217	Public Relations-Crisis Communications
209	Disaster-related Legal Services	370	Restoration Contractors - Full Service
320	Disposal & Recycling Services	257	Restrooms-Mobile
186	Emergency & Crisis Management Consulting	391	Salvage & Scrap Buyers/Liquidators
326	Environmental Cleaning Services	313	Signs - Warning
209	Environmental Legal Services	248	Smoke & Odor Products
229	Equipment Rental	240	Steam Cleaners & Pressure Washers



Chemicals are found everywhere. They purify drinking water, increase crop production, and simplify household chores. But chemicals also can be hazardous to humans or the environment if used or released improperly. Hazards can occur during production, storage, transportation, use, or disposal. You and your community are at risk if a chemical is used unsafely or released in harmful amounts into the environment where you live, work, or play.

Hazardous materials in various forms can cause death, serious injury, long-lasting health effects, and damage to buildings, homes, and other property. Many products containing hazardous chemicals are used and stored in homes routinely. These products are also shipped daily on the nation's highways, railroads, waterways, and pipelines.

Chemical manufacturers are one source of hazardous materials, but there are many others, including service stations, hospitals, and hazardous materials waste sites.

Varying quantities of hazardous materials are manufactured, used, or stored at an estimated 4.5 million facilities in the United States--from major industrial plants to local dry cleaning establishments or gardening supply stores.

Hazardous materials come in the form of explosives, flammable and combustible substances, poisons, and radioactive materials. These substances are most often released as a result of transportation accidents or because of chemical accidents in plants.

Source: www.fema.gov

Important Hazmat Planning and Remediation Categories in the Directory

227	Air Cleaning Equipment	326	Environmental Cleaning Services
315	Air Duct Cleaning Services	209	Environmental Legal Services
212	Appraisers	252	Hospitals-Mobile
315	Carpet Cleaning Services	203	Insurance Adjusters-Public
63	Cleaning & Restoration Associations	210	Insurance-Related Legal Services
387	Damage Assessment Services	389	Mailing, Printing & Inserting Services
301	Decontamination Equipment-Portable	254	Modular Buildings
319	Decontamination Services	217	Public Relations-Crisis Communications
167	Disaster Recovery/Business Continuity Planning & Consulting	370	Restoration Contractors - Full Service
209	Disaster-related Legal Services	258	Shelters-Decontamination-Mobile
320	Disposal & Recycling Services	313	Signs - Warning
186	Emergency & Crisis Management Consulting	240	Steam Cleaners & Pressure Washers

Hurricane



A hurricane is a type of tropical cyclone, the generic term for a low pressure system that generally forms in the tropics. A typical cyclone is accompanied by thunderstorms, and in the Northern Hemisphere, a counterclockwise circulation of winds near the earth's surface.

All Atlantic and Gulf of Mexico coastal areas are subject to hurricanes or tropical storms. Parts of the Southwest United States and the Pacific Coast experience heavy rains and floods each year from hurricanes spawned off Mexico. The Atlantic hurricane season lasts from June to November, with the peak season from mid-August to late October.

Hurricanes can cause catastrophic damage to coastlines and several hundred miles inland. Winds can exceed 155 miles per hour. Hurricanes and tropical storms can also spawn tornadoes and microbursts, create storm surges along the coast, and cause extensive damage from heavy rainfall.

Hurricanes are classified into five categories based on their wind speed, central pressure, and damage potential (see chart). Category Three and higher hurricanes are considered major hurricanes, though Categories One and Two are still extremely dangerous and warrant your full attention.

Source: www.fema.gov

Important Hurricane Planning and Remediation Categories in the Directory

384	Animal & Pet Services	233	Generators
212	Appraisers	261	Government Services
213	Architectural/Engineering/Construction Consulting	311	Guard Services
385	BoardUp Services & Supplies	90	Health & Related Associations
315	Carpet Cleaning Services	243	Heating & Cooling Equipment-Portable
63	Cleaning & Restoration Associations	389	Heating & Cooling Services
250	Computer Rooms & Data Centers - Mobile	252	Homes-Mobile
386	Conservation Services - Art, Library & Museum	252	Housing - Temporary & Long Term
227	Construction Equipment Rental	203	Insurance Adjusters-Public
386	Construction Services - Emergency	210	Insurance-Related Legal Services
244	Containers	254	Kitchens-Mobile
245	Cots, Beds, Blankets, Tents	238	Lighting Equipment-Emergency
311	Couriers/Secured Transportation	389	Mailing, Printing & Inserting Services
177	Crisis Management Consulting	219	Mobile Communications Centers
387	Damage Assessment Services	254	Modular Buildings
274	Data Processing Sites Cleaning Services	366	Moisture Assessment & Infrared Thermography
317	Debris Removal Service	255	Offices-Administrative, Mobile
319	Demolition Services	217	Public Relations-Crisis Communications
167	Disaster Recovery/Business Continuity Planning & Consulting	257	Refrigeration & Freezing-Mobile
209	Disaster-related Legal Services	370	Restoration Contractors - Full Service
320	Disposal & Recycling Services	257	Restrooms-Mobile
321	Dry Cleaning/Laundry-Emergency & Specialty	391	Salvage & Scrap Buyers/Liquidators
322	Drying & Dehumidification Services	247	Sandbags
274	Electronic Equipment/PC Cleaning Service	248	Sanitation Supplies
186	Emergency & Crisis Management Consulting	223	Satellite Communications-Mobile
326	Environmental Cleaning Services	258	Security Units-Mobile
209	Environmental Legal Services	258	Shelters-Portable
229	Equipment Rental	259	Showers-Mobile
330	Fire & Water Damage Restoration	259	Sinks-Mobile
232	Flooring-Access Type & General	240	Steam Cleaners & Pressure Washers
246	Food & Water-Emergency	384	Textile & Garment Restoration Services
251	Food, Lodging and Sanitary Services-Mobile	393	Transportation Services
232	Furniture Rental	393	Tree Removal
365	Furniture Restoration	244	Water Chillers, Water Heaters, A/C-Portable

Pandemic



In the event of pandemic influenza or other outbreak, businesses and other employers will play a key role in protecting employees' health and safety as well as limiting the negative impact to the economy and society. Planning for pandemic response is critical. Companies that provide critical infrastructure services, such as power and telecommunications, also have a special responsibility to plan for continued operation in a crisis and should plan accordingly. As with any catastrophe, having a contingency plan is essential.

Source: www.cdc.gov

Important Pandemic Planning and Remediation Categories in the Directory

227	Air Cleaning Equipment	252	Hospitals-Mobile
384	Animal & Pet Services	252	Housing - Temporary & Long Term
177	Crisis Management Consulting	255	Offices-Administrative, Mobile
319	Decontamination Services	217	Public Relations-Crisis Communications
167	Disaster Recovery/Business Continuity Planning & Consulting	248	Sanitation Supplies
246	Food & Water-Emergency	393	Transportation Services
261	Government Services		

Power Loss



All organizations depend on electrical power to continue normal operations. Without power the organization's computers, lights, telephones and other communication medium will not be operational and the impact on normal business operation can be devastating. Additionally, employee and personnel safety is an issue, as is ensuring the safety of customers, if present.

All organizations should be prepared for a possible electrical power failure as a standalone event, as well as in conjunction with other disasters such as hurricane, tornado, flood, etc. Personal injury is possible; loss of critical business data and infrastructure, and loss of customers all bring significant impacts beyond immediate revenue. Pre-planning is also essential as a regional outage can cause a shortage of backup electrical generators.

Important Power Loss Planning and Remediation Categories in the Directory

212	Appraisers	238	Lighting Equipment-Emergency
387	Damage Assessment Services	389	Mailing, Printing & Inserting Services
320	Disposal & Recycling Services	219	Mobile Communications Centers
233	Generators	217	Public Relations-Crisis Communications
261	Government Services	257	Refrigeration & Freezing-Mobile
311	Guard Services	223	Satellite Communications-Mobile
243	Heating & Cooling Equipment-Portable	244	Water Chillers, Water Heaters, A/C-Portable
389	Heating & Cooling Services		

Poison



Poisons may take the form of any poisonous vapors, aerosols, liquids, and solids that have toxic effects on people, animals, or plants. Proper handling of these products and knowing how to react during an emergency are critical to safety.

If there is a danger of fire or explosion:

- Get out of the building immediately. Do not waste time collecting items or calling the fire department when you are in danger. Call the fire department from outside once you are safely away from danger.
- Stay upwind and away from the building to avoid breathing toxic fumes.

Recognize and respond to symptoms of toxic poisoning:

- Difficulty breathing.
- Irritation of the eyes, skin, throat, or respiratory tract.
- Changes in skin color.
- Headache or blurred vision.
- Dizziness.
- Clumsiness or lack of coordination.
- Cramps or diarrhea.

If someone is experiencing toxic poisoning symptoms or has been exposed to a chemical:

- Find any containers of the substance that are readily available in order to provide requested information. Call the national poison control center at 1 (800) 222-1222.
- Follow the emergency operator or dispatcher's first aid instructions carefully. The first aid advice found on containers may be out of date or inappropriate. Do not give anything by mouth unless advised to do so by a medical professional.

Discard clothing that may have been contaminated. Some chemicals may not wash out completely.

Source: www.fema.gov

Important Poison Planning and Remediation Categories in the Directory

227	Air Cleaning Equipment	251	Food, Lodging and Sanitary Services-Mobile
315	Air Duct Cleaning Services	261	Government Services
186	Emergency & Crisis Management Consulting	266	Government Services - Poison Control
326	Environmental Cleaning Services	217	Public Relations-Crisis Communications

Weather



Weather disasters may be in the form of an obvious and dramatic larger event such as a flood, hurricane or tornado, or they may be “non-disaster” events such as snow and ice, high winds, hail, lightning or other conditions that still present significant consequences. Many weather events have a substantial impact on business operations, whether due to inventory loss, equipment loss and/or damage, structural damages, personnel safety and the ability to maintain continuing operations.

Important Weather Planning and Remediation Categories in the Directory

384	Animal & Pet Services	254	Kitchens-Mobile
212	Appraisers	365	Lightning Damage Repair Services
385	BoardUp Services & Supplies	389	Mailing, Printing & Inserting Services
63	Cleaning & Restoration Associations	219	Mobile Communications Centers
289	Computer Hardware	254	Modular Buildings
386	Conservation Services - Art, Library & Museum	217	Public Relations-Crisis Communications
245	Cots, Beds, Blankets, Tents	257	Refrigeration & Freezing-Mobile
311	Couriers/Secured Transportation	370	Restoration Contractors - Full Service
387	Damage Assessment Services	257	Restrooms-Mobile
209	Disaster-related Legal Services	248	Sanitation Supplies
186	Emergency & Crisis Management Consulting	223	Satellite Communications-Mobile
229	Equipment Rental	258	Shelters-Portable
232	Flooring-Access Type & General	259	Showers-Mobile
246	Food & Water-Emergency	259	Sinks-Mobile
232	Furniture Rental	240	Steam Cleaners & Pressure Washers
233	Generators	393	Transportation Services
261	Government Services	393	Tree Removal
243	Heating & Cooling Equipment-Portable	244	Water Chillers, Water Heaters, A/C-Portable
389	Heating & Cooling Services	384	Animal & Pet Services
252	Homes-Mobile		
252	Housing - Temporary & Long Term		
203	Insurance Adjusters-Public		
210	Insurance-Related Legal Services		