

Disaster Planning and Recovery

A Whole Systems Approach

Protecting and rebuilding lives, livelihoods and the places we call home



30+
years


Disaster recovery experience including a working history with FEMA

3.6+
million

Housing inspections completed for FEMA programs after Katrina

\$600
billion

Client capital programs

A photograph of a city skyline, likely New York City, featuring several prominent skyscrapers. A blue network of lines and circles is overlaid on the sky, suggesting connectivity and infrastructure. The bottom half of the image is a dark teal gradient with white text.

Recovery and planning to protect our communities

Disasters can strike from out of the blue. And when they do, they can damage communities, leaving homes and neighborhoods flooded and in darkness, threatening the safe places we call home.

Recovering from disaster is complex, entwining infrastructure, building engineering, and environmental impacts with your community's urgent need to return to normal as quickly as possible and long range planning to prepare for and mitigate potential future occurrences.

To meet the challenges you need a firm that's experienced in managing all aspects of disaster recovery; one that has tackled recovery and has rebuilt communities impacted by all forms of disaster, from floods, hurricanes and earthquakes to wildfires, explosions and terrorist events. You need a firm like ours.

At AECOM, our comprehensive, integrated and multidisciplinary teams provide a holistic approach to disaster recovery. Our sustainability and resilience planning extends around the globe from housing inspections to cybersecurity and infrastructure protection and repair. We work with you, developing plans that protect and mitigate damage to your critical infrastructure networks, buildings and facilities. Our professionals focus on tailoring recovery to your community, delivering

experience, knowledge and the ability to mobilize quickly helping to minimize damage to critical water, energy and transportation systems and lay the groundwork for a recovery effort that will enable your communities to rebuilt critical networks that are safer stronger and more secure.

We have decades-long experience working for and coordinating with government agencies at the federal, state and local levels. Our work with the Federal Emergency Management agency (FEMA) dates back more than 30 years and we've worked alongside other critical US agencies including the Army Corp of Engineers, the Environmental Protection Agency and the Housing and Urban development department, helping communities like yours get the targeted assistance they need to restore services and mend neighborhoods.

Our 87,000 professionals are based in 140 offices around the world providing global reach and local knowledge that enables us to mobilize quickly when time is of the essence, helping you speed recovery and bring communities back to life.

Because at AECOM, we understand that recovery and preparedness is about more than buildings and infrastructure. It's about neighborhoods. It's about rebuilding lives, homes and the livelihoods that sustain them. It's about protecting, planning and rebuilding, speeding recovery, even when disaster strikes out of the blue.

Disaster planning and recovery: Our holistic approach

Long-term solutions

We are driven to deliver post disaster solutions that improve your community's long-term resilience.

- Mapping and Risk Assessment
- Infrastructure Hardening and Resiliency
- Flood and Storm Surge Mitigation
- Coastal Protection
- Transportation System Protection
- Energy Grid Management
- Climate Change Adaptation

Preparedness

We consider all angles and potential issues, offering services and tools that can help your community plan for disaster scenarios.

- Policy Development
- Climate Change Adaptation
- Community, County & State-Level Mitigation Planning
- Residential and Commercial Mitigation
- Community Flood Control Projects
- Cost/Benefit Analysis

Recovery

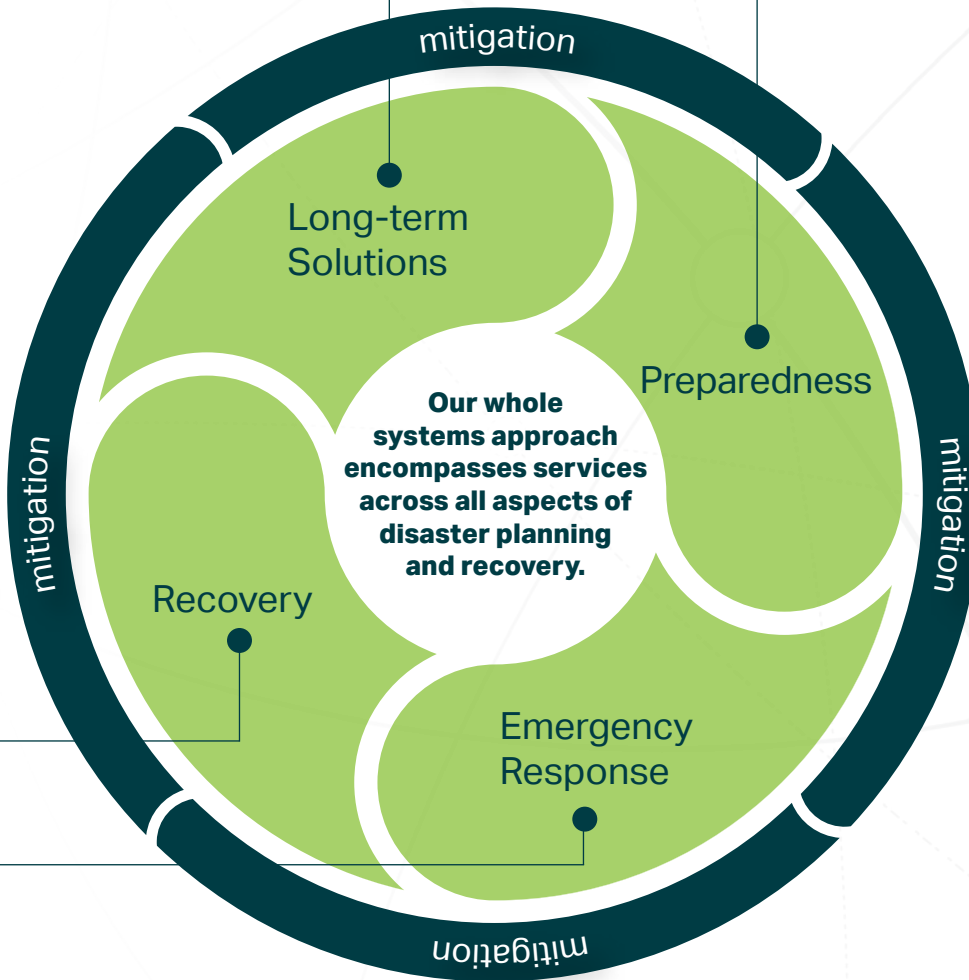
Our teams know the importance of rebuilding stronger and safer after a disaster. Our hazard mitigation program enables you to do just that.

- Cost Estimation
- Damage Assessment
- Insurance Evaluation
- Architecture and Engineering
- Environmental Assets
- Grant Applications, Development and Management
- Procurement Support in the Rebuilding Process
- Sustainable Development

Emergency response

Immediate responses are crucial to minimizing damage, injury and even loss of life. Our professionals are experienced, knowledgeable and flexible.

- Program Management
- Operations Support
- Tunnels and Facilities Dewatering
- Engineering Support Services
- Emergency Planning
- Logistics Support
- Evacuation Support



The Cost of Being Unprepared

Between 1900 and 2014, the United States experienced 38 earthquakes, 166 floods, and 568 storms.

25%

An estimated 25 percent of all businesses affected by a major disaster never reopen.

5billion

In 2014, deadly weather caused more than \$5 billion in property damage.

Failing to prepare for extreme weather events cost the United States \$1.15 trillion in economic losses between 1980 and 2010, and could cost another trillion dollars in coming years. Investments in weather preparation cost local governments significantly less than recovery. Preparedness strategies include flood proofing, flood evacuation plans, elevating buildings, purchasing insurance, improving drainage codes, and floodplain standards.

Source: *The Insurance Information Institute & FEMA*

Planning and recovery that spans the globe



When disaster impacts your community, time is of the essence; recovery becomes an immediate and urgent concern. With more than 87,000 professionals around the world, we have the resources and flexibility to respond quickly to all types and scales of disasters. Our whole system approach to disaster recovery enables our teams to assess damages to homes, neighborhoods and communities and get transportation, water and energy systems up and running as soon as possible so lives can be rebuilt and return to normal as quickly as possible.

Our experienced teams are battle-tested and know how to develop and tailor recovery plans that meet your specific recovery needs. We've managed recovery for such natural disasters as hurricanes, earthquakes and tornadoes, as well as manmade disasters like terrorist attacks and wildfires. Our expertise incorporates communications and security; transportation; power supply and energy; water systems; facilities repair, design and construction; as well as emergency response and support services. Our teams develop, coordinate and implement recovery plans so your communities rebuild stronger, smarter and safer.

1. Nisqually Earthquake

Washington, U.S.

2. Lac-Megantic Rail Disaster

Eastern Townships, Quebec, Canada

3. Earthquake Recovery

Christchurch, New Zealand

4. Colorado Fires

Colorado, U.S.

5. Superstorm Sandy Recovery and Reconstruction

New York, New Jersey and Connecticut, U.S.

6. Hurricane Floyd

East Coast, U.S.

7. World Trade Center Redevelopment

New York, City, U.S.

8. Typhoon Yolanda

Philippines

9. Tornado and Storm Recovery

Joplin, Missouri, U.S.

10. Hurricane Katrina Recovery and Reconstruction

Louisiana, Mississippi and Texas, U.S.

11. Fukushima Recovery Support

Japan

12. Tropical Storm Irene

Orange County, New York, U.S.

13. Flood Relief

Hawaii, U.S.

14. Emergency Flood Recovery

Poland

15. Flood Control and Infrastructure Solutions

Jeddah, Saudi Arabia

16. Gateway and Coastal Protection

Blackpool, UK

17. Northridge Earthquake

Northridge, California, U.S.

18. Post 9-11 Pentagon Repairs

Washington, D.C., U.S.

19. Relief Feasibility Study, National Flood Control

China

20. Earthquake Response

Colombia

21. Earthquake Response

Gujarat, India

22. San Roque Hydroelectric Project

Luzon, Philippines

23. Beach Resilience and Flood Mitigation Program

Miami, U.S.



World Trade Center Redevelopment

New York City, U.S.

Imbued with deep national meaning and packed with subterranean, surface-level and vertical infrastructure, rebuilding and redeveloping this project presented a complex engineering, urban design and construction challenge. The series of projects reshaped Lower Manhattan, transforming a business district into a vibrant neighborhood, re-establishing a community that is stronger than ever.

AECOM Tishman was construction manager for the original World Trade Center and built towers One, Three, Four, and Seven of the new World Trade Center. We also built the Vehicular Security Center and, as part of a joint venture, the Transportation Hub. In 2013, One World Trade Center was designated the tallest building in the Western Hemisphere at 1,776 feet.

About AECOM

AECOM is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical expertise and innovation, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a *Fortune 500* firm and its Professional Services business had revenue of \$13.3 billion in fiscal year 2021. See how we are delivering sustainable legacies for generations to come at [aecom.com](https://www.aecom.com) and [@AECOM](https://twitter.com/AECOM).