



BUILDING RESILIENCE

ASHRAE's Research Helps Buildings Prepare, Perform, & Recover

WHAT IS BUILDING RESILIENCE?

Resilience is a building's ability to anticipate disruptions, keep essential functions, & recover quickly from events such as heat waves, storms, wildfires, power outages, grid failures, or public health emergencies.

Resilient systems protect occupant health, safety, and operational continuity when conditions are most challenging.

- Maintaining safe indoor conditions during outages or extreme weather
- Supporting hospitals, shelters, and critical facilities
- Reducing health risks from heat, smoke, and poor air quality
- Helping communities recover faster after disruptions

ASHRAE'S LEADERSHIP IN RESILIENCE

ASHRAE's resilience-focused research supports:

- **Industry standards and technical guidance** that embed resilience principles directly into building design and operations.
- **Resilience assessment and modeling tools** that help practitioners evaluate risk, enhance system redundancy, and plan for recovery.
- **Professional education and workforce readiness** so industry leaders have the knowledge and skills needed to address emerging resilience challenges.
- **Public policy positions** that advocate for occupant protection, energy, security, and community preparedness.



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Investing in Resilience

HOW DONATIONS DRIVE RESILIENCE

While ASHRAE provides foundational support for research, **philanthropic gifts accelerate and expand what is possible.**

Contributions help transform ideas into practical, globally adopted solutions that make buildings safer and more reliable.

GIFTS TO ASHRAE RESEARCH HELP:

- **Fund peer-reviewed resilience research projects** that advance understanding of how buildings respond to climate stressors and operational disruptions.
- **Accelerate innovation beyond baseline funding**, enabling work that would not otherwise be possible through dues or traditional funding alone.
- **Expand technical guidance used worldwide**, supporting engineers, policymakers, and building professionals who depend on ASHRAE standards.
- **Strengthen communities** by supporting research that enhances building safety, reliability, and recovery capabilities.

STRONGER RESEARCH TODAY LEADS TO STRONGER BUILDINGS TOMORROW

By supporting ASHRAE Research, donors directly contribute to a more resilient built environment, safeguarding occupants, reducing community risk and enhancing the reliability of buildings across the globe.