

DISASTER NEWS YOU CAN USE

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August 2025

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This Month in Disaster History

The 1859 Carrington Event

In an era where the emergency management community is increasingly recognizing new emerging threats and their impacts on our community, one simply needs to look back 166 years to identify a space weather event that could cause catastrophic impacts today.

The 1859 Carrington Event emerged as a pivotal case study highlighting the vulnerabilities of our vital infrastructure and cascading impacts that would occur to our society. This growing awareness stems from recent events like the 2024 solar storms, which prompted agencies such as FEMA and NOAA to integrate space weather into national preparedness strategies, underscoring the need for proactive mitigation against geomagnetic disruptions. Named after British astronomer Richard Carrington who observed it, the event remains the most intense geomagnetic storm in recorded history, occurring on September 1–2, 1859. It was triggered by a massive solar flare—a sudden, intense brightening on the Sun's surface—followed by a coronal mass ejection (CME), or a vast expulsion of plasma and magnetic fields traveling at high speeds toward Earth. The CME, estimated to have reached speeds of about 1,900 km/s, collided with Earth's magnetosphere after just 17.6 hours, compressing it and inducing a severe geomagnetic storm with a disturbance storm time (Dst) index ranging from -800 to -1,750 nT, which measures as an ultimate extreme event on the Dst index.

Continued on Page 3

Build Capacity: Actionable Community Resiliency Surveys

Create Reliable Results with Proven Methods

Community surveys are a vital tool for emergency managers because they provide direct insights into the needs, vulnerabilities, hazard awareness, preparedness levels, and resilience of a community, enabling more effective and tailored disaster response strategies and decision-making. When employed with appropriate methods, these tools can yield reliable results that inform decision-making processes, such as resource allocation during crises or long-term resilience strategies. Key to this reliability is ensuring a representative sample, where the surveyed group mirrors the demographic, geographic, and socioeconomic diversity of the broader community to avoid biases that could...

Continued on Page 3

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Building Community Capacity: Surveys

Continued...

Creating Reliable Community Resiliency Surveys that Drive Action

Continued

skew findings. Furthermore, surveys must prioritize reliability—producing consistent results across repeated administrations—and validity, ensuring that questions accurately measure intended concepts like vulnerability perceptions or evacuation preferences. Accuracy, in turn, depends on minimizing errors through clear question design and robust data analysis, transforming raw community feedback into actionable intelligence that enhances emergency response efficacy.

In practice, achieving these standards involves rigorous social research methodologies. For instance, stratified sampling techniques can help secure a representative sample by dividing the population into subgroups based on factors like age, income, or location, then randomly selecting participants from each. Reliability can be bolstered through pilot testing surveys to refine wording and reduce variability, while validity is upheld by aligning questions with established, evidence-based disaster-sociological and emergency management frameworks. Accuracy is further ensured by employing statistical tools to account for non-response bias or measurement errors, often using confidence intervals to quantify uncertainty. When these elements are integrated, community surveys transcend mere opinion-gathering, providing emergency managers with data that is both trustworthy and applicable, thereby reducing the guesswork in high-stakes scenarios and providing a confidence level that is measurable.

Community surveys also synergize with typical local emergency management engagement processes, such as mitigation planning, to foster comprehensive emergency management. In mitigation planning, surveys can solicit input on perceived hazards, like flooding or wildfires, helping to identify vulnerabilities and prioritize actions in hazard mitigation plans required under frameworks like the Disaster Mitigation Act. This integration promotes stakeholder buy-in, as residents feel involved, enhancing the plan's validity through diverse perspectives, and reaching underserved populations, to ensure a more representative sample of the community. When done correctly, survey instruments can be aligned to established frameworks for comprehensive emergency management, providing valuable information to emergency managers and community leaders to create more holistic strategies that address long-term community resilience.

Beyond mitigation, community surveys play a pivotal role in other phases of comprehensive emergency management, including preparedness and response. For preparedness, surveys can assess household readiness, such as the availability of emergency kits or knowledge of evacuation routes, allowing managers to tailor education campaigns that boost community-wide reliability in self-protection measures. During response phases, real-time surveys—deployed via digital tools—can gather on-the-ground feedback to validate assumptions about affected areas, ensuring accurate deployment of resources like shelters or aid. This dynamic application underscores how surveys, when designed with validity in mind, bridge gaps between official plans and actual community experiences, leading to more effective outcomes.

Continued on Page 5

The Value of Preparedness

Making a Commitment to a Culture of Preparedness



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Disaster History

Continued...

The Carrington Solar Storm

Continued

The Disturbance Storm Time (Dst) index is a key metric used to quantify the intensity of geomagnetic storms by measuring disturbances in Earth's magnetic field, particularly those caused by solar activity like coronal mass ejections (CMEs). The Dst index is expressed in nanoteslas (nT), with negative values indicating stronger disturbances as the magnetic field is weakened. A Dst value of 0 nT represents a quiet geomagnetic state, while increasingly negative values signify more intense

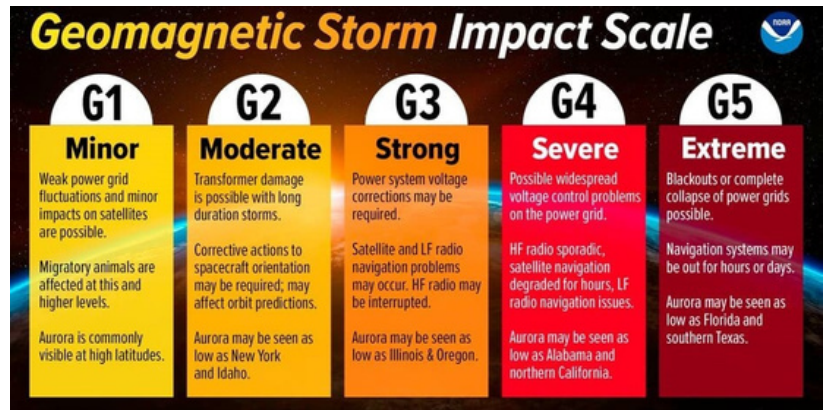
storms. For context, a Dst of -50 nT indicates a minor Geomagnetic Storm (G1), and below -600 nT indicates an extreme Geomagnetic Storm (G5). The Carrington Event is estimated to be 3x the largest G5 event we have experienced in modern times (2003 Halloween Geomagnetic Storm).

The Carrington Event's impacts were profound yet limited by the era's rudimentary technology. Auroras illuminated skies worldwide, visible as far south as Colombia and Hawaii, bright enough for people in the northeastern U.S. to read newspapers at night and for Rocky Mountain miners to mistake them for dawn. Telegraph systems across Europe and North America failed dramatically: operators received electric shocks, pylons sparked and ignited fires, and lines transmitted messages without batteries due to induced currents. While no widespread societal collapse occurred—given the absence of electric grids—the event disrupted global communications, foreshadowing vulnerabilities in interconnected systems.

If a Carrington-level event struck today, the consequences would be catastrophic due to our reliance on electricity and satellites. Power grids could suffer massive blackouts from GICs damaging transformers, with repair times spanning weeks to months and economic losses in the U.S. alone estimated at \$600 billion to \$2.6 trillion—equivalent to 3.6% to 15.5% of annual GDP. Satellites might experience up to 10% outages, with radiation causing anomalies in 59% of missions, as seen in analogs like the 2003 storms. GNSS systems like GPS could fail for days, disrupting aviation, shipping, and financial timing, while HF communications and avionics face heightened risks, potentially increasing radiation exposure for aircrews to 20 mSv per flight.

Contemporary lessons from the Carrington Event stress the interconnectedness of technology and the Sun's influence, revealing that even rare events can cascade into systemic failures. It demonstrated the need for space weather awareness, as initial skepticism about solar-terrestrial links delayed understanding. For the emergency management community, key considerations include classifying superstorms as radiation emergencies, developing contingency plans for grid failures and communication blackouts, and ensuring supply chain resilience for food and water. Probabilistic assessments, like a 12% chance of recurrence in the next decade, urge prioritizing diversified backups and international coordination to avoid misinterpretations, as in the 1967 storm nearly escalating Cold War tensions.

Today, mitigation efforts focus on forecasting, hardening infrastructure, and policy. Agencies like NOAA's Space Weather Prediction Center provide alerts, while satellite data from STEREO and others improve CME modeling. Power grids employ GIC monitoring, spare transformers, and operational protocols like increasing reserves. Satellites incorporate shielding and redundancy, GNSS systems use holdover clocks for up to three days, and aviation explores onboard radiation sensors and flight rerouting. Recommendations include establishing bodies like a UK Space Weather Board for oversight, upgrading HF modems, and investing in research to refine probability models, ensuring societies can withstand such events through proactive engineering and emergency preparedness.



Disaster Resource Center

Free Tool Kits & Resources

Whether you are dealing with a declared disaster or need program guidance, ISC is there to help you.

Hazard-Specific Tool Kits



Disaster Resource Center



Best Practices Library

Industry Best Practices

Don't Let Disaster Strike Twice: Navigating the Complex World of Post-Disaster Funding



In the wake of a disaster, the road to recovery can be long and arduous. Applicants are often left to navigate a complex maze of requirements, deadlines, and paperwork, all while trying to rebuild their lives and communities. The consequences of not following proper protocol can be severe, leading to denied or de-obligated funds, leaving applicants without the resources they need to recover.



Integrated Solutions Consulting Corp. (ISC) understands the

Written by

On-Call Expert Support



Surveys and Disaster Recovery Tips

Continued...

FEMA's Simplified Recovery Procedures:

Taking Advantage of the APP CERT Process

After a disaster strikes and an applicant has requested Public Assistance help from FEMA, the process of submitting all damages along with supporting documentation is often long and arduous. One method to help speed up the obligation of small, completed work projects is by submitting the projects as APP CERT projects. In August 2022, FEMA increased the established threshold for Small Project maximum for the agency's Public Assistance (PA) program to \$1 million. The goal was that the increased threshold would reduce the administrative burden on state, local, tribal, or territorial (SLTT) governments and private non-profit (PNP) organizations receiving FEMA financial grants following a disaster. The PA Simplified Procedures Policy streamlines application procedures for Small Project funding under the PA program, simplifies the implementation of the PA program and supports rapid recovery for applicants. The use of simplified procedures, such as submitting self-certified estimates and summary reports, should allow applicants to receive funding early and promote rapid recovery from the disaster.



Written By: Glen LaFond
Disaster Recovery Program
Manager

[Read the Full
Article Here](#)

Reliable Community Resiliency Surveys

Continued

while community surveys offer substantial benefits, their success hinges on addressing potential challenges to maintain high standards of reliability, validity, and accuracy. Issues like low response rates can undermine a representative sample, but strategies such as incentives or multi-modal distribution (e.g., online, phone, and in-person) can mitigate this. Ethical considerations, including data privacy and inclusivity for vulnerable groups, further enhance trust and the overall quality of results. By continuously refining these tools through post-analysis reviews, emergency managers can integrate surveys seamlessly into comprehensive emergency management cycles, ultimately building safer, more adaptive communities prepared for an uncertain future.

Critical Operation: Detailed Damage Assessments

360 Degree Damage Inventory Windshield Survey

With the introduction of new FEMA program timelines and opportunities, documenting your disaster damages has never been more important. Being able to show your community before and after the devastation is critical in securing vital disaster assistance funding and advocating to FEMA and others well after the disaster has left the mainstream news cycle. With our 360 Degree Damage Windshield Survey, communities can not only conduct detailed street-level damage assessments of their community within hours but also document the before/after the disaster for future reference. This new technology serves as a best practice for securing disaster assistance funding for your community. [Click on the image to see this technology in action.](#)

See the 360 Damage Inventory Windshield Survey in Action



Learn More About Disaster
Recovery Innovations



Industry Innovations



D Y S S E U STM

EM365

672%

INCREASE IN
PROGRAM EFFICIENCY

300^x

STAKEHOLDER
COLLABORATION

99%

REGULATORY &
PROGRAM COMPLIANCE

54^x

RETURN ON
INVESTMENT

97%

PERFORMANCE
RATING

The Industry's First Comprehensive Emergency and Disaster Program Management Software

OdysseusTM offers a suite of tools and systems designed, dedicated to the efficient management of comprehensive disaster and emergency management programs. The union of technological and programmatic features offers organizations an efficient and effective method to systematically design, develop, maintain, and continually improve all elements of a comprehensive emergency management program.



Click Here to
Learn More About Our
Innovative Technology

ODYSSEUS™ IN WORK

Hazard Mitigation Program Management *Elevate Your Community Disaster Resiliency*

Odysseus Features for Hazard Mitigation Program Solutions

Program Management Functionalities

Planning
Training
Exercises
Governance
Scheduling
Budgeting
Committee Management
Stakeholder Coordination
Community Outreach
Program Assessments
Grant Management
Project Administration
Performance Monitoring
Compliance
Tracking & Reporting

Programs

FEMA Hazard Mitigation Grant Program (Section 404 & 406)
HUD Community Development Block Grant for Mitigation (CDBG-MIT)
FEMA Flood Mitigation Assistance
FEMA Building Resilient Infrastructure & Communities
Hazard Mitigation Planning
Hazard Risk Assessments
GIS Hazard / HAZUS Modeling
Community Outreach
Stakeholder Coordination
Mitigation Grant Management
In-Kind Grant Match Tracking
Program Reporting
Mitigation Project Monitoring



Features

- Track Plan Development & Update
- Create Efficiencies with Plan Maintenance
- Track In-Kind Match Effort Contributions
- Mitigation Committee Management Tools
- Assess Hazard Mitigation Opportunities
- Real Time Tracking of Mitigation Grant Funds
- Interactive Mapping & Hazard Modeling
- Streamline Multi-Jurisdictional Planning
- Mitigation Crosswalk Compliance Metrics
- Track Mitigation Plan Participation
- Manage & Track Progress of Community Mitigation Projects
- Train Staff on FEMA Mitigation Requirements and Drive Accountability
- Maximize Federal Funding Possibilities
- Identify Mitigation Funding Gaps
- Adaptable and Customizable to Meet Your Needs
- Increase Hazard Mitigation Program Efficiency

Mitigation Best Practices



Using Ai to Elevate Hazard Mitigation in Communities While Building Efficiencies

Case Studies



Cook County Multi-Jurisdictional Hazard Mitigation Plan

- 136 Participating Jurisdictions
- 230% Increase in HMP Participation
- 2,015 Mitigation Projects Identified
- \$400+ Million in FEMA HMGP Grants
- \$2.8+ Billion in Pre-Disaster Mitigation Actions
- 100% FEMA Compliant
- Completed in Less Than 5 Months

# of Participating Jurisdictions	136
# of Hazard Mitigation Grant Projects Managed by Dysseus (GMT)	2,015
Total FEMA Mitigation Grants	\$416 M
Total Value of Projects	\$2.8 B



Features

Managing multijurisdictional hazard mitigation planning across multiple jurisdictions is no small, especially when each municipality has unique risks, priorities, and resources. County emergency management agencies are expected to facilitate, develop, and maintain for every participating jurisdiction and special district, despite limited budget. The process of updating each municipality's plan required significant time and resources to engage local stakeholders and incorporate their specific needs while also aligning with broader regional goals. Maintaining the plan with annual updates creates yet another challenge

The Solution

Odysseus EM365's AI-powered platform transformed their approach in several key ways:



- **Ai Centralized Data Hub Shares Content Across all Jurisdictions**
- **Ai Facilitated Meetings and Real-time Stakeholder Collaboration**
- **Ai Predictive Risk Analytics & Vulnerability Modeling**
- **Ai Project & Grant Tracking & Compliance**
- **Ai Generated Annual Reports**

[Click Here to Learn More About](#)

Recovery Best Practices



Measure the Betterment, Improvement & Increased Resiliency of the Community

Measuring and communicating the progress of recovery increases public confidence in the recovery process by promoting transparency, accountability and efficiency. It enables local leadership to identify ongoing recovery needs and engages partners in providing assistance and problem resolution. Recovery progress serves as a tracking mechanism for improving and adjusting recovery strategies and activities and ensuring continuing improvement. Communities determine how to qualify and quantify their progress. They measure progress toward recovery holistically, recognizing that recovery outcomes and impacts are measured beyond a single criterion such as dollars spent or assistance delivered on a program-by-program basis.

Read more on the Community Disaster Recovery Success Series.

[Part 1: Establish a Recovery Governance](#)

[Part 2: Create a Recovery Management Strategy](#)

[Part 3: Disaster Recovery Committee Coordination](#)

[Part 4: Thoroughly Assess Impacts & Needs](#)

[Part 5: Importance of Community Outreach](#)

[Part 6: Be Prepared for Disaster Recovery](#)

[Part 7: Take Advantage of Grant Opportunities](#)

[Part 8: Disaster Recovery Funding Strategy](#)

[Part 9: Autonomous & Inclusive Decision-Making](#)

[Part 10: Track and Report Recovery Success](#)

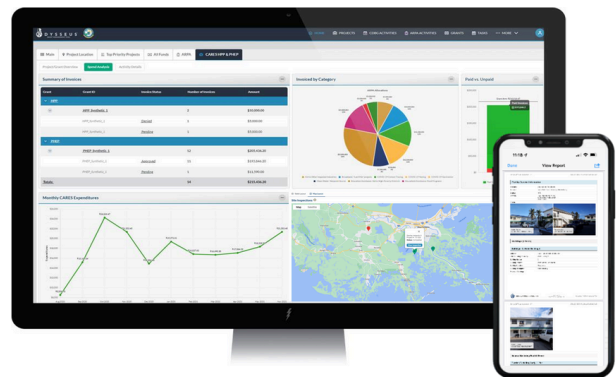
[Part 11: Measure Betterment & Resiliency](#)



DYSSEUS
EM365

[Schedule a Demo](#)

Maximize Vital Disaster Recovery Funds



Manage Disaster Assistance Grants – Cradle to Grave



Disaster Policy & Research

June 2025

News & Policy

- [Trump administration rhetoric on FEMA moves toward reform rather than termination](#)
- [Federal disaster aid is uncertain for states even as Texas floods underscore need](#)
- [Schumer requests probe into impact of staffing cuts on Texas flood response](#)
- [Texas lawmakers failed to pass a bill to improve local disaster warning systems this year](#)
- [FEMA issues updated Preliminary Damage Assessment Guide](#)
- [\\$18M to \\$22M in economic loss predicted from Texas floods](#)
- [Death toll from Texas flood hits triple-digits as tally of missing tops 180](#)
- [California wildfire grows to nearly 80,000 acres, forcing evacuations](#)
- [Three dead after historic flash flooding hits New Mexico town ravaged by wildfires](#)
- [Flood risk is widespread in the U.S. Few people have insurance for it](#)
- [Public comment period now open for EMAP standards](#)
- [Why billions in disaster aid go unspent](#)
- [Heavy rain kills two in New Jersey as subway and roads flooded in New York](#)
- [FEMA uncertainty hangs over hurricane season](#)
- [Kristi Noem says Texas flood response is model for future disasters](#)
- [In the spotlight after floods, Texas lawmakers eye disaster plans amid FEMA uncertainty](#)
- [U.S. faces alarming firefighter shortage during peak wildfire season, data reveals](#)
- [What Trump's budget cuts mean for disaster preparedness](#)
- [What Trump's budget cuts mean for disaster preparedness](#)
- [L.A. County mulls disaster registry for people with disabilities](#)
- [The rise of chief resilience officers in U.S. cities: A necessary evolution for managing the complex urban challenges associated with disasters?](#)
- [Fast, flexible, creative: What emergency managers can learn from entrepreneurs](#)

Research & Innovations

- [Floods are increasingly common. Our water infrastructure is unprepared](#)
- [Disaster planning must start before the event](#)
- [The aftermath of floods, hurricanes and other disasters can be hardest on older rural Americans](#)
- [Integrating research labs into emergency response](#)
- [Lessons learned from the FSU shooting](#)
- [Mitigating emerging and re-emerging public health threats](#)
- [Can AI help create more accurate hurricane forecasts?](#)
- [Why older rural Americans can be hit hardest after floods](#)
- [Can sirens help save lives in the next flood? Yes, but there's more to it.](#)
- ['Disasters are a human choice': Texas counties have little power to stop building in flood-prone areas](#)
- [A seven-phase framework for organizational resilience](#)
- [When disaster strikes, can AI deliver where FEMA doesn't?](#)
- [Study: 43% of N.C. buildings are outside flood zones](#)
- [Wildfires: The growing public health threat](#)

International News

- [Debates on disaster management lacking steam ahead of Upper House vote](#)
- [More than 100 hurt as efforts to contain Marseille wildfire](#)
- [Indonesian volcano spews massive ash cloud](#)
- [Typhoon Danas lashes southern Taiwan](#)
- [Dozens leave Japan islands after nearly 1,600 quakes](#)
- [Monsoon floods sweep away 20 people](#)
- [Canada invests in wildfire innovation and resilience through new centre of excellence](#)



EVIDENCE-BASED
KNOWLEDGE



CONTINUED
INNOVATION



RESULTS DRIVEN



A Recognized Industry Leader in
Generating Evidence-Based
Knowledge to Inspire Innovative
Solutions that Drive Results for
All Phases of Emergency
Management

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Preparedness Best Practice: Community Engagement Strategies



Public participation helps drive decision-making in a community and informs the public, government representatives, and elected officials on important issues. Outreach and education engage the whole community and establish a participation process that is inclusive of all groups and reflect a representative sample of a community. The benefits of effective public outreach and education should not be underestimated.

- Build consensus and support
- Increase awareness & understanding
- Anticipate public concerns & attitudes
- Engage groups that are underrepresented in your community
- Improve the ease of implementation
- Maintain credibility and legitimacy
- Improve quality of decisions
- Minimize cost and delay
- Avoid confrontation

The Importance of Understanding Organizational Networks in a Community

The inclusion of important community organizational networks in preparedness campaigns will result in more informed community stakeholders, increase credibility and legitimacy of the message, and involve critical partners in the decision-making process.

Innovations in Public Engagement

In today's digital age, holding public workshops and meetings is not enough to effectively engage community stakeholders and generate the necessary reach. Accessibility to information has increased the need to ensure information is reliable and accurately reflects the community's unique attributes.

Community Outreach & Engagement

Community Workshops and Fairs
Focus Group Facilitation
Stakeholder Interviews and Data Analysis
Community Preparedness Surveys
Community Preparedness Campaigns
Social Media Campaigns

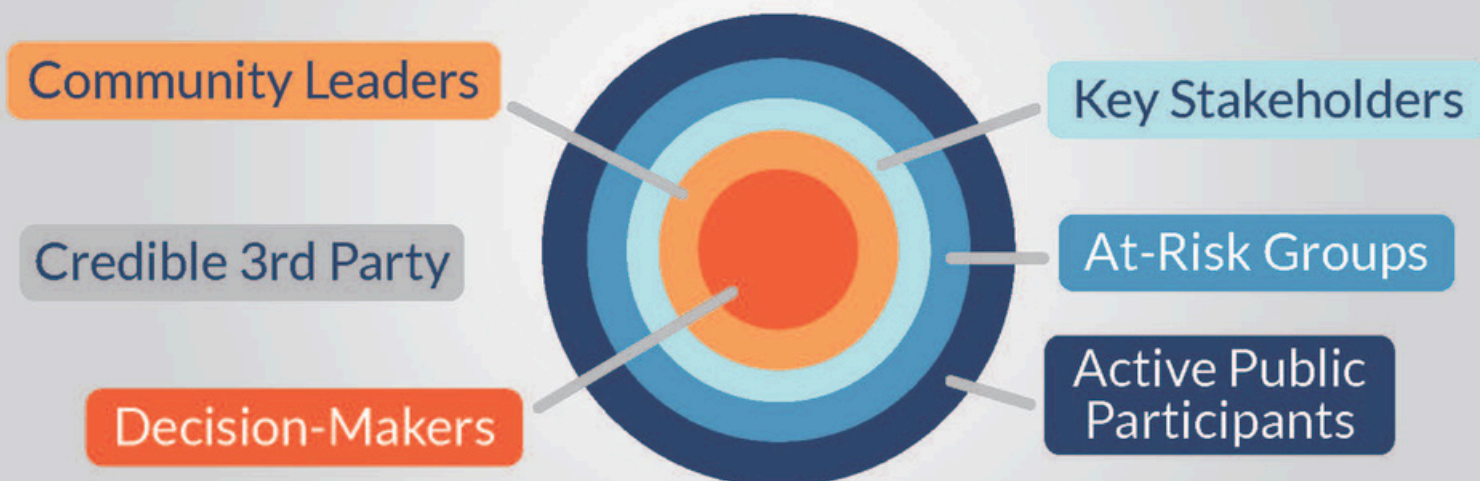
Public Education & Development

Curriculum Development
Course Development
Competency-Based Curriculum Mapping
Public Service Announcements
Traditional Classroom Based Training & Drills
Tabletop, Functional, Full-Scale Exercises

Outreach & Education Technologies

Website Development
Social Media Monitoring
Learning Management Systems
Computer-Based Trainings
Special Effects & Video Production
Virtual Reality Simulations
Interactive Community Displays

Orbits of Organizational Networks for Community Participation



Disaster News

Current FEMA Disaster Declarations: July 2025

As the FEMA advisor council continues the discussion on the future of FEMA, the President has continued to authorize emergency, disaster, and fire management declarations throughout the month of July. During the past month, there were five (5) Fire Management Assistance Declarations and eight (8) disaster declaration. There were one (1) Emergency Declaration. Here is a summary of the declarations last month.



FEMA

The July 4th weekend was a mournful event for our Nation as severe floods in Texas' Hill Country killed 135 people and resulted in catastrophic damages. President Trump provided Texas with a disaster declaration on July 6 Severe Storms, Straight-line Winds, and Flooding (DR-4879) for the incident period of July 2 through 18, 2025. On July 22nd, President Trump was busy penning several other disaster declarations to include:

- Michigan (DR-4880): severe winter storm from March 28 – 30
- Oregon (DR-4881): severe storms, flooding, landslides, and mudslides from March 13 – 20
- Indiana (DR-4882): severe storms, straight-line winds, tornadoes, and flooding (DR-4882) from March 30– April 9
- Kansas (DR-4883): severe storms, straight-line winds, tornadoes, and flooding from May 18 – 19
- West Virginia (DR4884): severe storms, straight-line winds, flooding, landslides, and mudslides from June 14 – 15.
- Missouri (DR-4885) severe storms and flooding from May 23 – 26
- New Mexico (DR-4886): severe storms, flooding, and landslides from June 23 and continuing
- Kansas (DR-4883): severe storms, straight-line winds, tornadoes, and flooding from May 18 – 19

In addition, there were five (5) fire management assistance declarations for two fires in Utah (Deer Creek Fire, FM-5598; and Monroe Canyon Fire, FM-560), one fire in Alaska (Nenana Ridge Fire Complex, FM-5597), one fire in Oregon (Highland Fire, FM-5599), and one fire in Washington (Burdoin Fire, FM-5601).

New Mexico received an emergency declaration for severe storms, flooding, and landslides on July 10th.

**Emergency
Management and
Disaster Recovery:
Building a More
Resilient Future**

[Learn More](#)



Response Best Practices: *Critical Role of Lifelines*

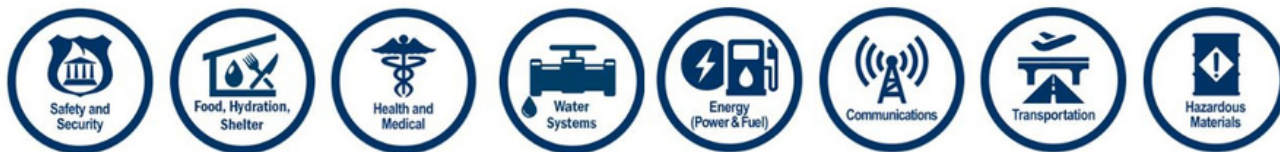


Keeping Communities Running

The Critical Role of Lifelines in Disaster Response

When disasters like hurricanes, earthquakes, or even pandemics strike communities, critical infrastructure fails and services get disrupted. Without electricity, passable roads, healthcare, or running water, communities grind to a halt, with cascading impacts on human health, safety, and economic functions. The immediate priority for response teams must be stabilizing and reconnecting these critical services that communities rely on.

The EM community refers to these essential services as “Community Lifelines” – the infrastructure, assets, capabilities and services that enable all aspects of community functionality. Lifelines are the foundation that supports societies through day-to-day operations and in times of crisis. When disasters sever access to lifelines, decisive and rapid intervention is imperative in order to enable broader community recovery.



The Community Lifelines concept has already been validated during major disaster responses including hurricanes, typhoons, earthquakes, and the COVID pandemic. With each activation, lessons learned further refine the construct to make it an increasingly effective disaster management approach.

In a crisis, the trajectory of the disaster aftermath hangs on the ability to rapidly stabilize and reconnect Community Lifelines. Doing so stems the tide of expanding impacts to human health, public safety, and broader economic functions. By framing disaster management around critical lifelines, assessment and response practices become focused on community priorities, easily understood by all partners and the public. Rapid lifeline stabilization paves the way for accelerated recovery towards full community resilience.

For almost two decades, ISC and our team of experts has championed research and development devoted to understanding the interconnectedness of vital community lifelines, their cascading impacts after a disaster, and developing strategies for building resilient infrastructure and communities. From developing sophisticated methodological tools to evaluating over 4,500 indicators and measurements of community lifeline vulnerabilities to evidence-based methods assessing the interdependencies and cascading impacts of vital community infrastructure assets and key resources, ISC has served as an industry leader in Community Lifelines.

Our team of experts have developed methods that allow our clients to adhere to the programmatic directives provided by FEMA while still delivering community-specific results that thoroughly investigate the vulnerability of a community's vital lifelines, develop meaningful strategies to integrate this into a comprehensive emergency management program, and design a roadmap for building a resilient tomorrow.



Community Lifelines Vulnerability, Risk & Resiliency Model

[Learn More About the Lifelines Community Vulnerability, Risk, and Resiliency \[CVR2\] Model](#)

Building a More Resilient Future



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**Click Below to Learn How We
Build a More Resilient Future**



ABOUT US

Integrated Solutions Consulting is a professional services firm focused on developing and implementing comprehensive crisis and consequence management solutions. We are a team of innovative problem-solvers that combine experience and evidence-based knowledge to deliver practical, best practice results across multiple industries to make communities safer and more resilient

Top Supplier
Performance Rating
dun & bradstreet
97.1%
Successful
Performance

We help our clients by providing comprehensive emergency management consulting services that use data-driven research, sophisticated crisis modeling and seasoned consultants to help our clients manage unexpected emergency and disaster situations.



Expertise: Disaster Recovery



Although disasters are devastating and disruptive, it is important to recognize that every disaster brings about opportunity for communities to improve their conditions and to build a more resilient future. The better communities prepare for disaster, the better they can capitalize on the opportunity to break the disaster cycle.



ISC's Knowledge, Expertise, & Performance

Over the past three decades, ISC has worked with FEMA, state, and municipal clients to mobilize thousands of highly qualified technical staff to the most significant disasters in U.S. history, to EOCs and JFOs across the country. Under our contracts to provide professional technical disaster recovery services and navigating the statutory authorities of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, we have been instrumental in assisting our clients with identifying, administering, and managing tens of billions of dollars in federal disaster assistance funding.

► OUR PROGRAM & KNOWLEDGE CAPABILITIES:

- FEMA Public Assistance Program Management
- FEMA Hazard Mitigation Grant Program
- FEMA Individual Assistance Program Support
- FEMA Fire Management Assistance Grants
- FEMA Community Disaster Loans
- FEMA Section 428 Alternative Public Assistance Program
- HUD Community Development Block Grant Program Management
- Federal Highway Administration Emergency Relief (FHWA)
- National Flood Insurance Program
- State Managed Catastrophic Relief Fund Programs
- US Small Business Administration Disaster Assistance Loan Program
- USDA Farm Service Agency Disaster Assistance Program

ISC offers our clients a unique blend of emergency management professionals with expertise in disaster recovery operations and disaster assistance programs. Our team has supported local governments, states, tribal nations, and non-government organizations on a litany of disaster recovery operations, disaster assistance programs, community disaster recovery planning, and other special disaster recovery projects around the nation.



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Building Resilient Futures for Ports

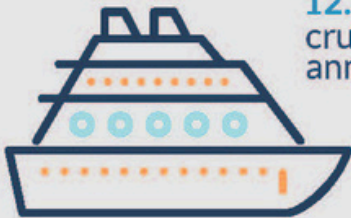
Port Vulnerabilities and Cascading Impacts

Since Sept. 11, 2001, much of the national focus on ports' preparedness has been on preventing potential acts of terror and the multitude of active hurricane seasons. The COVID-19 pandemic renewed focus on how to protect ports from a diversity of threats, including natural disasters and infectious disease outbreaks. Our airport and maritime port infrastructure are an intricate system supported by waterway, road, and rail systems to create a network of inland and coastal ports. Any disruption of this system will have cascading impacts to the local, regional, national, and possibly international economy as well as a multitude of sectors, critical infrastructure, and community lifelines.

Today, U.S. maritime ports & waterways handle more than **2 billion tons** of domestic import/export cargo

&

12.7 million cruise passengers annually.

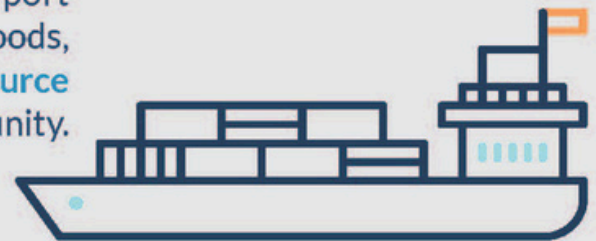


U.S. airports handle more than **1 billion passengers** & **22.5 million tons** of domestic freight annually.



Although the core functionality of a port is to transport passengers and goods, ports also serve as a **primary source** of **revenue and jobs** for a community.

The market economy for airport and maritime ports is expected to exceed **\$110 billion** in the coming decade.



ABOUT US

Integrated Solutions Consulting is a professional services firm focused on developing and implementing comprehensive crisis and consequence management solutions. We are a team of innovative problem-solvers that combine experience and evidence-based knowledge to deliver practical, best practice results across multiple industries to make communities safer and more resilient.



Building Resilient Futures for Ports

Continued...

Ports -A Critical Community Lifeline

Airports and seaports are gateways to commercial travel as well as domestic and international trade, connecting the United States to the world.

ISC Responds to Maritime Ports After Disaster



After Hurricane Laura, ISC conducted damage assessments and assisted port clients through the FEMA disaster assistance process to recover hundreds of millions in damages.

ISC Conducts Assessments to Develop Plans

ISC conducted vulnerability and risk assessments with Miami International Airport and Port Miami. These assessments were integrated into comprehensive emergency response plans.



Our Approach to Comprehensive Emergency Management Programs for Ports

For even the most resilient ports, the possibility of an incident occurring that impacts vital business operations is a real and constant threat. Emergency management programs for ports is more than being able to rapidly respond to an incident. It is an ongoing process of protection/prevention, preparedness, response, recovery, and mitigation that adheres to regulatory requirements and begins well before a crisis or disaster hits.

Our approach to Port emergency management is comprehensive, coordinated, and integrated, and supported by a team of port engineers and emergency management specialists that deliver decades of experience. Our expertise is unmatched.

