

Regional Critical Infrastructure Security and Resilience Toolbox

November 2016

CHALLENGE: Determining All-Hazards Regional Critical Infrastructure Risk and Resilience

Local leaders and critical infrastructure owners and operators need strong risk analysis and supporting information to make informed decisions on enhancing resilience of interdependent lifelines and other critical infrastructure from catastrophic events. Such capabilities are essential to identify and justify disaster mitigation needs, actions, and investments.

APPROACH: Develop a Toolbox to Assess Regional All-Hazards Risks and Prioritize/Allocate Mitigation Resources

The Regional Critical Infrastructure Security and Resilience Toolbox will include:

- *A Regional Risk Management Process* that can be incorporated into existing organizational risk assessment capabilities.
- *A Cross-Sector Information-Sharing System* with procedures, including security safeguards, to share, analyze, and distribute data.
- A model approach for *tools that assess interdependencies and analyze impacts* at the regional and local level.

A multidisciplinary core team of practitioners and experts from 15 organizations (including State and local governments, utilities, and academic and research institutions) will develop the Toolbox products with a cross-sector Stakeholder Work Group providing input and guidance. A Stakeholder Kick-Off Meeting was held on October 14, 2016, to discuss requirements and current capabilities that can be leveraged. The project is being facilitated by the Bay Area Center for Regional Disaster Resilience (BACRDR), a 501(c)(3) non-profit dedicated to cross-sector resilience partnership building, training, and education. The initial project scope is the San Francisco Bay Area and interested critical infrastructure owners and operators throughout California. When completed, the Toolbox will be provided to other regions throughout the country for customization by their stakeholders.

NEXT STEPS: Development of Toolbox products

Workshops and exercises will be used to evaluate progress made and test the final products with a final stakeholder validation meeting planned for March 2018. Success will be measured by how many critical infrastructure owners and operators and other organizations incorporate the Toolbox products into critical infrastructure security and resilience activities.



Damage to Interstate 880 in Loma Prieta earthquake, Oct. 1989 (Creative Commons/Joe Lewis)

The National Infrastructure Protection Plan (NIPP) Security and Resilience Challenge is managed by the Office of Infrastructure Protection, within the National Protection and Programs Directorate of the Department of Homeland Security (DHS), in partnership with the National Institute for Hometown Security (NIHS). To learn more about this project, contact Jay Robinson, Program Manager, DHS, at Jay.Robinson@hq.dhs.gov or Ewell Balltrip, CEO, NIHS, at eballtrip@thenihs.org.



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