

Disaster Resilience Scorecard: A Tool to Support Community Preparedness and Resiliency

Hartung, Kerri and Jon Phillipsborn
AECOM

Over the last 20 years the capital losses resulting from natural disasters has continued to increase. The seriousness of this trend is further underscored by population migration to major metropolitan cities: over 50% of the worlds' population now resides in urban areas and is projected to increase to nearly 70% by 2050. As only one example, the 2015 floods in South Carolina are projected to cost up to \$12 Billion, with major damage sustained by metro areas. As population density increases in our major metropolitan areas, the need to make cities more resilient is accelerating.

To help communities understand, communicate, and implement disaster risk reduction AECOM developed the Disaster Resilience Scorecard (Scorecard) with IBM in support of the United Nation's Making Cities Resilient Campaign. The Scorecard is designed to support cities measure their disaster preparedness and resilience to natural disasters. It is based on the United Nation's Ten Essentials for Disaster Risk Reduction, which includes reviewing policy and planning; engineering, informational, organizational, financial, social and environmental aspects of disaster resilience. The Scorecard offers a holistic approach to help identify strengths and weaknesses across city systems and identify pathways to increase preparedness and resilience.

Participants will develop an understanding of the value of the Scorecard as a tool to effectively assess a city's disaster preparedness considering planning, response and recovery. Discussion will include effective methods to engage with the many key stakeholders in both public and private sectors to efficiently apply the Scorecard. Examples of how the Scorecard has been applied in cities around the world will also be shared.