

CEI NEWS

Flood Management



National Severe Weather Preparedness Week

This week is National Severe Weather Preparedness Week. According to NOAA, in 2013 there were seven weather and climate disaster events with losses exceeding \$1 billion each across the United States. This staggering number does not include the significant economic effects on the areas impacted. This week reminds us of the importance of being prepared for severe weather events at home and in our workplace before events take place.



It's also a time for municipal departments to review their emergency procedures and infrastructure needs to maintain the services needed by their residents during these events. Infrastructure resiliency is essential during emergencies and is determined by the ability to prepare for, maintain function, respond and recover from any kind of disruptive event. For example, infrastructure must be capable of handling stronger winds, higher rainfall amounts and more frequent flooding. Infrastructure planners must consider redundancy, reinforcement and readiness.

CEI is often called upon to address a number of these issues and provide proactive engineering solutions. We expect this trend to grow as severe weather becomes commonplace. By identifying and upgrading/replacing aging and undersized culverts and drainageways, our Certified Floodplain Managers and stormwater specialists are able to use extreme precipitation data and curves in performing runoff calculations to improve resiliency and reduce severe weather impacts.

If you're interested in learning more about culvert replacement, flood management and resilient infrastructure assessment, please contact Matthew Lundsted, P.E., CFM at 800.725.2550 or mlundsted@ceiengineers.com.

www.ceiengineers.com