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Title: Evaluating Resilience In The Water Sector: Application Of The Utility Resilience Index (URI)

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ABSTRACT

This research seeks to develop an all-hazards resiliency index to evaluate the level of preparedness within the water sector utilities. This system level assessment will be developed to support the prioritization and distribution of limited resources. The index is dependent on individual utility data to establish the baseline, and the indicators used are derived from data that is regularly available to a utility manager. When the indicator data is aggregated and normalized, the index provides a functional representation of a utility's current state of resilience. The all-hazards utility resilience index is critical for facilitating a rapid assessment of potential gaps in a utility's capacity to respond and recovery quickly from an incident. The Utility Resiliency Index (URI) supports decision management for resource allocation to mitigate and/or enhance observed deficiencies.