

## **EMPOWER RESILIENCE FOR HARRIS COUNTY WHILE IMPLEMENTING NOAA ATLAS 14 PRECIPITATION.**

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### **Abstract**

The release of Atlas 14 provides updated precipitation depths in Texas for the average recurrence intervals of 1-year through 1000-year, and from durations from 5-minutes to 60 days. The updated information will replace the current precipitation depth and frequency information that is used for a variety of engineering analyses and designs including design of drainage facilities and floodplain modeling and mapping.

The District is currently conducting updated floodplain modeling and mapping studies that include Atlas 14 information as well as significant technological advances. As this Modeling Assessment and Awareness Project (MAAPnext) progresses, new methods of hydrologic and hydraulic analysis are being developed that may affect current district criteria. This presentation will focus on the interim guidelines and criteria for Atlas 14 implementation to empower smart future projects, new developments, and their associated mitigation strategies. These interim guidelines and criteria are subject to change as additional information is obtained and further analysis developed.