

AGENDA ITEM MEMO

BOARD MEETING DATE: April 6, 2023

TO: Board Members

THROUGH: Jeff Walker, Executive Administrator
Ashley Harden, General Council
Richard Wade, Deputy Executive Administrator, Texas Natural Resources Information System
Darrell Thompkins, Director & CIO, Information Technology
Rebecca Trevino, Chief Financial Officer
Matt Nelson, Deputy Executive Administrator, Planning

FROM: Reem Zoun, Director, Flood Planning

SUBJECT: Interactive State Flood Plan Viewer

ACTION REQUESTED

Consider authorizing the Executive Administrator to negotiate and execute a contract in a total amount not to exceed \$1,500,000 to build, deploy, and maintain the interactive flood planning data viewer and provide engineering services, to support state flood planning.

BACKGROUND

In 2019, the Texas Legislature and Governor Abbott greatly expanded the role of the Texas Water Development Board (TWDB) in flood planning. TWDB now administers a state and regional flood planning process with 15 flood planning regions based on river basins. The initial regional flood planning groups were formed October 1, 2020. The first regional flood plans were delivered in January 2023, and the first state flood plan will be delivered to state leadership by September 1, 2024.

The 15 flood planning regions are providing their regional flood plan data in geodatabases formatted according to TWDB developed specifications under the regional flood planning grant contracts. TWDB will generate a single state flood plan incorporating the 15 regional flood plans, largely driven by the 15 regional datasets. The new interactive State Flood Plan Viewer (Viewer) will be a web-based visual platform to present the large amount of flood plan information and will serve as a user-friendly interface for members of the public, legislators, and other state agencies.

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Brooke T. Paup, Chairwoman | George B. Peyton V, Board Member | L'Oreal Stepney, P.E., Board Member
Jeff Walker, Executive Administrator

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The contract statement of work includes engineering and related professional services required to support developing the Viewer and the state flood planning effort.

KEY ISSUES

To meet the legislative deadline of September 1, 2024, the TWDB intends to work with the selected Texas Department of Information Resources contractor to build, deploy, and maintain the Viewer and utilize contractor engineering services to support the state flood planning effort. The contractor is being procured from a list of qualified Texas Department of Information Resources vendors under TWDB solicitation #580-23-SOW-0034.

The Viewer will be made available to the public simultaneously with, and will be an integral part of, the release of Texas's first state flood plan.

RECOMMENDATION

The Executive Administrator requests approval to negotiate and execute a contract not to exceed \$1,500,000 to build, deploy, and maintain the Interactive State Flood Plan Viewer and provide engineering services to support state flood planning.