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AGENDA ITEM MEMO

BOARD MEETING DATE: May 11, 2026

TO: Board Members

THROUGH: Bryan McMath, Executive Administrator
Ashley Harden, General Counsel
Georgia Sanchez, Chief Financial Officer
Edna Jackson, Deputy Executive Administrator, Operations & Administration

FROM: Patricia Avitia, Chief Information Officer

SUBJECT: Information Technology Modernization Assessment

ACTION REQUESTED

Consider authorizing the Executive Administrator to negotiate a contract for an Enterprise Information Technology Modernization Assessment not to exceed \$1,727,000.

BACKGROUND

The Texas Water Development Board (TWDB) relies on a range of information technology systems to support its core business functions, including statewide water data collection, reporting, and program administration. Many of these systems were developed over time using legacy technologies that are increasingly constrained by outdated architecture, limited scalability, and growing maintenance demands.

Among these systems, the Water Loss Audit, Water Use Survey, and Water Conservation and Annual Reporting applications were originally developed as separate systems to support statutory reporting requirements of the TWDB. In response to the requirements of Senate Bill 181 from the 82nd Texas Legislature, these systems were consolidated into a single integrated platform collectively known as the Water Loss, Use, and Conservation (LUC) system.

KEY ISSUES

While the LUC system remains operationally essential, it is built on legacy technology and is limited by outdated database structures, rigid process rules, and minimal extensibility. These constraints reduce operational efficiency and limit the agency's ability to adapt to evolving legislative mandates, as well as increasing complexity in statewide water reporting requirements.

Our Mission

Leading the state's efforts
in ensuring a secure
water future for Texas

Board Members

L'Oreal Stepney, P.E., Chairwoman | W. Brady Franks, Board Member | Ashley Morgan, Board Member
Bryan McMath, Executive Administrator

To address these challenges more broadly, TWDB's Information Technology division is initiating an Enterprise IT Modernization Assessment. This assessment will evaluate the agency's overall IT environment, including systems, infrastructure, data, and business processes, to identify opportunities for modernization, improved integration, and enhanced service delivery. As part of this effort, the LUC system will serve as a priority focus area and initial candidate for modernization.

Conducting both the enterprise assessment and the LUC-specific assessment concurrently will ensure that future investments are aligned with a cohesive enterprise architecture and long-term modernization strategy. This approach will position TWDB to implement scalable, flexible, and sustainable technology solutions that support evolving program needs, improve operational efficiency, and reduce long-term maintenance risks.

The awarded vendor will be selected from a pre-approved list through the Department of Information Resources (DIR) cooperative contracts program. Based on the estimated contract value, the project team will solicit and evaluate a minimum of six vendor responses. Proposals will be reviewed against established evaluation criteria, consistent with the DIR approved Statement of Work.

RECOMMENDATION

The Executive Administrator recommends authorizing the Executive Administrator to negotiate a contract, not to exceed \$1,727,000, to conduct the Enterprise Information Technology Modernization Assessment.