



CITY OF  
**CORPUS CHRISTI**

**AGENDA MEMORANDUM**

Action Item for the City Council Meeting May 12, 2026

**DATE:** May 12, 2026

**TO:** Peter Zaroni, City Manager

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Service Agreement for In-Service Treated Water Leak Detection & Mapping of Laguna Madre Crossing and Port Aransas Pipelines

**CAPTION:**

Resolution authorizing execution of a one-year service agreement with Pure Technologies, of Linthicum Heights, Maryland, for an amount of \$340,549.50, for in-service treated water leak detection and mapping of Laguna Madre Crossing and Port Aransas Pipelines, with FY 2026 funding from the Water Fund.

**SUMMARY:**

Authorize an in-service condition assessment of the Laguna Madre Crossing and Port Aransas transmission pipelines using the SmartBall inspection platform, including leak and air pocket detection, transient pressure monitoring, and installation of access taps to support long-term asset management.

**BACKGROUND AND FINDINGS:**

Corpus Christi Water (CCW) operates two major treated-water transmission pipelines serving South Padre Island and Mustang Island: the Laguna Madre Crossing (approximately 4.15 miles of 24-inch ACP) and the Port Aransas Pipeline (approximately 7 miles of 20-inch and 16-inch ACP/FPVC). Together, these assets total roughly 11.2 miles of critical infrastructure in continuous service.

To proactively manage these pipelines and reduce the risk of undetected leaks or operational failures, CCW proposes to conduct an in-service leak detection, air pocket detection, and mapping assessment using Pure Technologies' SmartBall inspection platform. The SmartBall tool can be

deployed while pipelines remain active, identifies leaks and air pockets within 6-foot accuracy, and collects motion data used to produce an updated true X-Y alignment of each pipeline.

The scope also includes 30-day transient pressure monitoring to evaluate surge pressures that can contribute to pipe wall stress and failure.

To complete the inspection, new 6-inch access taps are required on both pipelines for insertion and extraction of the inspection tool, along with limited potholing along the Port Aransas alignment for tracking accuracy.

The results will provide CCW with verified leak locations, identification of trapped air pockets, updated GIS pipeline alignment, and surge pressure data, enhancing operational reliability and supporting long-term asset management.

**PROCUREMENT DETAIL:**

This procurement falls under Section 252.022(a)(2) of the Texas Local Government Code; a procurement necessary to preserve or protect the public health or safety of the municipality's residents.

**ALTERNATIVES:**

An alternative would be to not enter into an agreement and perform any leak repairs or breaks, reactively.

**FISCAL IMPACT:**

The fiscal impact for Corpus Christi Water for FY 2026 is \$340,549.50 from the 4010 Water Fund.

**Funding Detail:**

Fund:	4010 Water
Organization/Activity:	31520 Treated Water Delivery System
Department:	45 Water
Project # (CIP Only):	N/A
Account:	520130 Maint & Repairs
Amount:	\$340,549.50

**RECOMMENDATION:**

**LIST OF SUPPORTING DOCUMENTS:**

Service Agreement  
Resolution