

**BOARD OF UTILITIES COMMISSIONERS**

1800 E. Wardlow Road, Long Beach, CA 90807
562.570.2300 | LBUtilities.org

January 9, 2025

Recommendation

Adopt Resolution UT-1528 authorizing the General Manager to execute an agreement and any amendments with InPipe Energy Inc., to provide predevelopment services for an energy recovery project, in an amount not to exceed \$110,500.

Executive Summary

The Long Beach City Charter permits alternative procurement methods, including sole-source contracting, when authorized by a Board Resolution. The Long Beach Public Utilities Department (LBPUD) proposes awarding a sole-source contract to InPipe Energy Inc. to investigate the feasibility of energy recovery systems at two of our Metropolitan Water District (MWD) connections, LB-4 and LB-8.

Currently, water pressures at LB-4 and LB-8 exceed operational needs by 60 and 130 psi, respectively, with the excess pressure dissipated through pressure-reducing valves (PRVs). This wasted energy presents an opportunity for recovery using innovative technology. InPipe Energy's proprietary HydroXS system, a patented solution for energy recovery and pressure management, is uniquely suited to address this challenge.

The proposed project is divided into two phases: Phase 1: Predevelopment activities, including interconnection design, funding applications, regulatory compliance, and feasibility analysis to confirm project payback and scope. Phase 2: Equipment manufacturing, installation, and commissioning, contingent upon Phase 1 results and future Board approval.

Staff recommends approving a sole-source contract with InPipe Energy Inc. for Phase 1, with a not-to-exceed amount of \$110,500. Phase 1 will enable LBPUD to confirm the project's payback and scope, providing the basis for staff to make a recommendation to the Board regarding Phase 2 feasibility.

Fiscal Impact

The total cost of \$110,500 for this project has not been budgeted in the Fiscal Year 2025 Budget; however, it is expected that these costs can be absorbed within the Water Funds using projected savings within the Funds.

Tai Tseng
Assistant General Manager

B. Anatole Falagán
General Manager

Attachment



To Whom It May Concern,

Please be advised that InPipe Energy is the sole provider of the HydroXS Energy Recovery System, the only solution of its kind in the market. The HydroXS incorporates U.S. Patent No. 11946604, and its innovative technology, including proprietary software and patent-pending variable speed capabilities. InPipe Energy's HydroXS is the sole system that optimizes energy recovery from pipeline flow and delivers precise, customizable pressure control.

No other company or product offers the same combination of energy recovery and pressure management technology. The HydroXS design is modular and customizable, allowing it to meet specific project requirements while integrating mechanical, electrical, structural, and communication components into a cohesive, space-efficient system. Its unique technical componentry and field-tested performance enables InPipe Energy to meet and exceed the performance standards required by water utilities.

Given these unique capabilities, InPipe Energy has a proven track record as the sole-source provider of the HydroXS system across multiple states and utilities. The HydroXS has been successfully sole-sourced and procured by prominent water utilities including: the City of Hillsboro Utilities Commission, the City of Tualatin, the City of Seattle, and Moulton Niguel Water District.

We are not aware of other product lines available for purchase like the HydroXS from InPipe Energy. InPipe Energy is the organization with the unique technical expertise and proprietary technology to manufacture and deliver the HydroXS Energy Recovery System. Beyond the technology, InPipe Energy also offers turnkey services including securing grant and incentive funding, design, installation, commissioning, and live data monitoring. No other company offers a solution that combines advanced energy recovery, pressure management, and modular design with the same level of efficiency and adaptability.

For further details, please feel free to contact me directly or visit inpipeenergy.com.

Sincerely,
Daniel Reiff

InPipe Energy, Inc.
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720-226-1776

RESOLUTION NO. UT-1528

A RESOLUTION OF THE BOARD OF PUBLIC UTILITIES COMMISSIONERS OF THE CITY OF LONG BEACH AUTHORIZING THE GENERAL MANAGER TO EXECUTE A CONTRACT WITH INPIPE ENERGY, INC. WITHOUT ADVERTISING FOR BIDS TO PROVIDE PREDEVELOPMENT SERVICES FOR AN ENERGY RECOVERY PROJECT IN AN AMOUNT NOT TO EXCEED \$110,500.

WHEREAS, the Board of Public Utilities Commissioners ("Board") desires to investigate the feasibility of energy recovery systems at two of the Long Beach Public Utilities Department's Metropolitan Water District connections; and

WHEREAS, InPipe Energy, Inc. is the sole provider of the HydroXS Energy Recovery System, which is the sole system that optimizes energy recovery from pipeline flow and delivers precise, customizable pressure control; and

WHEREAS, no useful purpose would be served by advertising for bids and to do so would constitute an idle and useless act and unnecessary expenditure of public funds because InPipe Energy, Inc. is the only corporation, firm or individual that could or would bid to provide the same combination of energy recovery and pressure management technology;

NOW, THEREFORE, the Board of Public Utilities Commissioners of the City of Long Beach resolves as follows:

Section 1. That the above recitals are true and correct and are incorporated herein.

Section 2. The General Manager of the Long Beach Public Utilities Department is hereby authorized to enter a contract with InPipe Energy, Inc. without

I hereby certify that this Resolution was adopted by the Board of Public Utilities Commissioners of the City of Long Beach at its meeting on January 9, 2025, by the following vote:

Secretary
Board of Public Utilities Commissioners