

RESOLUTION NO. R-2026-22

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BASTROP, TEXAS, AUTHORIZING STAFF TO ENTER INTO NEGOTIATIONS WITH VVATER REGARDING DIRECT POTABLE REUSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Wastewater Treatment Plant No. 3, the City's newest wastewater treatment facility, will soon require upgrades to meet updated regulatory requirements, including stricter phosphate and discharge limits; and

WHEREAS, the City must take action to remain in compliance with applicable environmental standards; and

WHEREAS, one option available to the City is to relocate the outfall to allow greater upstream treatment at an estimated cost of approximately \$1,000,000; and

WHEREAS, an alternative option includes the installation of a Faraday Reactor system, which utilizes electrical processes to treat wastewater effluent and produce direct potable reuse water suitable for industrial use, resale, or emergency potable supply; and

WHEREAS, VWater has developed this technology and has received multiple national and international innovation awards for its approach to water treatment; and

WHEREAS, the estimated cost of the Faraday Reactor system is approximately \$5,000,000, and VWater has indicated a willingness to fund the project, subject to repayment terms that require further evaluation; and

WHEREAS, the City currently relies on the Simsboro Well Field for water supply, which may be subject to future constraints due to drought conditions or regional groundwater demands; and

WHEREAS, the City Council desires to evaluate alternative water supply strategies, including reclaimed water for industrial, commercial, and irrigation purposes; and

WHEREAS, the City Council finds that it is in the best interest of the public health, safety, and welfare of the citizens of Bastrop to explore innovative and sustainable water treatment solutions;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BASTROP, TEXAS:

SECTION 1. AUTHORIZATION

The City Council hereby authorizes and directs staff to enter into negotiations with VWater regarding the potential implementation of direct potable reuse technology.

SECTION 2. EVALUATION AND ANALYSIS

Staff is directed to evaluate all aspects of the proposed project, including costs, financing options, bond issuance considerations, operational impacts, regulatory compliance, and potential revenue opportunities.

SECTION 3. NO OBLIGATION

This Resolution does not authorize the purchase, financing, or installation of any system but is intended solely to allow staff to conduct due diligence and develop recommendations.

SECTION 4. REPORT BACK

Staff is directed to return to the City Council with detailed cost analysis, bond financing options, and any proposed agreements for possible action at a future meeting.

SECTION 5. EFFECTIVE DATE

This Resolution shall take effect immediately upon its adoption.

PASSED & APPROVED on First Reading by the City Council of the City of Bastrop, on this, the 24th day of March 2026.

APPROVED:

by: 

Ishmael Harris, Mayor

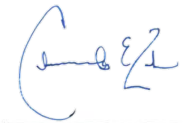
ATTEST:



Michael Muscarello, TRMC, CMC, CPM
City Secretary



APPROVED AS TO FORM:



City Attorney
Denton Navarro Rocha Bernal & Zech, P.C.