

**Date:** October 9, 2025

**To:** Honorable Chairman Anthony Rodriguez  
and Members, Board of County Commissioners

**From:** Daniella Levine Cava  
Mayor

Agenda Item No. 8(P)(2)

**Subject:** Request for Additional Expenditure Authority to Contract for 50 Percent Liquid  
Hydrogen Peroxide Solution

Resolution No. R-960-25

**Summary**

This item is for additional expenditure authority to allow the Water and Sewer Department (WASD) to continue purchasing 50 percent liquid hydrogen peroxide ( $H_2O_2$ ) solution, along with associated feed systems, equipment, and services. The  $H_2O_2$  solution is delivered in tanker truck loads and plays a vital role in the wastewater treatment process. The feed systems provide essential data that help determine the appropriate chemical dosage at three County wastewater treatment plants. The  $H_2O_2$  solution is crucial for disinfection, odor control, and corrosion reduction within the wastewater treatment process.

WASD's current contract allocation has been exhausted earlier than expected due to rising market costs and increased operational demands. Since the contract's inception, the unit price for hydrogen peroxide has increased by nearly 23 percent, driven by adjustments based on the Consumer Price Index (CPI), as permitted under the contract. Furthermore, population growth and increased maintenance activities at the County's three wastewater treatment plants have led to higher consumption of wastewater treatment chemicals, including hydrogen peroxide. Without additional expenditure authority, WASD will be unable to procure the necessary amount of hydrogen peroxide, potentially jeopardizing its ability to meet regulatory requirements and protect public health. This could result in degraded wastewater treatment operations, increased odors, and accelerated corrosion of the wastewater treatment infrastructure.

**Recommendation**

It is recommended that the Board of County Commissioners (Board) authorize additional expenditure authority to *Contract No. FB-01523, 50% Liquid Hydrogen Peroxide Solution*, in the amount of \$2,608,778 for WASD.

**Background**

This competitively established contract was approved by the Board on March 2, 2021, via Resolution No. R-151-21 in the amount of \$7,992,000 for a five-year term. WASD uses this contract to purchase 50 percent liquid hydrogen peroxide ( $H_2O_2$ ) solution, along with associated feed systems, equipment, and services. The  $H_2O_2$  solution is crucial for disinfection, odor control, and corrosion reduction in the wastewater treatment process. It effectively oxidizes hydrogen sulfide ( $H_2S$ ), a major cause of foul odors and infrastructure damage, thereby improving air quality and preventing corrosion in sewer systems and treatment plants.

Since the contract's inception, the unit price of hydrogen peroxide has increased from \$0.19980 per pound to \$0.24553 per pound, a nearly 23 percent increase, primarily due to adjustments based on the CPI and market conditions. Additionally, operational demands have risen, leading to an increased need for hydrogen peroxide across the wastewater treatment plants.

The additional expenditure authority is necessary to support continued operations and to accommodate new requirements, including adding hydrogen peroxide feed systems to Pump Stations Nos. 1 and 2 at

the Central District Wastewater Treatment Plant (CDWWTP) for hydrogen sulfide removal and dissolved oxygen addition. The estimated amount for the extra feed is expected to be equivalent to the current usage at the North District Wastewater Treatment Plant. At the South Dade Wastewater Treatment Plant, odor control at the headworks is managed through air scrubbers that use sodium hypochlorite and caustic soda, so there is no anticipated need for hydrogen peroxide. However, if necessary, hydrogen peroxide can be allocated from the contract's contingency.

Without additional expenditure authority, WASD will be unable to procure the required amount of hydrogen peroxide, potentially compromising the department's ability to meet regulatory requirements and maintain safe and effective wastewater treatment operations. This could lead to increased odors, corrosion, and violations of regulatory standards, posing a risk to public health.

### **Scope**

The impact of this item is countywide in nature.

### **Delegated Authority**

The County Mayor or the County Mayor's designee will have the authority to exercise all provisions of the contract, including any cancellation or extensions, pursuant to Section 2-8.1 of the County Code and Implementing Order 3-38.

### **Fiscal Impact/Funding Source**

The contract expires on April 30, 2026 and has a current cumulative allocation of \$7,992,000. If this request is approved, the contract will have a modified cumulative allocation of \$10,600,778. The requested increase in expenditure authority reflects the addition of hydrogen peroxide feed systems at the CDWWTP and the price adjustment for hydrogen peroxide for the remaining term of the contract. The additional expenditure for this year was previously approved by the Board as part of the Fiscal Year 2024/2025 County budget.

| Department   | Existing Cumulative Allocation | Additional Allocation Requested | Modified Cumulative Allocation | Funding Source    | Contract Manager |
|--------------|--------------------------------|---------------------------------|--------------------------------|-------------------|------------------|
| WASD         | \$7,992,000                    | \$2,608,778                     | \$10,600,778                   | Proprietary Funds | Susan Pascul     |
| <b>Total</b> | <b>\$7,992,000</b>             | <b>\$2,608,778</b>              | <b>\$10,600,778</b>            |                   |                  |

### **Track Record/Monitor**

Manuel Jimenez of the Strategic Procurement Department (SPD) is the Procurement Contracting Manager.

### **Awarded Vendor**

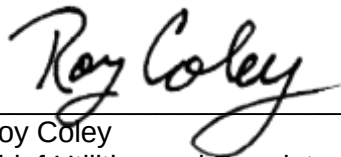
| Vendor                   | Principal Address                             | Local Address | Principal  |
|--------------------------|-----------------------------------------------|---------------|------------|
| Source Technologies, LLC | 157 Venture Court<br>Suite 9<br>Lexington, KY | None          | Wes Harris |

### **Due Diligence**

Pursuant to Resolution No. R-187-12, due diligence was conducted in accordance with SPD's Procurement Guidelines to determine vendor responsibility, including verifying corporate status and that there are no performance and compliance issues through various vendor responsibility lists and a keyword internet search. The lists that were referenced included convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to vendor responsibility.

**Applicability of Ordinances and Contract Measures**

- The two percent User Access Program applies.
- The Small Business Enterprise Selection Bid Preference and Local Preference applied.
- The Living Wage Ordinance does not apply.

A handwritten signature in black ink that reads "Roy Coley". The signature is written in a cursive, flowing style. Below the signature is a horizontal line.

Roy Coley  
Chief Utilities and Regulatory Services Officer



## MEMORANDUM

(Revised)

**TO:** Honorable Chairman Anthony Rodriguez  
and Members, Board of County Commissioners

**DATE:** October 9, 2025

**FROM:**   
Gen Bonzon-Keenan  
County Attorney

**SUBJECT:** Agenda Item No. 8(P)(2)

Please note any items checked.

- \_\_\_\_\_ **"3-Day Rule" for committees applicable if raised**
- \_\_\_\_\_ **6 weeks required between first reading and public hearing**
- \_\_\_\_\_ **4 weeks notification to municipal officials required prior to public hearing**
- \_\_\_\_\_ **Decreases revenues or increases expenditures without balancing budget**
- \_\_\_\_\_ **Budget required**
- \_\_\_\_\_ **Statement of fiscal impact required**
- \_\_\_\_\_ **Statement of social equity required**
- \_\_\_\_\_ **Ordinance creating a new board requires detailed County Mayor's report for public hearing**
- \_\_\_\_\_ **No committee review**
- \_\_\_\_\_ **Applicable legislation requires more than a majority vote (i.e., 2/3's present \_\_\_\_, 2/3 membership \_\_\_\_, 3/5's \_\_\_\_, unanimous \_\_\_\_, majority plus one \_\_\_\_, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) \_\_\_\_, CDMP 2/3 vote requirement per 2-116.1(3) (h) or (4)(c) \_\_\_\_, CDMP 9 vote requirement per 2-116.1(4)(c) (2) \_\_\_\_ ) to approve**
- \_\_\_\_\_ **Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

Approved \_\_\_\_\_ Mayor  
Veto \_\_\_\_\_  
Override \_\_\_\_\_

Agenda Item No. 8(P)(2)  
10-9-25

RESOLUTION NO.      R-960-25

RESOLUTION APPROVING ADDITIONAL EXPENDITURE AUTHORITY IN AN AMOUNT UP TO \$2,608,778.00 FOR A TOTAL MODIFIED CUMULATIVE CONTRACT AMOUNT OF \$10,600,778.00 FOR CONTRACT NO. FB-01523, 50 PERCENT LIQUID HYDROGEN PEROXIDE SOLUTION, FOR THE WATER AND SEWER DEPARTMENT; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXERCISE ALL PROVISIONS OF THE CONTRACT, INCLUDING ANY CANCELLATION OR EXTENSIONS, PURSUANT TO SECTION 2-8.1 OF THE COUNTY CODE AND IMPLEMENTING ORDER 3-38

**WHEREAS**, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA**, that:

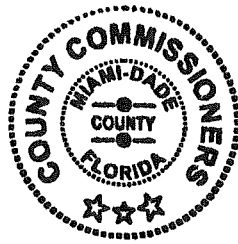
**Section 1.**      This Board authorizes additional expenditure authority in an amount up to \$2,608,778.00 for a total modified cumulative contract amount of \$10,600,778.00 for Contract No. FB-01523, 50 Percent Liquid Hydrogen Peroxide Solution, for the Water and Sewer Department.

**Section 2.**      The Board authorizes the County Mayor or County Mayor's designee to exercise all provisions of the contract, including any cancellation or extensions, pursuant to section 2-8.1 of the County Code and Implementing Order 3-38. A copy of the contract is on file with and available upon request from the Strategic Procurement Department.

The foregoing resolution was offered by Commissioner **Raquel A. Regalado** , who moved its adoption. The motion was seconded by Commissioner **Marleine Bastien** and upon being put to a vote, the vote was as follows:

|                                 |            |                        |            |
|---------------------------------|------------|------------------------|------------|
| Anthony Rodriguez, Chairman     | <b>aye</b> |                        |            |
| Kionne L. McGhee, Vice Chairman | <b>aye</b> |                        |            |
| Marleine Bastien                | <b>aye</b> | Juan Carlos Bermudez   | <b>aye</b> |
| Sen. René García                | <b>aye</b> | Oliver G. Gilbert, III | <b>aye</b> |
| Roberto J. Gonzalez             | <b>aye</b> | Keon Hardemon          | <b>aye</b> |
| Danielle Cohen Higgins          | <b>aye</b> | Eileen Higgins         | <b>aye</b> |
| Natalie Milian Orbis            | <b>aye</b> | Raquel A. Regalado     | <b>aye</b> |
| Micky Steinberg                 | <b>aye</b> |                        |            |

The Chairperson thereupon declared the resolution duly passed and adopted this 9<sup>th</sup> day of October, 2025. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this Resolution and the filing of this approval with the Clerk of the Board.



MIAMI-DADE COUNTY, FLORIDA  
BY ITS BOARD OF  
COUNTY COMMISSIONERS

JUAN FERNANDEZ-BARQUIN, CLERK

By: Basia Pruna  
Deputy Clerk

Approved by County Attorney as  
to form and legal sufficiency.

SED

Sarah E. Davis