

Memorandum



Date: September 9, 2026

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

From: Daniella Levine Cava 
Mayor

Subject: Request for Additional Time under Contract for Genetic Analyses in Waters

RTRC
Agenda Item No. 3(C)

Executive Summary

This item requests a contract extension with LuminUltra Technologies, Inc. to continue genetic analysis services for the Department of Environmental Resources Management (DERM). These services utilize microbial source tracking to identify human and animal pollution sources contributing to seagrass decline and water contamination in Biscayne Bay. The data is essential to guide policy and grant-funded programs that protect marine habitats, surface water quality, and public health. To date, LuminUltra provides the only accredited laboratory in South Florida capable of performing the specific analytical methods required for saltwater environments to meet the County's monitoring needs. This extension is for time only; therefore, no additional expenditure authority is requested. While LuminUltra continues to provide specialized laboratory analysis services, the County has begun transitioning certain complementary services, such as study design, data interpretation, and technical guidance, through an interlocal agreement with FIU, approved by the Board via Resolution No. R-184-26, which also includes the University of Miami as a subcontractor. These institutions provide local expertise and research capabilities that enhance the County's analytical and scientific framework, particularly for ongoing grant-funded initiatives and long-term environmental studies.

Recommendation

It is recommended that the Board of County Commissioners (Board) approve extending *Contract No. SS-10099, Genetic Analyses in Waters*, for two years for DERM. This extension will allow DERM to continue obtaining genetic analyses services necessary to support ongoing water quality monitoring and investigations in accordance with Resolution No. R-612-19.

Background

This sole source contract was established with LuminUltra on March 30, 2021, and was subsequently modified by the Board for additional time and expenditure authority via Resolution No. R-926-22, resulting in a cumulative allocation of \$1,250,000. Sufficient allocation remains available under the contract, as actual usage has been lower than originally projected due to a shift in service delivery, including the County's use of complementary research, event-based sampling and analysis, and other specialized services through academic partnerships, as well as a more targeted application of laboratory analyses.

DERM utilizes this contract to perform microbial source tracking analyses to identify sources of fecal indicator bacteria and other contaminants in Biscayne Bay and surrounding waterbodies. These services are critical to ongoing water quality investigations, regulatory compliance efforts associated with the National Pollutant Discharge Elimination System (NPDES) permit administered by the Florida Department of Environmental Protection, and Board directives under Resolutions No. R-612-19 and R-145-20. The directive report in response to Resolution No. R-145-20 summarized DERM's ongoing efforts to use DNA analysis to determine the source of fecal indicator bacteria in County waters and how this information supplements County efforts to identify and address bacteria contamination at public beaches and our waterways. While LuminUltra continues to provide specialized laboratory analysis

services, the County has begun transitioning certain complementary services, such as study design, data interpretation, and technical guidance, through an interlocal agreement with FIU, approved by the Board via Resolution No. R-184-26, which also includes the University of Miami as a subcontractor. These institutions provide local expertise and research capabilities that enhance the County's analytical and scientific framework, particularly for ongoing grant-funded initiatives and long-term environmental studies.

Despite this transition, LuminUltra remains necessary to perform the laboratory-based microbial source tracking analyses required to process environmental samples within required holding times and using methodologies suited for marine environments. Market research confirmed that alternative laboratories either do not provide the required environmental microbial source tracking capabilities, are focused on non-environmental applications, or cannot meet required sample processing constraints. As such, LuminUltra remains uniquely qualified to provide these services. Approval of this two-year extension will ensure continuity of critical laboratory analysis services while DERM continues to implement a broader, integrated approach that leverages both academic partnerships and specialized laboratory providers to support the County's water quality monitoring and environmental restoration efforts.

Scope

The impact of this item is countywide in nature.

Delegated Authority

If this item is approved, the County Mayor or the County Mayor's designee will have the authority to execute Supplemental Agreement No. 2 and 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 has a cumulative allocation of \$1,250,000 and expires on October 31, 2026. If this request is approved, the pool will have the same cumulative allocation and will expire on October 31, 2028. No additional expenditure authority is requested, as there is sufficient existing allocation to support the purchase of services during the requested extension period.

Department	Existing Cumulative Allocation	Additional Allocation Requested	Modified Cumulative Allocation	Funding Source	Budgeted
DERM	\$1,250,000	\$0	\$1,250,000	Proprietary Funds	FY 2025-26 Adopted Budget, Page 35, Operating Financial Summary; Operating Expenditures; Other Operating
Total	\$1,250,000	\$0	\$1,250,000		

Track Record/Monitor

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

Awarded Vendor

Vendor	Principal Address	Local Address	Principal
LuminUltra Technologies, Inc.	805 Pinnacle Drive Suite M Linthicum Heights, MD	15280 NW 79 Court Suite 107 Miami Lakes, FL	Pat Whalen

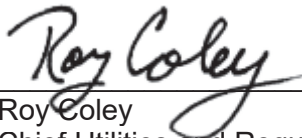
Due Diligence

Pursuant to Resolution No. R-187-12, due diligence was conducted in accordance with SPD's Guidelines to determine contractor responsibility, including verifying corporate status and review of

performance and compliance issues through various vendor responsibility lists and a key word internet search. The lists referenced include convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to contractor responsibility.

Applicability of Ordinances and Contract Measures

- The two percent User Access Program provision applies where permitted by the funding source.
- The Small Business Enterprise measures and Local Preference did not apply.
- The Living Wage does not apply.

A handwritten signature in black ink, reading "Roy Coley", written over 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 6, 2026

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No.

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**

_____ **Requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, majority plus one ____, CDMP 7 votes (majority of membership) ____, CDMP 2/3 members present but not less than 7 votes (majority of membership) ____, CDMP 9 votes (2/3 membership) ____) 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.

RESOLUTION NO. _____

RESOLUTION AUTHORIZING ADDITIONAL TIME OF TWO YEARS FOR CONTRACT NO. SS-10099, GENETIC ANALYSES IN WATERS, FOR THE DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT; AND AUTHORIZE THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE SUPPLEMENTAL AGREEMENT NO. 2 AND EXERCISE ALL PROVISIONS OF THE CONTRACT, INCLUDING ANY CANCELLATION OR EXTENSIONS, PURSUANT TO SECTION 2-8.1 OF THE CODE OF MIAMI-DAE COUNTY 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 time of two years for Contract No. SS-10099, Genetic Analyses in Waters, for the Department of Environmental Resources Management.

Section 2. This Board authorizes the County Mayor or County Mayor's designee to execute Supplemental Agreement No. 2, in substantially the form attached and made a part hereof, and exercise all provisions of the contract, including any cancellation or extensions, pursuant to section 2-8.1 of the Code of Miami-Dade County and Implementing Order 3-38.

The foregoing resolution was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote, the vote was as follows:

Anthony Rodriguez, Chairman
Kionne L. McGhee, Vice Chairman

Marleine Bastien
Sen. René García
Roberto J. Gonzalez
Danielle Cohen Higgins
Natalie Milian Orbis
Micky Steinberg

Juan Carlos Bermudez
Oliver G. Gilbert, III
Keon Hardemon
Vicki L. Lopez
Raquel A. Regalado

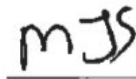
The Chairperson thereupon declared this resolution duly passed and adopted this 6th day of October, 2026. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override 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: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Melanie J. Spencer

SUPPLEMENTAL AGREEMENT NO. 2

Contract Number: SS-10099

Contract Title: Genetic Analyses in Waters

Contractor: LuminUltra Technologies, Inc.
815280 NW 79 Court
Suite 107
Miami Lakes, FL 33016
Attention: Ryan Cobb

In accordance with the above referenced Contract, this Supplemental Agreement, between Miami-Dade County (hereafter referred as "the County") and LuminUltra Technologies Inc. ("Contractor"), when properly executed, becomes part of the Contract, and pursuant to Article 4, Nature of the Agreement, Subsection a) of the Contract, which expressly provides for amendments, shall incorporate the following:

- 1) Pursuant to Article 5, Contract Term, and subject to the approval of the Board of County Commissioners, upon expiration of the extended contract term, by amendment this contract is extended for an additional term of two (2) years with all existing terms and conditions commencing November 1, 2026 and expiring October 31, 2028.
- 2) The following articles are incorporated into this Agreement:

ARTICLE 44. CONTRACTING WITH ENTITIES OF FOREIGN COUNTRIES OF CONCERN PROHIBITED AFFIDAVIT

By signing this Supplemental Agreement, the Contractor affirms that it is not in violation of Section 287.138, Florida Statutes (F.S.) titled Contracting with Entities of Foreign Countries of Concern Prohibited. Contractor further affirms that it is not giving a government of a foreign country of concern, as listed in Section 287.138, F.S., access to an individual's personal identifying information if: a) the Contractor is owned by a government of a foreign country of concern; b) the government of a foreign country of concern has a controlling interest in the Contractor; or c) the Contractor is organized under the laws of or has its principal place of business in a foreign country of concern as is set forth in Paragraphs 2(a)–(c) of Section 287.138, F.S. The affirmation by the Contractor shall be in the form attached to this Supplemental Agreement - Entities of Foreign Countries of Concern Prohibited Affidavit. This Contract shall not be effective unless and until Contractor executes such Affidavit.

ARTICLE 45. KIDNAPPING, CUSTODY OFFENSES, HUMAN TRAFFICKING AND RELATED OFFENSES AFFIDAVIT

By signing this Supplemental Agreement, the Contractor is obligated to comply with the provisions of Section 787.06, Florida Statutes ("F.S."), "Human Trafficking," as amended, which is deemed as being incorporated by reference in this Contract. All definitions and requirements from Section 787.06, F.S., apply to this Contract.

This compliance includes the Contractor providing an affidavit that it does not use coercion for labor or services. This attestation by the Contractor shall be in the form attached to this Contract as the Kidnapping, Custody Offenses, Human Trafficking and Related Offenses Affidavit and must be executed by the Contractor and provided to the County when entering, amending, or renewing this Contract.

This Contract shall be void if the Contractor submits a false Affidavit pursuant to Section 787.06, F.S., or the Contractor violates Section 787.06, F.S., during the term of this Contract, even if the Contractor was not in violation at the time it submitted its Affidavit.

All terms, covenants and conditions of the original Contract shall remain in full force and effect, except to the extent herein amended.

(Signatures on Following Page)

MDC007

IN WITNESS WHEREOF, the parties have executed this Supplemental Agreement to County Contract No. SS-10099 effective on the dates of the parties' signature, whichever is later.

LuminUltra Technologies Inc.**Miami-Dade County**

Signature John A. Geisler
Corporate Officer/Partner/Owner
or other authorized representative

Print Name John A. Geisler

Title V.P. Commercial

Date 18 June 2026

Attest

Corporate Officer (different than above) or Witness
(only if Corporate Officer/Partner/Owner signed above)

Signature _____
for

Print Name Daniella Levine Cava

Title Mayor

Date _____

Attest

Juan Fernandez-Barquin
Clerk of the Court and Comptroller

Signature Jessica Stutt

Print Name Jessica Stutt

Title Sr. Director, Marketing & Client Success

Date June 18, 2026

Signature _____

Print Name _____

Title _____

Date _____

Approved as to form and legal sufficiency

Signature _____

Print Name _____

Title _____

Date _____