

STAFF REPORT REGULAR MEETING

AGENDA DATE: March 31, 2026

DEPARTMENT: Electric Utility

TITLE:

Task Order No. 2 with nFront Consulting LLC to assist Lake Worth Beach Electric Utilities in monitoring power supply costs

SUMMARY:

Consulting support services for the purpose of performing independent monthly review of wholesale power invoices issued by the Florida Municipal Power Agency (FMPA) under the Supplemental Capacity and Energy Agreement, Annual Supplemental Power Source Analysis, Resource Evaluations, and Battery Energy Storage (BESS) Evaluations.

BACKGROUND AND JUSTIFICATION:

The proposed Task Order with n-Front Consulting will assist Lake Worth Beach Electric Utilities (LWBEU) in monitoring power supply costs, evaluating existing generation resources, and assessing potential future energy storage opportunities. The consultant will provide financial and technical analysis to support informed operational and strategic decision-making related to LWBEU's power supply portfolio. The scope of work includes the following tasks:

Task 1 – Monthly Contract Charges Review

Consultant will assist LWBEU with a monthly review of invoiced charges from FMPA under the Supplemental Power Supply Agreement for the January 1 through December 31, 2026, period. The review will verify billing determinants, confirm the accuracy of charges, and identify any discrepancies or items requiring clarification.

Task 2 – Annual Supplemental Power Supply Analysis

Consultant will prepare an annual summary of LWBEU's Supplemental Power Supply Agreement billing determinants and charges for the 2026 contract year by consolidating monthly invoice data into a structured Excel-based analysis. The summary will present capacity and energy quantities, major cost components, and average cost rates, while highlighting key cost drivers and trends in LWBEU's overall power supply costs.

Task 3 – Existing Resource Evaluations

Consultant will assist LWBEU with economic evaluations of potential refurbishment or capital improvement projects for existing generation resources. Analyses will compare projected costs and operational benefits, including potential increases in capacity or service life, using standard financial metrics to support informed capital planning decisions.

Task 4 – Battery Energy Storage System (BESS) Evaluation

Consultant will evaluate potential applications for a battery energy storage system (BESS) for LWBEU. The analysis will assess capital and operating costs, operational characteristics, capacity value, and potential energy market benefits to determine the financial feasibility of BESS under a range of reasonable assumptions.

This Task Order will be billed on a Time and Material Basis (T&M) with a not to exceed amount of \$75,000.

MOTION:

Move to approve/disapprove Task Order No. 2 with nFront Consulting LLC.

ATTACHMENT(S):

Fiscal Impact Analysis
Task Order 2

FISCAL IMPACT ANALYSIS

Five Year Summary of Fiscal Impact:

Fiscal Years	2026	2027	2028	2029	2030
Inflows/Revenues					
Appropriated (Budgeted)	0	0	0	0	0
Program Income	0	0	0	0	0
Grants	0	0	0	0	0
In Kind	0	0	0	0	0
Outflows/Expenditures					
Appropriated (Budgeted)	\$75,000	0	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
Net Fiscal Impact <i>(If not budgeted)</i>	0	0	0	0	0
No. of Addn'l Full-Time Employee Positions	0	0	0	0	0

Contract Award - Existing Appropriation (Budgeted)	
	Expenditure
Department	Electric Utilities
Division	Distribution
GL Description	Improve Other Than Build / Infrastructure
GL Account Number	401-6010-531.31-90
Project Number	N/A
Requested Funds	\$75,000.00
Remaining Balance	\$216,055.00
Source of Revenue (i.e. Paygo. Current Revenue, Bond Money, Grants, etc.)	Current Revenue