



Interoffice Memorandum

November 19, 2021

TO: Mayor Jerry L. Demings
-AND-
County Commissioners

~~FROM:~~ Carrie Mathes, CFCM, NIGP-CPP, CPPO, C.P.M., Manager,
Procurement Division

CONTACT: Lindy A. Wolfe, P.E., LEED-AP, Manager, Utilities Engineering
Division
407-254-9918

SUBJECT: Approval of Contract Y22-744, Southern Regional Water Supply
Facility Floating Photovoltaic System

ACTION REQUESTED:

Approval of Contract Y22-744, Southern Regional Water Supply Facility Floating Photovoltaic System, with D3 Energy, LLC in the total contract award amount of \$1,992,000.

PROCUREMENT:

Work under this contract consists of the installation of a turnkey, fully operational floating photovoltaic (PV) system for the Southern Regional Water Supply Facility (SRWSF).

FUNDING:

Funding is available in account number 4420-038-1798-0022-6310.

APPROVALS:

The Utilities Engineering Division concurs with this recommendation.

DISCUSSION:

Orange County is dedicated to its mission "to make Orange County a more prosperous, healthy, and livable community for current and future generations by addressing economic, environmental, social, and cultural issues in a holistic manner." Orange County Utilities seeks to install a PV system at SRWSF in an effort to address the sustainability initiative component of this mission, to offset energy demands, and reduce greenhouse gas emissions. It is anticipated that the proposed system of approximately 1.21 Megawatt-peak will achieve an annual energy savings at the plant of 20% or \$137,000 per year. This investment represents an approximately 10.5 year return on investment.

To identify any known sources that exist in the market that can provide the floating PV system, the Procurement Division posted a Notice of Intent to Sole Source on

the County's website for 10 business days. One timely response was received from RETTEW, Energy and Environmental Engineering and evaluated by the Utilities Engineering Division. The analysis confirmed that the respondent did not meet the criteria outlined in the Notice of Intent to Sole Source. This process has verified that D3 Energy, LLC is the sole vendor experienced in providing floating PV systems in Florida.

D3 Energy, LLC provided a scope that includes engineering, permitting, equipment procurement, construction, installation, and connection of the floating PV system as described in their scope.

Price reasonableness was determined by comparing pricing from six similar projects in size and scope. These similar projects completed installation 2020-2021 by Florida Power & Light at Miami International Airport, Orlando Utilities Commission (OUC) at Orlando International Airport, OUC at their headquarters location, City of Altamonte Springs Regional Wastewater Reclamation Facility, NBC Universal at Universal Orlando Resort, and U.S. Army at Fort Bragg Military Base, North Carolina. After comparing the estimated costs to these projects, staff has concluded the price is a fair reflection of similar installed systems.