

Agenda Item: 2.b

Meeting Date: April 16, 2026

MEMORANDUM

To: City Commission

Through: Jennifer K. Bramley, City Manager

From: Clayton Watkins

Date: 2026-04-02

Subject: Customer Contribution payment for two (2) new 2,500 kVa Transformers & Electrical Point-of-Service (POS) connections for the Wastewater Treatment Plant (WWTP) to Duke Energy, Corp., in the amount of \$63,511.58.

Presenter(s): Alejandro Gonzalez, P.E., Engineer II, Engineering Division, Utilities Department

Staff Recommendation: Authorize payment of the Customer Contribution for two (2) new 2,500 kVa Transformers & Electrical POS connections for the WWTP to Duke Energy, Corp., in the amount of \$63,511.58.

Strategic Themes: Infrastructure, Planning & Growth

Boards & Committees: N / A

Budget Impact: Funds for this project are budgeted in the Water/Wastewater Utility Fund in Acct. #441-5265-535-056301-WU, under Project #521902.

Past Action:

- 1.) 07/23/19 - Commission awarded the design services contract for the WWTP Electrical System Upgrades Project to Engineering Design Technologies, Corp., of Tampa, FL, in the amount of \$843,484 (Agenda Item 3.d);
- 2.) 11/19/19 - Commission awarded the Loan Administration / Compliance Services contract to Woodard & Curran for a State of Florida FDEP Revolving Fund (Loan), in the amount of \$299,950 (Agenda Item #2.e);
- 3.) 05/05/20 - Commission approved Resolution 20-09 authorizing the loan application to the FDEP SRF Loan program by the City of Dunedin, in the amount of \$100,000 for planning (Agenda Item #3.b);
- 4.) 10/13/20 - Commission approved Resolution 20-32 authorizing the adoption of the Facilities Plan, submission of the Plan to the State (FDEP) and designating Authorized Representatives for the

SRF Loan (Agenda Item #3.a);

5.) 06/15/21 - Commission approved Resolution 21-17 authorizing the submission of the State Revolving Fund (SRF) Loan Application to obtain funding for the design and construction of Wastewater Projects (Agenda Item #3.c);

6.) 09/16/21 - Commission approved Resolution 21-25 authorizing the loan agreement to the State (Florida Department of Environmental Protection - FDEP) SRF Loan Program by the City of Dunedin to finance the design and construction portion of various Wastewater Projects, in an amount up to \$15,550,400 (Agenda Item 2e.);

7.) 04/19/22 - Commission awarded the construction of the City Wide Lift Station Control Panel Replacement and SCADA System Upgrades Project to General Control Systems (GCS), of Lakeland, FL for \$4,365,445 (Agenda Item #3.d);

8.) 08/15/23 - Commission approved Resolution 23-19 authorizing the application to the State SRF for additional funding of up to \$7,649,752 for the design and construction of Wastewater Projects (Agenda Item #3.b.);

9.) 09/19/23 - Commission approved Resolution 23-23 authorizing and executing Amendment No. 1 in an additional amount up to \$7,649,752, for a total maximum loan amount of \$23,200,152, to the State (FDEP) SRF Loan Project No. WW5202C1 by the City of Dunedin to finance the design and construction portion of various Wastewater Projects (Agenda Item #3.a);

10.) 06/05/25 - Commission awarded the construction of the WWTP Electrical System Upgrades project to TLC Diversified, Inc. of Palmetto, FL for the 'Base Bid' (\$14,691,563) plus Additive Alternates for Electrical Upgrades at Facility #8 (\$573,000), Facility #16 (\$472,000) and the Emergency Back-Up Generator Building (\$380,000) in the total amount of \$16,116,563 (Agenda Item #3.e); and

11.) 08/07/25 - Commission approved Addendum No. 2 for Construction Phase Professional Services to the contract with Engineering Design Technologies, Corp., of Tampa, FL for the Wastewater Treatment Plant (WWTP) Electrical Systems Upgrade Project, Not to Exceed (NTE) amount of \$396,159 plus City Wide Lift Station Control Panel Replacement & SCADA System Upgrades, NTE amount \$146,332; in the total amount of NTE \$542,491 (Agenda Item #3.h).

Next Action: Issuance of payment to Duke Energy, following Commission approval.

Attachments: [A. Duke Energy Quote - WWTP New Electrical POS Connections \(Inv. #F5910375901\).pdf](#)
[B. Duke Energy Plans for WWTP - New Electrical POS Connections.pdf](#)

Background: The Wastewater Treatment Plant (WWTP) Master Plan Study,

conducted by King Engineering in 2015, recommended the replacement of the existing and aging Electrical System, including a new electrical building. The recommended upgrades to the WWTP electrical system were intended to provide resiliency to the plant's electrical supply, modernize the electrical equipment to current standards of safety (provide Arc Flash mitigation), reliability and efficiency, and improve parts availability for maintenance purposes.

Engineering Design Technologies was authorized to design the WWTP Electrical System Upgrades project following the evaluation, negotiations and execution of Request for Qualification (RFQ) #19-1123 - Engineering Design Services for the WWTP Electrical Systems Upgrade. The project consists of the replacement of the WWTP's Motor Control Centers (MCC's), breakers, control panels, disconnects, electrical conduit, junction boxes, transformers, electrical appurtenances, and construction of a new electrical building with new 4,000 Amp Switchgear.

The project design plans were completed and competitively advertised for bid. On June 5, 2025, the City Commission awarded Bid #25-2520, for the construction of the WWTP Electrical System Upgrades Project to TLC Diversified, Inc., (TLC) of Palmetto, FL, for the 'Base Bid' (\$14,691,563) plus 'Additive Alternates' for Electrical Upgrades at Facility #8 (\$573,000), Facility #16 (\$472,000), and the Emergency Back-Up Generator Building (\$380,000), in the total amount of \$16,116,563.

An integral component of the WWTP Electrical System Upgrades Project is the installation of two (2) new 2,500 kVa transformers and two (2) new point-of-service (POS) connections to each transformer. The installation of the pad-mounted transformer and corresponding new electrical service from the transmission lines must be completed by Duke Energy. Within the City's project scope of work is the connection of the WWTP's electrical system to Duke Energy's transformers. Before the work can start, Duke Energy requires payment to cover upfront installation costs. After coordinating with City staff and the project Engineer of Record, Duke Energy provided a quote of \$63,511.53 for the required customer contribution facilitating the two (2) new transformers and new electrical POS connections.

As such, staff hereby recommends the Commission authorize the issuance of payment to Duke Energy, in the amount of \$63,511.32, to cover the customer contribution for new pad-mounted transformers and electrical point-of-service (POS) connections at the WWTP, as detailed herein.