

## Resolution No. 2024-3226

**A Resolution of the City of Sanford, Florida, amending the City's annual operating budget for the fiscal year beginning October 1, 2023 and ending September 30, 2024 relating to the need for matching funding relating to the Florida Department of Environmental Protection agreement WG101 pertaining to the project entitled "Sanford North WRF-BNR/AWT Improvements, Phase II"; providing for implementing administrative actions; providing for a savings provision; providing for conflicts; providing for severability and providing for an effective date.**

**Whereas**, the Commission of the City of Sanford, Florida has adopted an annual operating budget for the fiscal year beginning October 1, 2023 and terminating on September 30, 2024 specifying certain projected revenues and expenditures for the operations of Sanford municipal government; and

**Whereas**, the City's budget presumes that each department generally will, to the best of their ability, maintain its expenditures within its allocated budgeted level and exercise prudence in expending funds during the course of the City's fiscal year; and

**Whereas**, from time-to-time circumstances and events may require that the original City budget may need revision; and such as the funding of the City by the Florida Department of Environmental Protection (FDEP) under agreement WG 101 relating to the project entitled "Sanford North WRF-BNR/AWT Improvement, Phase II" and the City's obligations under the Grant Agreement relating thereto; and

**Whereas**, the City Commission, in its judgment and discretion, has the authority to adjust the budget to more closely coincide with actual and expected events.

**Now, therefore, be it adopted and resolved by the City Commission of the City of Sanford, Florida as follows:**

**Section 1. Adoption of Budget Amendment; Matching Funding; Florida Department of Environmental Protection Agreement WG 101; Project Entitled “Sanford North WRF-BNR/AWT Improvements, Phase II”.**

The annual operating budget of the City of Sanford for the fiscal year beginning October 1, 2023 and terminating on September 30, 2024 is hereby revised and amended by Attachment “A” for the provision of matching funds for the implementation of the Florida Department of Environmental Protecting agreement WG 101 for the project entitled “Sanford North WRF-BNR/AWT Improvements, Phase II”. The Attachment is hereby incorporated into this Resolution as if fully set forth herein verbatim. Except as amended herein, the annual operating budget for the City of Sanford for fiscal year beginning October 1, 2023 and terminating on September 30, 2024 shall remain in full force and effect.

**Section 2. Implementing administrative actions; Project Entitled “Sanford North WRF-BNR/AWT Improvements; Phase II”.**

The City Manager, or designee, is hereby authorized and directed to implement the provisions of this Resolution by means of such administrative actions as may be deemed necessary and appropriate with regard to the project entitled “Sanford North WRF-BNR/AWT Improvements, Phase II”.

**Section 3. Savings.**

The prior actions of the City of Sanford relating to the adoption of the City budget and related activities to include, but not limited to, those relating to grants involving the Florida Department of Environmental Protection and the project entitled “Sanford North WRF-BNR/AWT Improvements, Phase II”, are hereby ratified and affirmed.

**Section 4. Conflicts.**

All resolutions or parts of resolutions in conflict with this Resolution are hereby repealed.

**Section 5. Severability.**


If any section, sentence, phrase, word, or portion of this Resolution is determined to be invalid, unlawful or unconstitutional, said determination shall not be held to invalidate or impair the validity, force or effect of any other section, sentence, phrase, word, or portion of this Resolution not otherwise determined to be invalid, unlawful, or unconstitutional.

**Section 6. Effective Date.**

This Resolution shall become effective immediately upon its adoption.

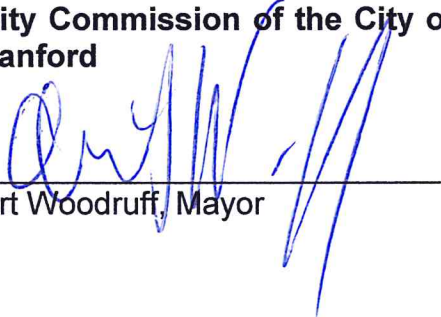
**Passed and adopted this** 11th day of March, 2024.

Attest:

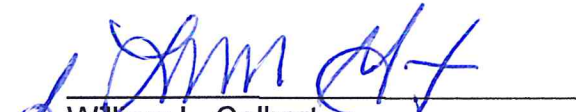
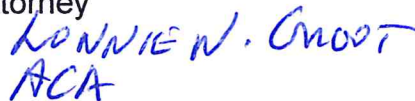
  
Traci Houchin, MMC, FCRM  
City Clerk



**City Commission of the City of Sanford**

  
Art Woodruff, Mayor

For use and reliance of the Sanford  
City Commission only.  
Approved as to form and legality.

  
William L. Colbert  
City Attorney  
  
Lonnie W. Croot  
ACA







APPROVED

WS _ RM <u>X</u>
Item No. <u>8.F</u>

**CITY COMMISSION MEMORANDUM 24-084**  
**MARCH 11, 2023 AGENDA**

**TO:** Honorable Mayor and Members of the City Commission  
**PREPARED BY:** William Marcous, Utilities Manager  
**SUBMITTED BY:** Norton N. Bonaparte, Jr. ICMA-CM, City Manager  
**SUBJECT:** Resolution No. 2024-3225 Accepting Grant And Approving Grant Agreement; Florida Department Of Environmental Protection; Sanford North WRF – BNR/AWT Improvements, Phase II; \$6,600,000; Resolution No. 2024-3226 Amending City Budget

**STRATEGIC PRIORITIES:**

- Unify Downtown & the Waterfront
- Promote the City's Distinct Culture
- Update Regulatory Framework
- Redevelop and Revitalize Disadvantaged Communities

**SYNOPSIS:**

Approval of Resolution No. 2024-3225, approving the Grant Agreement relating to Florida Department of Environmental Protection (FDEP) Sanford North Water Reclamation Facility (WRF) – biological nutrient removal (BNR)/advanced wastewater treatment (AWT) Improvements, Phase II and approval of Resolution No. 2024-3226, amending the City budget is requested.

**FISCAL/STAFFING STATEMENT:**

The proposed FDEP Grant Agreement would provide \$3,300,000 of funding for the continuation of the program for Sanford North WRF – BNR/AWT Improvements, Phase II at the state level of assistance. The total estimated cost of the project is \$6,600,000 with the City, accordingly, providing for a matching funds in the sum of \$3,300,000. This effort represents the efforts of the City Manager to obtain funding for beneficial programs and projects from non-City derived revenue sources.

**BACKGROUND:**

The City is one of the older cities in the State and the City's infrastructure needs a significant retrofit to improve operations, maintainability, sustainability and water quality. Large rain storms and tropical events lead to hydraulic surges through the City's facilities thereby impacting the microbial culture used for treatment, hydraulic and solids retention times, and effluent quality. In addition, the service area is within the Middle St. Johns River basin management action plan (BMAP) and nutrient loadings need to be reduced. The City owns and operates the Sanford North WRF which is classified as a Category I, Class A treatment facility utilizing the integrated fixed film activated sludge (IFAS) process to treat the raw wastewater from the service area and meets all Class I Reliability criteria. The treatment facility consists



of mechanical influent screening, grit removal, four IFAS treatment trains, chemical feed facilities, secondary clarification, tertiary filtration, high-level disinfection, a Class A biosolids management system and a biosolids solar drying system. The City's wastewater management system, reclaimed water system, and the Sanford North WRF are operating under FDEP Operations Permit No. FL0020141.

Implementation of the proposed Phase II BNR Improvements at the Sanford North WRF will have the following long-term and sustainable benefits to the local community:

- (1) reduction in nutrients (nitrogen and phosphorus) contained in the facility effluent;
- (2) reduction of nutrient loadings to the Lake Monroe (Middle St. Johns River BMAP) and Lake Jesup (eutrophic system) basins, Site 10, and local wetlands;
- (3) improvement to the Lake Monroe, Lake Jesup and local surface water quality;
- (4) reduction of potential algal blooms in local waterways due to reduction in effluent nutrients;
- (5) improvement to the local groundwater quality;
- (6) protect the public from environmental harm;
- (7) enhance, preserve, and improve environmental quality and fish/wildlife quality;
- (8) improve wastewater management;
- (9) provide an automated operating system that will allow for energy-efficient and cost-effective operation of the wastewater treatment facility; and
- (10) provide a more sustainable local environment for keystone native species.

The Phase II BNR Improvements at the Sanford North WRF will allow the facility to produce an AWT effluent (BOD < 5 mg/L, TSS < 5 mg/L, TN < 3 mg/L, and TP < 1 mg/L) and attenuate flow surges through the treatment facility thereby enhancing treatment, and will include the following infrastructure improvements:

- (1) a cast-in-place concrete, dual compartment flow equalization (EQ) basin with a sluice gate, and grit removal sumps;
- (2) flow equalization basin pump station conveying flow to each of the individual IFAS treatment trains;
- (3) anaerobic BNR basin to create a stressed environment for the microbes to enhance biological phosphorus removal;
- (4) submersible mixing systems;
- (5) Internal mixed liquor recycle (IMLR) pumping systems;
- (6) a RAS bleed system to condition the microbial culture and increase the treatment system's denitrification potential;
- (7) screening and grit removal system modifications;
- (8) site work, yard piping, fitting and valving systems;
- (9) coating systems;
- (10) flow metering systems;
- (11) electrical, controls, and instrumentation systems; and
- (12) Supervisory control and data acquisition SCADA system improvements.

This critical infrastructure project will allow the Sanford North WRF to meet biological nutrient removal and advanced wastewater treatment requirements, and significantly reduce nutrient loadings to the local

environment and improve surface water quality, groundwater quality, and wetlands quality. The improvements will also improve the water quality within the Middle St. Johns River BMAP region and within the Lake Jesup region (City's Site 10 agricultural reuse disposal site) which is highly eutrophic.

Also, a budget amendment resolution, Resolution No. 2024-3226 is needed to incorporate the \$6,600,000 into the City budget in order to implement the projects and programs under the Grant Agreement with the FDEP.

**LEGAL REVIEW:**

The Assistant City Attorney has assisted in this matter and has no legal objection. A great number of auditing provisions are in place in the FDEP's Grant Agreement relative to which the City must take great care as to procurement activities and contract management practice and principles.

**RECOMMENDATION:**

City staff recommends that the City Commission adopt Resolution No. 2024-3225 approving the FDEP Grant Agreement pertaining to Sanford North WRF – BNR/AWT Improvements, Phase II and Resolution No. 2024-3226 amending the budget and associated procurement activities in the amount of 6,600,000.

**SUGGESTED MOTION:**

"I move to adopt the Resolution No. 2024-3225, as proposed."

**AND**

"I move to adopt the Resolution No. 2024-3226, as proposed." in an amount not to exceed \$6,600,000.

- Attachments:
- (1). FDEP Grant Agreement Executed.
  - (2). FDEP Grant Initiation Form.
  - (3). Budget Amendment Form
  - (4). Resolution No. 2024-3225, approving the FDEP Grant Agreement.
  - (5). Resolution No. 2024-3226, approving a budget amendment (with budget amendment form).