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**City of Pompano Beach  
UTILITIES TREATMENT PLANT**

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**MEMORANDUM NO. 24 – 24**

**DATE:** July 15, 2024

**TO:** Greg Harrison, City Manager

**VIA:** A. Randolph Brown, Utilities Director

**FROM:** Phil Hyer, Utilities Treatment Plants Superintendent 

**SUBJECT:** Request for Approval – First Amendment of Carollo Engineers, Inc.

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Utilities requests Commission approval of the First Amendment of an agreement between the City and Carollo Engineers, Inc. The services rendered for Professional/Consulting Services No. 2015 for an electrical master plan update and design for the City's Water Treatment Plant 5KV Electrical System on July 13, 2023, ("Original Agreement"), and approved by City Resolution No. 2023-194.

In 2012, Carollo and Gamboa Engineers assessed the Water Treatment Plant electrical system and found that most of the power distribution system was near the end of its useful life and needed a significant upgrade to maintain reliability and safety.

The Phase I and II improvements were successfully completed in 2014 and 2016, which improved the electrical systems greatly for the High Service Pumps (HSP) 1 through 4. The Phase III improvements upgraded the electrical switchgear at the Transfer Station and was completed in 2021.

The remainder of the identified electrical improvements needed will be conducted under this project as Phase IV. This will include Carollo's design to incorporate new switchgear and generator in HSP 5 & 6, convert the existing Sludge Dewatering Building into an electrical building to house new main power distribution, upgrade electrical equipment in the Lime Softening Building and add a new generator in the Membrane Building.

The design is currently at 95% complete with submittal of final design, specifications and bid assistance remaining. There is no additional financial impact. Funding has been expensed to CIP 07-932 account line 420-7310-533. 65-03.