



Florida's Warmest Welcome

**City of Pompano Beach
UTILITIES ADMINISTRATION**

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MEMORANDUM NO. 25-49

DATE: October 10, 2025

TO: Gregory P. Harrison, City Manager

VIA: Brian Donovan, Assistant City Manager

FROM: Renuka Mohammed, Utilities Director

CC: Phil Hyer, Superintendent of Plant Operations
Mondy Claude, Utilities Business Operations Analyst

SUBJECT: CWSRF Loan Approvals and Acceptances WW0624D0 (\$5,595,305 with 100% principal loan forgiveness) & WW0624E0 (\$10,604,695) - Emerging Contaminants Water Treatment Plant Upgrades **Phase I - Deep Injection Well (IW-2)**

Purpose

To obtain Commission approval and authorization to apply for and accept funding from the Florida Department of Environmental Protection (FDEP) Clean Water State Revolving Fund (CWSRF) for loan applications WW0624D0 for \$5,595,305 with 100% principal loan forgiveness; and WW0624E0 anticipated at \$10,604,695, which will be financed over the SRF maximum term of 20 years at below-market interest rates. The proposed loans will finance the Emerging Contaminants Water Treatment Plant Upgrades Phase I - Deep Injection Well (IW-2).

Background & Project Overview

The City of Pompano Beach owns and operates a 50 million-gallon-per-day (mgd) water treatment plant that utilizes both lime softening (40 mgd) and nanofiltration (10 mgd) processes to treat raw water from the Biscayne Aquifer. The existing nanofiltration (NF) facility was designed with the capacity to expand to an additional 10 mgd within the current facility footprint.

On April 10, 2024, the U.S. Environmental Protection Agency (USEPA) released the National Primary Drinking Water Regulation (NPDWR), establishing enforceable limits for per- and polyfluoroalkyl substances (PFAS), which become effective in 2029. The City's monitoring program has identified PFAS concentrations in both raw and finished water that exceed the PFAS maximum contaminant levels. To comply with Federal and State standards and ensure public health protection, significant treatment upgrades are necessary.

As a result, the City developed a Water Facility Plan for Emerging Contaminants Upgrades, which was approved by the Commission via Resolution 2024-184 and subsequently approved by the FDEP in 2024, with a revision completed in 2025. Phase I identifies two priority projects:

- Buildout of the existing nanofiltration facility (i.e. from 10 mgd to 20 mgd or greater).
- Construction of Deep Injection Well (IW-2) for concentrate disposal.

The buildout of the nanofiltration facility aims to expand the nanofiltration capacity from 10 mgd to 20 mgd or greater within the existing facility, dependent on design and feasibility criteria, as well as available funding sources. The nanofiltration expansion requires an additional deep injection well for disposal of additional concentrate.

Funding Opportunity

The City submitted a Request for Inclusion to the CWSRF and was granted priority at the August 13, 2025, FDEP meeting. The City received two funding allocations to design and construct a second Deep Injection Well (IW-2), listed below:

1. WW0624D0 loan with Emerging Contaminant Funds in the amount of \$5,595,305, which includes 100% principal loan forgiveness.
2. WW0624E0 conventional loan in the amount of \$10,604,695, which will be financed over the maximum SRF term of 20 years at a below-market interest rate.

Prior Actions

Resolution 2024-184: Adoption of Water Facility Plan for Emerging Contaminants

Ordinance 2024-10: Adoption of Water and Sewer Rates

Supports Strategic Goals, Objectives, Policies

Strategic Plan: Goal 4 (Item 6): Superior Capacity for Growth through Quality, Sustainable Development - Expand and enhance utility infrastructure - water, wastewater and stormwater.

Comprehensive Plan: Goal 7A: Provide safe, reliable, sustainable, cost-effective potable water to all residents and businesses within the City's water utility service areas and make the capital improvements necessary to maintain or improve potable water services.

Fiscal impact

\$10,604,695 financed over the maximum SRF term of 20 years at a below-market interest rate and \$5,595,305 with principal forgiveness.

Recommendation

The Utilities Department recommends that the City Commission approve and authorize the Utilities Department to finalize the CWSRF loan applications WW0624D0 for \$5,595,305 with 100% loan forgiveness; and WW0624E0, anticipated at \$10,604,695, which will be financed over the SRF maximum term of 20 years at a below-market interest rate. This funding opportunity is contingent upon the submission of the complete application by the deadline of December 11, 2025. Failure to meet this deadline will result in removal from consideration for inclusion in this priority listing cycle.

Applicable Attachments:
CWSRF Loan Application
Revised Water Facility Plan