



**Public Meeting
City of Pompano Beach
Emerging Contaminants Water Treatment Plant Upgrades
Water Facility Plan DW0642A
6:30 p.m., Monday, July 8, 2024**

Mr. Frank Brinson, PE with McCafferty Brinson Consulting LLC, provided a brief presentation as shown on the following pages.

Mr. Frank Brinson then opened the forum to the public comment. There were no comments or questions from the public.

The sign in sheet and presentation are attached on the following pages.

As approved by the City of Pompano Beach:

A. Randolph Brown
Utilities Director
City of Pompano Beach
1205 NE 5th Ave
Pompano Beach, FL 33060

**LIST OF ATTENDEES
PUBLIC MEETING HELD FOR THE
CITY OF POMPANO BEACH
FACILITIES PLAN
FOR THE
EMERGING CONTAMINANTS WATER TREATMENT PLANT UPGRADES**

| Name | Representing | Phone Number | Email |
|------------------|-------------------------------|----------------|-----------------------------------|
| Randy Brown | City of Pompano Beach | (954)-545-7043 | Randolph.Brown@copbfl.com |
| Phil Hyer | City of Pompano Beach | (954)-545-7030 | Phil.Hyer@copbfl.com |
| Audra McCafferty | McCafferty Brinson Consulting | (954)-797-7100 | amccafferty@mccaffertybrinson.com |
| Frank Brinson | McCafferty Brinson Consulting | (954)-797-7100 | fbrinson@mccaffertybrinson.com |
| Amanda Esposito | McCafferty Brinson Consulting | (954)-797-7100 | ae@mccaffertybrinson.com |
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| Name | Representing | Phone Number | Email |
|------------------|----------------|--------------|-----------------------------|
| Phil Hyer | COPB | 954 545 7030 | phil.hyer@copbfl.com |
| Tammy Good | OOM | 954 650 7787 | tammy.good@copbfl.com |
| Randy Brown | COPB Utilities | 954-545-7043 | Randolph.Brown@COPBFL.COM |
| Mondy Claude | COPB utilities | 786-553-4465 | mondy.claude@copbfl.com |
| Audra McCafferty | MBC | 954 797 7100 | am@mccaffertybrinson.com |
| Frank Brinson | MBC | 954 797 7100 | fb@mccaffertybrinson.com |
| Nate Watson | COPB | 954-786-5508 | nathaniel.watson@copbfl.com |
| Amanda Esposito | MBC | 954 797 7100 | ae@mccaffertybrinson.com |
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CITY OF POMPANO BEACH

Water Facility Plan Public Meeting

Emerging Contaminants Water Treatment Plant Upgrades-DW0642A

July 8, 2024



McCAFFERTY BRINSON
consulting

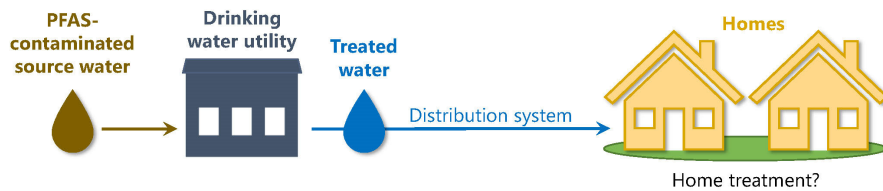


HILLIERS ELECTRICAL ENGINEERING, INC.





How Do We Remove PFAS From Drinking Water?



Effective Treatment Technologies for PFAS

Anion exchange resin, granular activated carbon (GAC), and membrane separation (RO) are generally effective at removal.

More effective for long-chain than short-chain PFAS.

Removal efficiencies and cost depend on source water characteristics and water system characteristics.

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New Drinking Water Regulations (PFAS)

On April 10, 2024, the USEPA released the final National Primary Drinking Water Regulation (NPDWR) for per- and polyfluoroalkyl substances (PFAS).

Reasons Pompano Beach is doing this project

| NEED | ALTERNATIVES | INTENTION |
|--|---|--|
| <p>The older portion of the City's water treatment plant (the lime softening process) does not remove PFAS adequately.</p> | <ul style="list-style-type: none">• Expand the existing newer membrane treatment process.• Retrofit/upgrade the lime softening process (granular activated carbon or anion exchange) | <p>To address the public health and welfare of the drinking water for the City's 89,000 customers for the long-term in the most cost-effective and reliable manner possible.</p> |



Total Required Capacity is 30 million gallons per day

The upgrade will consist of:

- 10 mgd capacity build-out of the City's existing nanofiltration (NF) membrane facility to a total capacity of 20 mgd.
- Construction of a new 10-mgd capacity membrane treatment facility.
- Decommissioning of the existing older lime softening process.

Improvements



FUNDING

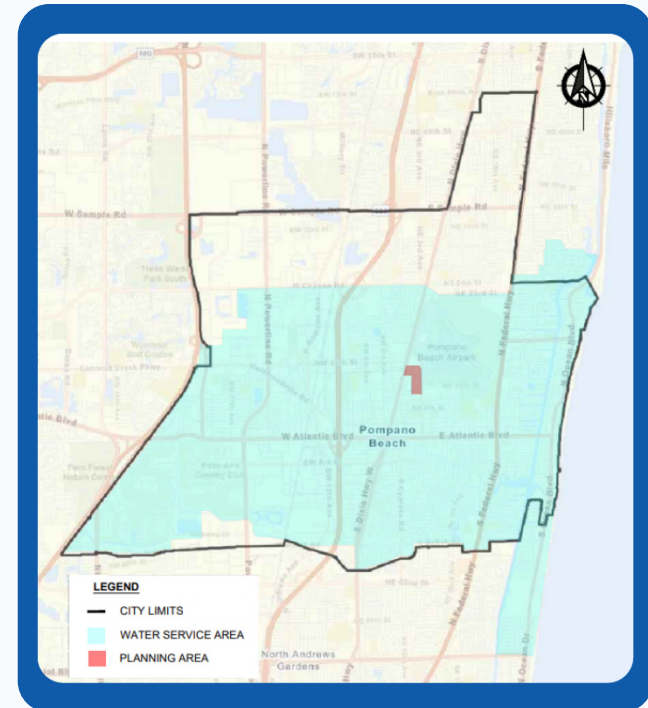
- The City has secured \$9.595 million in grant funding from the Florida Department of Environmental Protection (FDEP) “Emerging Contaminants” Funding Program to pay for design of the improvements.
- The City intends to pursue additional funding to reduce future rate increases to pay for construction.



FDEP Drinking Water
State Revolving Fund,
Emerging Contaminants

THIS MEETING

- Required by the FDEP funding program.
- Intended to afford the public the opportunity to comment on:
 - Project and Water Facility Plan
 - Economic & Social Effects
 - Location
 - Design
 - Environmental Impact



**POMPANO BEACH
SERVICE AREA**

ESTIMATED PROJECT CAPITAL COSTS

| OPTION 1 | PHASE 1 | PHASE 2 | TOTAL |
|----------------------|-------------------------|-----------------|---------------|
| | Buildout Of NF Facility | New NF Facility | |
| DESIGN | \$4,573,000 | \$7,683,500 | \$12,256,500 |
| CONSTRUCTION | \$50,811,000 | \$85,373,000 | \$136,184,000 |
| ENGINEERING SERVICES | \$4,573,000 | \$7,683,500 | \$12,256,500 |
| TOTAL | \$59,957,000 | \$100,740,000 | \$160,697,000 |

ESTIMATED PROJECT CAPITAL COSTS

| OPTION 2 | PHASE 1 | PHASE 2 | TOTAL |
|----------------------|-------------------------|-----------------|---------------|
| | Buildout Of NF Facility | New RO Facility | |
| DESIGN | \$4,573,000 | \$15,690,500 | \$20,263,500 |
| CONSTRUCTION | \$50,811,000 | \$174,338,000 | \$225,149,000 |
| ENGINEERING SERVICES | \$4,573,000 | \$15,690,500 | \$20,263,500 |
| TOTAL | \$59,957,000 | \$200,719,000 | \$265,676,000 |



Schedule



June 2024

Submitted Water Facility
Plan

July 2024

Public Meeting

September 2024

Select Engineer to Design
Upgrades

January 2026

Completion of Planning
and Design Activities

Questions?



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