



Project Update
Commission Conference Meeting
June 3, 2025



CITY OF FORT LAUDERDALE



PROSPECT LAKE
CLEAN WATER CENTER

CAM #25-0506
Exhibit 1
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Project Overview

A New Water Treatment Plant Requires Significant Enhancement of Existing City Infrastructure

IDE-Ridgewood Project Team	City Enabling Works	PLCWC Project
<p>Guaranteed Max. Cost: \$485M (fixed price tied directly to the availability payment of \$1.61 per 1,000 gallons)</p> <p>Timeline: 42 Months</p> <p>Key Features:</p> <ul style="list-style-type: none">- 35 MGD of Nano-Filtration treatment capacity- 15 MGD of Ion Exchange treatment capacity- Administration and Laboratory Facilities- Primary disposal well- Site and cyber security	<p>Expected Cost: \$181M</p> <p>Timeline: 42 Months</p> <p>Key Features:</p> <ul style="list-style-type: none">- Well water pre-treatment and booster pumps- Transmission pipeline from new water treatment facility to Fiveash distribution system- Secondary disposal well- Power (electrical) connection to Florida Power & Light- Wastewater, water and communication utility connection	<p>Total Cost: \$666M</p> <p>City Benefits:</p> <ul style="list-style-type: none">- Improved reliability built to withstand Class 5 hurricane- Plant will produce clear water in accordance with quantity and quality requirements established by the City- Operations overseen by globally recognized leader in water treatment and membrane technology, IDE- PLCWC is a new, state-of-the-art water treatment facility that is owned by the City, staffed by the City, and will provide the City's residents safe, clear drinking water through rates set by the City



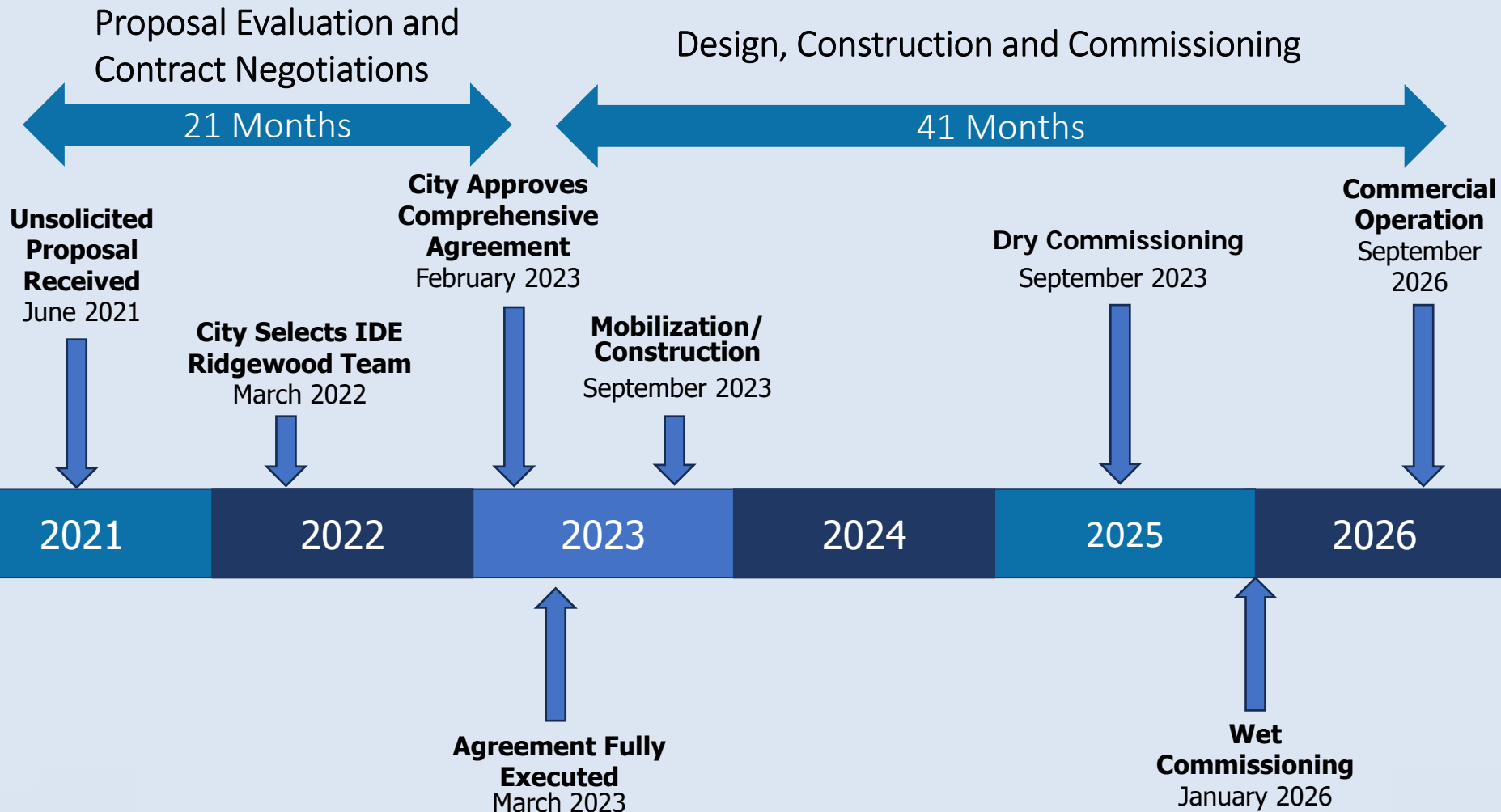
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Project Timeline



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Key Commission Approvals

- Comprehensive Agreement – February 2023
- FPL Phase One Easement – August 2023
- First Amendment to the Agreement – October 2024
- Optimal Corrosion Control Pilot – October 2024
- PFAS Pilot – October 2024
- Second Amendment to the Agreement – February 2025
- FPL Phase Two Easement – April 2025
- Laboratory Testing Services – June 2025*



Figure 4-2. NF Pilot at Prospect Lake



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Mass Excavation Comparison



Mobilized – September 2023
Broke Ground – October 2023

Excavated – 110,000CY - 100%
Backfilled – 170,000CY - 100%

Increasing site elevation by 5'



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Underground Pipe Progress



Underground Pipe Installed
37,000 Linear Feet-100% complete



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Underground Electrical Conduit Progress



Underground Electrical Conduit
142,000 Linear Feet installed-100% Complete



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Injection Wells

Injection Well 2 - Complete

Monitoring Well - Complete

Current Depth of Injection
Well 1- 1,840 Feet of 3,500



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Upcoming Onsite Activities

- Complete Installation of Power Distribution Centers
 - May 2025
- Complete Installation of Nanofiltration Building
 - June 2025
- Begin Start-Up and Commissioning Activities
 - July 2025
- OCCT Pilot
 - Bench Scale testing at the University of Virginia Tech is nearing completion
 - Draft report will be completed June 2025
 - Pipe Loop modules arrive June 2025
 - 6 months of Pipe Conditioning begins shortly after
- PFAS Pilot
 - Final Engineering drawings to be completed by June 2025
 - Pilot skid to arrive by August 2025
 - Preliminary report to be completed January 2026



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November 2023



February 2024



May 2024



July 2024



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September 2024



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May 2025



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May 2025



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May 2025



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Thank You Questions



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