

TODAY'S PRESENTERS



Chief Engineering Officer
Felicia Glapion

Felicia joined AlexRenew in 2019 and serves as the Chief Engineering Officer, responsible for AlexRenew's Engineering, Maintenance, and Asset Managment Departments.



Owner's Advisor

Jason Garside

Jason is the OA Services Group Lead for Carollo. He has more than 25 years of experience in water/wastewater design and collaborative project delivery.

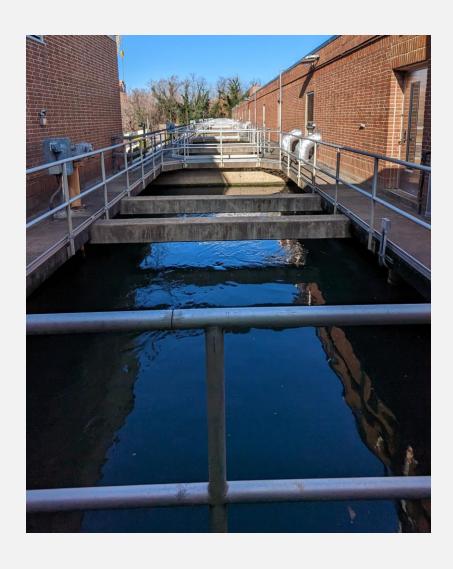


Chief Administrative Officer

Caitlin Feehan

Caitlin joined AlexRenew in 2018 and serves as the Chief Administrative Officer, responsible for AlexRenew's Communications, Procurement, and Finance Departments.

OUTLINE



- O1 AlexRenew Overview
 General & PhaseForward
- **102** Tertiary Systems Upgrade Project Scope Discussion of major scope items
- **03** Procurement Process
- **04** Next Steps
- 05 Tour

AT-A-GLANCE

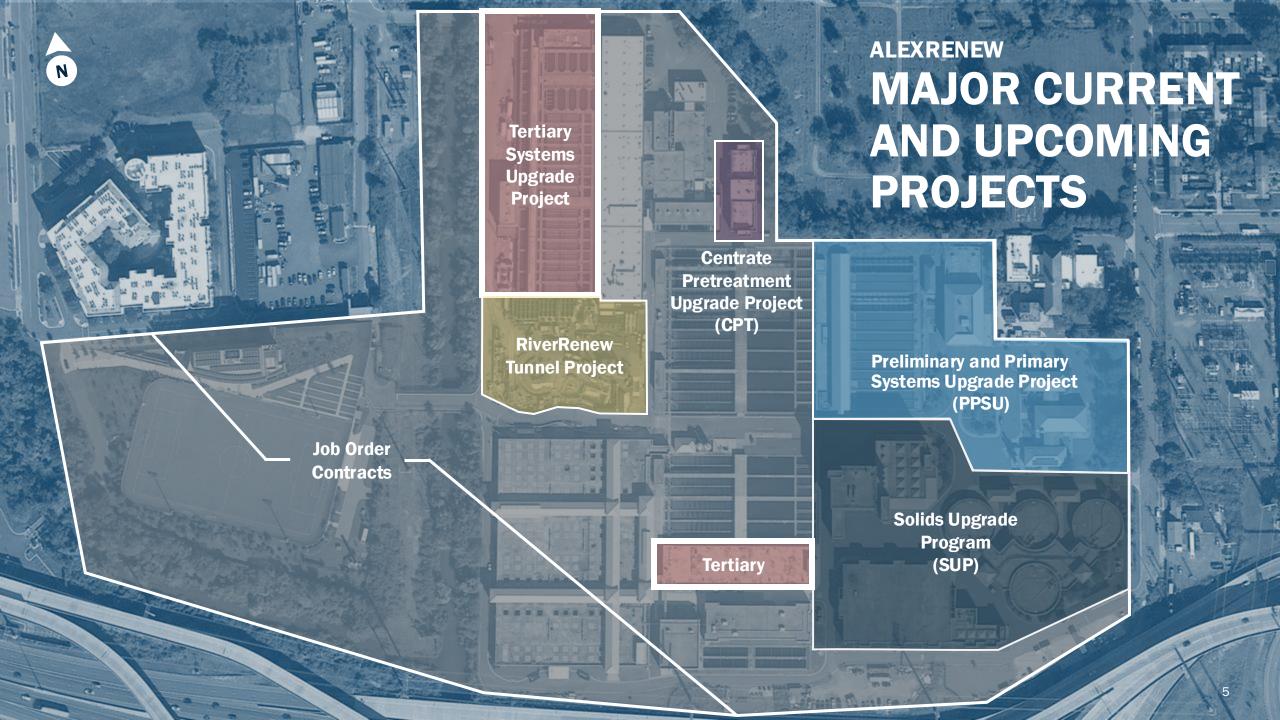
MISSION

Treat wastewater to protect public health and the waterways that connect us

VISION

Every drop of water contributes to a thriving community and healthy environment for all





phaseforward

Building a Resilient Wastewater Future



Solids Upgrade Program

Type: CMAR
CMAR: PC Construction
Engineer: Stantec
Inspections: Stantec



Preliminary and Primary Systems Upgrade Project

Type: CMAR CMAR: Ulliman Schutte Engineer: GHD Inspections: GHD



Centrate Treatment Project

Type: Design-Bid-Build Contractor: ACE
Engineer: Jacobs

Inspections: Brown & Caldwell (CM)



Tertiary Systems Upgrade Project

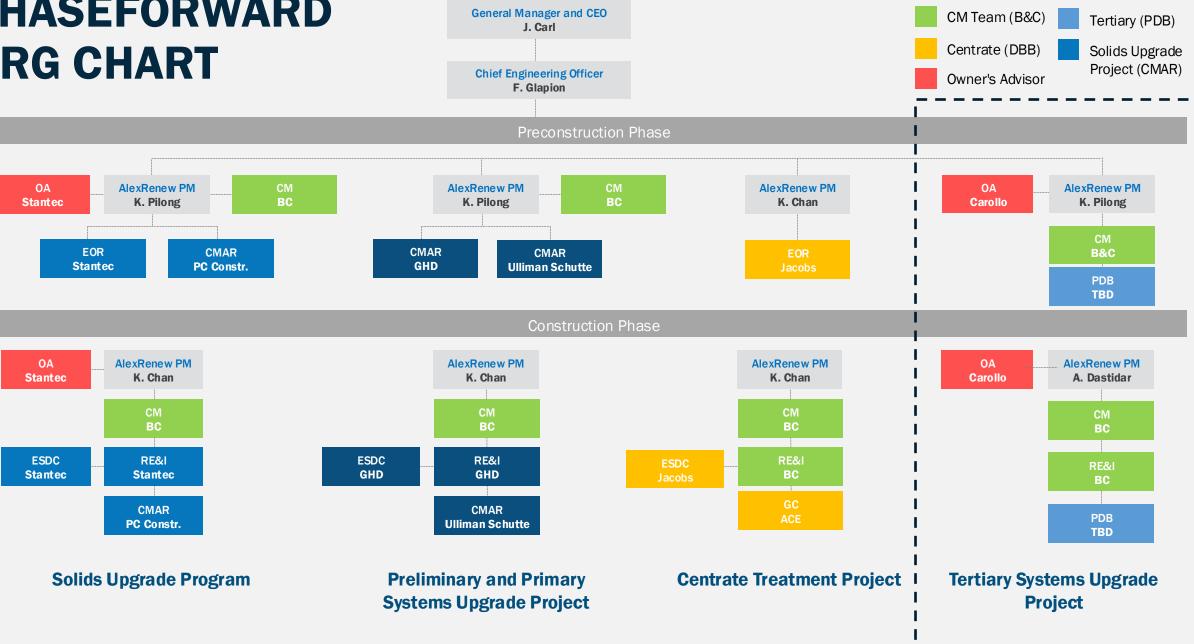
Type: Progressive Design-Build **Design-Builder: TBD**Owner's Advisor: Carollo

Inspections: Brown & Caldwell (CM)

PHASEFORWARD SCHEDULE

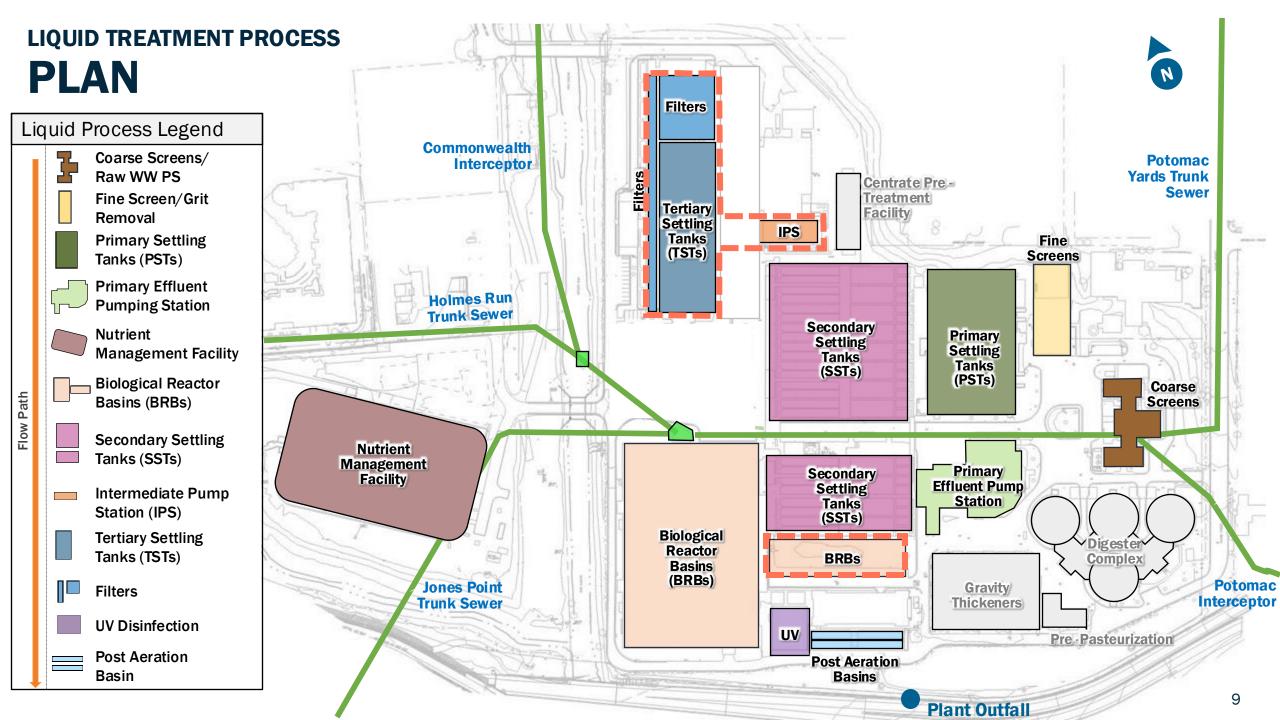


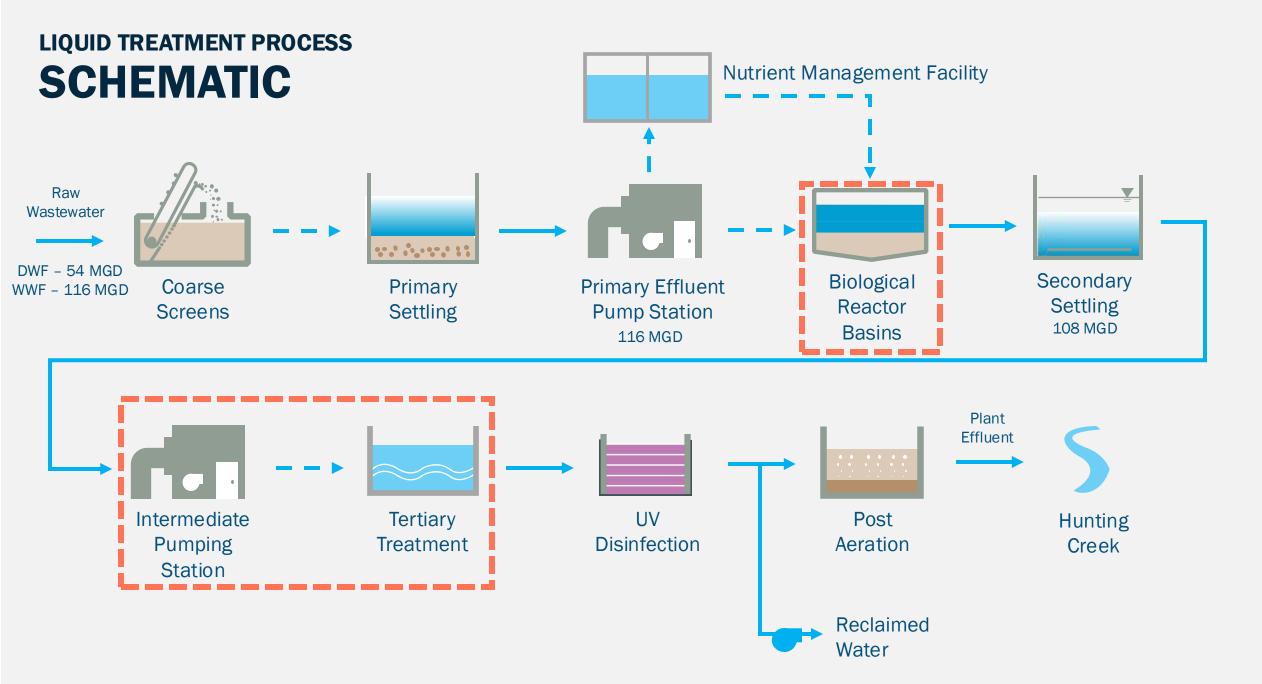
PHASEFORWARD ORG CHART



AlexRenew

PPSU (CMAR)





TERTIARY SYSTEMS UPGRADE PROJECT

PROJECT SNAPSHOT

- Filter rehabilitation and conversion to denitrification
- 2 Tertiary settling tank equipment upgrades
- 3 New denitrification filters
- Biological Reactor Basin No. 6 conversion

DELIVERY METHOD

· Progressive Design-Build

ESTIMATE CONSTRUCTION COST

• \$120 million (ROM estimate)

SCHEDULE

- Notice to Proceed: January 2026
- Completion: September 2030



FILTER REHABILITATION AND CONVERSION



AlexRenew's 22 filters require rehabilitation to address ageing infrastructure and conversion to denitrification.

- Replace media and gravel support for conversion to denitrification
- / Replace valves and actuators
- / Replace air piping, pumps, and blowers
- / Structural inspection and repairs
- / Filter trough refurbishment
- / Replace underdrains
- / Provide improvements to filter backwash recycle system

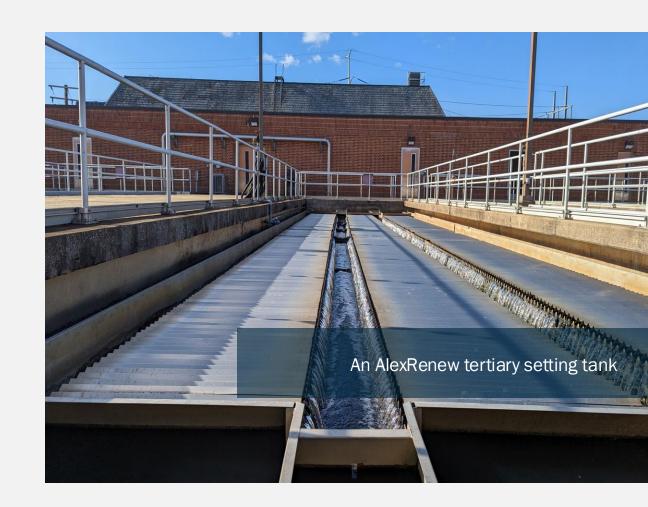


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TERTIARY SETTLING TANK UPGRADES

AlexRenew's existing 8 tertiary settling tanks require upgrades to improve the reliability of the system

- / Clean settling plates and weirs
- / Repair or replace degraded concrete in and around tanks
- / Replace effluent stop plates and TST drain gates and manual actuators
- / Replace baffle walls, rapid mixers, and flocculators
- / Replace influent flow meters
- / Replace alum tank level sensors with pressure level sensors
- / Provide new controls for all equipment
- / Provide new on-line TSS monitoring sensors
- / Install new sludge collector mechanism
- / Modification to the tertiary sludge recycle system

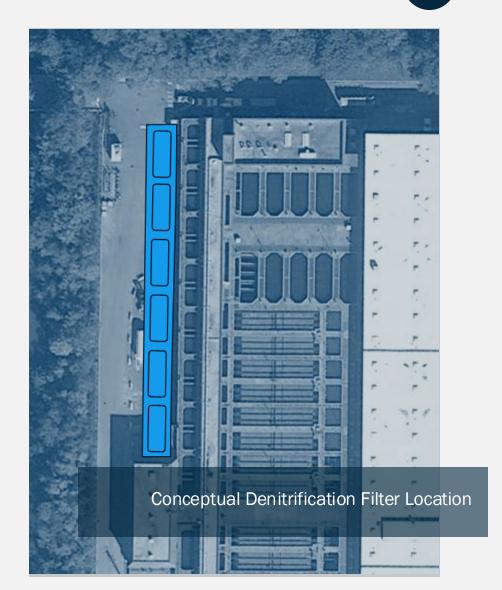


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NEW DENITRIFICATION FILTERS

To support plant expansion and remove additional nitrogen load associated with additional flow, up to six (6) new denitrification filters will be constructed.

- / Construct concrete structure to house new dentification filters, pipe gallery, and associated appurtenances
- / Provide new controls for all equipment
- / Site improvements (i.e., piles)

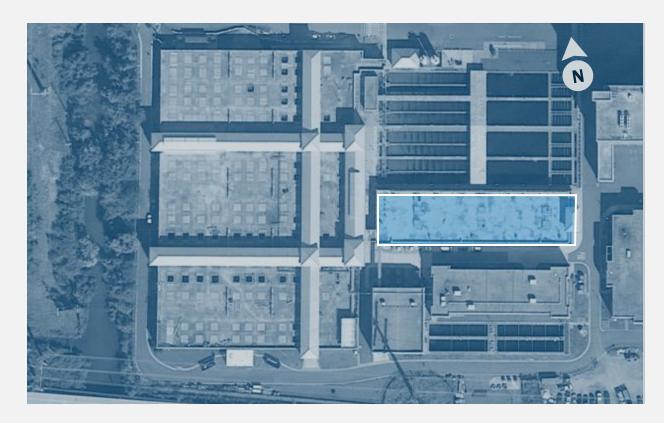


Project Scope

BRB6 CONVERSION

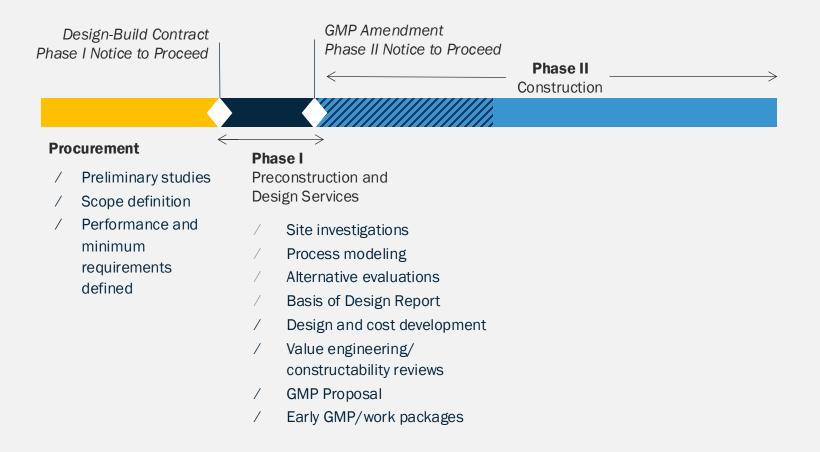
Biological Reactor Basin No. 6 (BRB6) is currently anaerobic. This basin needs to be converted to an aerated basin.

- / Cleaning of basin & disposal of contents
- / Installation of process air (turbo) blowers
- / Installation of aeration diffusers, piping, and associated appurtenances



Project Scope

PHASING AND ANTICIPATED SCOPE



PROCUREMENT OVERVIEW

PROCUREMENT

- / Two-Step Process (RFQ/RFP)
- / Shortlist to three (3) respondents
- / Technical/Management and Sealed Price proposals
- / Two (2) confidential meetings anticipated

PRECLUSIONS

- Brown & Caldwell and Schnabel (PhaseForward Construction Management Team)
- / Carollo (Tertiary Systems Upgrade Project Owner's Advisor)

RFQ REQUIREMENTS

- / Contractor-led Design-Build Team (no joint ventures)
- / Ability to self-perform at least 50% of work
- / Required licenses Virginia Class "A" contractor and Virginia registered engineer
- / Bonding Capacity \$120M

ANTICIPATED CONTRACT PROVISIONS

Mutual Waivers of Consequential Damages

Partnering

Change Process/Delegation of Authority

Liquidated Damages

Design-Builder Self-insures

Tertiary Systems Upgrade Project

RFP-25-004 EVALUATION CRITERIA

Team Organization and Key Personnel Narrative, team structure, and the following key personnel: Project Manager Construction Manager Lead Process Engineer Preconstruction Manager Tertiary Treatment SME

Related Project Experience

The following reference projects within the last ten (10) years of similar size and scope to the Project:

30

Construction reference projects

3 Design reference projects

Key Personnel Involvement in Reference Projects

Narrative and the following table



Key Personnel on Reference Projects

15

Safety Program and Record

Current EMR/EMF

Summary of Lead Contractor's safety program and the following:

Three (3) most recent OSHA Form 300A

5

PROCUREMENT TIMELINE



NEXT STEPS

- / **Today.** RFQ Information Session Presentation will be posted on AlexRenew.com/procurement and eVA.virginia.gov
- / **May 6.** Last day for questions.
- / **May 13.** Last day for addenda.
- / **May 22.** SOQs due.

FOR REFERENCE DOCUMENT ACCESS AND TO ASK QUESTIONS

AlexRenew Point of Contact for RFQ-25-004

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