



TOWN OF CENTREVILLE WASTEWATER TREATMENT PLANT

UPGRADE AND EXPANSION STATUS

APRIL 4, 2024

Topics

- **Background**
- **Work Completed**
- **Current Focus Areas**
- **Next Steps**
- **Schedule**
- **Funding**



Background

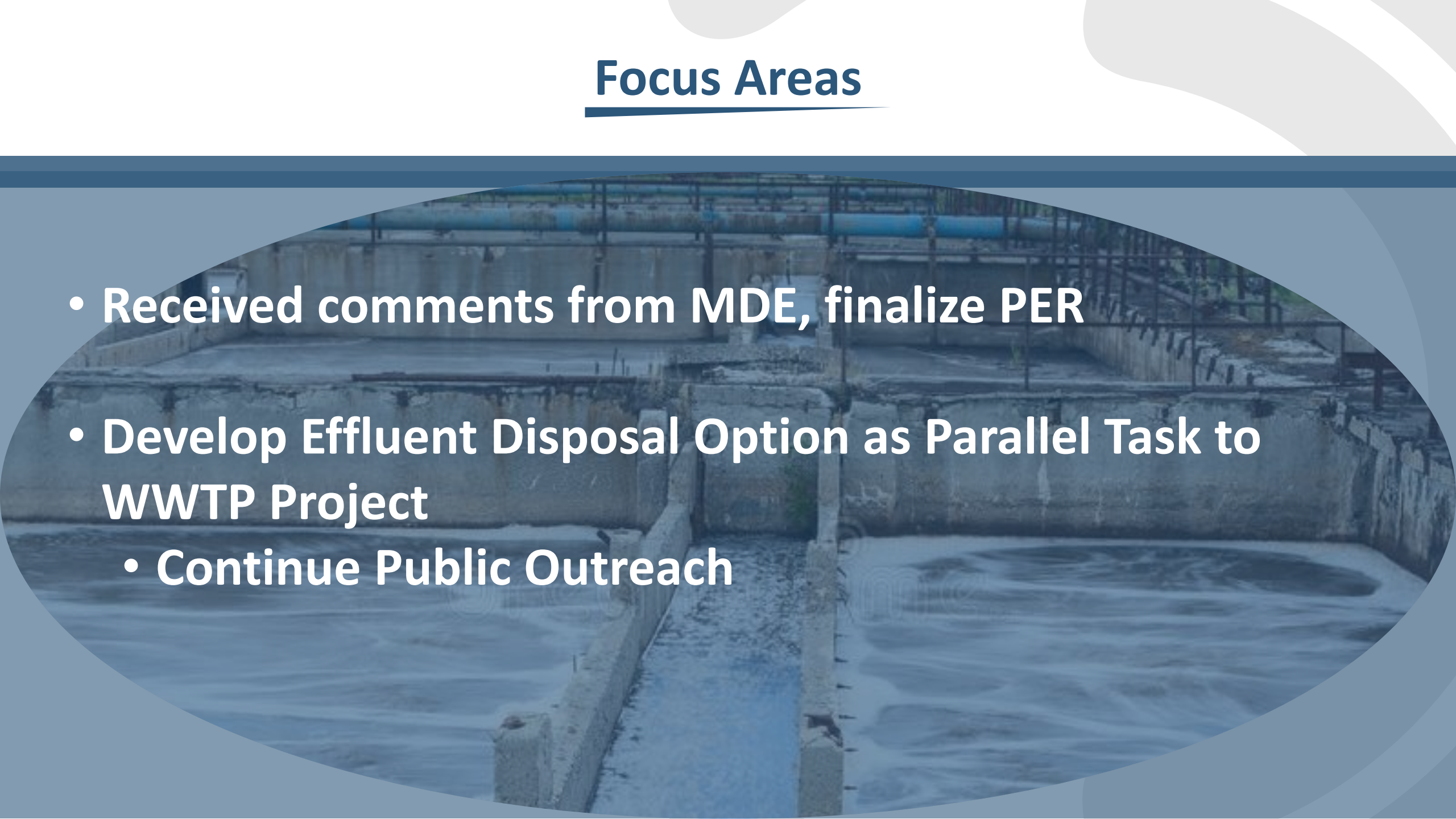
- Upgrade Treatment
 - Enhanced Nutrient Removal
 - Membrane Bioreactor
- Expand from 0.542 to 1.0 MGD
- Alternatives for Treated Effluent Disposal



Work Completed

- **WWTP Upgrade has been approved and adopted into the County's Comprehensive Water and Sewer Plan (Expansion is pending discharge)**
- **Met with MDE to discuss year-round stream discharge**
- **Met with Interest Groups to discuss the option for Corsica River discharge**
- **Submitted Draft WWTP Preliminary Engineering Report to MDE**

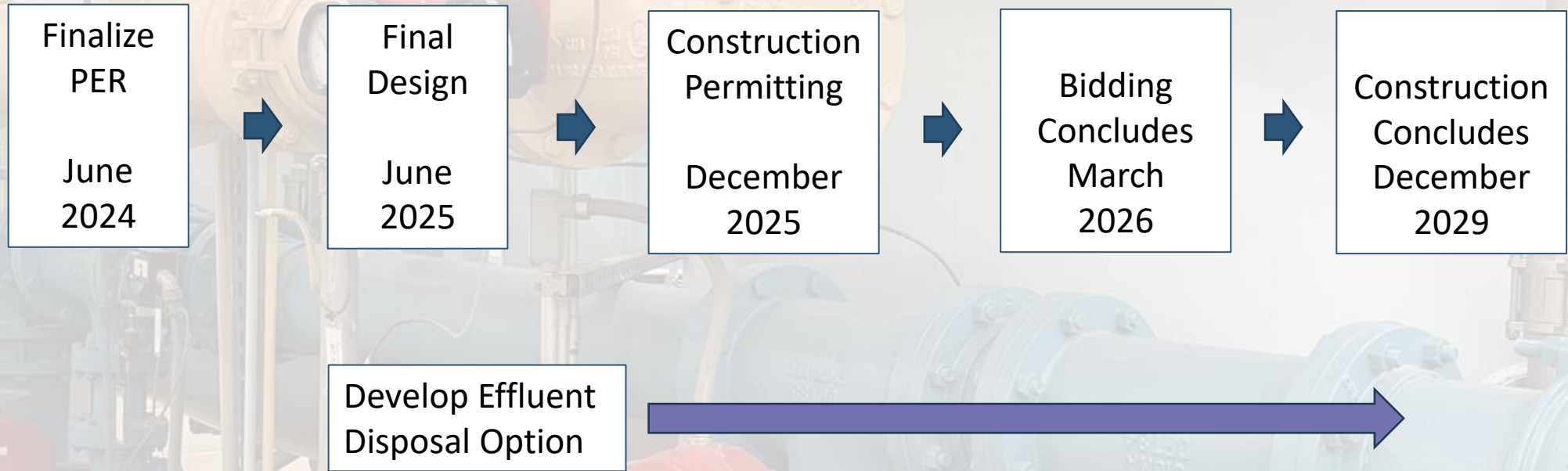
Focus Areas

- Received comments from MDE, finalize PER
 - Develop Effluent Disposal Option as Parallel Task to WWTP Project
 - Continue Public Outreach
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Next Steps

- **Moving forward with Geotechnical Investigation**
 - **Stream Discharge**
 - **Mixing Study**
 - **Investigate Construction Costs and Methods**
 - **Spray Irrigation**
 - **Continue to explore the availability and viability of a field**
 - **PER final approval for the Final Design of the WWTP Project**
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- The background of the slide is a photograph of a wastewater treatment plant. It shows several large concrete basins or tanks. In the foreground, there's a narrow channel of water flowing between concrete walls. In the background, there are more tanks and some metal railings. The overall scene is industrial and somewhat dimly lit, with a blueish tint.

Schedule





Revenue Streams

Grants

- a. BRF - ~\$14.9M (In Current Budget)
- b. CDS - ~\$2.15M
- c. ARPA - ~\$2M
- d. Rural Dev. (Commerce) - \$500,000

Loans

- a. TBD based on grant funding

Total Cost

- a. \$38,278,008



DISCUSSION



THANK YOU!



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Variables

- **Planning and Design**
 - Shift to modern filtering technologies (Membrane)
 - Upgraded software
 - Size/Capacity
 - Allocation Fees for future improvements or expansion
 - Support Town and County growth and planning efforts
- **Discharge Options**
 - **Spray Field and access infrastructure**
 - \$12M+ for the field
 - \$1M per mile to reach the field (total miles/total cost)
 - **Direct Enhanced Stream Discharge (most viable and cost-effective)**
 - Extend past Watson Rd Bridge (cost)