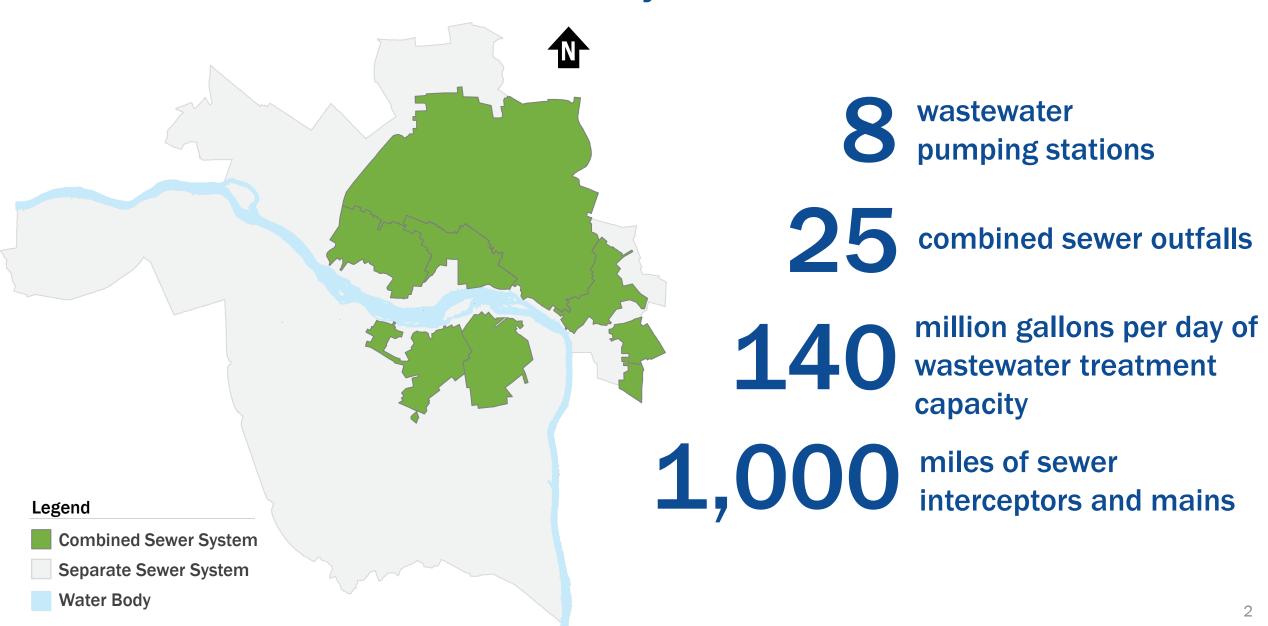


Richmond DPU Wastewater Systems at-a-Glance



Richmond's legacy combined sewer system impacts water quality in the James

Dry Weather Conditions



Wet Weather Conditions



Richmond's DPU has been working for decades to improve water quality in the James River

Phase 1 (1970 - 1988)

2 Projects

- 50 MG Shockoe Retention Basin
- WWTP Improvements

\$420M¹



Phase 2 (1988 – 2002)

6 Projects

- 7 MG Hampton-McCloy Storage Tunnel
- New conveyance sewers
- Improvements focused on Fall of the James and Haxall Canal

\$226M*



Phase 3 (2002 – 2020)

16 Projects

- WWTP Capacity Expansion from 75 to 140 MGD
- Gillies Creek outfall improvements along
- Various sewer separation projects

\$110M*



^{*}Cost of projects adjusted to 2024 dollars

Addressing Combined Sewage is Regulatorily Required

2005 CSO Special Order by Consent

2020 CS0 Law (SB 1064) Amended
Existing Special
Order by
Consent





Regulatory Deadlines

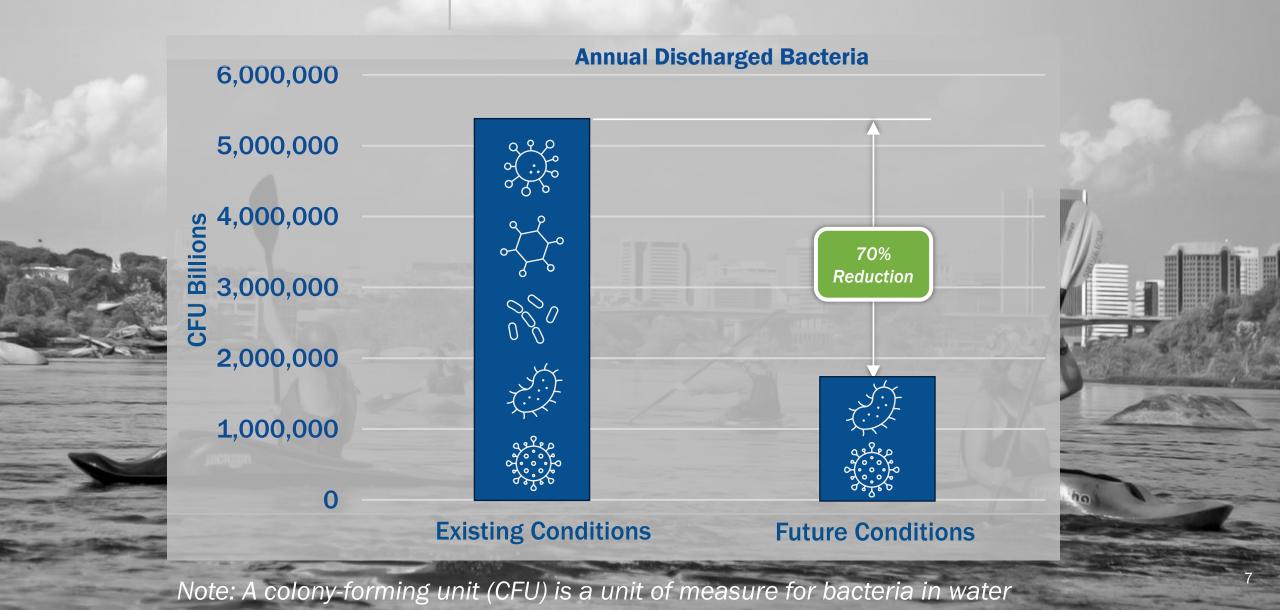
The 2020 CSO Law (SB1064) amended the 2005 Special Order by Consent by accelerating project implementation

	Plan Due Date	Initiate Construction and related activities	Complete Construction
Interim Plan	✓ July 1, 2021	✓ July 1, 2022	July 1, 2027
Final Plan	✓ July 1, 2024	✓ July 1, 2025	July 1, 2035

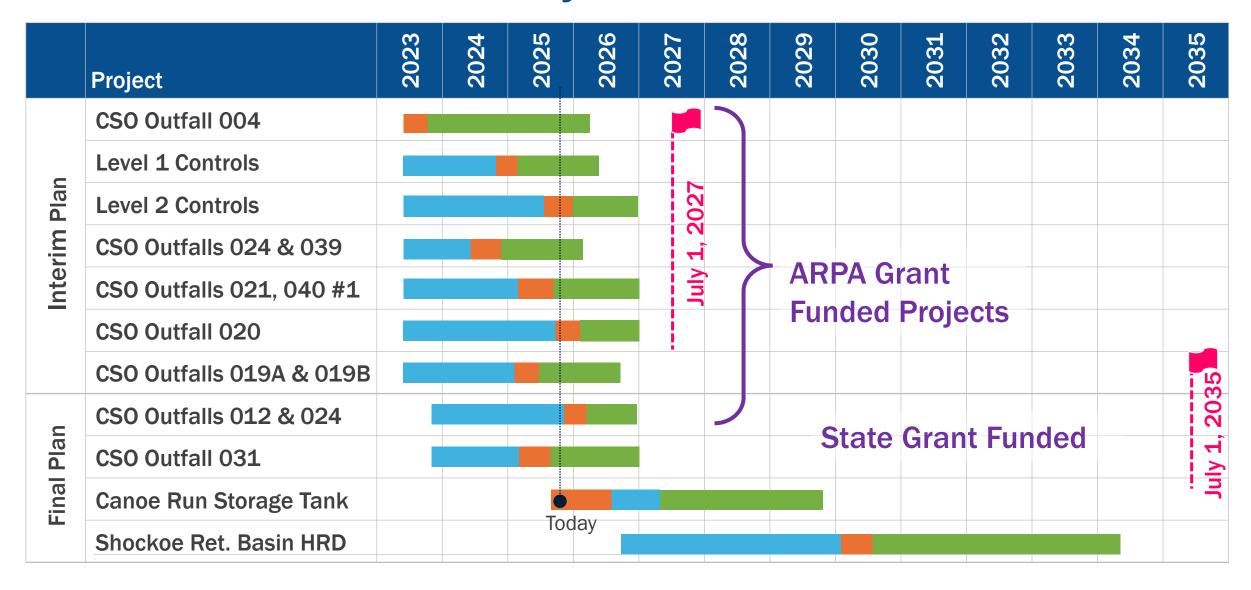
Substantial value engineering was performed to select costeffective strategies which save the City over \$500M.

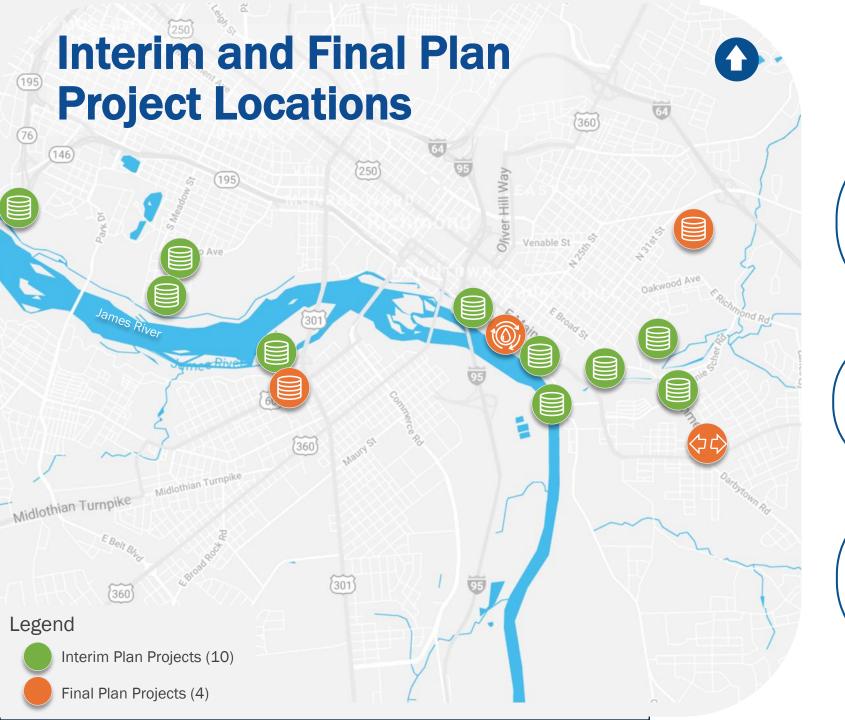
Interim & Final Plan Goal

Reduce bacteria load to the James River from Richmond's combined sewer system by 70%



Interim and Final Plan Project Schedules





CSO Control Methods



Storage

Optimization of existing facilities and new tanks that capture CSO volume



Treatment

Disinfect CSO before it is discharged to receiving water bodies



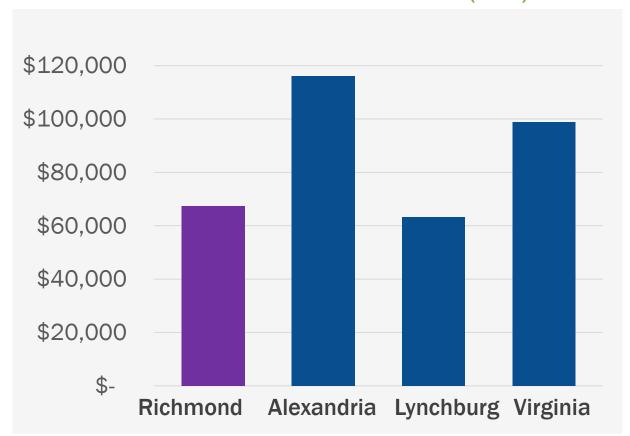
Separation

Replace the CSS with separate sanitary and stormwater sewer systems

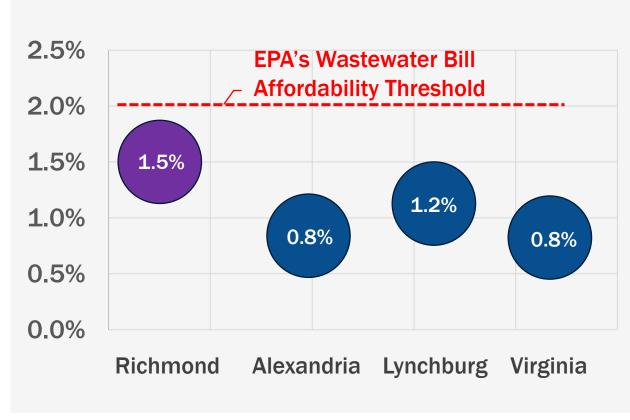
The City's Current Financial Capability

Richmond's Wastewater rates are already among the highest in the Commonwealth due to significant past investments in CSO Control

Median Household Income (MHI)



Annual Wastewater Bill Percentage of MHI



*Richmond's annual wastewater bill based on an average usage of 7ccf/month

Next Steps in 2026



Continue to advance Interim Plan projects through construction



Final Plan: Advance construction of CSO-031 storage tank and CSO-024 partial separation



Final Plan: Complete detailed design of CSO-012 Storage Tank and advance to construction



Final Plan: Award a Fixed-Price Design-Build contract for the Canoe Run Park Storage Tank project – second largest Final Plan project



Final Plan: Procure design services for the Shockoe Retention Basin high-rate disinfection project – the largest Final Plan project



General Assembly Annual Report



From the desk of Scott Morris Director City of Richmond Department of Public Utilities 730 East Broad Street, 6th Floor, Richmond, VA 23219

November 1, 2025

The Honorable Michael Rolband, Director Virginia Department of Environmental Quality (VADEQ) 1111 East Main Street, Suite 1400, Richmond, VA 23219

Subject: City of Richmond 2025 Combined Sewer System General Assembly Report

Dear Director Rolband:

In accordance with the State Water Control Board Enforcement Action Amendment to the Special Order by Consent (Consent Order), and the Acts of Assembly Chapter 634, the City of Richmond (City) is pleased to submit this report on the efforts undertaken to address the combined sewer system (CSS) Interim and Final Plans. This report demonstrates that the City will meet its regulatory obligations, and in doing so, will provide central Virginia with costeffective engineered solutions that will further protect and enhance the vitally important James River and the environment

The City is conducting ongoing operation and maintenance (O&M) activities, implementing projects identified in the Interim Plan, and moving forward with implementation of the projects identified in the approved Final Plan, as required by the Consent Order and Chapter 634 (2020) Acts of Assembly). The concurrent nature of these activities requires a significant amount of City resources. Despite ongoing workforce and logistical/supply chain challenges the City continues to advance these major projects to improve and protect the James River.

This 2025 General Assembly Report provides updates on:

- Interim Plan implementation
- Final Plan implementation
- Other ongoing CSS Capital Improvement and O&M Clean Water projects
- Community engagement and outreach
- · Costs and funding sources

ARPA Grants: \$150M Remaining \$53M Spent \$97M

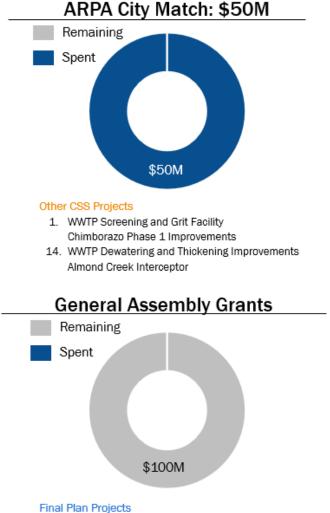
All 10 Interim Plan Projects

Final Plan Projects

- 3. Gillies Creek #1 Storage Facility
- 4. Hilton Street #1 CSO-024 Separation

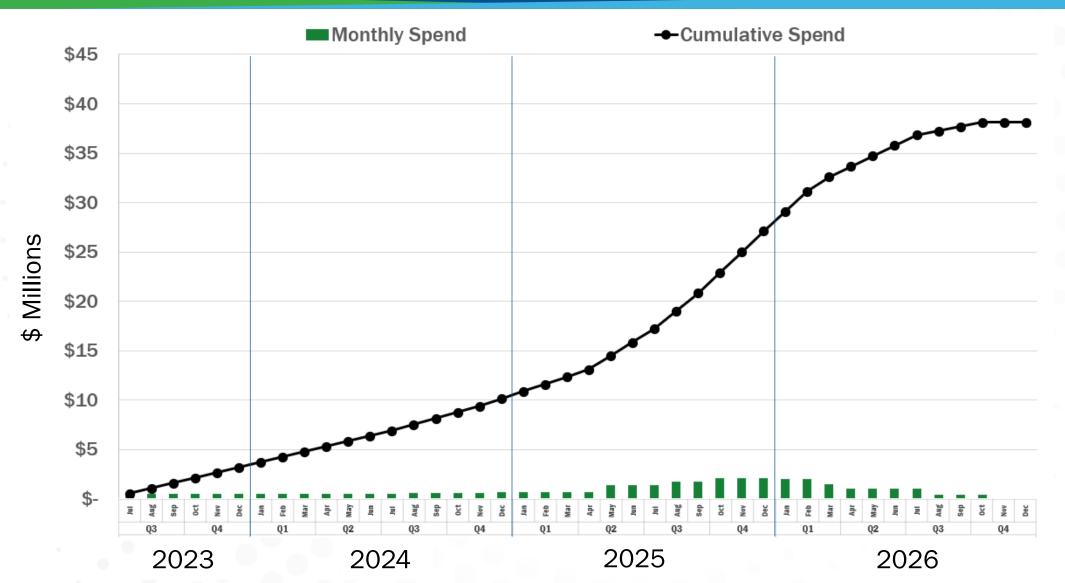
Other CSS Projects

- 5. Shockoe Retention Basin Roof Repairs
- 7. Outfall 006 Regulator Improvements
- 8. Hampton PS Improvements
- 9. Dock Street PS Improvements
- 10. CSO-005 Regulator Replacement
- 12. CSO-024 Partial CSS Separation
- 13. WWTP Main PS Improvements



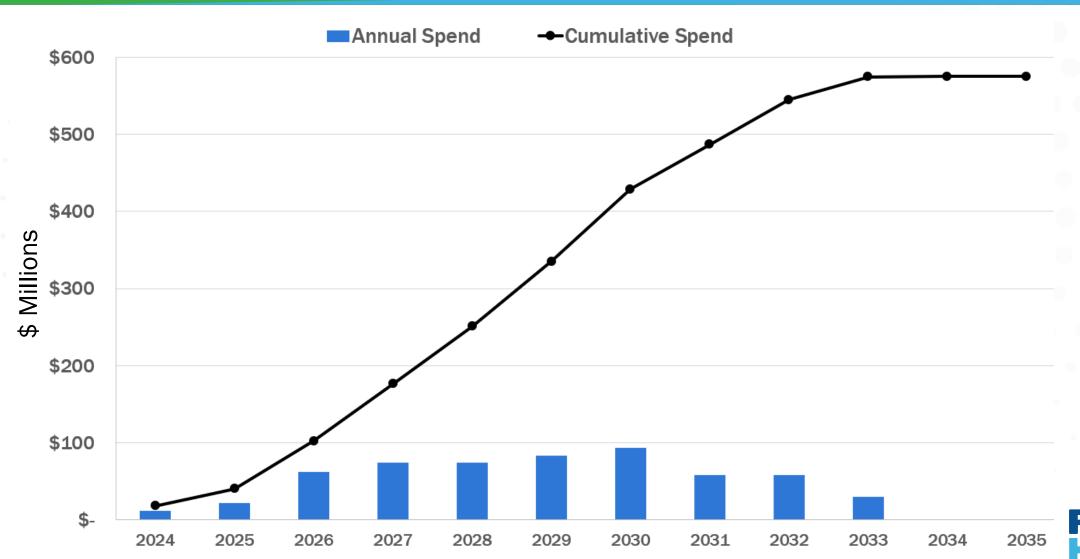
- Shockoe #1 HRD Facility
- Southside #1 Storage Facility

General Assembly Annual Report – Interim Plan Estimated Spending





General Assembly Annual Report – Final Plan Estimated Spending

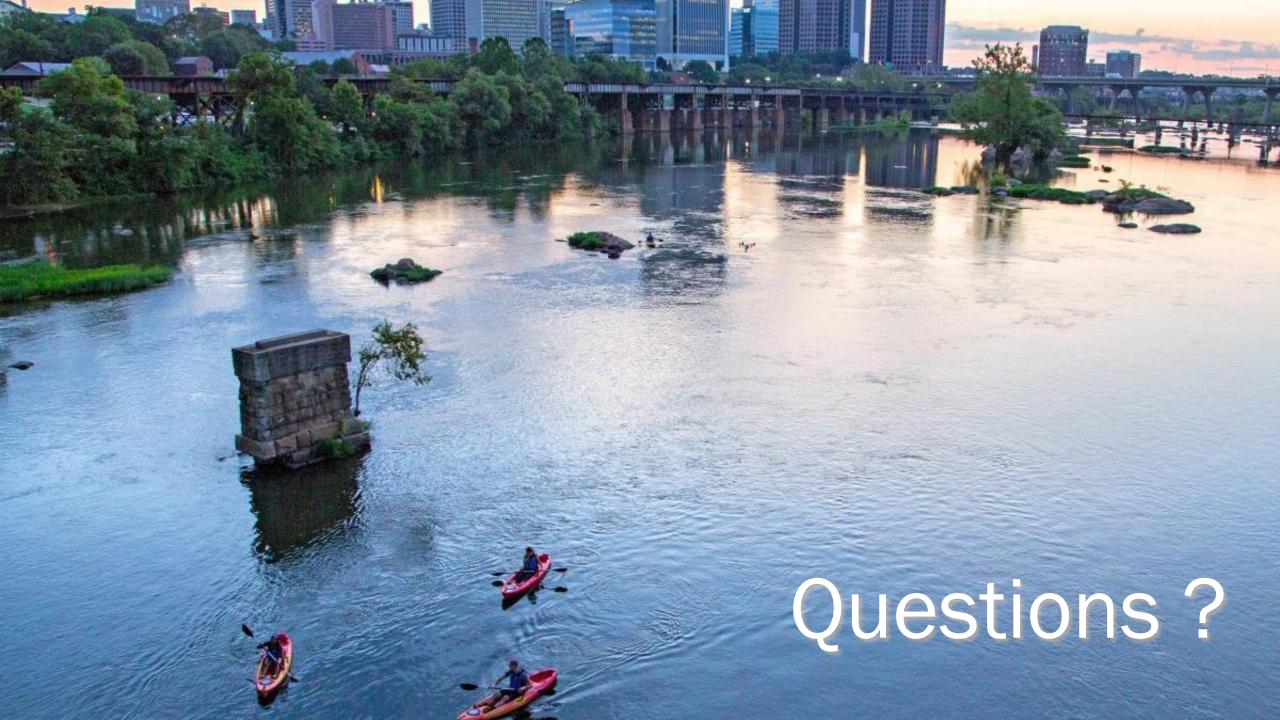




State Funding Needed to Meet State Mandate

Funding timeline for General Assembly Sessions FY2025 through FY2030

Fiscal Year	Requested Amount	Appropriated Amount to Date	Purpose (Funds Set Aside)
FY 2025/2026	_	\$100M	Design & Construction of Canoe Run Park Storage Tank
FY 2027	\$100M	_	Design/Construction of Shockoe HRD Facility
FY 2028	\$100M	_	Design/Construction of Shockoe HRD Facility
FY2029	\$100M	_	Design/Construction of Shockoe HRD Facility
FY2030	\$100M	_	Design/Construction of Shockoe HRD Facility
TOTAL	\$400M	\$100M	



Audit Updates

Total Open: (17) Total Closed: (28)

Audit#	Audit Report Name	High Open	High Closed	Medium Open	Medium Closed	Low Open	Low Closed
2021-08	Wholesale Water Contracts	0	0	0	1	0	0
2022-12	Continuous Auditing	0	0	0	1	0	0
2023-02	DPU Contract Compliance	0	1	1	3	0	3
2023-09	DPU Billing and Collections	0	1	1	4	0	1
2025-03	Citywide Warehousing & Inventory Management: DPU Main Warehouse (Phase 1)	0	4	1	3	1	4
2025-05	Citywide Warehousing & Inventory Management: DPU Wastewater Treatment Plant Warehouse (Phase 2)	5	1	5	1	3	0
Total		5	7	8	13	4	8