



AlexRenew

Overview of RiverRenew

Metropolitan Washington Council of Governments
Water Resources Technical Committee

January 12, 2024

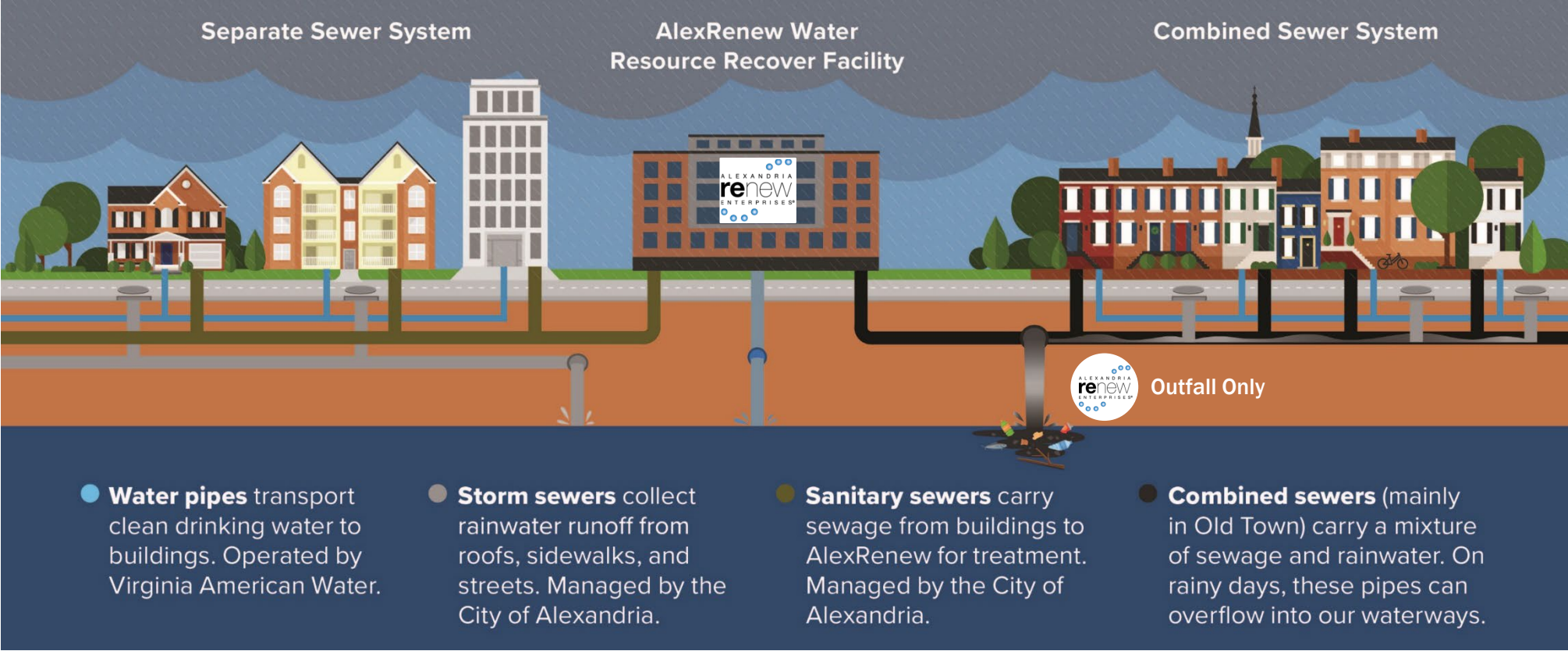




AlexRenew

- Purifies 13 billion gallons of wastewater at its facility each year
- Serves over 300,000 customers in Alexandria and Fairfax County
- Invests over \$50M annually to protect waterways and the Chesapeake Bay
- Independent political subdivision
- Governed by a 5-member citizen Board

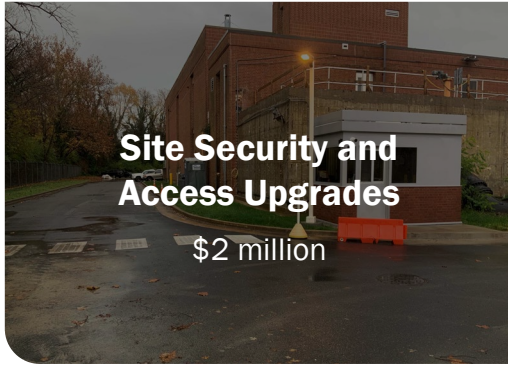
Alexandria is served by both a separate and combined sewer system



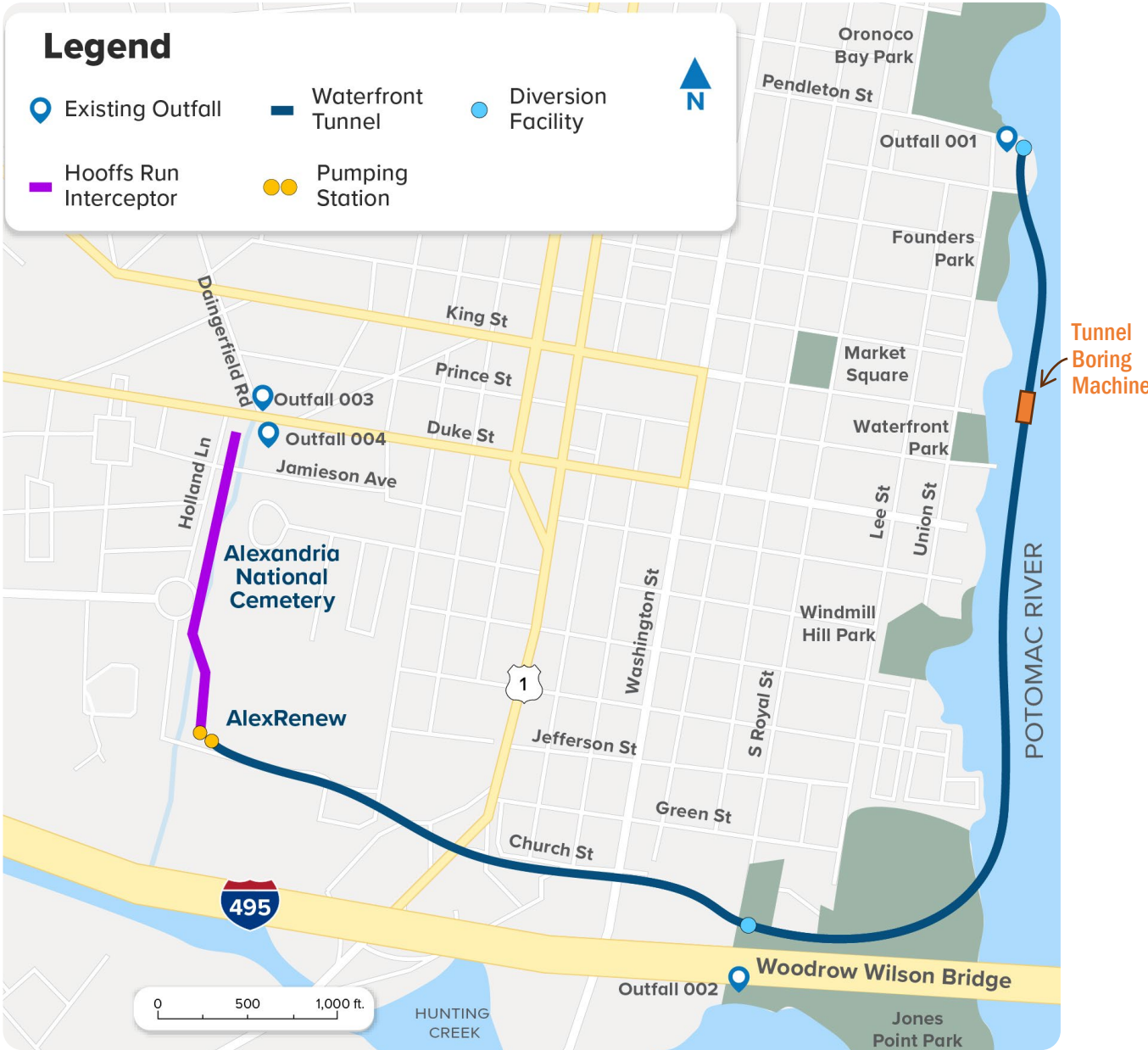
The evolution of RiverRenew



RiverRenew includes wastewater upgrades and tunnel construction

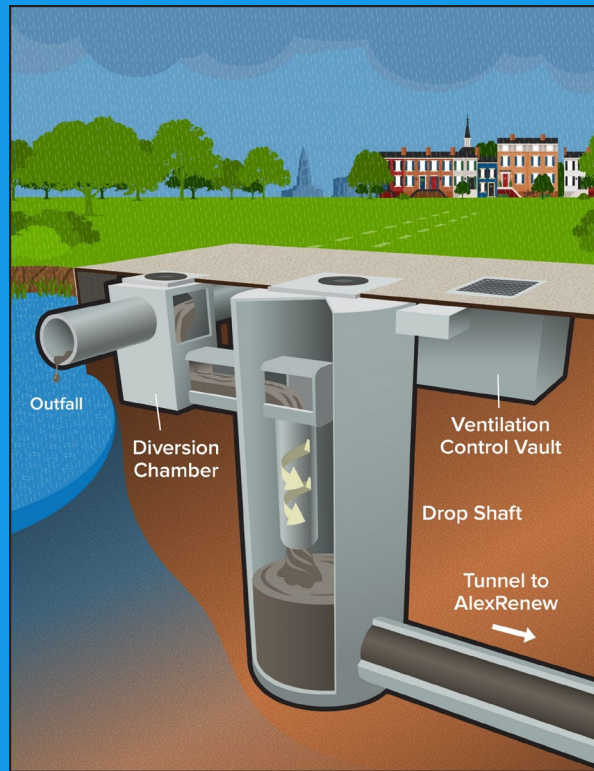
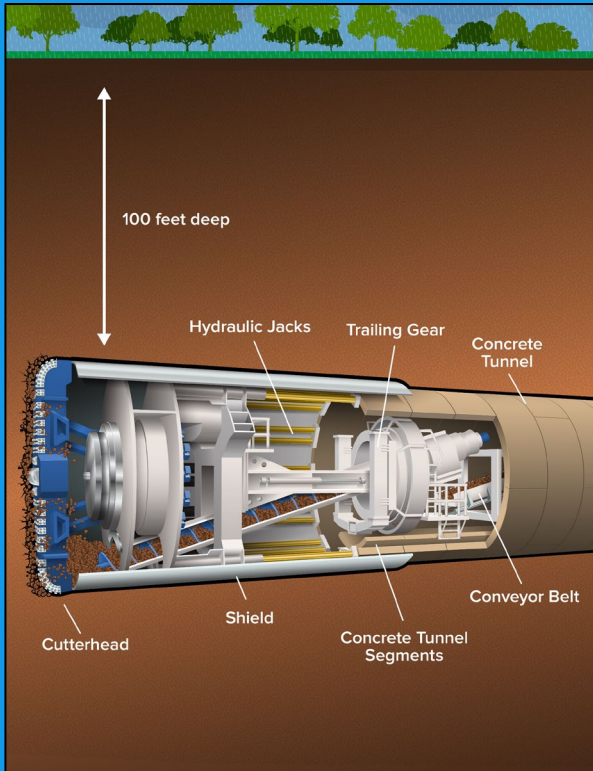


Values representative of capital costs

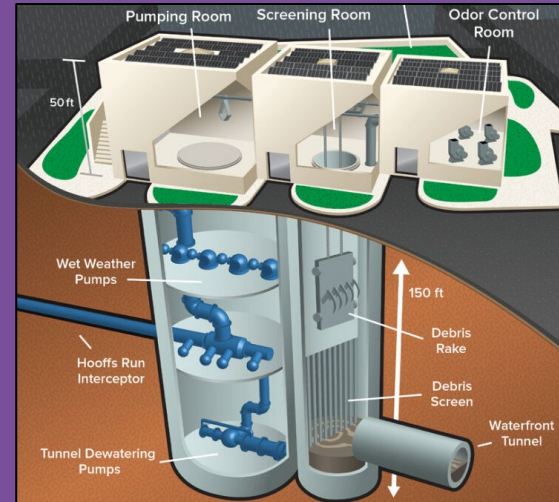


Major project components currently under construction

Waterfront Tunnel and Diversion Facilities



Pumping Stations and Superstructure



Hooffs Run Interceptor

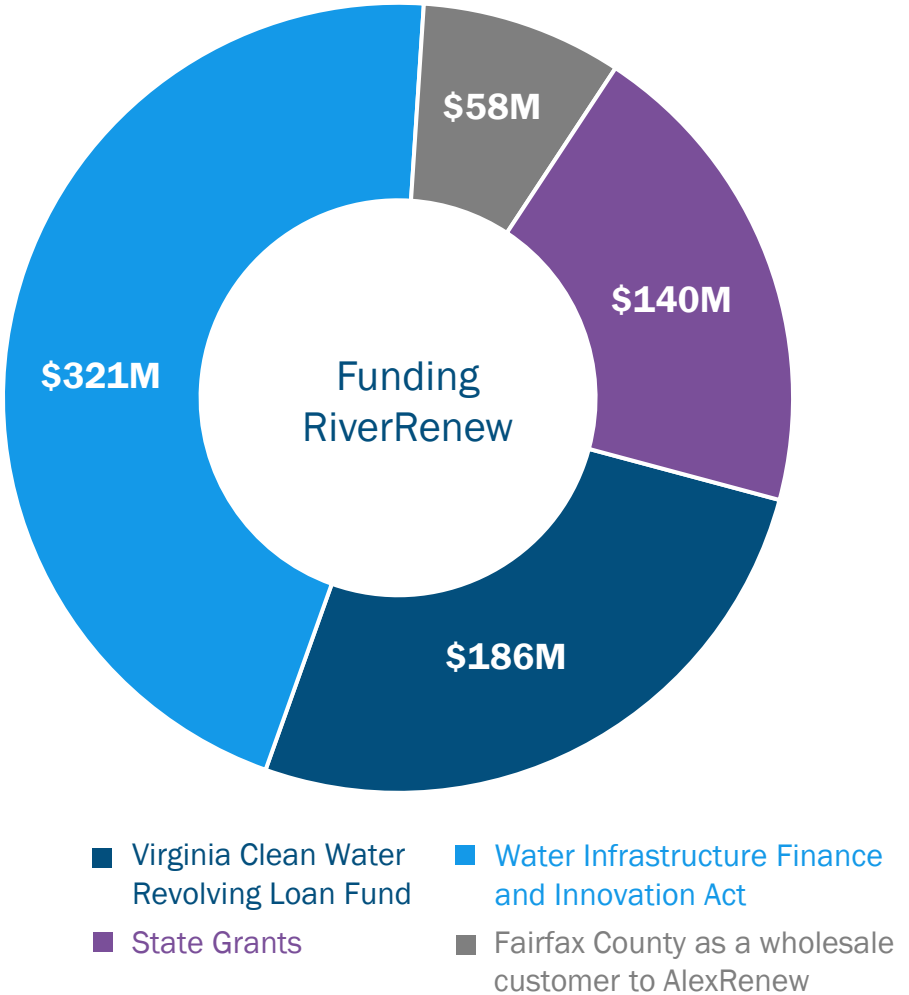


Current project schedule

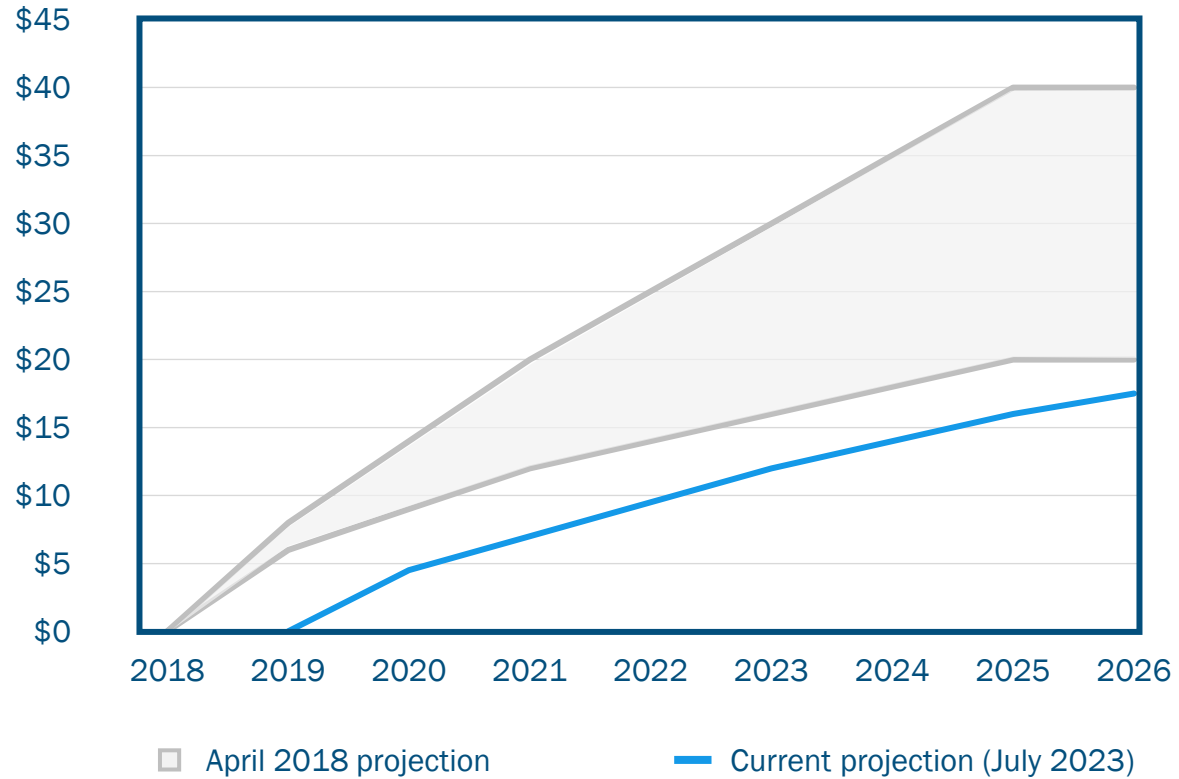
Component	2019	2020	2021	2022	2023	2024	2025	
Wastewater Projects	[Green bar spanning 2019-2021]							
Pumping Stations and Superstructure			[Purple bar spanning 2021-2025]					[Orange bar in 2025]
Waterfront Tunnel and Diversion Facilities				[Blue bar in 2022]	[Hatched bar labeled "Waterfront Tunnel" in 2023]	[Blue bar in 2024]		
Hooffs Run Interceptor				[Dark blue bar spanning 2022-2024]				

Delay

RiverRenew is largely funded from clean water loans through EPA and Virginia



Projected sewer bill impacts associated with RiverRenew

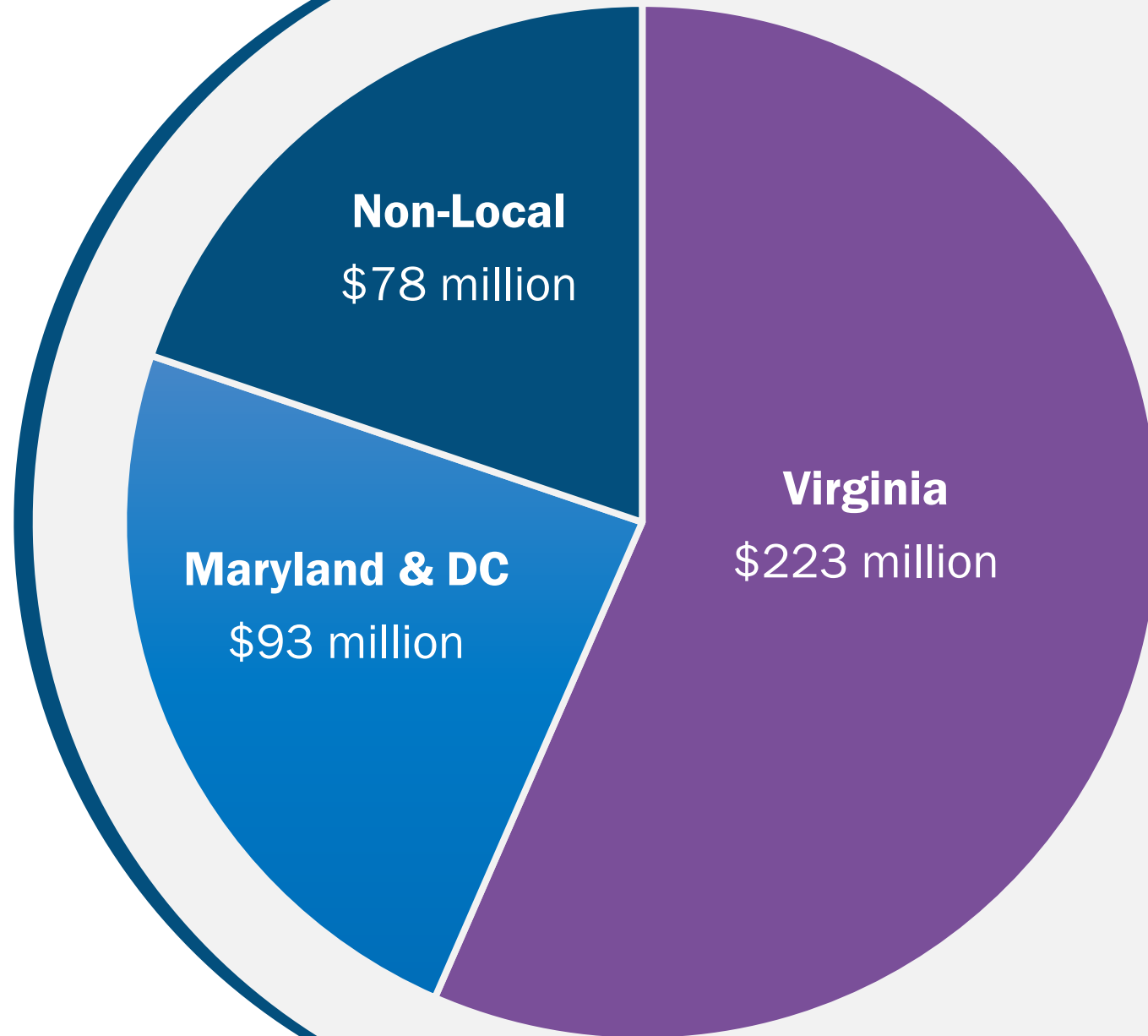


RiverRenew Spending in Virginia

through Dec 2023

To date, \$394 million has been spent on RiverRenew

Over half of this expenditure has been invested in Virginia





RiverRenew is 65% complete

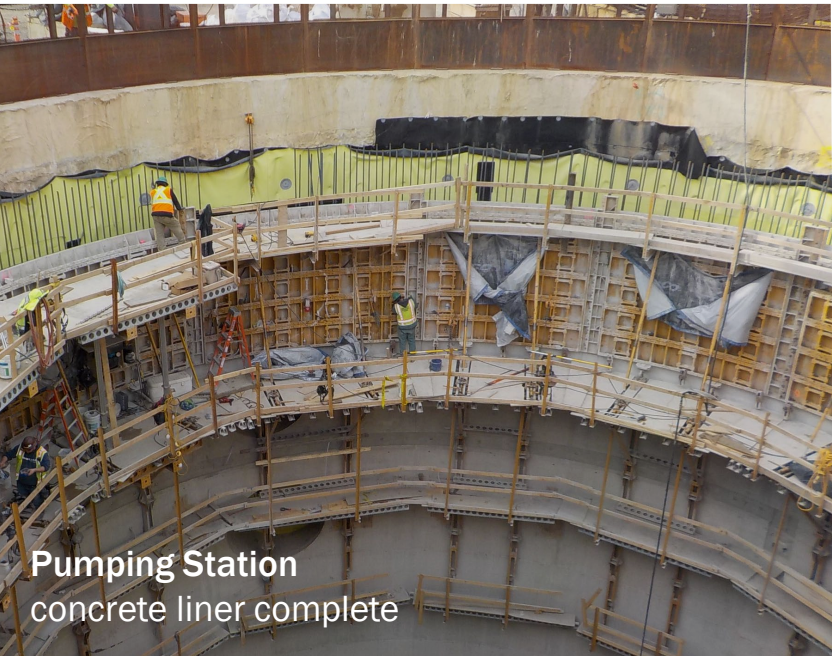
Outfall 001
shaft excavation and concrete liner complete



Waterfront Tunnel
- 9,400 feet
- 2,100 rings
- 100,000 tons of soil excavated



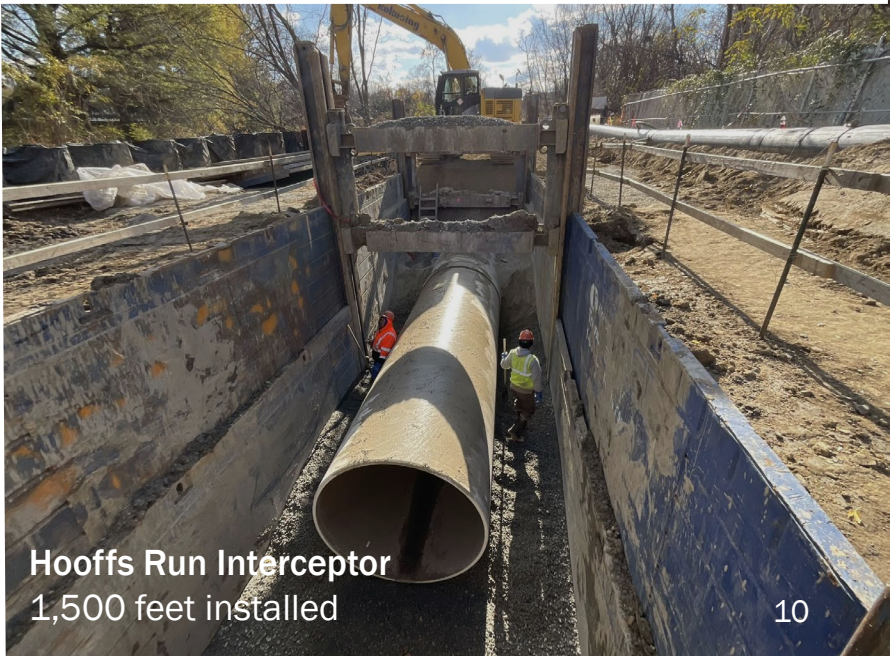
Outfall 002
shaft excavation complete



Pumping Station
concrete liner complete



Diversion Chamber
concrete work complete



Hooffs Run Interceptor
1,500 feet installed

Community interest and support has been a highlight of the project



Legislation will be introduced in the 2024 General Assembly to extend the project's statutory deadline by one year to July 1, 2026



December 2021

COVID-19 outbreak in TBM factory delayed manufacturing

Four-week delay



January 2022

Concrete shortage for shaft slurry walls due to COVID-19 related impacts to supply chain

Six-week delay



February 2022

Shipment delayed from Germany to the U.S. due to war in Ukraine

Four-week delay



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