



Combined Sewer System Program Update

Organizational Development Standing Committee
April 1, 2024



Combined Sewer System Regulations

2020
CSO Law



Amended
Existing Special
Order by Consent

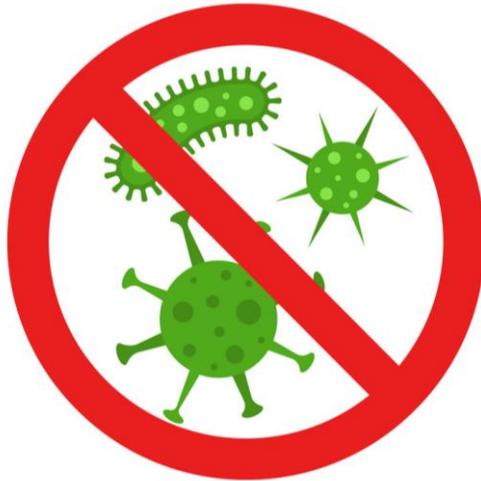


Interim Plan
Final Plan



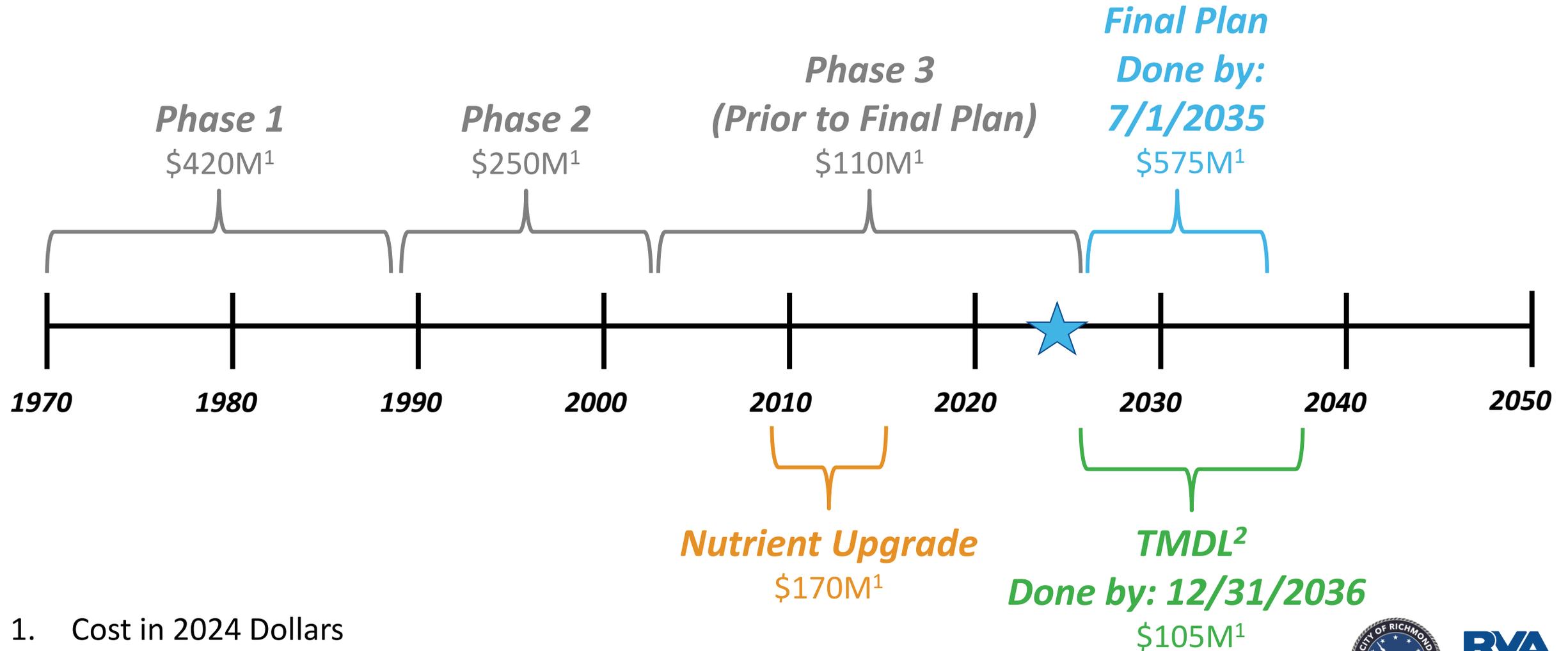
Final Plan Purpose

Reduce bacteria sent to James River



Combined Sewer System Investment Timeline

City has been improving water quality since 1970



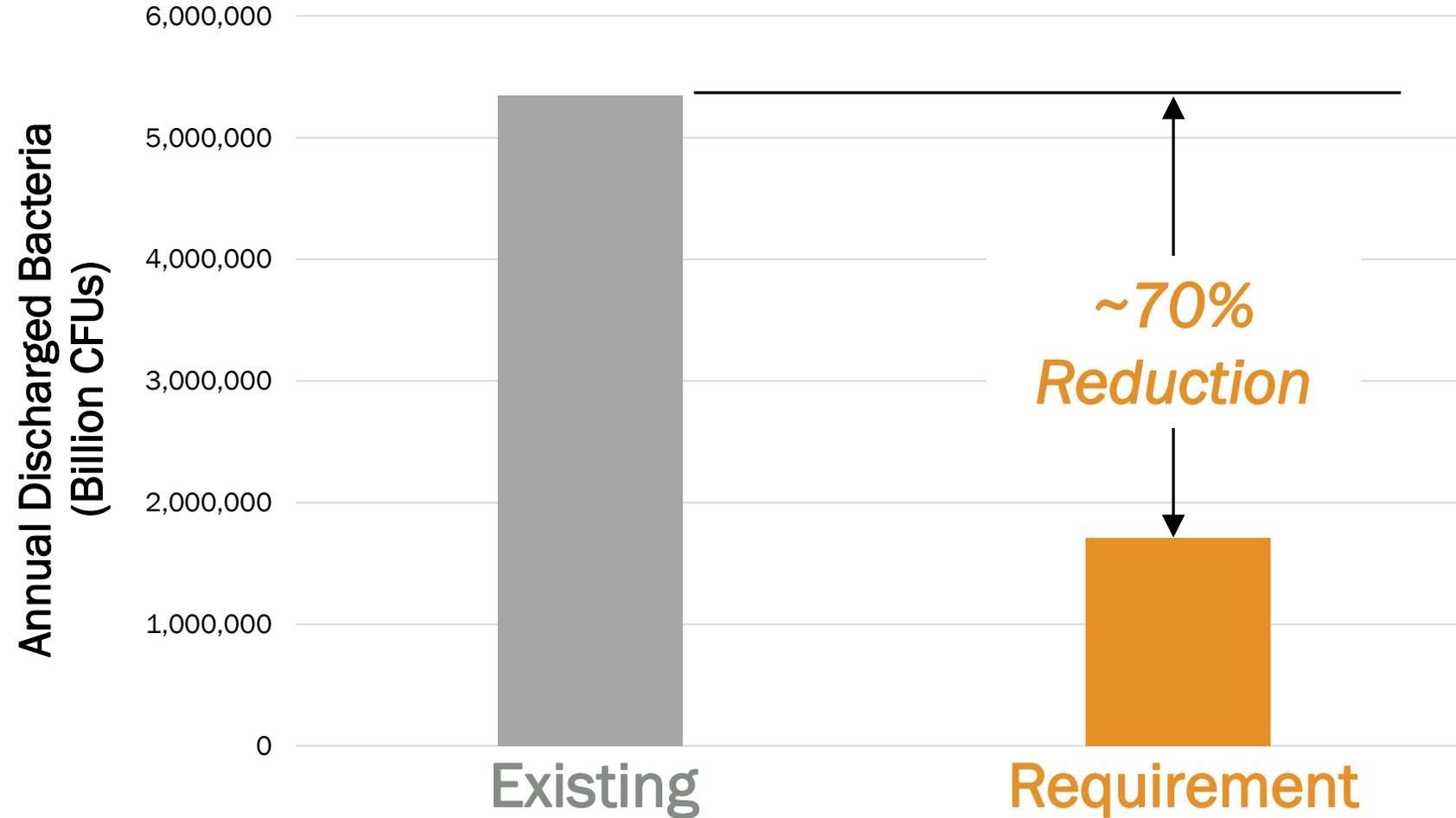
1. Cost in 2024 Dollars

2. James River Bacteria TMDL (Total Maximum Daily Load)

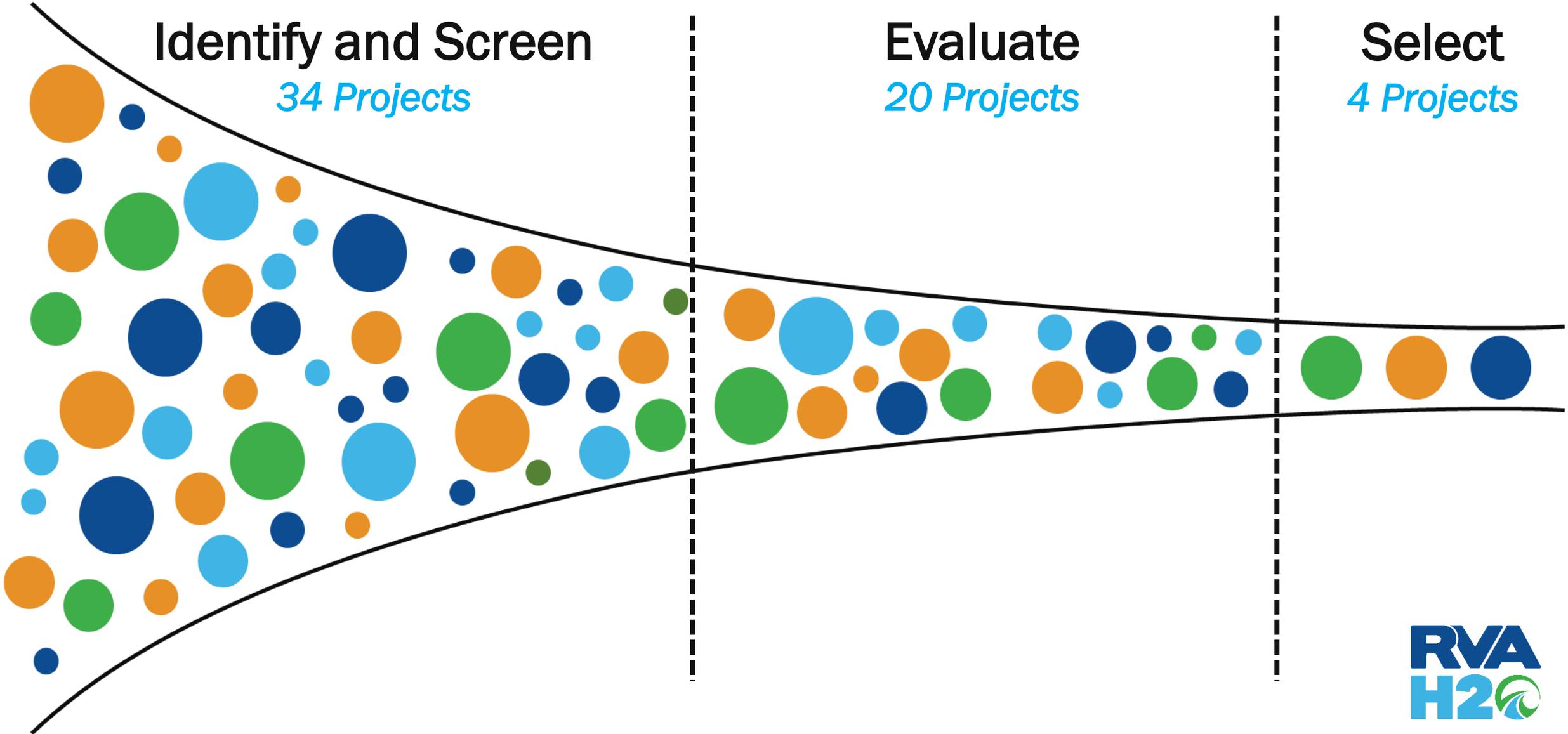


Bacteria Reduction for the James River

We need to reduce bacteria load by 70% by 2035



Final Plan Project Selection



Projects Recommended to DEQ



Decreasing Cost-Effectiveness



Projects Recommended to DEQ



James River

High - Rate
Disinfection
(Shockoe
Sewershed #1)

CSO 031
Storage Tank
DEQ ARPA
(Gillies Creek
Sewershed #1)



Gillies Creek

Canoe Run Storage Tank
(Southside #1)

CSO 012
Separation
DEQ ARPA
(Hilton Street
#1)



Almond Creek

Legend

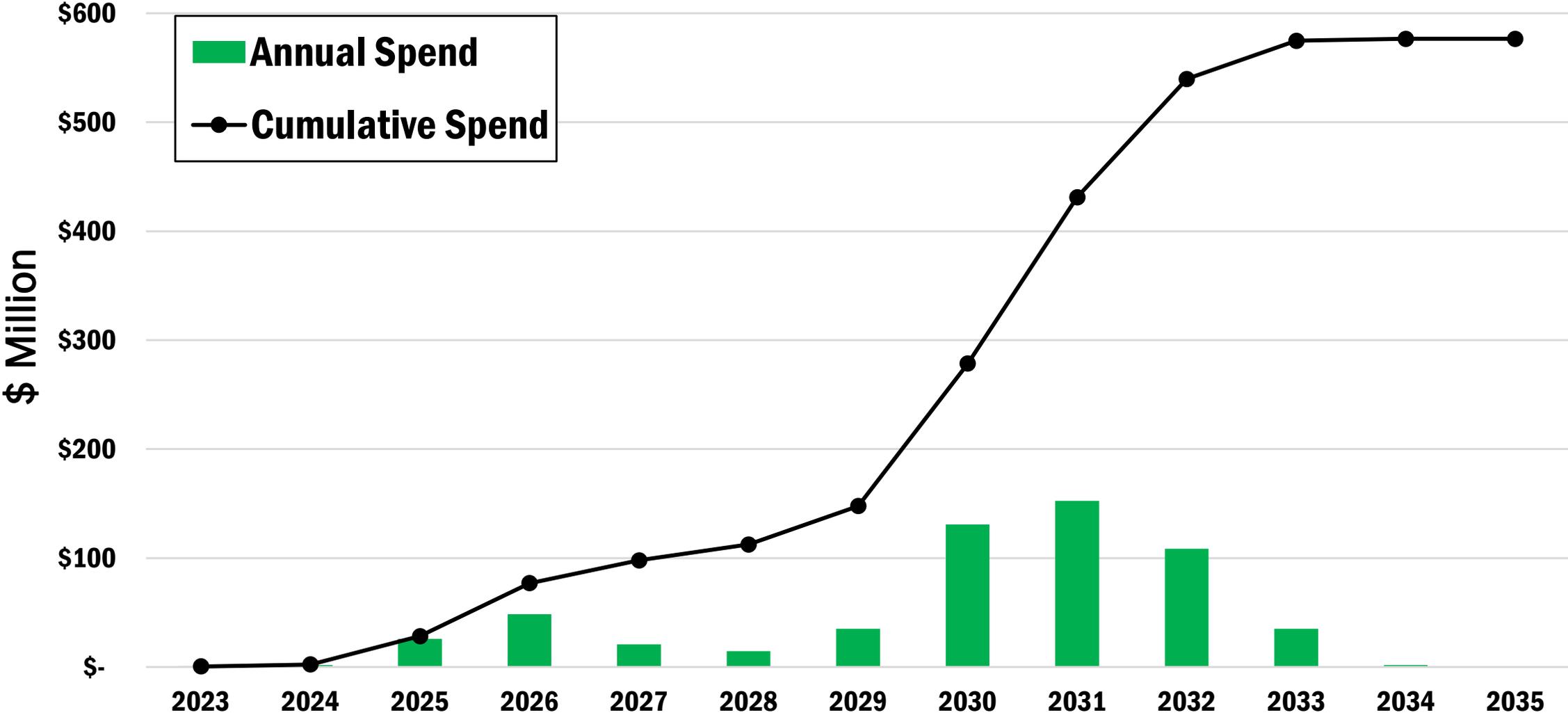


Final Plan Project



TMDL Project
(Total Maximum Daily Load)

Financial Impacts



Advocacy Is Needed from City Council

Our Immediate Needs:

- ❑ *Advocacy for Grant Funding! Work with Office of Intergovernmental Affairs*

A RESOLUTION No. 2022-R025

To express the City Council's support for highly prioritizing appropriations for the construction of combined sewer system plan projects by July 1, 2035, to improve water quality in the James River in a financially sustainable manner.

Patrons – Mayor Stoney, Ms. Lambert, Ms. Jordan, Mr. Jones and Ms. Nye

Approved as to form and legality
by the City Attorney

PUBLIC HEARING: MAY 9 2022 AT 6 P.M.

WHEREAS, the water quality of the James River is vital to the City's environmental and public health, recreation, tourism, and economy; and

WHEREAS, the City's combined sewer system, hereinafter referred to as the "CSS," built in the late 1800s, carries both storm water and sanitary sewer water to the City wastewater treatment plant from approximately 19 square miles of the city, a combined sewer system area comparable to that of Washington, D.C.; and

WHEREAS, under dry weather conditions, the City's CSS adequately handles storm water and sanitary water, but during significant rain events, the combined sewer system overflows; and

WHEREAS, the City has spent \$315,000,000.00 on CSS improvements over several decades to reduce combined sewer overflows, hereinafter referred to as "CSOs," by 3,100,000,000

AYES: 9 NOES: 0 ABSTAIN: _____

ADOPTED: Jun 13 2022 REJECTED: _____ STRICKEN: _____

Sep 7, 2023 - News

Virginia budget leaves out money to stop waste from flowing into James River

ALERT TOP STORY
BUDGET AGREEMENT
Richmond sewer overflow funding dropped in state budget agreement
Dave Resz Sep 5, 2023 28

Ned Oliver

State funding for Richmond sewer project stripped out of budget deal

'Everybody doesn't get everything they want'

BY CHARLIE PAULLIN - SEPTEMBER 6, 2023 6:32 PM



Illustration: Alice



COMBINED SEWER OVERFLOW NOTICE
This is a combined sewer overflow location for 19th and Deck Streets Outfall No. 246. Combined stormwater and sanitary sewage may be discharged into the James River at this location during or after heavy or long rain events. Following such events persons should avoid contact with the water in the vicinity of this location because there is a risk of contamination.

Division of Wastewater Management of the City of Richmond

A combined sewer overflow outfall on the James River near downtown Richmond. (Sarah Vogelsong / Virginia Mercury)

ush for funding for combined sewer overflow projects.



A Cleaner James River for ALL

Public Health, Recreation, Tourism, Economy

