

DC WATER'S GREEN INFRASTRUCTURE PLAN

faster

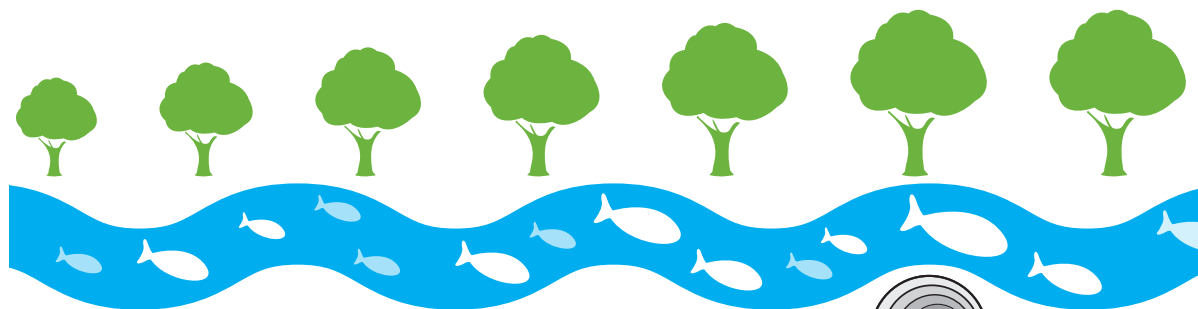
\$100 million investment in green infrastructure and sewer separation will provide water quality improvements for the Potomac River and Rock Creek beginning in 2015. The existing plan provides no benefits until 2025.

better

Implementing green technologies like rain gardens, green roofs and porous pavement will reduce the scale of the tunnels and provide additional benefits like reduced stormwater, improved air quality, and habitat enhancements.

stronger

Additional time to complete the Potomac River tunnel and implement green infrastructure will build stronger communities by reducing the scale and duration of construction, easing the burden on DC Water ratepayers who are financing the \$2.6 billion federally-mandated project, supporting local green jobs, and improving quality of life through additional green space.



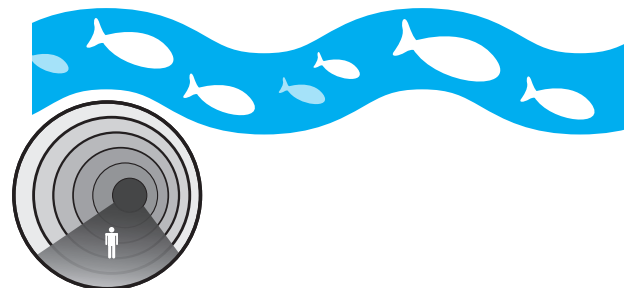
GREEN INFRASTRUCTURE. Benefits and cleaner water begin in 2015. Reduced scale tunnel construction completed in 2030.

2015

2030

OR

NO GREEN INFRASTRUCTURE. Cleaner water begins only after full scale tunnel construction in 2025.



2025

background

Under the terms of a federally mandated consent decree, DC Water is implementing the \$2.6 billion Clean Rivers Project. The first phase of the project is underway and involves constructing a massive underground tunnel system to control combined sewer overflows to the Anacostia River. These overflows, which currently discharge about 1.5 billion gallons of diluted sewage to the Anacostia in an average year, will be reduced by 98 percent when the tunnel system is completed in 2022. The later phases of this plan include construction of similar tunnels to control overflows into the Potomac River and Rock Creek.

Since 2010, DC Water has explored the use of green infrastructure as a tool to reduce combined sewer overflows in the later stages of the Clean Rivers Project affecting the Potomac River and Rock Creek. Green infrastructure technologies mimic natural processes by capturing, slowing, and cleaning stormwater before it enters DC Water's combined sewer system. There is growing evidence that green infrastructure technologies like green roofs, porous pavement and rain gardens would provide greater benefits to the community than the previously planned underground storage and conveyance tunnels for the Potomac River and Rock Creek.

DC WATER'S GREEN INFRASTRUCTURE PLAN *continued*

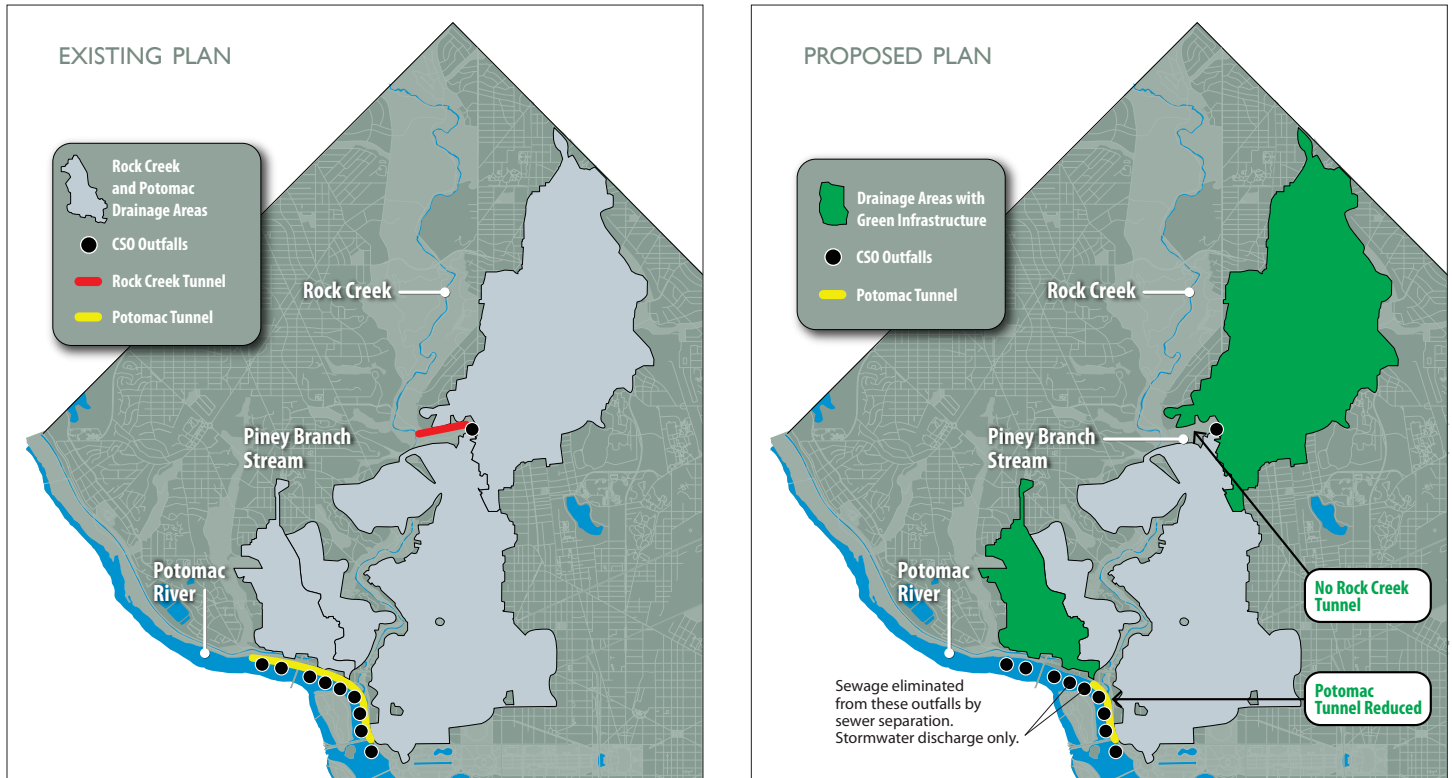
proposal

The existing plans for the Anacostia River tunnels remain unchanged, but DC Water proposes including green infrastructure as part of the solution to combined sewer overflows in the Rock Creek and Potomac River drainage areas.

For Rock Creek, DC Water is proposing eliminating the planned Rock Creek tunnel and replacing it with \$60 million of green infrastructure. Implementation would begin in 2015 and be completed by 2032.

For the Potomac River, DC Water is proposing \$30 million of green infrastructure that would begin to be installed in 2016 and be completed by 2028. The green infrastructure investment, combined with new upgrades to the wet weather treatment capacity at DC Water's Blue Plains facility, will allow the previously planned underground tunnel along the Potomac River to be reduced in size. The smaller tunnel would be completed in 2030. In addition, \$10 million would be invested to separate portions of the combined sewer system.

ROCK CREEK AND POTOMAC RIVER CSO CONTROLS



benefits

There are many reasons why DC Water believes its proposal is an improvement from the existing plan. Green infrastructure offers environmental, social, and economic benefits that would not be realized with only tunnel construction. Green infrastructure can increase property values, beautify neighborhoods, cool extreme summer temperatures, support natural habitat, create local green jobs, and enhance public space.

DC Water's proposed schedule for green infrastructure implementation and construction of the reduced size Potomac River tunnel also helps reduce the impact of construction on neighborhoods and allows sufficient time for required construction approvals. Moreover, the revised schedule will help ease the financial burden on ratepayers responsible for financing the \$2.6 billion project.

Green infrastructure would allow the District to enjoy water quality benefits in the Potomac and Rock Creek as early as 2015, well before the 2025 date in the existing plan.



support

Please provide your feedback to help us ensure that this once in a generation investment in the District is done right. For more details on our proposal and to submit comments please visit: dcwater.com/green