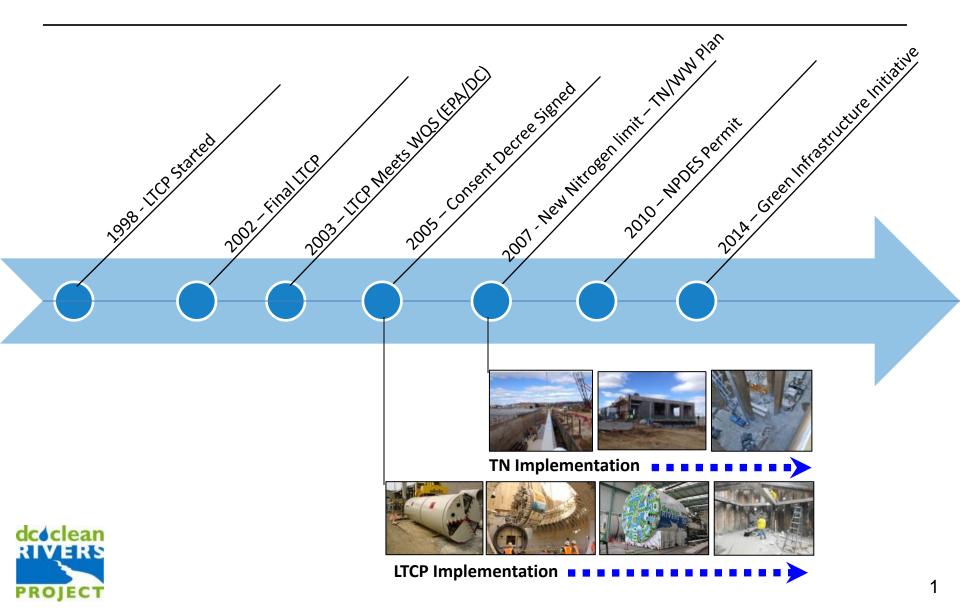
Timeline





Tunnel Mining Site at Blue Plains



TBM Fabrication



Slurry Wall Construction

•DC CLEAN RIVERS PROJECT: \$2.6 BILLION

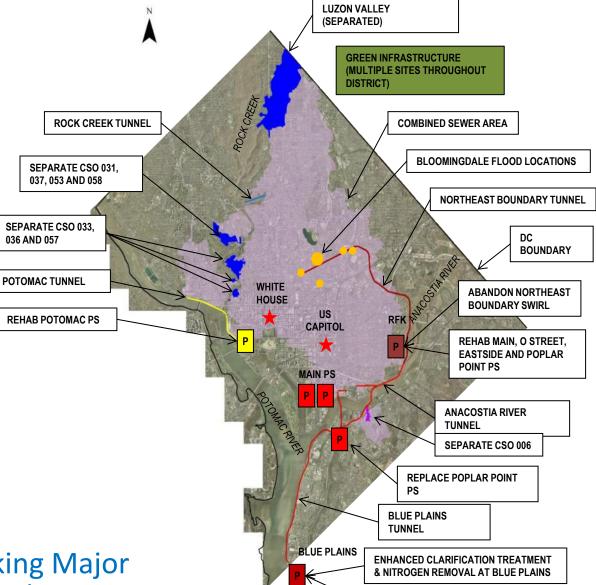
•FLOOD RELIEF IN NORTHEAST BOUNDARY

•NITROGEN REMOVAL: \$950 MILLION

•20 YR IMPLEMENTATION (2005 - 2025)

•TOTAL > \$ 3.5 BILLION

•96% REDUCTION IN CSO





DC Water is Making Major Investments Based on WQS Compliance Determinations

TUNNEL DEWATERING PS

Clean River Project has let more than <u>\$1.12 Billion</u> in Construction & Engineering Contracts

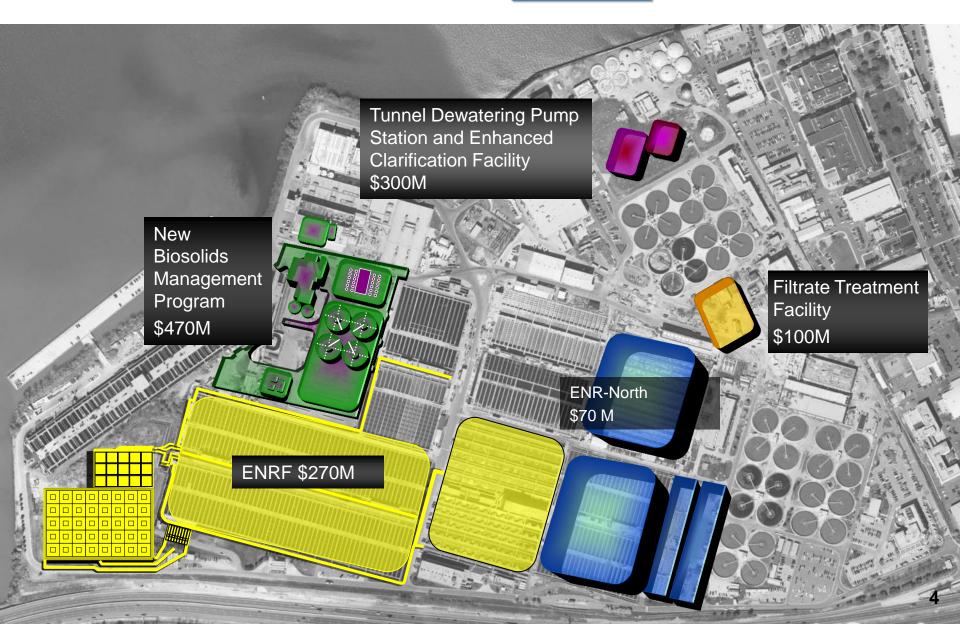


First St Tunnel

(Construction)

Northeast

DC Water has let more <u>\$740 M</u> in Contracts at Blue Plains for the TN/WW Plan (<u>\$1.12 B</u> with Biosolids)



Predicted CSO Reduction in Average Rainfall Year

Item	Anacostia River	Potomac River	Rock Creek	Total
CSO Overflow Volume (mg/avg.yr)				
• 1996 – DC Water formed	2,142	1,063	49	3,254
• 2013 – After Inflatable Dams & Pump Sta. rehab	1,282	639	49	1,969
• 2025 – LTCP in Place	54	79	5	138
% Reduction	98%	93%	90%	96%
# of Overflows/Average Year				
• 1996 – DC Water formed	82	74	30	
 2013 – After Inflatable Dams & Potomac Sewage Pump Sta. rehab 	75	74	30	
• 2025 – LTCP in Place	2	4	1/4 ¹	

Notes:

1. One overflow/avg. yr at Piney Branch (major CSO), 4 overflows/avg. yr at other small Rock Creek CSOs

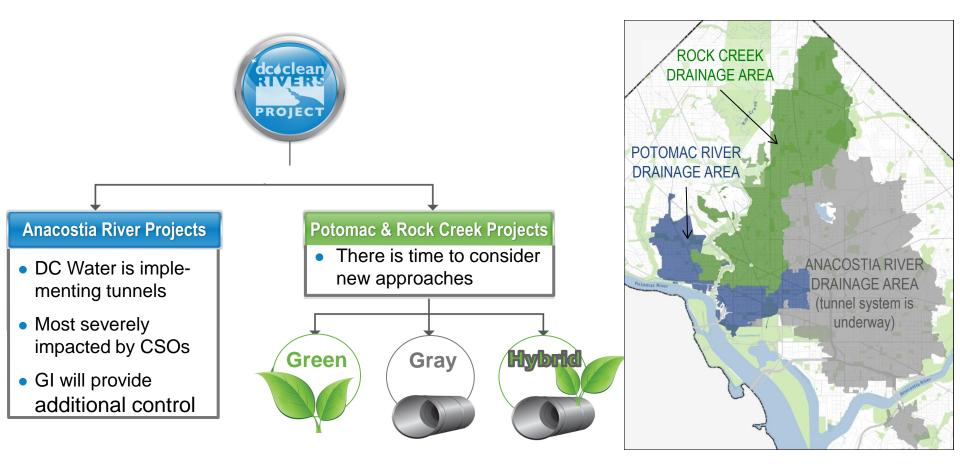


DC Water's Consent Decree Compared to Other Recent Decrees

	LTCP Time		Annual Overflow Volume (MG)		
City	Frame (years)	Consent Decree w/ Green?	Before LTCP (MG)	After LTCP (MG)	% Reduction
Kansas City (WSD)	25	Yes; 2010	6,400	768	88%
Cleveland (NEORSD)	25	Yes; 2010	4,500	500	89%
New York (DEP)	25	State approved; 2012	30,000	TBD – City wide LTCP due 2017	TBD – City wide LTCP due 2017
Philadelphia (PWD)	25	State approved (State – 2011) (EPA Admin order – 2012)	10,307 to 15,873	5,100 to 7,900	50% ±
DC Water	20	Yes	3,254	138	96%



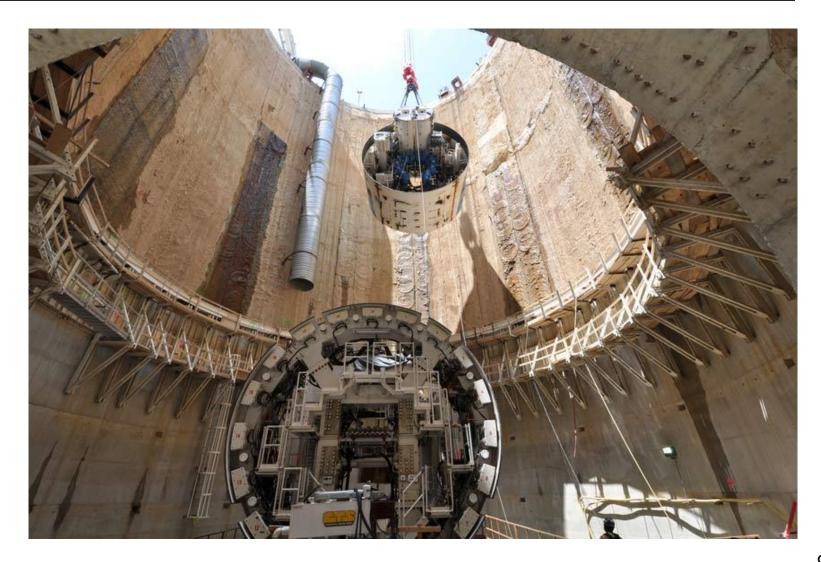
DC Water's Approach to Green Infrastructure









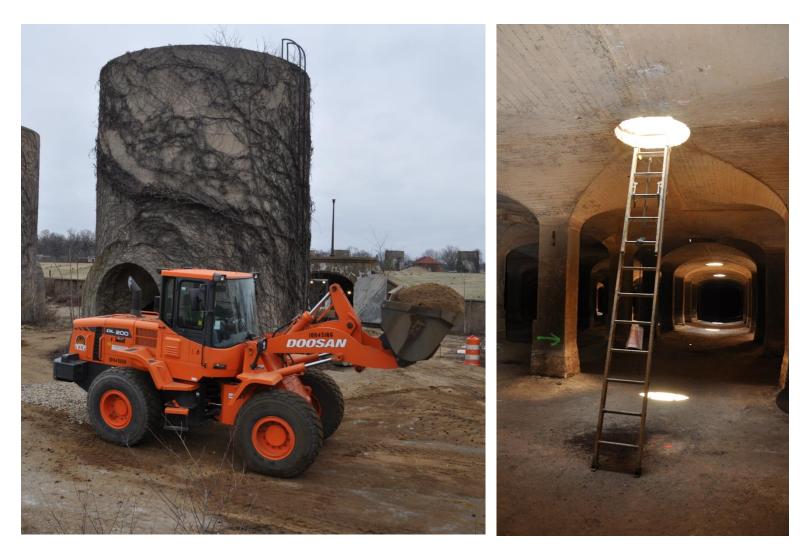








McMillan Sand Removal





Thermal Hydrolysis

PROJECT



12

ENR







