

JAMAICA BAY AND CSO TRIBUTARIES

Total Watershed Drainage Area: **50,708 acres**
 Combined Sewer Contributory Area: **6,600 acres**
 Combined Sewer Contributory Impervious Area: **5,478 acres**
 Opportunity Area for Source Controls: **3,809 acres**

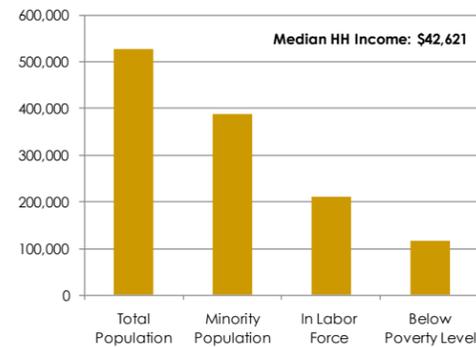
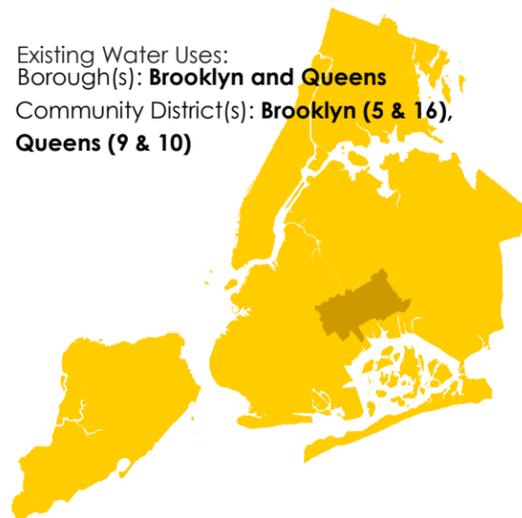
The goal is to manage stormwater from **10%** of the impervious surfaces in the combined sewer contributory area. There are opportunities in **58%** of the combined sewer contributory area.

Opportunities in Combined Sewer Contributory Area	Acres	% of Watershed
New development/redevelopment	275	4%
Vacant lots	231	4%
Right-of-way	1,809	28%
Planned ROW Projects	147	2%
Commercial corridors	54	1%
Other streets	1,096	17%
Other sidewalks	517	8%
Multi-family residential complexes	445	7%
Commercial development with parking lots	34	1%
Schools	145	2%
Parks	595	9%
Other public properties	275	4%
TOTAL	3,809	58%

Wastewater Treatment Plant(s):
 NYSDEC Classification(s):
 Ecological Classification(s):

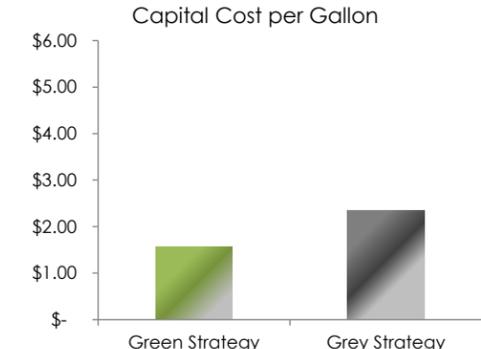
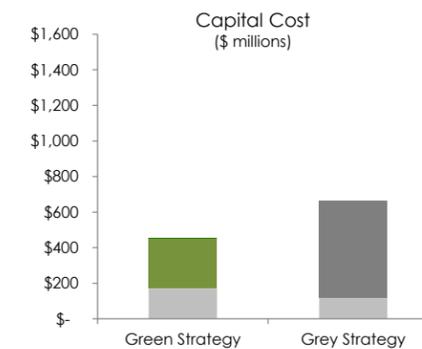
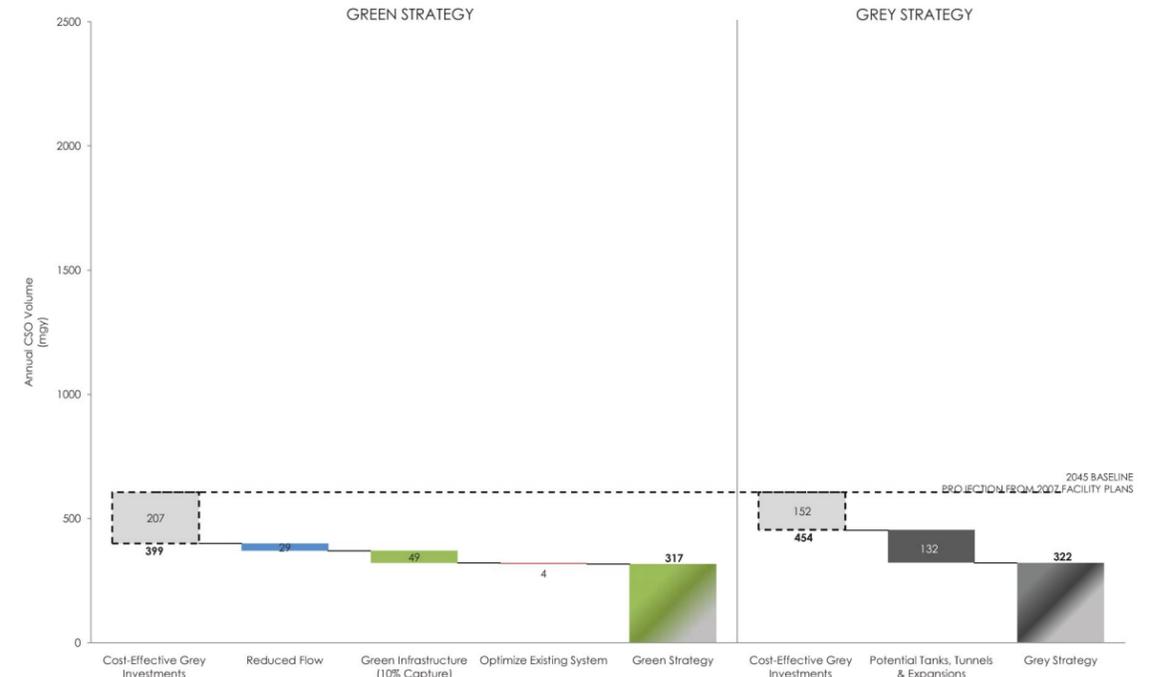
Rockaway and 26th Ward
Class I – Secondary Contact, Boating and Fishing Class SB – Primary & Secondary Contact, Fishing and Bathing
Critical Environmental Area, Significant Coastal Fish and Wild-life Habitat, Special Natural Waterfront Area, National Wildlife Refuge

Existing Water Uses:
 Borough(s): **Brooklyn and Queens**
 Community District(s): **Brooklyn (5 & 16), Queens (9 & 10)**



GREEN INFRASTRUCTURE PLAN

PERFORMANCE AND COSTS



	CSO Volume Reduction (MG/yr)	Capital Cost (\$M)	Capital Cost per Gallon
Cost-Effective Grey Infrastructure Investments —26th Ward Drainage Area Sewer Cleaning, Spring Creek CSO Facility Upgrade, Parallel Interceptor & Bending Weir	207	\$169	\$0.82
PLUS Reduced Flow	29	-	-
PLUS Green Infrastructure (10% Capture)	49	\$284	\$5.80
PLUS Tide Gate Repair and Interceptor Cleaning	4	\$0.12	\$0.03
Green Strategy Total	289	\$454	\$1.57
Cost-Effective Grey Infrastructure Investments*	152	\$119	\$0.78
PLUS Potential Tanks, Tunnels & Expansions	132	\$546	\$4.14
Grey Strategy Total	284	\$665	\$2.34

* Cost-Effective Grey Investments under the Grey Strategy do not include the interceptor and bending weir option (55 mg reduction) included under the Green Strategy, as they are not necessary with the 26th Ward WWTP wet weather expansion.

GREEN INFRASTRUCTURE PLAN

