

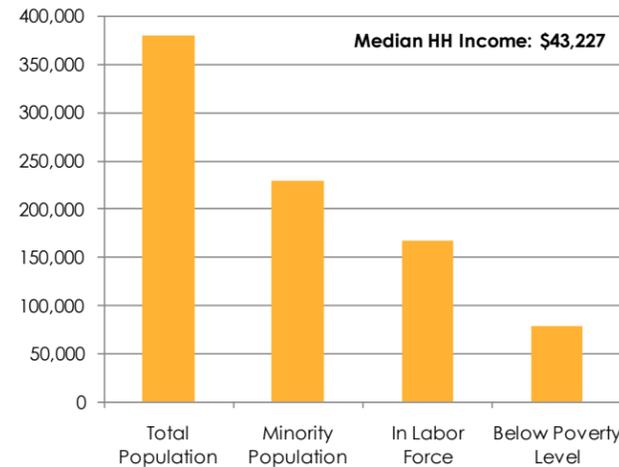
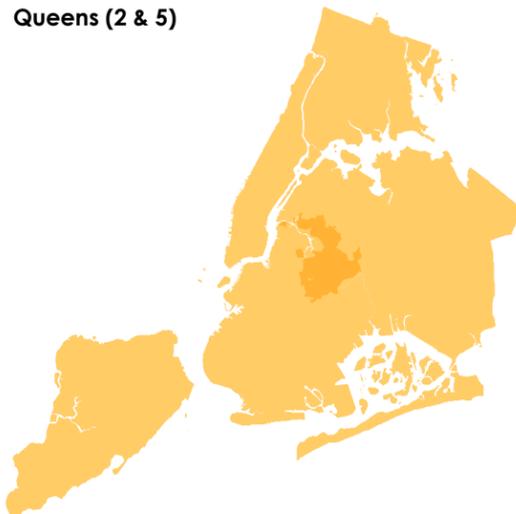
# NEWTOWN CREEK

Total Watershed Drainage Area: **7,441 acres**  
 Combined Sewer Contributory Area: **6,032 acres**  
 Combined Sewer Contributory Impervious Area: **4,524 acres**  
 Opportunity Area for Source Controls: **2,263 acres**

The goal is to manage stormwater from **10%** of the impervious surfaces in the combined sewer contributory area. There are opportunities in **47%** of the combined sewer contributory area.

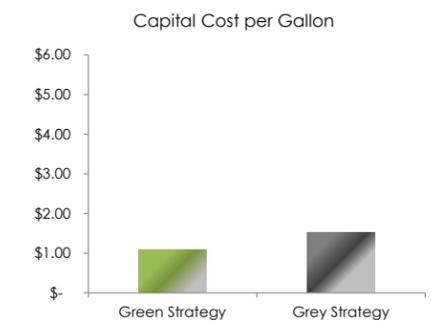
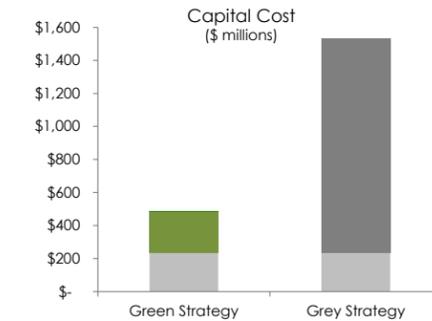
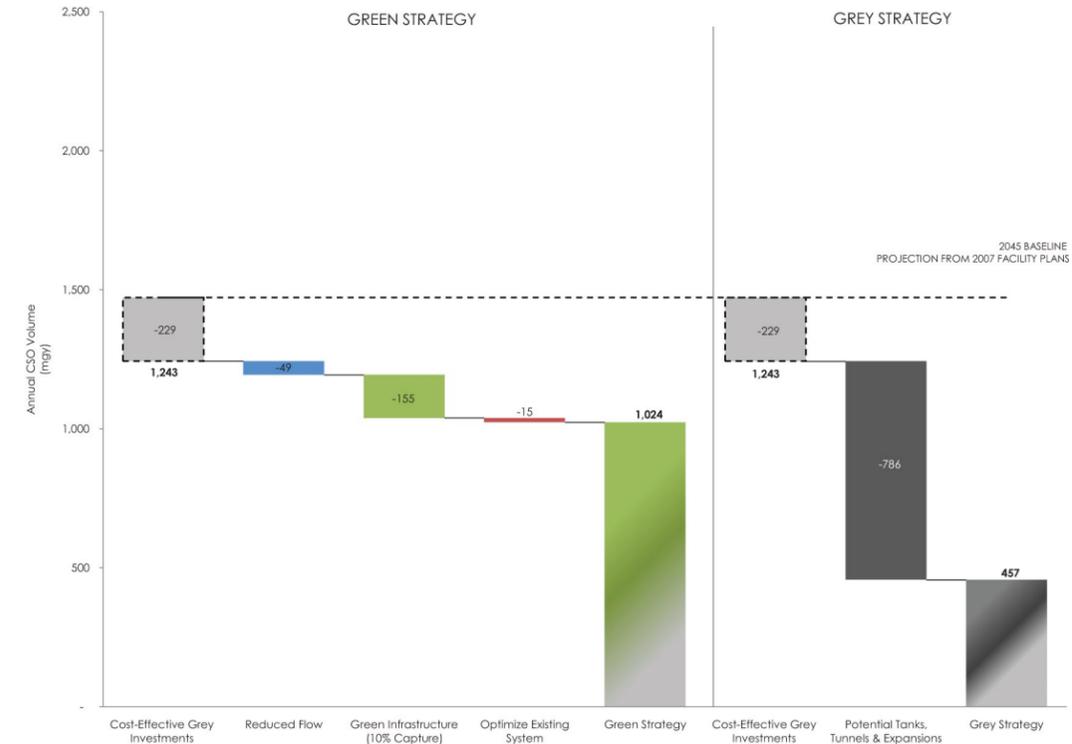
Opportunities in Combined Sewer Contributory Area	Acres	% of Watershed
<b>New development/redevelopment</b>	<b>254</b>	<b>5%</b>
<b>Vacant lots</b>	<b>85</b>	<b>2%</b>
<b>Right-of-way</b>	<b>1,534</b>	<b>32%</b>
<b>Planned ROW Projects</b>	<b>137</b>	<b>3%</b>
<b>Commercial corridors</b>	<b>12</b>	<b>0.2%</b>
<b>Other streets</b>	<b>940</b>	<b>19%</b>
<b>Other sidewalks</b>	<b>447</b>	<b>9%</b>
<b>Multi-family residential complexes</b>	<b>71</b>	<b>1%</b>
<b>Schools</b>	<b>130</b>	<b>3%</b>
<b>Parks</b>	<b>140</b>	<b>3%</b>
<b>Other public properties</b>	<b>50</b>	<b>1%</b>
<b>TOTAL</b>	<b>2,263</b>	<b>47%</b>

Wastewater Treatment Plant(s): **Newtown Creek and Bowery Bay**  
 NYSDEC Classification(s): **Class SD – Fish Survival**  
 Ecological Classification(s): **No Designation**  
 Existing Water Uses: **Commercial and Municipal Shipping and Barging**  
 Shoreline Uses: **Industrial, Institutional, Commercial, Municipal**  
 Borough(s): **Brooklyn and Queens**  
 Community District(s): **Brooklyn (4) Queens (2 & 5)**



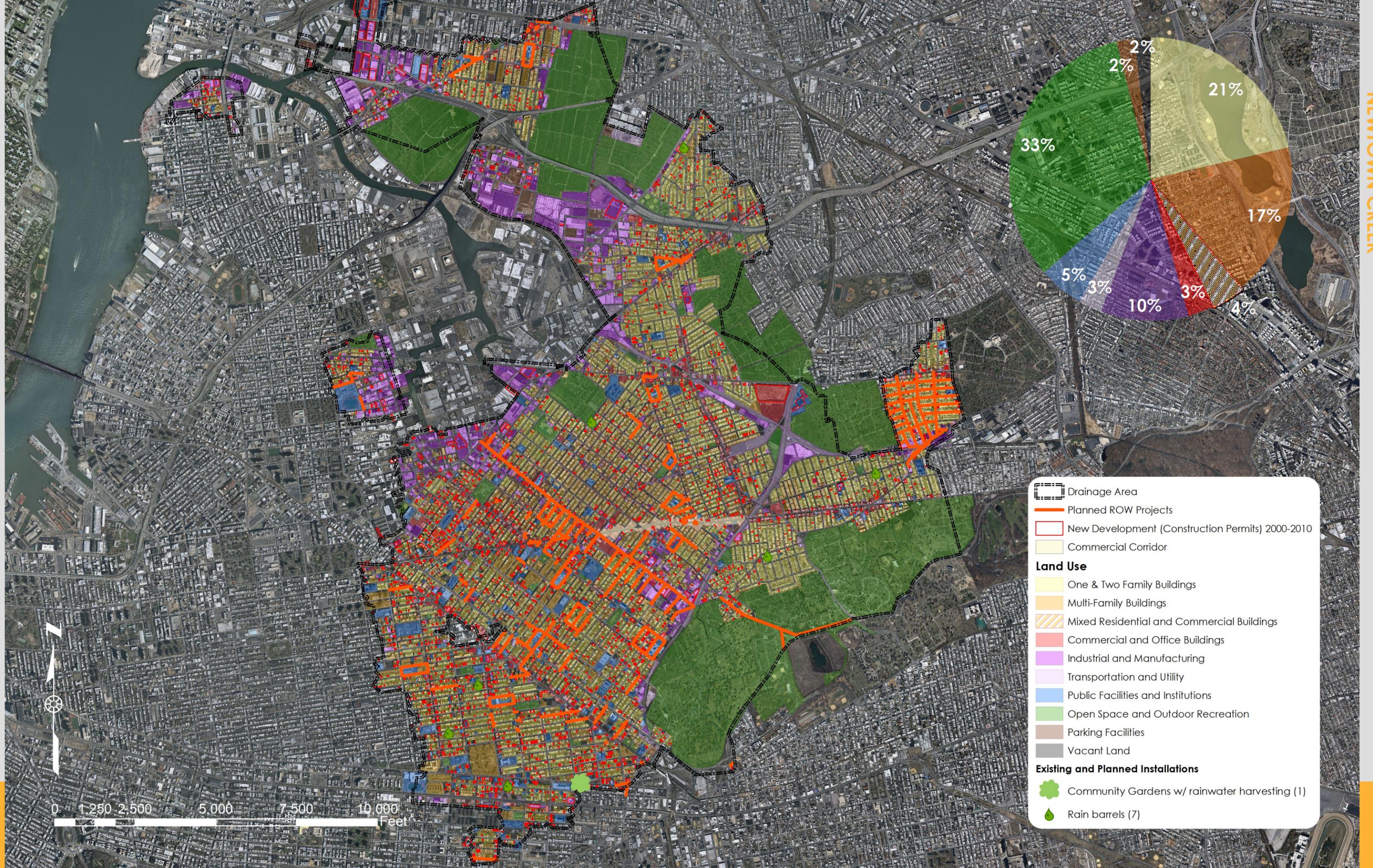
## GREEN INFRASTRUCTURE PLAN

# PERFORMANCE AND COSTS



	CSO Volume Reduction (MG/yr)	Capital Cost (\$M)	Capital Cost per Gallon
<b>Cost-Effective Grey Infrastructure Investments</b> —Throttling Facility, Expand Newtown Creek WWTP capacity to 700MGD, Bending Weirs, Dutch Kills Relief Sewer, Regulator Modifications	229	\$236	\$1.03
<b>PLUS Reduced Flow</b>	49	\$0	\$0.00
<b>PLUS Green Infrastructure (10% Capture)</b>	155	\$249	\$1.60
<b>PLUS Tide Gate Repair and Interceptor Cleaning</b>	15	\$0.05	\$0.003
<b>Green Strategy Total</b>	<b>448</b>	<b>\$485</b>	<b>\$1.08</b>
<b>Cost-Effective Grey Infrastructure Investments</b>	229	\$236	\$1.03
<b>PLUS Potential Tanks, Tunnels &amp; Expansions</b> —Newtown Creek CSO Retention Tunnel	786	\$1,300	\$1.65
<b>Grey Strategy Total</b>	<b>1,015</b>	<b>\$1,536</b>	<b>\$1.51</b>

## GREEN INFRASTRUCTURE PLAN



Drainage Area  
 Planned ROW Projects  
 New Development (Construction Permits) 2000-2010  
 Commercial Corridor

**Land Use**

- One & Two Family Buildings
- Multi-Family Buildings
- Mixed Residential and Commercial Buildings
- Commercial and Office Buildings
- Industrial and Manufacturing
- Transportation and Utility
- Public Facilities and Institutions
- Open Space and Outdoor Recreation
- Parking Facilities
- Vacant Land

**Existing and Planned Installations**

- Community Gardens w/ rainwater harvesting (1)
- Rain barrels (7)

0 1,250 2,500 5,000 7,500 10,000 Feet