

# 66. - Summary (Doc# 4100080700)

Philly Tree Canopy (AKA Renew Philly Trees)

Project: SE160103

Grantee: City of Philadelphia

**PROJECT DESCRIPTION** Improve water quality in the Delaware Estuary by planting trees to reduce urban stormwater runoff, the primary source of nonpoint source (NPS) pollution for the City of Philadelphia. Project timeframe: 5/9/2018-12/31/2021.

**PROJECT GOALS** Plant 500 trees in the right-of-way in the Wissahickon Watershed and the Combined Sewer Overflow (CSO) area. Teach residents about the impact of trees on local water quality.

**PROJECT RESULTS** 533 trees were planted. Educational tree tags and brochures were distributed to residents with each tree. Estimated reduction in pollutant loads (by multiplying average median concentrations from the EPA's National Urban Runoff Program by the estimated volume of avoided runoff):

POLLUTANT	YEAR 0	YEAR 10	YEAR 20
Total suspended solids	3,468,567	19,473,590	35,397,962
Total phosphorus	9,102	51,101	92,888
Total Kjeldahl nitrogen	41,328	232,026	421,763



**PROJECTS COSTS** \$250,000 319 Restoration Grant

**LESSONS LEARNED** Leveraging existing City contracts to plant trees in a targeted way is a success method for increasing tree canopy, however, it's important to factor in the warranty period since it has implications for grant term and reimbursement.

**PARTNERS** Philadelphia Parks & Recreation, Philadelphia City Planning Commission, Philadelphia Office of Innovation. M&M Lawncare, All Seasons Landscaping Co., and Vanguard Direct Printing were the contractors.

**CONTACT INFORMATION** Philadelphia Parks & Recreation, Erica Smith Fichman, [erica.smith@phila.gov](mailto:erica.smith@phila.gov)

**PICTURES** (above) example tree planting, (below) front of tree tag

