

Closure Memo

Date: 3/24/2015

Project: Western Waterfront Rain Garden Planting/Training Program (NY)

Number: 1401.13.039274

Grantee: Town of Oyster Bay

Project Description: Town of Oyster Bay will build a 1,200 sq. ft. raingarden and install two 50 gallon rain barrels to treat 1,255 gallons of stormwater runoff from a 5,000 sq. ft. parking lot discharging into Long Island Sound. This raingarden will capture and treat storm water runoff from an approximately 5,000 sq. ft., heavily used parking lot currently discharging pollutants into the Long Island Sound. The raingarden would be complemented by two rain barrels to be placed at nearby structures to collect stormwater runoff from the roofs of buildings roofs prior to entering the Sound. Construction of this rain garden occur in two phases: phase 1 will consist of a classroom training and then hands on participation in construction of the rain garden by approximately 40 municipal officials/ public employees; and phase 2 will consist of a classroom training and hands on participation in the construction of the rain garden by approximately 40 volunteers from the surrounding communities. The goal is to train different groups in the creation and maintenance of green infrastructure technologies to encourage adoption a public and private sites.

Final Products:

- This project will build a 1,200 sq. ft. rain garden and install two 50 gallon rain barrels to treat 1,255 gallons of stormwater runoff from a 5,000 sq. ft. parking lot discharging into Long Island Sound.

At the completion of the project, a 1,200 square foot rain garden was installed to capture rainwater from the nearby buildings, walkways, and parking lot. When it rains, the first ¼" will soak into the 2,634 sq. ft. pervious grass area and the rest will be transferred to the rain garden. The rain garden captures a 1.6" rain event from a 4,080 sq. ft. impervious area and from two pervious grass areas (2,634 sq. ft. total), meaning approximately 4,488 gallons or 600 cu. ft. of water will be treated. Using past rain event data from the National Weather Service, it is estimated that the rain garden will help prevent 124,000 gallons of storm water from entering surrounding water bodies annually.

- This project will train different groups in the creation and maintenance of green infrastructure, including approximately 40 municipal officials/ public employees and 40 volunteers from the surrounding communities.

A total of 116 public employees and residents attended 11 educational seminars and planting demonstrations to promote rain gardens being built on public and private property. In the educational seminars employees and residents were taught how to successfully design, install and maintain a lush rain garden. More residents were involved in the project than originally

expected but the number of public employees in attendance was reduced due to budgetary restraints that prevented the Town from being able to pull staff away from their regular duties.

Educational pamphlets were developed illustrating the benefits of installing rain gardens to protect water quality. Educational signage was also created to help residents learn more about the plants that are used in these types of gardens. 30 education signs were posted in and around the rain garden. Information regarding rain gardens was published on the Town's website as well as the websites of partnering community and volunteer groups, such as the Nassau County Soil and Water District and the Cold Spring Harbor Protection Committee. This project used a total of 6 websites and other forms of social media to promote the project.

LISFF award: \$20,247.91

LISFF funds spent: \$13,943.95

LISFF Match requirement: \$13,951.00

LISFF Match spent: \$13,951.33