

Project Profile: Brooklyn Navy Yard

Project Owner: Brooklyn Navy Yard
Project Location: Building 3, BK Navy
Watershed: East River Open Waters
GI Technology: Rooftop Farm
Impervious Area: 68,000 sf
Storage Capacity: 1,000,000+ gallons annually
Year Completed: 2012
GI Grant Award: \$592,730

The rooftop farm installation at the Brooklyn Navy Yard was the Grant Program's first and largest grant project completed to date. Formerly the largest shipbuilding facility in the U.S., the Brooklyn Navy Yard is now home to a diverse array of businesses including movie studios, furniture manufacturers, ship repairers, architectural designers, electronics distributors and jewelers.

Brooklyn Grange, who will manage the rooftop farm, is a commercial, urban farming business founded in 2010, and now has over two acres of rooftop under cultivation on two separate rooftops. The Navy Yard farm includes two flocks of egg-laying hens and a commercial apiary consisting of more than 30 bee hives.

The farm's 12-inch deep growing beds are comprised of a soil medium blended specifically for rooftop farming use. Brooklyn Grange expects an annual yield of 20,000 pounds of fresh produce. Crops include leafy greens, aromatic herbs, heirloom tomatoes and carrots.

The farm will also provide several co-benefits to the Navy Yard itself, including increased ecological activity, local food production and job creation. Brooklyn Grange will also use the rooftop farm for community engagement by providing school groups, families and volunteers with opportunities to learn about the local food supply and participate in urban farming activities



Rooftop Before Farm Installation



Rooftop Farm after Installation



Rooftop Farm in Production