

The New York City Housing Authority (NYCHA) is building back safer, stronger, and smarter after Superstorm Sandy across 35 sites to protect its residents from future storms and climate change.

## Program-Wide Milestones

As of Q3 2025

**\$3B+** total disaster recovery funding

**35** damaged developments have had major construction awarded, covering 246 buildings.

**25** developments have completed storm surge protection installation

**187** roofs completed

**190** hot water heaters installed

**1,475** CCTV cameras installed

**148** entrance doors with new security systems

**197** backup generators installed

**141** new MEP annexes completed

**72** new boilers set in place

## Scope of Work



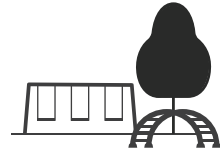
### STANDBY GENERATORS

PROVIDES BACKUP POWER



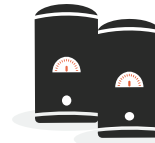
### FLOODPROOFING

PROTECTS BUILDINGS IN FLOOD-PRONE AREAS



### GROUND RESTORATION

RESTORES SITE TO PRE-SANDY CONDITION OR BETTER



### BOILERS

PROVIDES RELIABLE HEAT AND HOT WATER



### ROOF REPLACEMENT

IMPROVES BUILDING RESILIENCY



### MECHANICAL, ELECTRICAL, AND PLUMBING (MEP) ANNEXES

IMPROVES SITE RESILIENCY



### SITE LIGHTING

IMPROVES SITE SAFETY AND ENERGY EFFICIENCY



### CCTV CAMERAS

IMPROVES SITE SECURITY



## RECOVERY & RESILIENCE

NYCHA'S SUPERSTORM SANDY RECOVERY PROGRAM

NYCHA Asset & Capital Management, Recovery and Resilience  
For more information visit:  
Capital Projects and Needs Tracker: [capitaltracker.nycha.info](https://capitaltracker.nycha.info)  
Sandy Recovery Program: [tinyurl.com/SANDYRECOVERY](https://tinyurl.com/SANDYRECOVERY)



## RED HOOK HOUSES

RECOVERY & RESILIENCE  
NYCHA'S SUPERSTORM SANDY RECOVERY PROGRAM





## Additional Site Upgrades

### 260K

Of new outdoor recreational spaces including approximately 45,000 square feet of new playgrounds at building courtyards and Centre Mall, developed in partnership with Red Hook residents.

### 450+

Trees are being planted across the site as construction is completed, including larger canopy and smaller understory trees, as selected by Red Hook residents via surveys and public meetings

### New

Pedestrian pathways throughout the site including permeable paving at select locations to help manage stormwater runoff.

Roofs and parapets at all 28 residential buildings.

Site lighting, CCTV cameras, and layered access security.

Senior center at 120 W 9th Street in close collaboration with local seniors, resident leaders, and elected officials to obtain the necessary buy-in and funding.

## 1 EAST PLANT

West 9th and Columbia Street

- This flood-resistant building holds mechanical, electrical, and plumbing equipment to service the entire Red Hook site including but not limited to: **three (3)** hot water boilers to heat water to **350 degrees** for distribution to utility pods throughout the site via underground distribution system for various heating applications, **four (4)** natural gas-powered generators to provide full backup power throughout the site during an outage, and automatic transfer switch equipment to detect loss of normal utility service and signal the generators to start within seconds. The plant will be staffed **24 hours a day** once operational.

- The plant also features storage space, locker rooms, restrooms, an engineer's office, and elevator, and over **4,000 square feet** of new retail space at ground level.

- The façade is comprised of brick, stucco, aluminum and glass curtain wall, insulated metal panel, and features one of two augmented reality murals in Red Hook Houses, created in partnership with **Snap Inc.** (makers of Snapchat), and painted with the help of residents and other community partners.

## 2 UTILITY PODS

Clinton Street to Richards Street

- The **16 structures** feature brick, stucco, and metal mesh facades and will hold mechanical, electrical, and plumbing equipment above the FEMA flood level to service neighboring residential buildings, including but not limited to: current transformer cabinets, domestic water heaters, and automatic transfer switches.
- Construction of the pods required close coordination with 30+ residents over several months to permanently close 52 existing windows and install new windows in the adjacent residential buildings.

## 3 LILY PADS

At Building Courtyards Sitewide

- Passive flood protection at building courtyards throughout the site totaling approximately 446,000 square feet. These ADA-compliant, elevated courtyards sit an average of five feet above street level and will better protect the buildings from flood damage with the help of automatic flood barriers.
- The automatic flood barriers rest flush with the ground during normal weather conditions and rise automatically with hydrostatic pressure during storm events. Subsurface retention tanks under the lily pads also help manage storm water.
- The lily pads also feature recreational areas including playgrounds, adult exercise areas, tables, chairs, and seating boulders.

## 4 WEST POD

82 Dwight Street between Richards and Dwight

- This pod is the largest of the utility pods across the site and holds similar equipment to the other pods with the addition of one (1) natural gas-powered generator to provide full power to the adjacent 14-story residential building during an outage. It features a stucco and metal mesh façade with an augmented reality mural on the northeast side, and a green roof.

## Red Hook By the Numbers



**180,000 ft.**

of electrical conduit to help power new equipment across 39 acres.



**154 ft.**

of flood barriers to protect residential buildings.



**20,000 ft.+**

of hot water and steam piping to heat and provide hot water to 28 buildings and over 2800 apartments.



**90,000 sq. ft.**

of service buildings that will raise and protect new critical mechanical, electrical, and plumbing equipment from future floods.