In October 2012, Superstorm Sandy hit New York City, inundating large parts of the city with saltwater and leaving lasting damage to buildings and infrastructure. Thirty-five New York City Housing Authority (NYCHA) developments, home to over 60,000 New Yorkers, suffered major storm-related damage. NYCHA is investing over $750M at the nine developments located in Coney Island.

Coney Island Progress as of Q2 2022

- Developments under construction or substantially complete
- Developments with new boilers operating (serving 1,101 apartments and 2,776 residents)
- CCTV cameras operational
- Generators started up
- Hot water heaters completed
- Entrances with layered access control installed
- New utility buildings/additions to existing buildings
- Roofs replaced
- Playgrounds renovated

NYCHA’s Recovery & Resilience Department
Questions/Problems, 咨询/问题: Preguntas/Problemas
(212) 306-8532 — disaster.recovery@nychac.nyc.gov
tinyurl.com/SANDYRECOVERY
Coney Island 1B (Unity Towers)
2007 Surf Avenue
Site Flood Zone: AE | Base Flood Elevation: +11 feet

- **Flood-Resistant Annex** located at the north end of the site adjacent to W 20th Street. The two-story building features two dual fuel boilers and one 450 kilowatt natural gas-powered standby generator to service 192 apartments.

  Additional annex details:
  - Height: 50'
  - Square footage: 4,235
  - Facade: Glazed brick

  **Additional Site Resiliency Measures:**
  - 50 deployable flood barriers across 10 locations
  - Four new backwater valves
  - New cold liquid-applied roofing system

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Coney Island Houses
3028 West 29th Street (Multiple Addresses) | Site Flood Zone: AE | Base Flood Elevation: +11 feet

- **Flood-Resistant Electrical Annexes** located next to four of five residential buildings beginning at W 29th Street. Each annex stands at 30 feet and includes automatic transfer switch equipment that will detect any loss of normal utility service and signal the rooftop generators to start within 60 seconds to power each residential building.

  **Boiler Plant and Multipurpose Space** by 3020 Surf Avenue between W 30th and W 31st Street. The new plant stands at 62 feet at its highest point and includes three dual fuel boilers, a multipurpose space with pantry, and 1836 sq. ft. of green roofing. The final location of the building was selected with input from Coney Island Houses residents.

  **Additional Site Resiliency Measures:**
  - Five 350-500 kilowatt natural gas-powered rooftop generators resting on steel platforms anchored to the existing building columns
  - 628 deployable flood-proofing components at 111 locations across the site
  - Water-proofing and structural reinforcement of all building perimeters

Carey Gardens (Under Construction)
2945 West 23rd Street (Multiple Addresses)
Site Flood Zone: AE | Base Flood Elevation: +11 feet

- **Community Services Center with Flood-Resistant Central Heating Plant.** The building stretches from W 24th Street to W 23rd Street by Mermaid Avenue and will house five 500 kilowatt standby generators, three dual fuel boilers, daycare and community spaces, offices, and a rooftop basketball court and community garden. Additional building details:
  - Height: 70'
  - Square footage: 58,403
  - Facade: Terracotta rainscreen, aluminum curtain wall

  **Additional Site Resiliency Measures:**
  - Bioswales across the campus to control stormwater runoff

Haber Houses (Under Construction)
3018 West 24th Street (Multiple Addresses)
Site Flood Zone: AE | Base Flood Elevation: +11 feet

- **Wet and Dry Flood-Proofing Measures** across the site include flood vents to allow for the controlled flooding of unoccupied spaces in the existing buildings.

  **Haber Houses (continued)**
  - **Wet and Dry Flood-Proofing Measures.** Other spaces, such as building lobbies, will be dry flood-proofed via deployable barriers and structural reinforcement of the floors and walls. 619 wet and dry flood-proofing components will be installed or deployed at 58 locations across the site.

  **Flood-Resistant Annexes** located next to all three residential buildings between W 24th and W 25th Street. Each one-story annex will house one 350-450 kilowatt natural gas-powered generator, automatic transfer switch equipment, and domestic water heaters to service the adjacent residential building. The annex next to 3031 W 25th Street also includes two dual fuel, 250 horsepower boilers to service all residential buildings. Additional annex details:
    - Average height: 38'
    - Average square footage: 2,817
    - Facade: Dri-Design aluminum panels

  **Additional Site Resiliency Measures:**
    - New cold liquid-applied roofing system at all buildings
    - Six new backwater valves

*Additional sites not shown on the map*