



Coney Island, NY beach replenishment



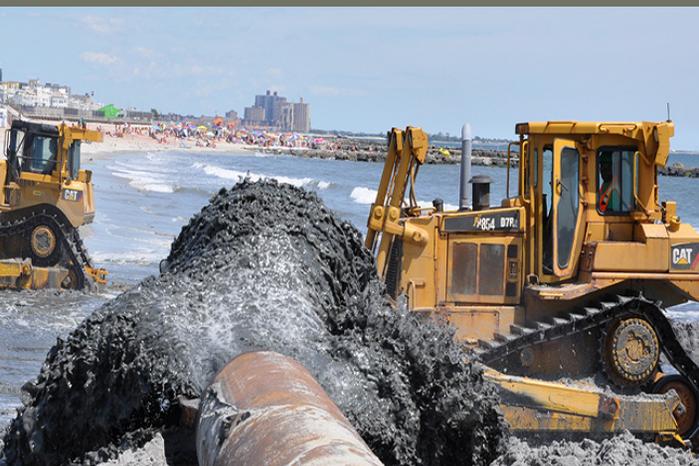
Long Beach, NY Coastal Risk Reduction Project

USACE continues to plan for the future by **designing flood risk reduction projects** to help **protect communities** from future storms like Hurricane Sandy. **Our priorities include:**

- Protecting **coastal populations, property and infrastructure.**
- Contributing to **safe, reliable, efficient, and environmentally sustainable waterways** for movement of commerce, national security needs, and recreation.

New York District will **begin construction on 3 projects** in the near future — all of which are **key to providing flood risk reduction** to communities heavily impacted by Hurricane Sandy, including:

- Union Beach, NJ
- Passaic Tidal, NJ
- South Shore of Staten Island, NY



Rockaway, NY beach replenishment



The NY/NJ Harbor and Tributaries Study Tentatively Selected Plan provides a number of **flood risk reduction options** designed to provide additional **protection to at-risk communities** throughout the Tri-State area. Scan for more info:



**10 YEARS SINCE
SUPERSTORM SANDY:
U.S. ARMY CORPS OF ENGINEERS
ONGOING EFFORTS TO BUILD
RESILIENCY**



SANDY PROJECTS

52/60 COMPLETED PROJECTS
+ ACTIONS from the Sandy
Supplemental Bill.

6/8 OF THE REMAINING
PROJECTS are under construction.

\$16.6 MILLION
SPENT ON FEASIBILITY STUDIES to
assess potential projects to protect
vulnerable communities.



\$3 BILLION ALLOCATED TO
CONSTRUCTION OF NEW PROJECTS
to reduce coastal flood risk reduction,
including:

- Long Beach, NY
- Downtown Montauk, NY
- Coney Island Seagate, NY
- Fire Island to Moriches Inlet, NY
- Sandy Hook to Barnegat Inlet -
Elberon to Loch Arbor, NJ

PREVENTED **\$1.9**
BILLION IN DAMAGES.



RESPONSE + RECOVERY



A BARGE HOLDING DEBRIS PULLED FROM NEW YORK HARBOR



Placed **15.2**
million
cubic yards
of sand on
beaches.



Cleared
212,000
cubic feet of
waterway
debris.



\$3 BILLION SPENT ON HURRICANE
SANDY COASTAL STORM RISK
REDUCTION PROGRAM.



Removed **286** million gallons of
saltwater from the NYC subway
system.



Removed **200** million gallons
of saltwater from a wastewater
treatment plant in Newark, NJ.



Repaired **29** commercial navigation
channels through emergency
maintenance dredging.

SANDY'S IMPACTS

IN 2012, HURRICANE
SANDY DEVASTATED
NEW YORK & NEW
JERSEY, RESULTING
IN AN ESTIMATED **\$50**
BILLION IN DAMAGES.



OCTOBER 22 - NOVEMBER 2, 2012



WINDS UP TO 80 MPH



WAVES UP TO 32 FEET



MASS EVACUATIONS OF
COASTAL AREAS



4TH MOST EXPENSIVE
STORM IN U.S. HISTORY