





\$1.13 TRILLION GDP

ONE-THIRD OF THE NATION'S LARGEST MEDIA COMPANIES

21 ACTIVE US MILITARY INSTALLATIONS

2.5 MILLION DAILY BUS PASSENGERS

THE BROOKLYN BRIDGE

THE STATUE OF LIBERTY

92.4 MILLION ANNUAL AIR TRAVELERS

THE UNITED NATIONS

TWO MAJOR LEAGUE BASEBALL STADIUMS

5 MILLION DAILY SUBWAY PASSENGERS

STREET

THE NEW YORK STOCK EXCHANGE

22 UNDERWATER RAIL TUNNELS

950 COMMERCIAL VESSELS IN THE NEW YORK HARBOR Ω

51 MILLION ANNUAL TOURISTS

182 NURSING HOMES

800,000 DAILY COMMUTERS

INDIAN POINT NUCLEAR POWER PLANT

MADISON SQUARE GARDEN

BARCLAY'S CENTER

600 CULTURAL INSTITUTIONS

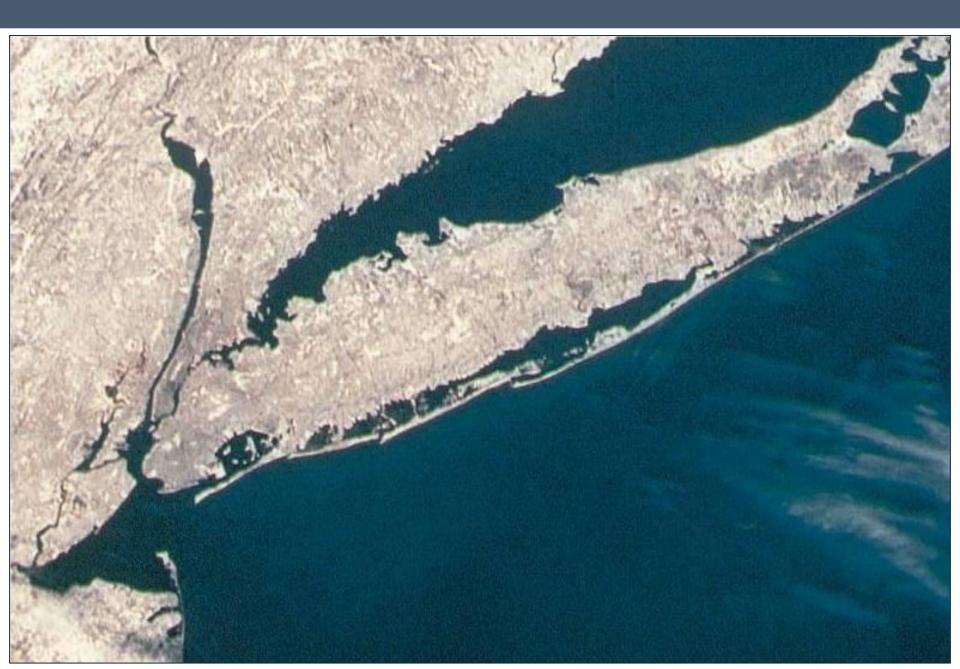
THE EMPIRE STATE BUILDING

BROOKHAVEN NATIONAL LABORATORY

8.2 MILLION RESIDENTS

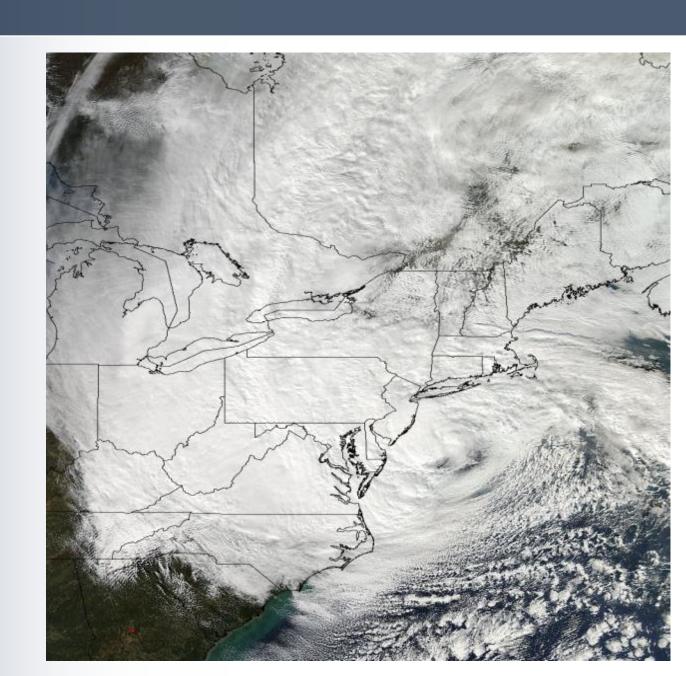
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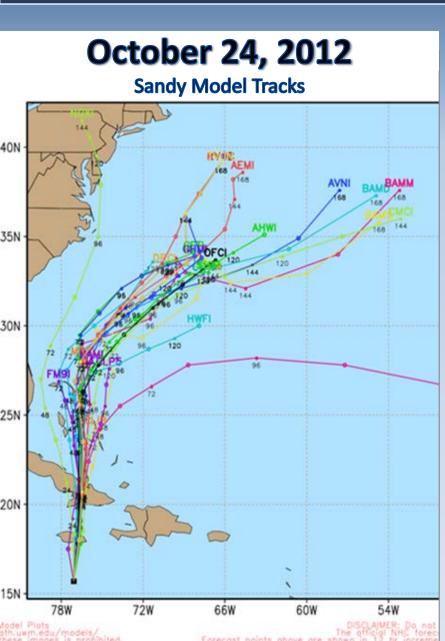
Vulnerability



Coastal Storm Plan

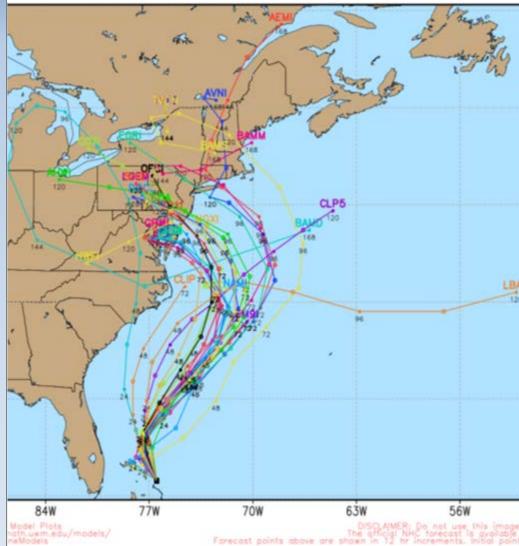
- Cat 4 Hurricane
- Landfall at AC, NJ
- NE quadrant
- Strongest winds
- 3 million evacuate
- 605,000 seek shelter





October 26, 2012

Sandy Model Tracks



Decision Making

10/23-10/24-10/25-10/26-10/27-10/28

COASTAL HAZARD MESSAGE NATIONAL WEATHER SERVICE NEW YORK NY 139 PM EDT SAT OCT 27 2012

...MODERATE TO MAJ TUESDAY MORNING...

CTZ009>012-NJZ006-1
/O.CON.KOKX.CF.A.0
SOUTHERN FAIRFIELD
SOUTHERN NEW LONDO
NEW YORK (MANHATTA
KINGS (BROOKLYN)-N
SOUTHWESTERN SUFFO
NORTHERN NASSAU-SO
139 PM EDT SAT OCT

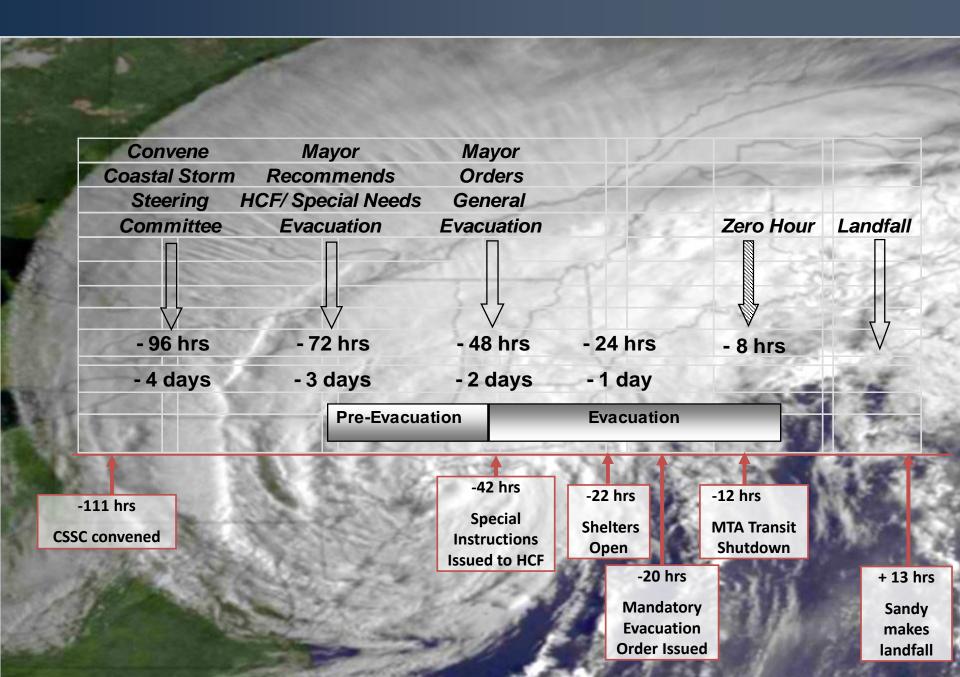
...COASTAL FLOOD W

- * LOCATIONS...COAS AND EASTERN SHOR
- * TIDAL DEPARTURES NIGHT. 2 TO 4 FT POTENTIAL FOR 4 MORNING.
- * BEACH EROSION..
- * TIMING...MINOR C TIDES ON SUNDAY. FLOODING BY MOND FLOODING DURING
- * IMPACTS...A LONG LIKELY STARTING TUESDAY MORNING. THE MAGNITUDE OF MORNING'S HIGH T A MAJOR COASTAL HISTORICALLY FLO



HAND IN HAND WITH THE COASTAL FLOODING WILL BE INCREASINGLY HIGH SURF BATTERING THE COAST SUNDAY THROUGH EARLY NEXT WEEK...WITH POTENTIAL FOR MAJOR BEACH EROSION...LOCALIZED WASHOVERS...AND

Timeline



Landfall

10/26-10/27-10/28-10/29-10/30-10/31



Response



Recovery







Coordination



Scale

- 115 mile RMW
 - 30-45 miles typical

Surge

- 13.88 feet
 - Old record 10.02 ft
- 32.5 foot wave in New York Harbor

Affected Area

- 1 million people
 - 99,000 buildings
- 423 NYCHA buildings
 - 80,000 residents
- 47 healthcare facilities
 - 6 hospitals
 - 22 nursing homes

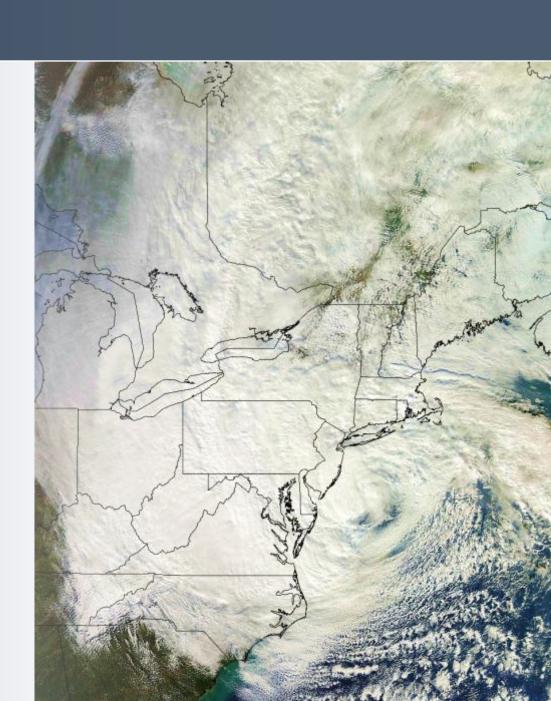


Post Impact

- 20,000 calls per hour to 911
- 2 million without power
 - 230 generators deployed
- 3,500 traffic signals down

Sheltering

- Emergency Shelters opened: 73
- Shelterees: 6,769
- Staff: **4,001**
- Pets: **197**



Power

• 800,000 customers without power

Debris

- 2 million CY
 - 20,000 trees and limbs
 - 150,000 CY from ROW
 - 3,472 cars, 72 boats

Flooding

• 600 million gallon infiltration



Healthcare Facilities

- Evacuated: **36**
 - Hospitals: 6
 - Nursing Homes: 18
 - Adult Care Facilities: 12
- **6,001** patients
 - Hospitals: **1,379**
 - Nursing Homes: **3,102**
 - Adult Care Facilities: 1,520

Commodities

- 2.1m shelf stable meals
- 1.5m prepared meals
- 278,000 food truck meals
- 1m bottles of water
- 166,000 blankets

