



## Mantoloking & Super Storm Sandy

2012/11/14

# Mantoloking & Super Storm Sandy

## AGENDA:

- Damage Assessment
- Current Status
- Resources Expended
- Short-Term Plan
- Long-Term Plan
- Resources Needed



# Mantoloking & Super Storm Sandy



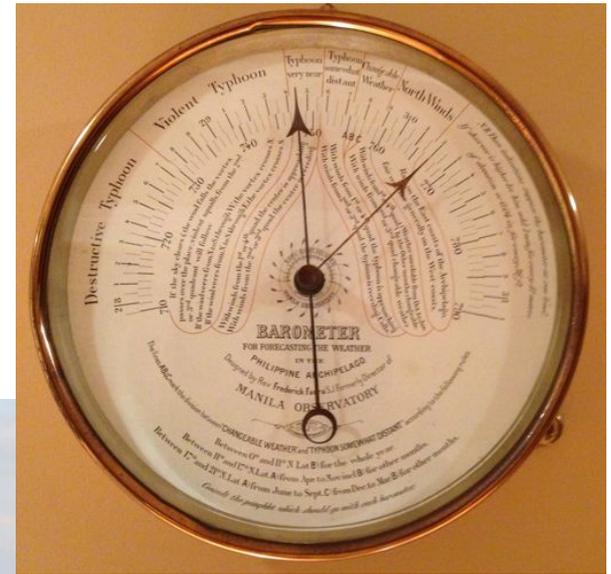
# Mantoloking & Super Storm Sandy – Damage Assessment

## Ocean:

- Estimated tidal surge: 16 Feet +
- 4 serious breaches (Lyman, Herbert, S. Barnegat Lane (2))
- Total degradation of dune line

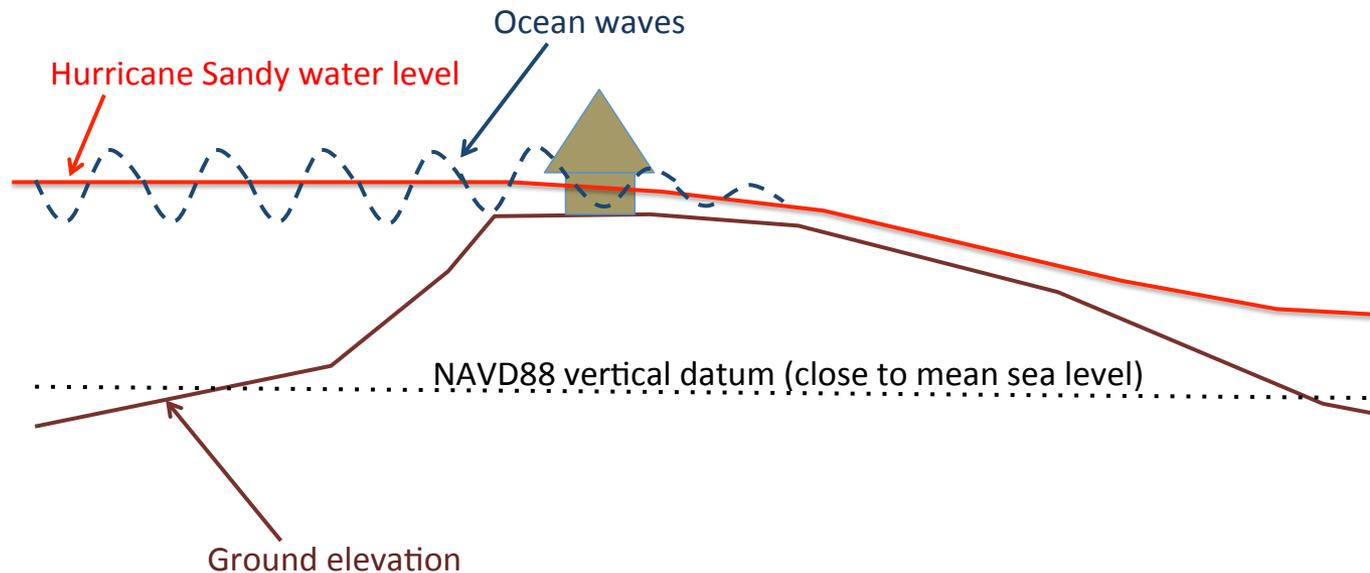
## Bay:

- Estimated tidal surge: 6 feet
- Major breaches: Herbert to Princeton
- Bergen Ave compromised



# Mantoloking & Super Storm Sandy – Damage Assessment

## Definition Sketch Storm Water Levels



# Mantoloking & Super Storm Sandy – Damage Assessment



# Mantoloking & Super Storm Sandy – Damage Assessment

## Homes:

- 137 homes uninhabitable: 60 homes totally destroyed – hardest hit: Herbert to Lyman
- 383 damaged

## Municipal Resources:

- Town Hall/PD- Severe water damage
- FD- Water damage/roof damage
- Public Works- Water damage
- Herbert St. sewer pumping station- destroyed
- Bay Ave water station- destroyed



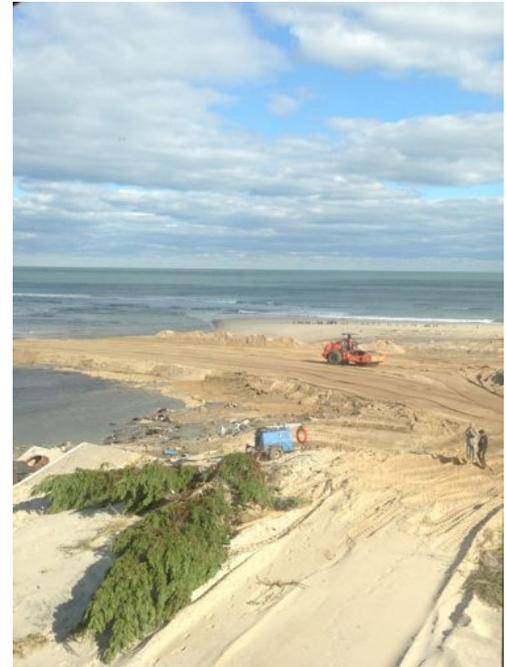
# Mantoloking & Super Storm Sandy – Damage Assessment

## Infrastructure:

- Electric: Totaled
- Gas: Totaled
- Water: Totaled
- Sewer: Totaled

## Roadways:

- All county and municipal roadways damaged: storm and subsequent construction



# Mantoloking & Super Storm Sandy – Current Status



# Mantoloking & Super Storm Sandy – Current Status

## Ocean:

- Breaches filled (Lyman, Herbert, S. Barnegat Lane (2))
- 50 foot steel sheet piling in place at Herbert breach
- Temporary berms set up at estimated dune line in most sections of town

## Bay:

- Land reclamation near completion (Herbert/Bay/Barnegat)
- Sand fill/Riprap seawall
- Need political pressure for other areas (30+ homes on Barnegat/Bay)



# Mantoloking & Super Storm Sandy – Current Status

## Homes:

- Utility Service shut off in most homes
- Winterization/remediation access granted

## Municipal Resources:

- Town Hall- relocated to Brick Twp.
- Police Dept: Station secure
  - Temp Qtrs in PO pkg lot
- Fire Dept: 1 truck in town.
  - Coverage ltd to 1000 gal.
- Public Works- ltd. damage



# Mantoloking & Super Storm Sandy – Current Assessment

## Infrastructure:

- Electric: East Ave/Bay Head to Herbert
- Gas: New main on 35 being installed
- Water: BH to Lyman: Basic Fire Protection (1 hydrant)
- Sewer: pumping out existing lines

## Roadways:

- 35 - Clear
- Barnegat- clear for one way traffic
- East- clear for one way traffic
- Bergen- open
- Lyman- open



75% of driveways clear for at least one spot

# Mantoloking & Super Storm Sandy – Resources Expended

## State:

- 30,000 man hours
- 15,000 metric tons of stone
- 150,000 cubic yards of sand screened
- 86,000 tons of sand brought in
- 15 dump trucks per hour (24 hrs)



## Borough:

- 4500 man hours
- 4 Extra OEM personnel in place
- 6 temp. police hired
- 2 new vehicles acquired



# Mantoloking & Super Storm Sandy – Short Term Plan

## Residential:

### 1. Move from recovery to remediation phase, including:

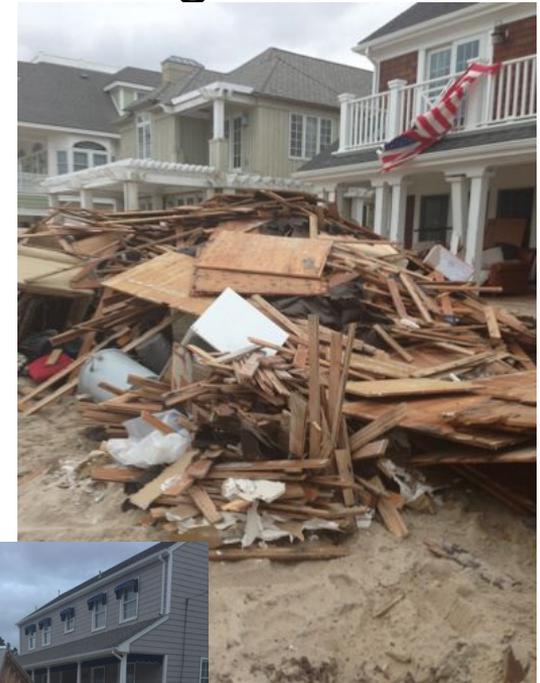
- Winterization
- Sheet rock/insulation removal
- Debris removal

### 2. Debris removal from driveways

- Removal firm hired
- Starting tomorrow

### 3. Prepare for residential reconstruction:

- Permit process in place
- Expedited approvals



# Mantoloking & Super Storm Sandy – Short Term Plan

## Municipal:

1. TownHall, PD & Fire Dept. relocated / up and running
2. Services ready (tax, court, etc.)

## Infrastructure:

1. **Gas:** Main line- December. Secondary Streets – Q1 2013
2. **Electric:** Route 35- December. Secondary Streets – Q1 2013
3. **Sewer:** Main line- replacement started. Secondary: Still assessing
4. **Water:** Main line- replacement started. Secondary: Still assessing

\* FOCUS ON SAFETY: WATER FOR HYDRANTS



# Mantoloking & Super Storm Sandy – Short Term Plan

## Reclamation & Defense:

1. Continue to fill in damaged areas
2. Short-term berms along ocean side
3. Shore-up breach areas



# Mantoloking & Super Storm Sandy – Long-Term Plan

## **Refused beach widening? Then pay for restoration**

As mayor of Long Beach Township, I want to take this opportunity to provide current information to township property owners.

First, I want to offer good news; the portion of our township that received the federal beach replenishment earlier this year suffered minimal damage. The oceanfront properties, as well as the homes, structures and businesses to their west, withstood the destructive components of superstorm Sandy. The project worked.

Unfortunately, beaches that had not been included in the Army Corps of Engineers project due to lack of executed easements from property owners proved vulnerable to the vast devastation wrought by Sandy. Damage assessment continues, and it appears few structures remain unaffected in these areas.

In fact, most buildings, homes, businesses and churches that are not in proximity to the replenished beach area have suffered significant damage from those non-participating oceanfront properties, westward.

Utilities are slowly and painstakingly being restored; streets are being cleared, and debris is being removed. At the current time, the total cost of recovery is incalculable.

**We feel it only fair to the taxpayers of Long Beach Township that the cost of cleanup and restoration in sections of our town not protected by the federal beach replenishment project be borne by those oceanfront property owners who refused to join in the project by executing their deeds of easement.**

I assure you that the Board of Commissioners of the Township of Long Beach will continue to work tirelessly to restore our community and our island. We look forward to working with each of you as we rebuild our cherished town.

Joseph Mancini  
Mayor, Long Beach Township

# Mantoloking & Super Storm Sandy – Long-Term Plan

## Municipal:

1. Rebuild Town Hall, PD & Fire Dept.
2. Pumping stations rebuilt
3. Refine Crisis Management Plan

## Infrastructure:

All utilities rebuilt with “Sandy” parameters in play

# Mantoloking & Super Storm Sandy – Long-Term Plan

## Residential

1. Revise Building Code: Piling requirement for all residences?
2. Changes to height restrictions, easements, etc.?

## Beaches and bulkheads:

1. Explore rock escarpment placement at dune line
2. Re-invigorate beach replenishment project



# Mantoloking & Super Storm Sandy – Resources Needed

## What do we need from you?

1. Patience
2. Big picture thinking
3. Your connections
4. Your continued commitment to this community

