

**FEMA**

**Storm Damage Mitigation**

**Proposed LIPA Initiatives**

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# Funding Programs Available



## **FEMA 406 – Available to Governmental Agencies (not IOUs)**

- **Pays up to 90% of the eligible damage restoration costs**
- **Pays for future damage mitigation. Can not exceed 100% of restoration cost for damage components (very specific requirements)**
- **Can not normally be done after restoration is completed but exceptions are made to this policy**

## **FEMA 404 – FEMA award grants to the states based on a percentage of total FEMA Damage Claims in the State**

- **State decides where funds will be used**
- **Funding can be made available to governmental entities to prevent future storm damage. Grants can be made to agencies that did not experience damage during a FEMA covered storm.**
- **Co-funding by recipient is required**

# Funding Programs Available



## **Community Development Block Grants (CDBG) – Disaster Recovery**

- **Federal Community Development Block Grant Disaster Recovery funds to repair and restore areas affected by Hurricane Sandy.**

## **New York Rising – Superstorm Sandy Recovery**

- **Federal Aid for recovery, rebuilding and mitigation. Targets enabling NY to build back smarter and stronger to ensure the state is better prepared for the future.**

# Storm Hardening Initiatives

## Substations

Emergency Flood Mitigation for substations in flood zones (Trap Bags)

Mobile generators & switchgear to carry customer load during projects to elevate substation equipment

Re-build / elevate existing substations in flood zones.

Establish transmission & distribution redundancy to allow by-passes of damaged equipment

## Lines - Transmission & Distribution

Install ASUs to Isolated Flooded Prone Areas

Install Hardened Overhead Lines, UG Facilities or other Hardened Designs in High Risk Areas.

Harden Transmission Lines on LIRR ROWs to minimize impacts from storm damaged poles & wires

## Vegetation Management

Increased Removal of Hazardous Trees outside of normal trim zone

Shorten Distribution Circuit Trim cycle to a 4 year cycle

Increase Trim Zone around conductors to reduce risk from falling branches

Expansion of ROWs and increase clearance to remove tree and vegetation near LIRR corridors.

## Technology

Enhanced methods to diagnosis & prediction of severe weather-related damage to utility electric systems

Expedite damage assessment and restoration with portable data devices and backend infrastructure

Automated Outage/Restoration Detection & Assets Monitoring

Enhanced Communications Portal with Local Communities