

# NJ Coastal Resilience Summit

- **Coordination in Active Disasters - JFO**
- **Federal Leadership Resilience Collaborative**
- **Federal Disaster Recovery Reform Act**
- **FEMA/NJ Collaboration**



# NY/NJ Federal Leadership Resilience Collaborative



## MEETING

August 17, 2018

10:00 AM – 12:00 PM

One World Trade Center, 52<sup>nd</sup> Floor  
Meeting Room 52 South 10

**Focus: Hudson County, NJ**

Meetings are held bi-monthly and focus on a geographic area

Department of Interior  
Army Corps of Engineers  
Department of Transportation  
Environmental Protection Agency  
Federal Emergency Management Agency  
Department of Housing & Urban Development

*Federal Interagency Discussion Materials*



# BACKGROUND: NATIONAL DISASTER RECOVERY FRAMEWORK (NDRF)



## National Disaster Recovery Framework

Second Edition  
June 2016



- Provides guidance to recovery leaders and stakeholders
- Describes how the whole community will build, sustain, and coordinate recovery to restore core capabilities
- Introduces the Recovery Support Functions (RSFs)

RSF	Full Description	Coordinating Agency
CPCB	Community Planning and Capacity Building RSF	FEMA
Economic	Economic RSF	DOC
Housing	Housing RSF	HUD
HSS	Health and Social Services RSF	HHS
Infrastructure	Infrastructure Systems RSF	USACE
Mitigation	Mitigation Advisor	FEMA
NCR	Natural and Cultural Resources RSF	DOI

# BACKGROUND: COLLABORATIVE STATEMENT OF PURPOSE

## NY/NJ FEDERAL LEADERSHIP RESILIENCE COLLABORATIVE

*To share information and synchronize projects across the federal community to lead, promote, and realize increased regional resilience in a sustainable manner.*

*This is accomplished through regular executive level and technical working group meetings at which agencies share technical and planning information to foster well-informed decisions, identify constraints and reconcile policies when feasible, align efforts to achieve major milestones, and flag potential legal and regulatory changes that would maximize resilience and interagency coordination.*

*In the event of anticipated or declared disasters, these meetings may also serve as the forum for additional discussions to facilitate coordination in preparation for impending events or in response to unexpected events.*

# BACKGROUND: FEDERAL PROGRAMS SUPPORTING SANDY INFRASTRUCTURE

- DOI:** *Hurricane Sandy Coastal Resiliency Competitive Grant Program*  
**Grantees:** State, local, and nonprofit entities
- DOT:** *FHWA Emergency Relief Program; FTA Emergency Relief Program; Sandy Competitive Resilience Grant Program*  
**Grantees:** NJ DOT, NJ Transit, NYC DOT, NYS MTA, NYS DOT, CT DOT
- EPA:** *Clean Water State Revolving Fund* (annual + Sandy Supplemental)  
*Drinking Water State Revolving Fund* (annual + Sandy Supplemental)  
**Grantees:** NJ DEP, NJ EIT, NYS DEC, NYS EFC, NYC DEP
- FEMA:** *Public Assistance; Hazard Mitigation Grant Program (HMGP)*  
**Grantees:** NJ OEM, NYS DHSES, CT DEMHS
- HUD:** *Community Development Block Grant - Disaster Recovery (CDBG-DR)*  
**Grantees:** NJ DCA, NYC OMB, NYS DHCR, CT DOH
- NOAA:** *Coastal Resilience Networks; Cooperative Institute of North American Research*
- USACE:** *Civil Works Program, Regulatory Program, Sandy Supplemental appropriations*  
**Local Non-Federal Sponsors:** NJ DEP, NYS DEC, NYC
- USDA:** *Natural Resources Conservation Service Emergency Watershed Protection Program*  
**Easement Holders:** Local and nonprofit entities

# BACKGROUND: SANDY COORDINATION SUMMARY

Together, federal agencies have sought to collectively ensure wise federal infrastructure investments resulting in greater regional resilience. Critical coordination efforts are continuing as major projects complete planning and design, begin construction, and become operational. Efforts include:

- Regular database updates and reports on progress of federally-funded infrastructure projects.
- Identifying and addressing potential duplication of efforts.
- Reconciling complex regulatory challenges and solutions.
- Increasing transparency and access to federal funding agencies.
- Creating and expanding lines of communication among different federal grantees and programs.
- Increasing coordinated planning among neighboring communities to leverage investments.
- Preserving and protecting communities, economies, and natural, historic, and cultural resources.
- Eliminating delays through concurrent versus sequential planning and review processes.
- Sequencing work to avoid unnecessary delays and/or construction impacts.

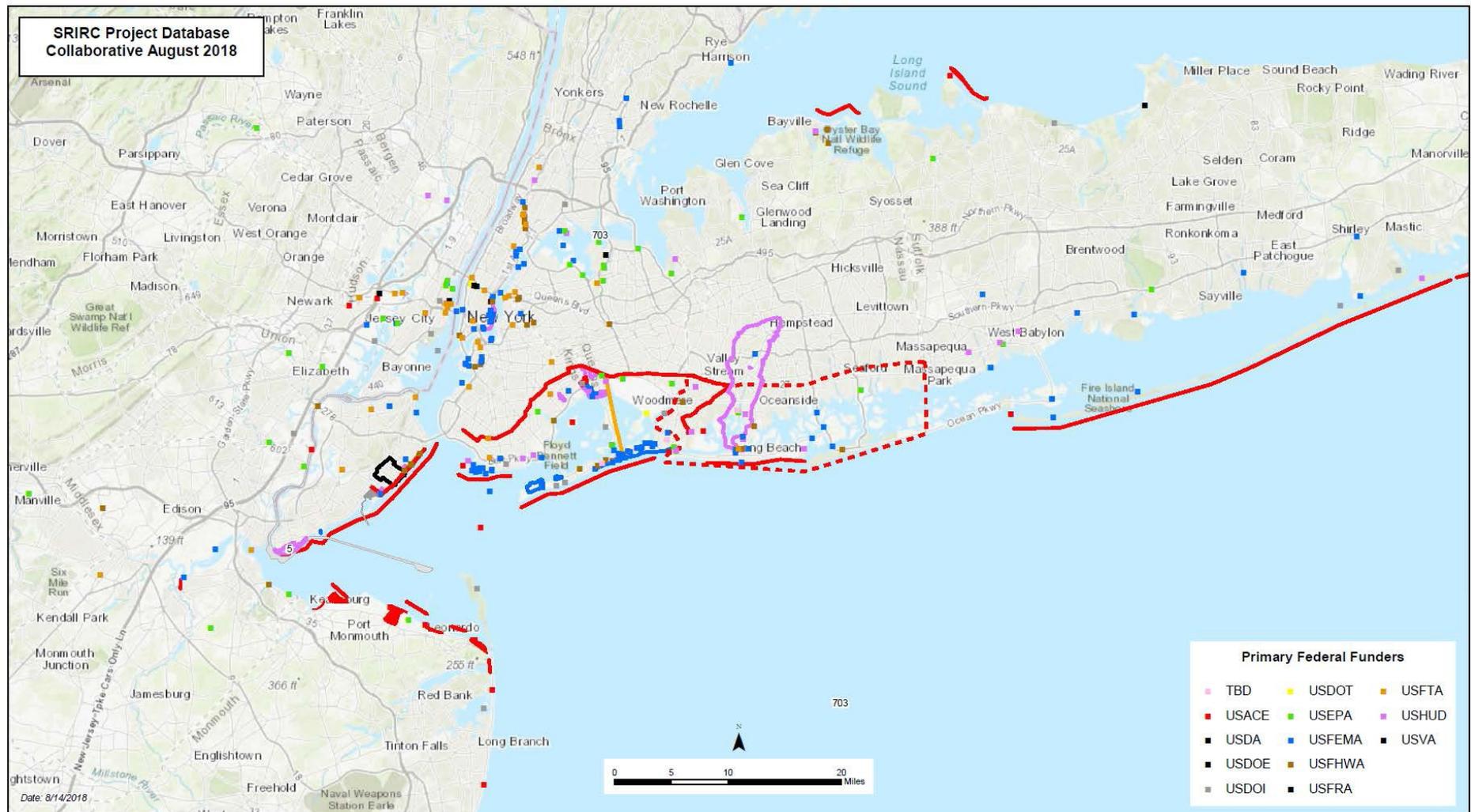
# REGIONAL MAP: SANDY PROJECTS

## MAJOR SANDY INFRASTRUCTURE PROJECTS

This maps shows the approximate locations of most of the major infrastructure projects funded in whole or in part by 10 federal agencies from the Disaster Relief Appropriations Act of 2013, and Sandy Recovery Improvement Act of 2013 (Public Law 113-2).

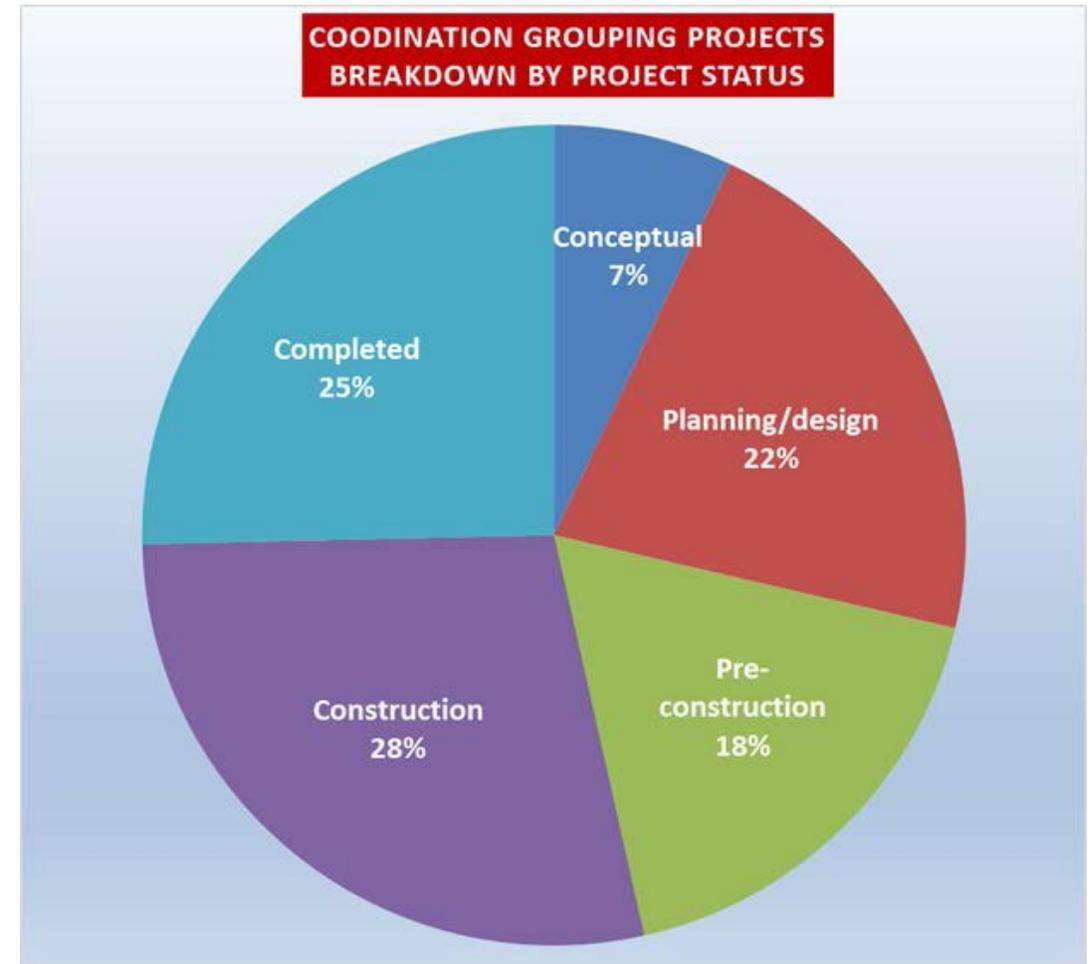
- ❖ Tracking >400 infrastructure projects
- ❖ Total estimated project costs = >\$29 billion
- ❖ Total federal funding = >\$21 billion
- ❖ ~10% need coordination attention
- ❖ >100 completed since January 2016
- ❖ ~120 are in construction
- ❖ ~70 to begin construction in late 2018

Source:  
*SRIRC Project Database as of July 31, 2018*



# BACKGROUND: SRIRC PROJECT DATABASE: > 400 PROJECTS

Primary Federal Fund	# of Projects	Estimated Project Cost	Federal Fund Allocation
+ USFEMA	153	\$12,595,221,227	\$10,965,051,810
+ USACE	36	\$7,150,391,000	\$2,898,856,650
+ USDOT	74	\$6,697,214,929	\$4,912,197,012
+ USHUD	69	\$2,243,283,741	\$1,999,850,645
+ USEPA	56	\$701,154,013	\$353,262,972
+ USVA	1	\$207,000,000	\$207,000,000
+ USDOJ	29	\$129,452,110	\$63,251,868
+ USDA	6	\$126,280,000	\$74,380,000
+ USDOE	1	\$1,600,000	\$0
<b>Grand Total</b>	<b>425</b>	<b>\$29,851,597,020</b>	<b>\$21,473,850,957</b>



Based on SRIRC Database as of 7/31/18

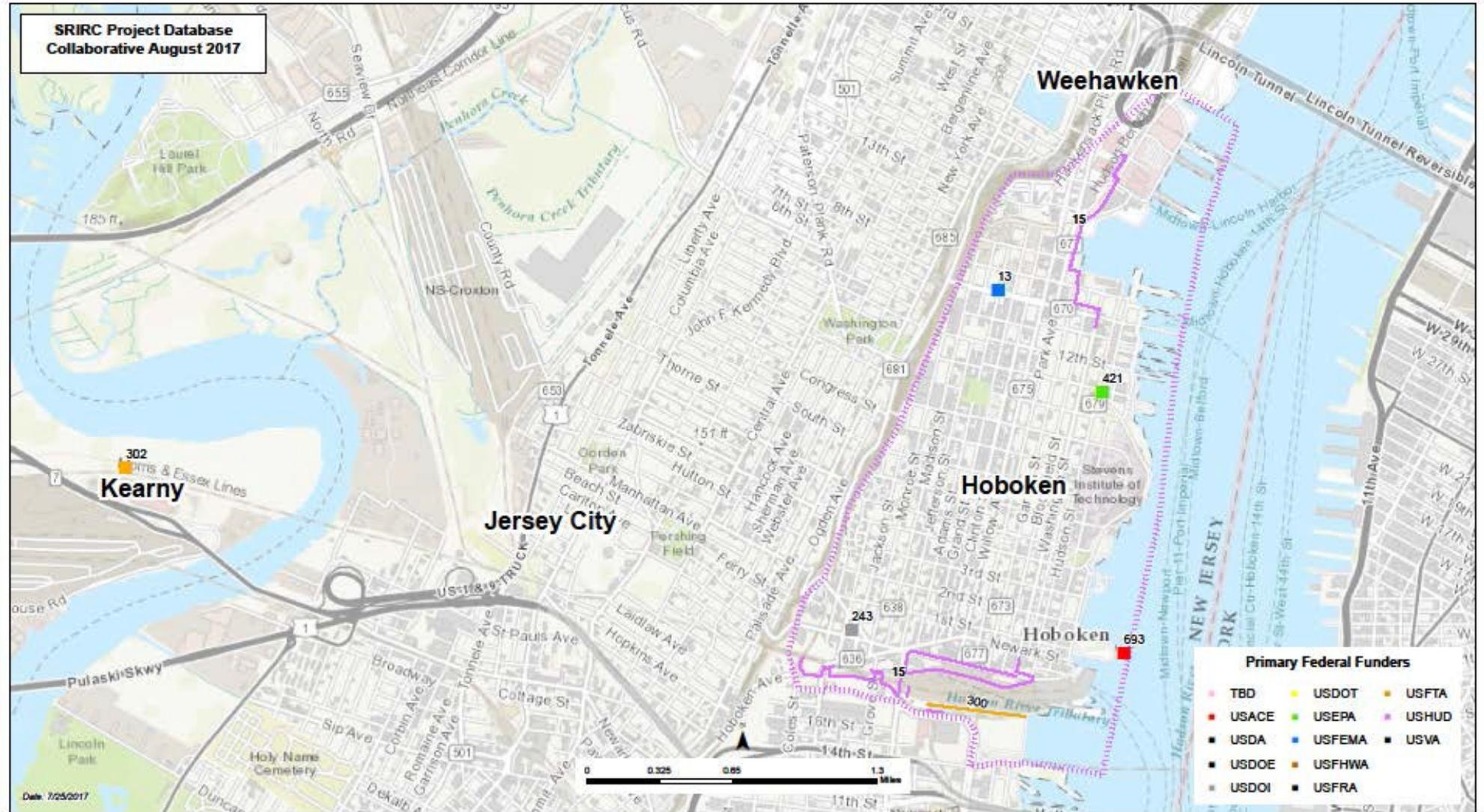
# HUDSON COUNTY, NJ FOCUS AREA MAP

## SANDY INFRASTRUCTURE PROJECTS

This maps shows the approximate locations of most of the major federally-supported Sandy recovery infrastructure projects in the area.

- ❖ 22 projects
- ❖ Total estimated cost > \$1.7 billion
- ❖ Total federal funds > \$992 million

Source:  
SRIRC Project Database, July 31, 2018



# KEY PROJECTS IN HUDSON COUNTY, NJ

- DOI:** Hoboken Block 12 (DB#243)
- EPA:** Hoboken Wet Weather Pump Station (DB#421)  
Hoboken Northwest Resiliency Park (DB#439)
- FEMA:** North Hudson Sewerage Authority (DB#13)
- FTA:** NJ Transit Long Slip (DB#300)  
NJ Transit Grid (DB#302)
- HUD:** NJDEP Hudson River Project (DB#15)
- USACE:** NY & NJ Harbor & Tributaries Study (DB#693)  
Hudson-Raritan Estuary Comprehensive Restoration

# FTA: NJ TRANSIT – LONG SLIP PROJECT

Project cost: \$195,397,910

•Federal funds (FTA): \$146,548,432

•Non-Federal funds: \$48,849,478

Status: Pre-Construction

- Fill the former Long Slip freight barge inlet at Hoboken Terminal and Rail Yard
- Construct 6 new terminal tracks and 3 passenger platforms above the base flood elevation



## Project Status:

- NEPA FONSI: November 2016
- USACE Sec 10/404 Individual Permit issued
- NJDEP permits issued
- FTA Construction Grant awarded June 2017
- Construction to begin 2019 and finish 2021

# FTA: NJ TRANSIT – NJ TRANSITGRID PROJECT

Project cost: \$577,353,000

•Federal funds (FTA): \$409,764,814

•Non-Federal funds: \$167,588,186

Status: Planning/Design

New Jersey Transit Corporation proposes natural gas-powered electric generation system to power segments of the northeast New Jersey commuter rail lines and the Hudson Bergen light rail lines.

The system will allow transit to continue to operate in the event of a failure in the regional commercial power grid.

Proposal includes:

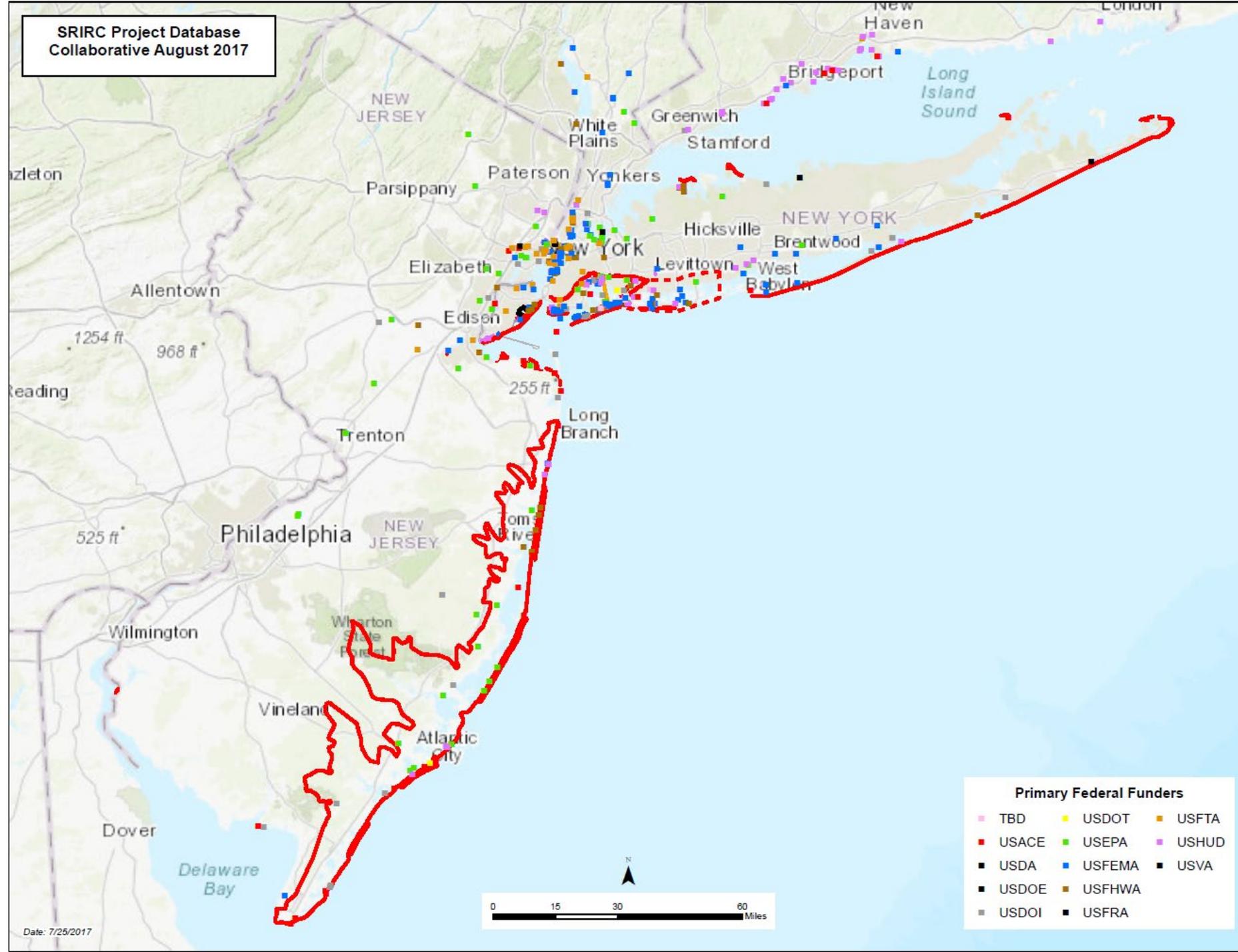
- A 104-140 MW natural gas central power plant on a 20-acre site in Kearny, NJ, between the Hackensack River and the NJ TRANSIT Meadowlands Maintenance Complex
- New transmission lines along the Morris & Essex commuter rail line from East Newark to the Hoboken Rail Yard

Project Update:

- DEIS is in process
- Current target date for FEIS/ROD is Spring 2019

# HUD: HUDSON RIVER PROJECT - TIMELINE





# SRIRC Projects Database – Infrastructure Projects in the Raritan Bay Area



- DOI Projects
- FHWA Projects
- USACE Authorized Construction Footprint
- USACE HRE CRP Study Regions
- EPA Projects
- FTA Projects
- USACE Authorized Study Boundary
- FEMA/HUD Buyout Areas (Approximate)
- FEMA Projects
- EPA/FEMA WWTP Project

Map Created by: blacasse  
 Initial Map Creation: (05 December 2016)  
 Coordinate System: WGS 1984 World Mercator  
 Data Sources: FEMA, ESRI, EPA, DOI, HUD, USACE, DOT

# NJ Top Projects

<b>1. Acquisition – Woodbridge</b>	<b>\$54,200,636</b>
<b>2. Acquisition – Sayreville</b>	<b>\$48,440,196</b>
<b>3. Acquisition – South River</b>	<b>\$15,226,224</b>
<b>4. Elevation – Toms River</b>	<b>\$1,700,070</b>
<b>5. Generator – DEP/ Mercer County</b>	<b>\$2,100,930</b>
<b>6. Retail Fuel Energy Efficiency Statewide</b>	<b>\$2,546,156</b>
<b>7. NJ Statewide Planning project</b>	<b>\$2,875,000</b>



# NJ Resiliency

- **Community Profiles & Resiliency Indicators**
- **Community Flood Resilience Toolkit**
- **Mitigation Benefit Estimator**
- **10 Year Grant – Overview**
- **Integration of Plans, Key Programs & Outreach**

# 10 Year Grant Proposal

## MULTI-YEAR FUNDING PLAN APPROACH AND BENEFITS



### ADVANTAGES OF MULTI-YEAR FUNDING PLAN

- Deliberate and **focused approach to mitigation**
- Predictable funding** drives continuous progress towards a long-term mitigation vision
- Increased economies of scale. **Up to 75% more efficient than single year funding**
- Shift of mindset/strategy to think on a grander scale for **maximum impact** and a greater contribution towards Moonshot goals
- Better local buy-in and **adequate time to plan** and prepare
- Improves opportunity for partnership** and leveraging other funding
- Increase chance of **building culture of resilience** at local level



IMPLEMENTATION WILL SIGNIFICANTLY CHANGE THE RISK PROFILE OF THE STATE ACHIEVING APPROXIMATELY \$1.5B IN LOSSES AVOIDED



### HOMEOWNER BENEFITS

- Protect their most important investment
- Reduce flood insurance premiums by an average of \$760 per year
- Increase home value and improve resale ability
- Supports community recovery and reduces burden



Elevating your house above Base Flood Elevations (BFEs) can reduce your flood insurance premium by 50% or more!\*



### STATE AND COMMUNITY BENEFITS

- Shift from a "reclipt" state to a "neutral" state
- Improved Community Rating System (CRS) score
- Increase NFIP policies** and contribute an additional \$240,000 annually in premiums towards the financial stability of the program
- Reducing impact to, and reliance on, other federal, state, and non-governmental programs
- Build sustainable and resilient communities
- Creating a revolving community resiliency fund
- Increased tax base and job creation



This proposed plan for multiple-year funding will help to greatly reduce the number and size of claims in the future, thereby shifting New Jersey closer to its goal of becoming a "neutral" state.

New Jersey is third highest state for total amount of claims to the NFIP. In order to increase the resiliency of the State and improve the solvency of the NFIP, a grant will be sought to mitigate structures viewed as the most at risk during a disaster.

# THANK YOU



**FEMA**



**HUD**



**USACE**



**EPA**



**DOI**



**DOT**