



Mayor Dawn Zimmer

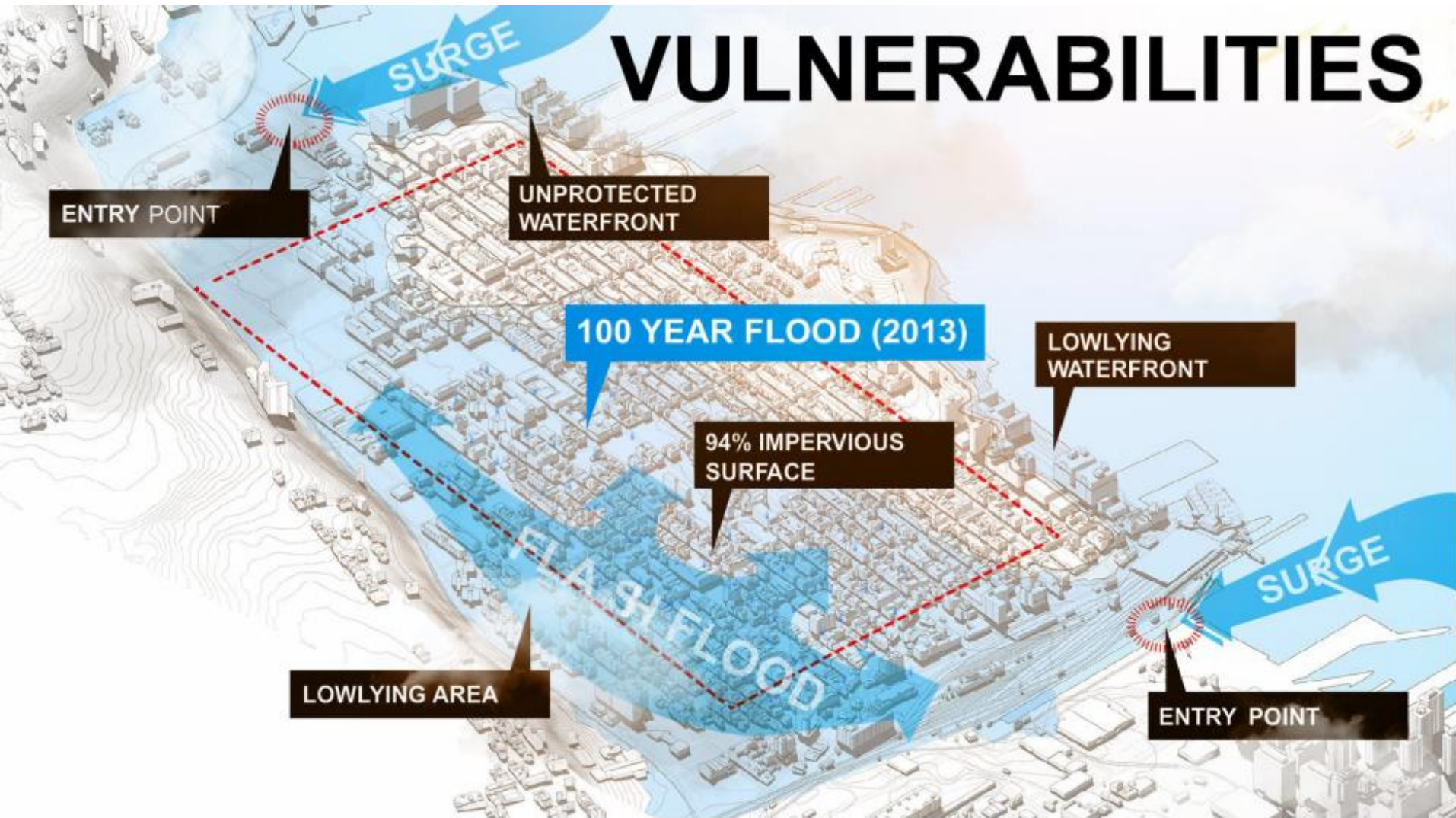
City of Hoboken, NJ
@dawnzimmernj



Resilient Nation Partnership Network Annual Forum
“Innovation in Resilience”
November 8, 2017

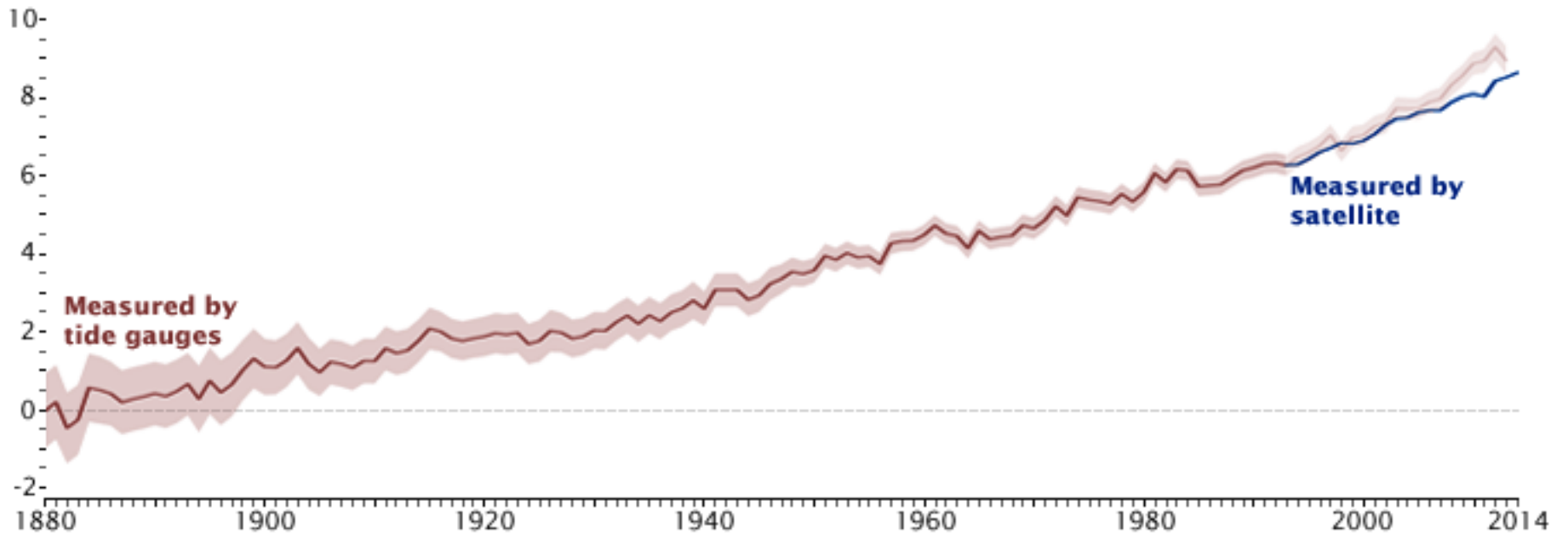
Hoboken's dual flooding risk

Coastal flooding & flash flooding



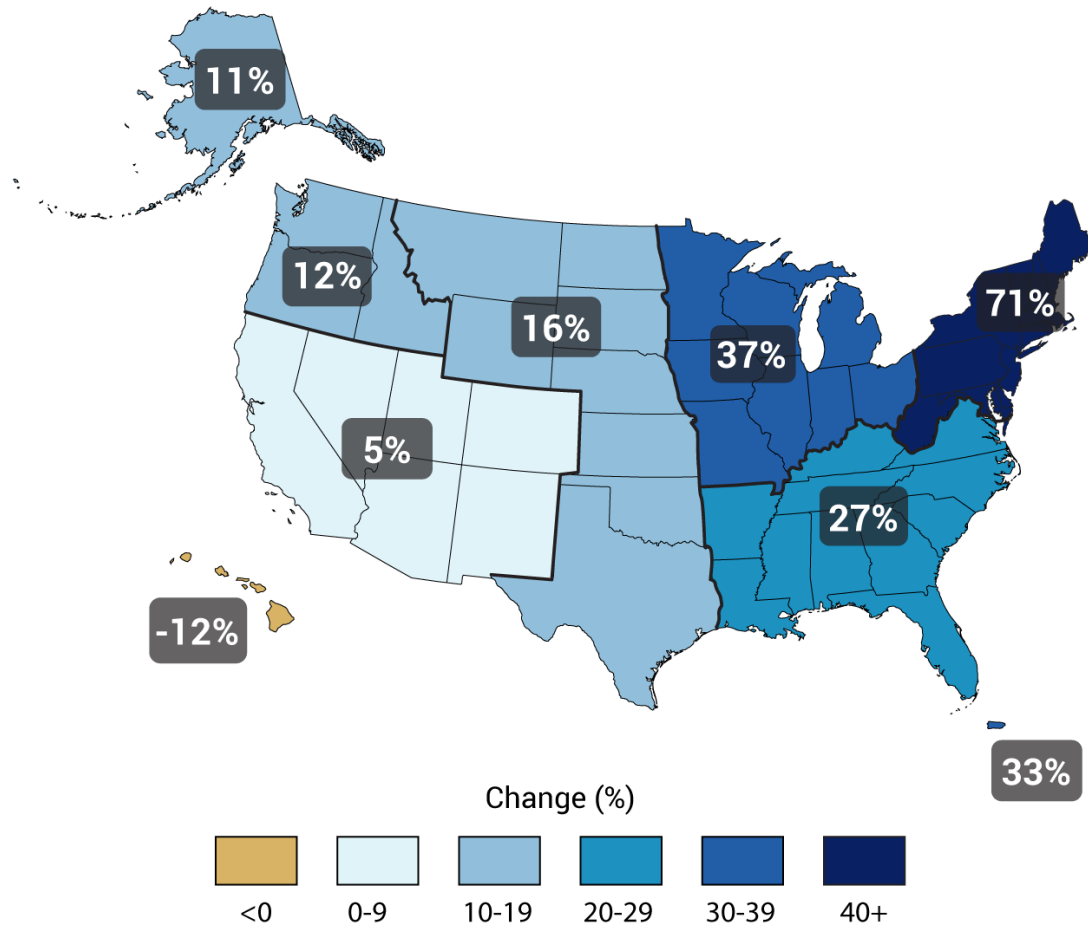
Sea level rise

Globally Averaged Sea Level Change (in)



When it rains, it pours




Observed Change in Very Heavy Precipitation







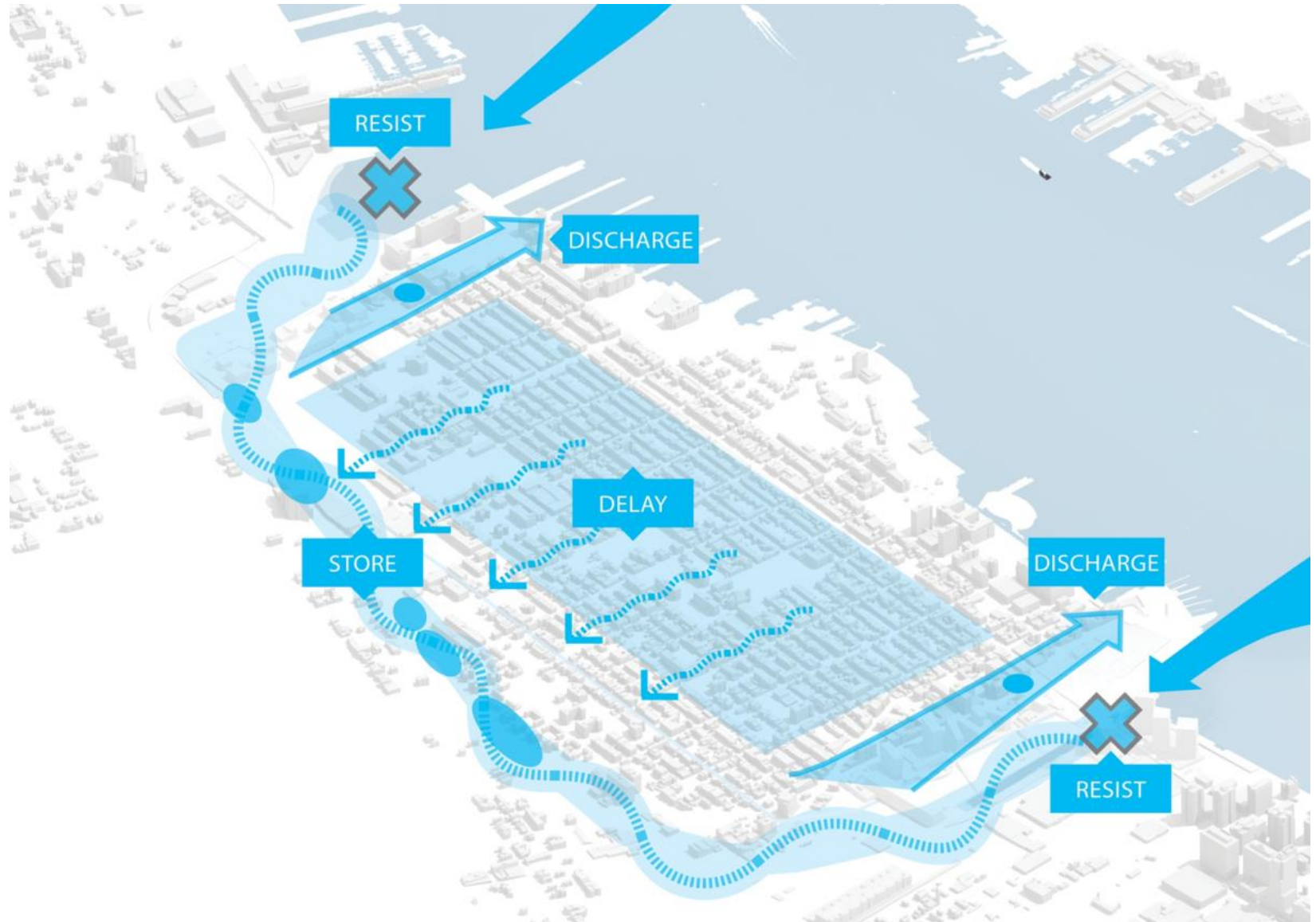
Hoboken, NJ Flood Map National Flood Hazard (Sandy Area)

-  FEMA Effective Flood Zones Sandy
-  FEMA 0.2% ANNUAL CHANCE FLOOD HAZARD
-  No Flooding
Less Than 0.2% Annual Flood Risk



Rebuild by Design

Resist, Delay, Store, Discharge



Rebuild by Design

Flood protection provides co-benefits



Weehawken Cove
[16th St & Park Ave]

Rebuild by Design

Flood protection provides co-benefits



Rebuild by Design

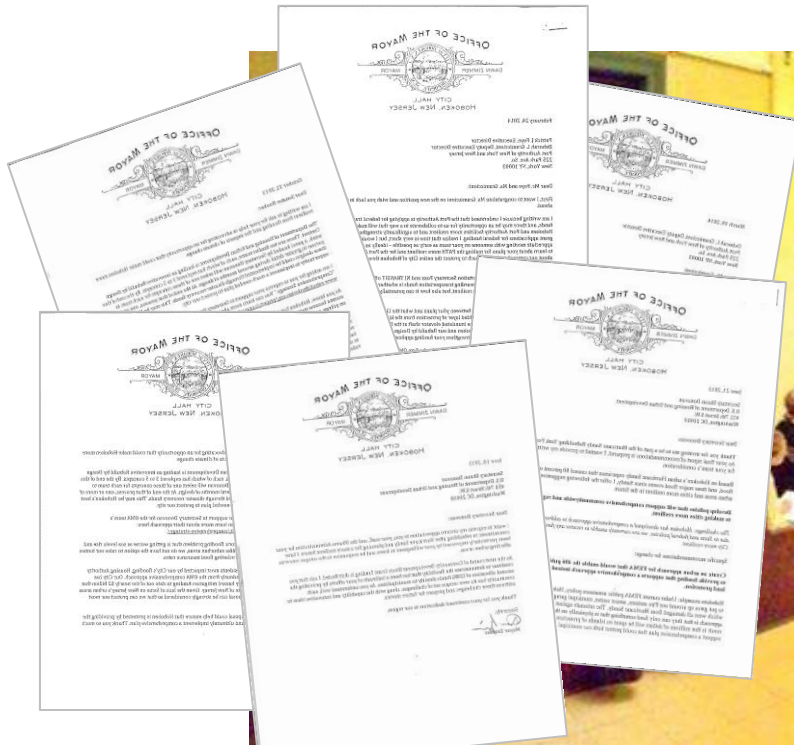
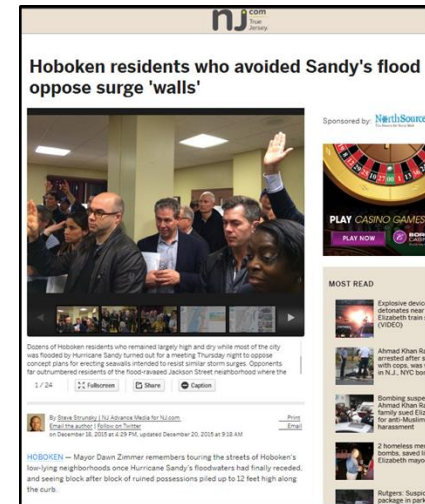
Benefits

- Allowed for innovative solutions from experts around the world
- Provided a framework for collaboration between federal, state, and local governments
- Will result in a model project that can demonstrate our ability to adopt and protect

Rebuild by Design

Lessons learned

- Recognized everyone comes to the conversation from a different place.
- Important to engaged in an extensive community process with expanded communications and outreach



Resiliency Parks

Southwest Park – NJ’s first “resiliency park”



Resiliency Parks

Southwest Park – NJ's first "resiliency park"



Resiliency Parks

7th & Jackson Park



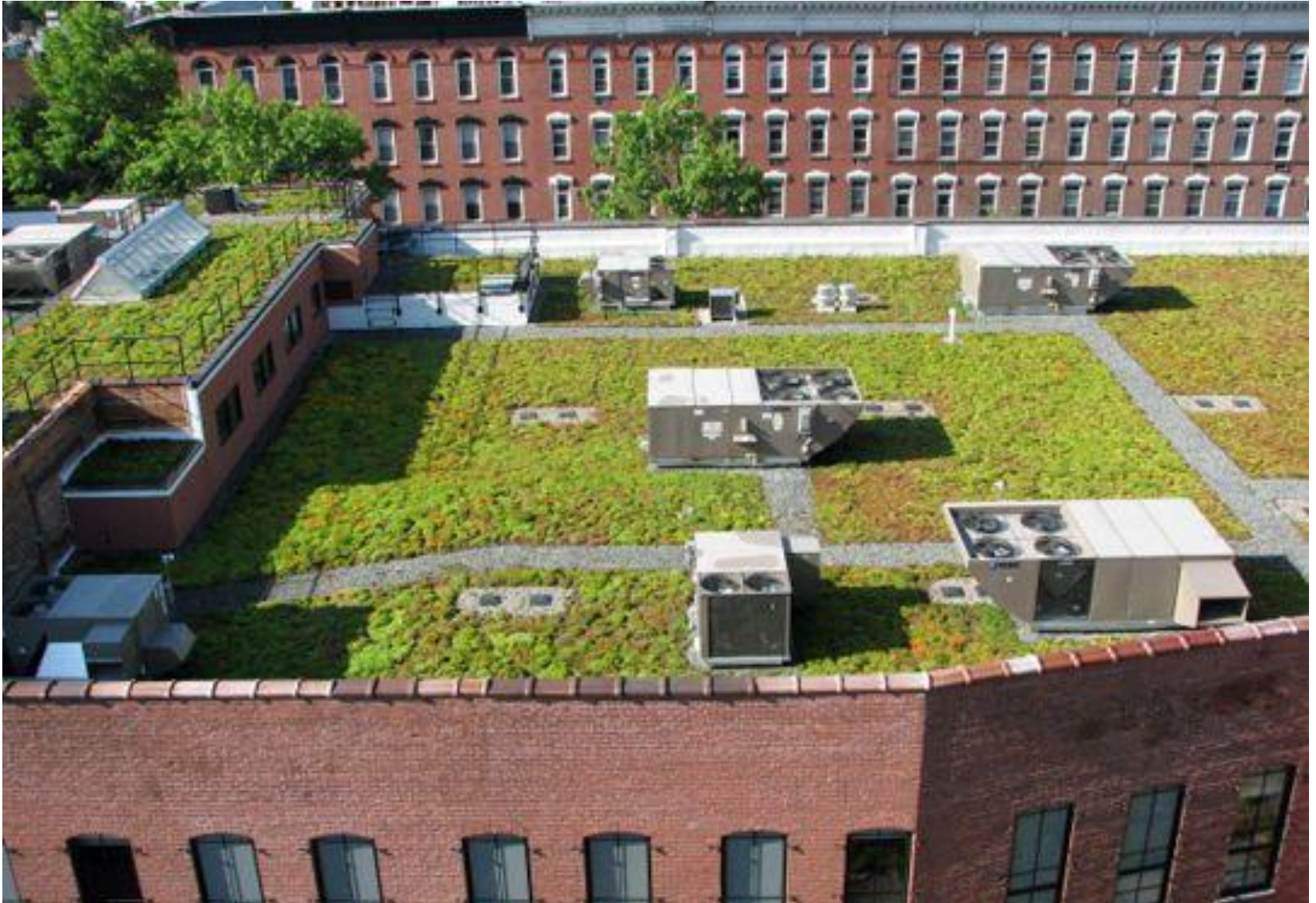
Resiliency Parks

Northwest Park



Green Roof Incentives

100,000+ sf of green roofs incentivized through Zoning code



Social Resiliency

Community Emergency Response Team



Energy Resiliency

Substation Elevation



Energy Resiliency

Elevated backup generators



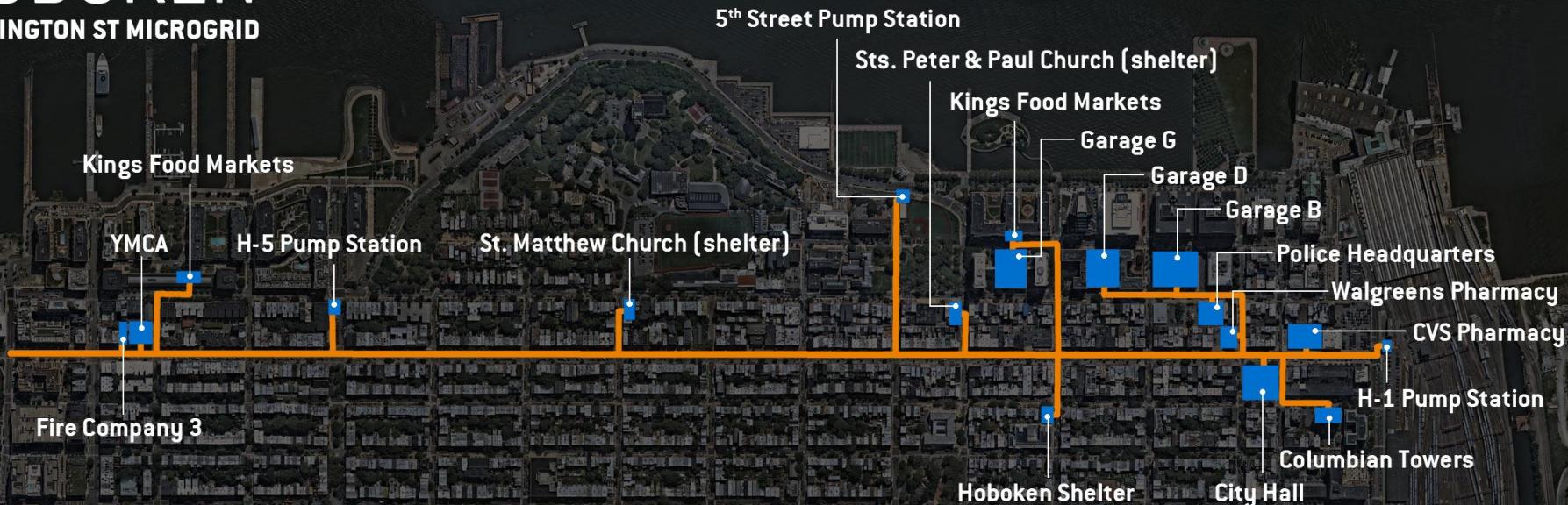
Energy Resiliency

Electric Microgrid

- Police, Fire, EMS, City Hall
- Hospital, sewage treatment plant, flood pumps
- Gas station, grocery stores, pharmacies
- Shelter locations, vulnerable populations

HOBOKEN

WASHINGTON ST MICROGRID





Thank you.