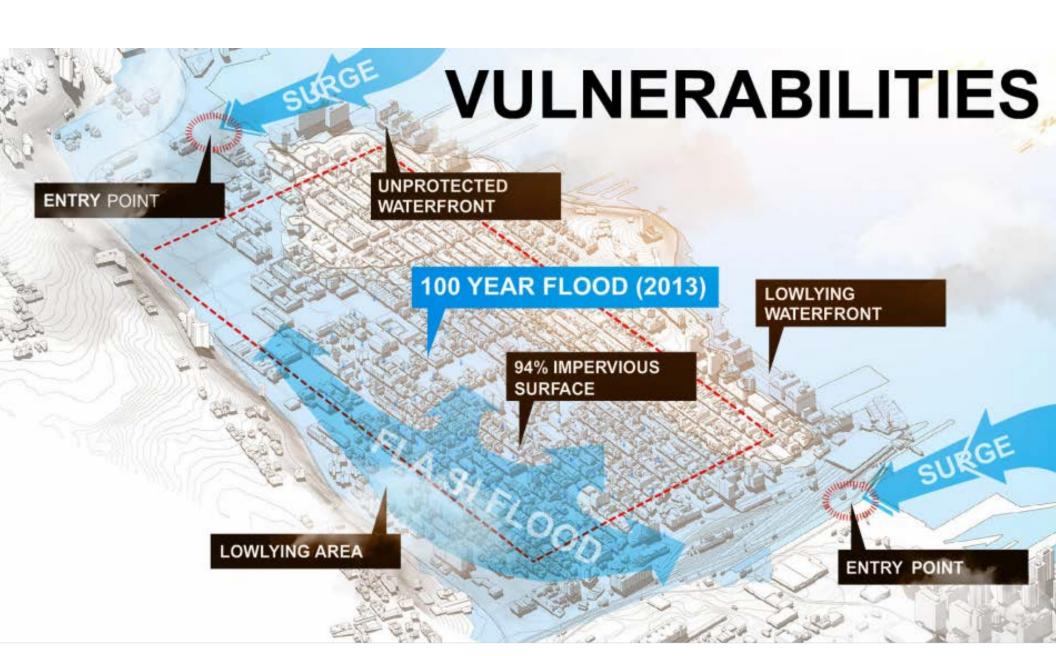


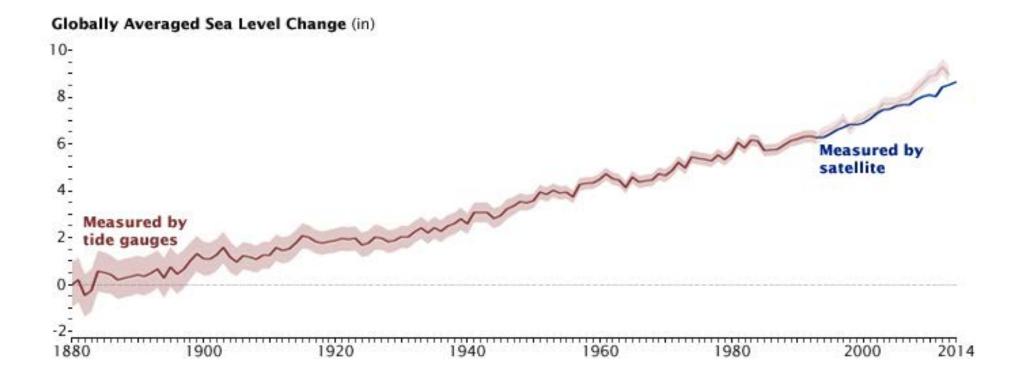


Hoboken's dual flooding risk

Coastal flooding & flash flooding

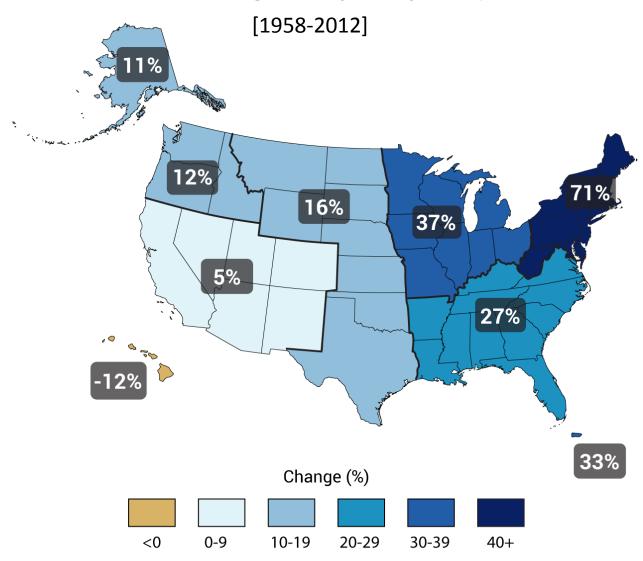


Sea level rise



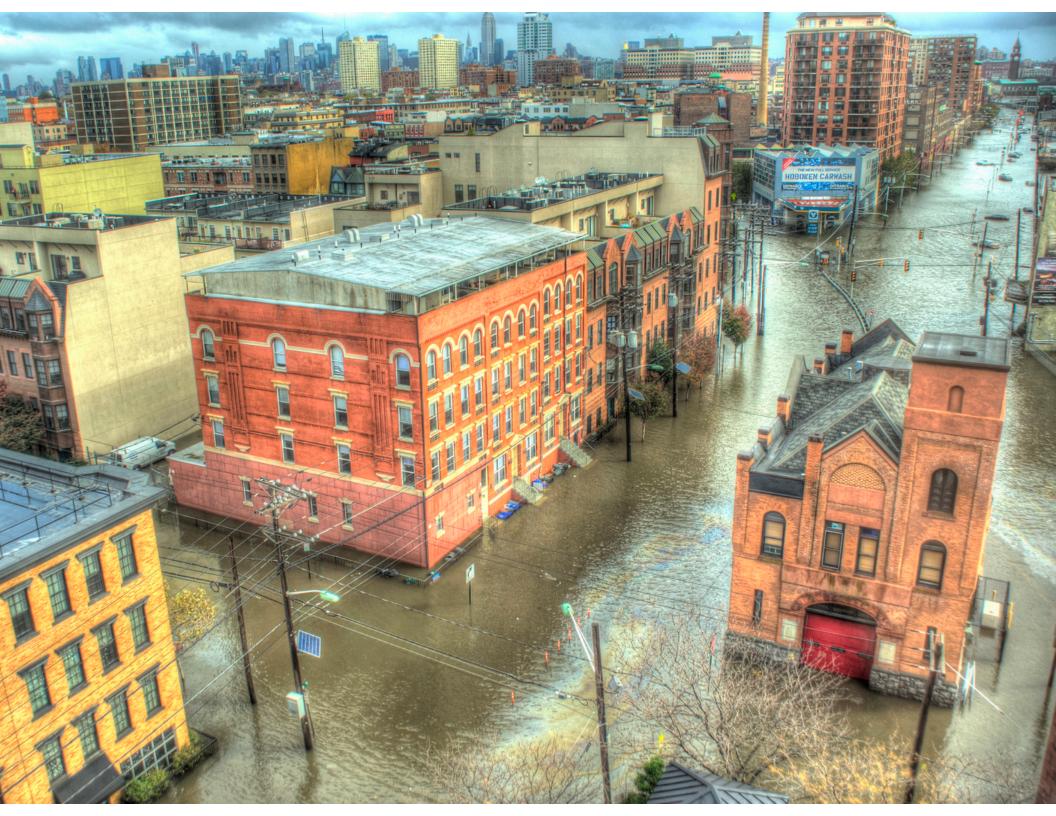
When it rains, it pours





National Climate Assessment

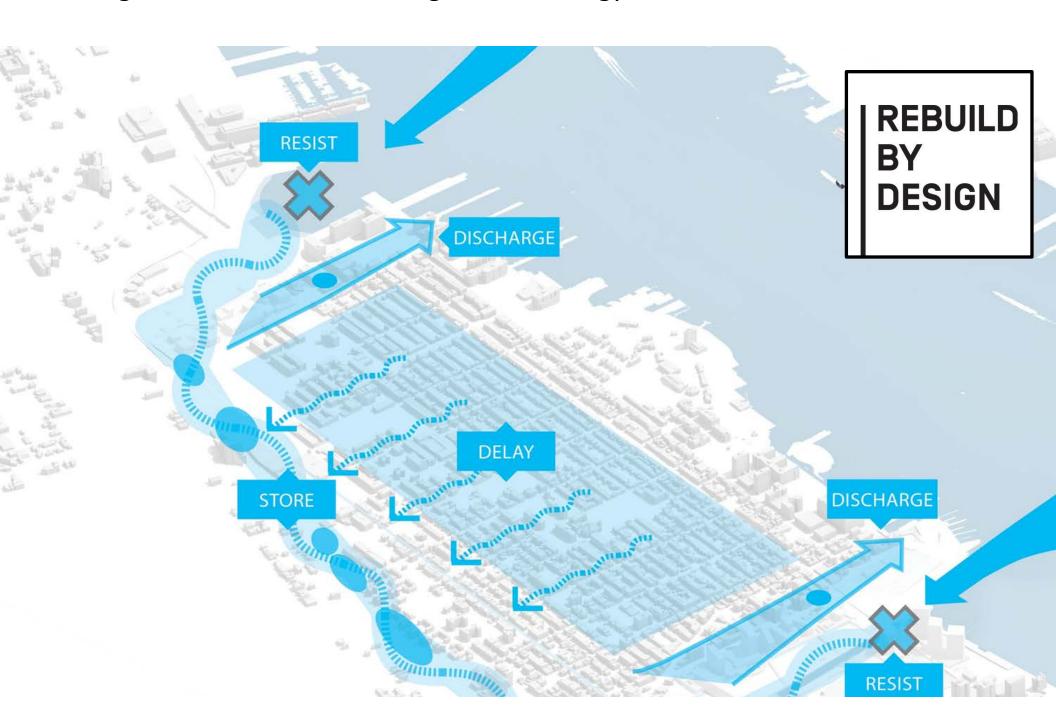






Resist, Delay, Store, Discharge

An integrated urban water management strategy



OFFICE OF THE MAYOR DAWN ZIMMER CITY HALL JERSEY HOBOKEN. NEW JERSEY

Tam writing to ask for your help in advocating for an opportunity that could make Hoboken more fam writing to ask for your help in advocating for an opportunity that could make Hoboken more fam writing to ask for your help in advocating for an opportunity that could make Hoboken more family for an opportunity that could make Hoboken more family for an opportunity that could make Hoboken more family for an opportunity that could make Hoboken more family for an opportunity that could make Hoboken more family for an opportunity that could make Hoboken more family family for an opportunity that could make Hoboken more family fam Busing and Urban Development is leading an innovative Rebuild by Design of this concepts for each team to concepts for each team to concepts for each team to concept for each team to concept for each team to concept for each of which has each or each of these concepts for each of which has each of which the each of these concepts for each of the each o October 31, 2013

OFFICE OF THE MAY DAWN ZIMMER CITY HALL

HOBOKEN, NEW JERSEY

October 31, 2013

The Deps Contest week, a

pursu

Dear Senator Menendez:

I am writing to ask for your help in advocating for an opportunity that cou resilient from flooding and the impacts of climate change.

The Department of Housing and Urban Development is leading an innovati-Contest. There are ten finalist teams, each of which has explored 3 to 5 cond week, a panel headed by Secretary Donovan will select one of these concept pursue in greater detail during several months of design. At the end of that p these designs could be implemented through disaster recovery funds. This n opportunity to implement a much-needed plan to protect our city.

1 am asking for you to express your support to Secretary Donovan for the OM "Comprehensive Strategy." You can learn more about their approach here: www.rebuildbydesign.org/project/comprehensive-strategy/.

As you know, Hoboken has a historic flooding problem that is getting worse as storms become more intense. Unlike suburban areas, we do not have the option on pilings, yet we are facing skyrocketing flood insurance rates.

Our entire City, including the residents most impacted by our City's flooding, Ho residents, would benefit tremendously from the OMA comprehensive approach. received \$342,000 for resiliency hazard mitigation funding to date out of the nea has been distributed in the State of New Jersey. Given the lack of focus on New Je to date, I hope that OMA's proposal can be strongly considered so that we can provulnerable residents.

Your support for the OMA proposal could help ensure that Hoboken is protected by funding to evaluate, develop and ultimately implement a comprehensive plan. Tha for your consideration.

O~ ~ Mayor Zimmer



CITY HALL HOBOKEN, NEW JERSEY

February 24, 2014

Patrick I. Fove. Executive Director Deborah L. Gramiccioni, Deputy Executive Director Port Authority of New York and New Jersey 225 Park Ave So New York, NY 10003

Dear Mr. Foye and Ms. Gramiccioni:

First, I want to congratulate Ms. Gramiccioni on the new position and wish you luck in the years

I am writing because I understand that the Port Authority is applying for federal transportation funds, and there may be an opportunity for us to collaborate in a way that will make both the City of Hoboken and Port Authority facilities more resilient and to significantly sta grant applications for federal funding. I realize that appreciate meeting with



June 18, 2013

U.S. Department of Housing and Urban Development Secretary Shaun Donovan 451 7th Street S.W. Washington, DC 20410

I want to express my sincere appreciation to you, your staff, and the Obama Administration for your want to express my sincere appreciation to you, your stall, and the Obama Administration for your commitment to rebuilding after Hurricane Sandy and planning for a more resilient future. I have after the particularly impressed by your willingness to listen and be responsive to the unique concerns the property of the

As the next round of Community Development Block Grant funding is distributed, I ask that you As the next round of community bevelopment Block Grant runging is distributed, it ask that you continue to demonstrate the flexibility that has been a hallmark of your efforts by providing the continual allowance of CDEC funds dispatched and administration of CDEC funds dispatched and continue to demonstrate the flexibility that has been a hallmark of your efforts by providisecond allocation of CDBG funds directly to municipalities. As you understand well, each second allocation of CDBG runos directly to municipalities. As you understand well, each community has its own unique set of challenges, along with the capability and innovative ideas to confident these deallocates and prepared for future groups. address those challenges and prepare for future storms.

Thank you for your continued dedication to our region.

your team, and to hear your plans for protecting the PATH stat If at all possible, we would sincerely appreciate a letter of support from the Port A If at all possible, we would sincerely appreciate a letter of support from the Port AdSecretary Donovan for the OMA team's submission to the Rebuild by Design compaAdministration of the Company of Secretary Donovan for the UMA team's submission to the Rebuild by Design compediateused, this comprehensive water management strategy titled "Resist, Delay, Sto designed to protect all of Hohokon, as well as name of Wanhambandan and Jareau City, I discussed, this comprehensive water management strategy titled "Resist, Delay. Sto designed to protect all of Hoboken, as well as parts of Weehawken and Jersey City. To hardening the terminal in order to provide a physical laver of protection from storm component could include extending Pier A Park between the pier and Hoboken Term hardening the terminal in order to provide a physical layer of protection from storm than a provide a physical layer of protection from storm to the provide and the provide of the part of th hardening the terminal in order to provide a physical layer of protection from storm. the area through which the storm surge entered which led to the flooding of the PATT the manufacture of the part of the part

the area through which the storm surge entered which led to the Hooding of the PALE through the elevator shaft. The proposal is designed to protect from a 500 year storm In combination with your efforts to protect your assets, this strategy would provide an narmanant lawar of moteories was tree to the Dare Authorities on a first bank on the to in combination with your enorts to protect your assets, this strategy would provide an permanent layer of protection not just to the Port Authority's assets in Hoboken, but to

Mayor Zimmer

Patrick J. Foye, Port Authority of New York and New Jersey Executive Director CC: Patrick J. Poye, Port Authority of New York and New Jersey Exec Marc Ferzan, NI Governor's Office Of Recovery And Rebuilding James S Simpson, NJ Transportation Commissioner Daniel Pittman, OMA



1013

Shaun Donovan ment of Housing and Urban Development DC 20410

V Donovan-

inviting me to be a part of the Hurricane Sandy Rebuilding Task Force. port of recommendations is prepared, I wanted to provide my written suggestions

en's urban Hurricane Sandy experience that caused 80 percent of our City to pajor flood events since Sandy, I offer the following suggestions to make our

hat will support comprehensive communitywide and regional approaches

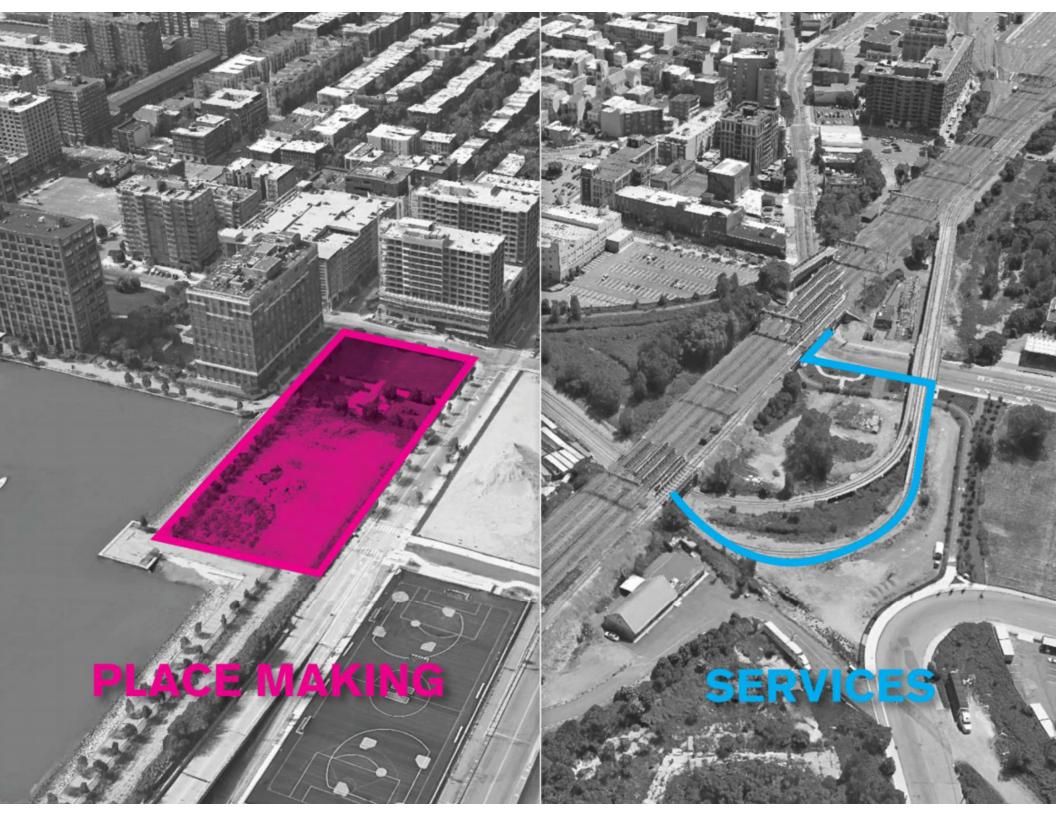
ken has developed a comprehensive approach to address our flooding, but ral policies, we are currently unable to receive any funding to make our

ons for change:

ach for FEMA that would enable the 406 public assistance program supports a comprehensive approach instead of islands of municipal

current FEMA public assistance policy, Hoboken can only get funding Fire stations, senior center, municipal garage, and parking garage m Hurricane Sandy. The rationale against funding a comprehensive y fund something that is physically on the municipal property. The us will be spent on islands of protection instead of funding to that could protect both our municipal properties and all of the

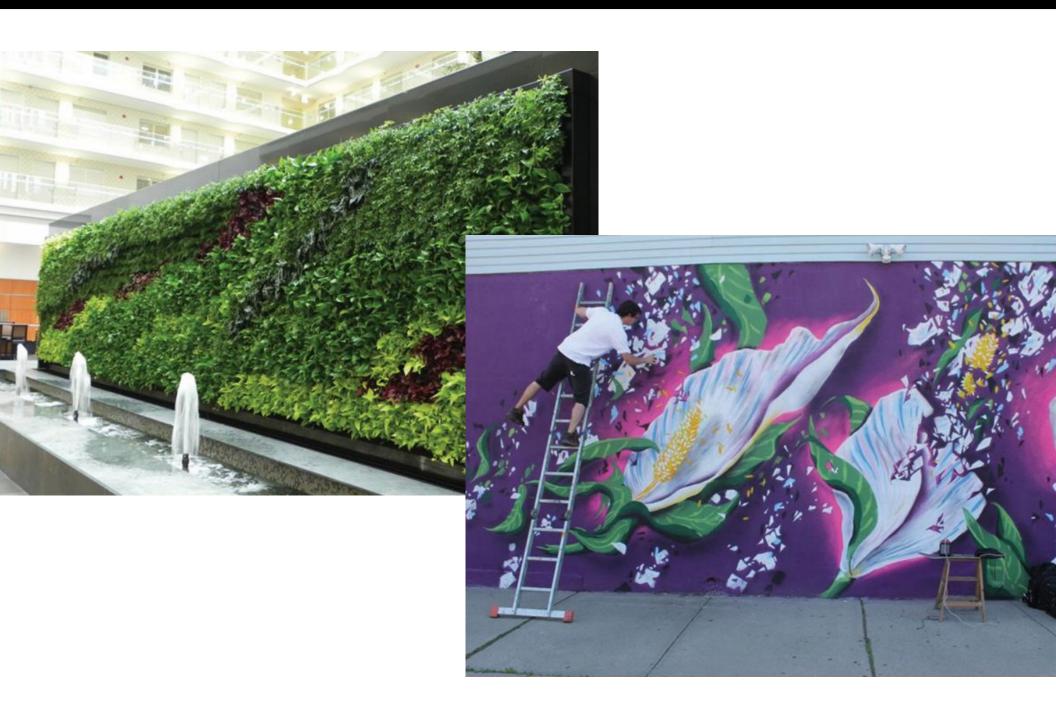




"Resist" – waterfront park



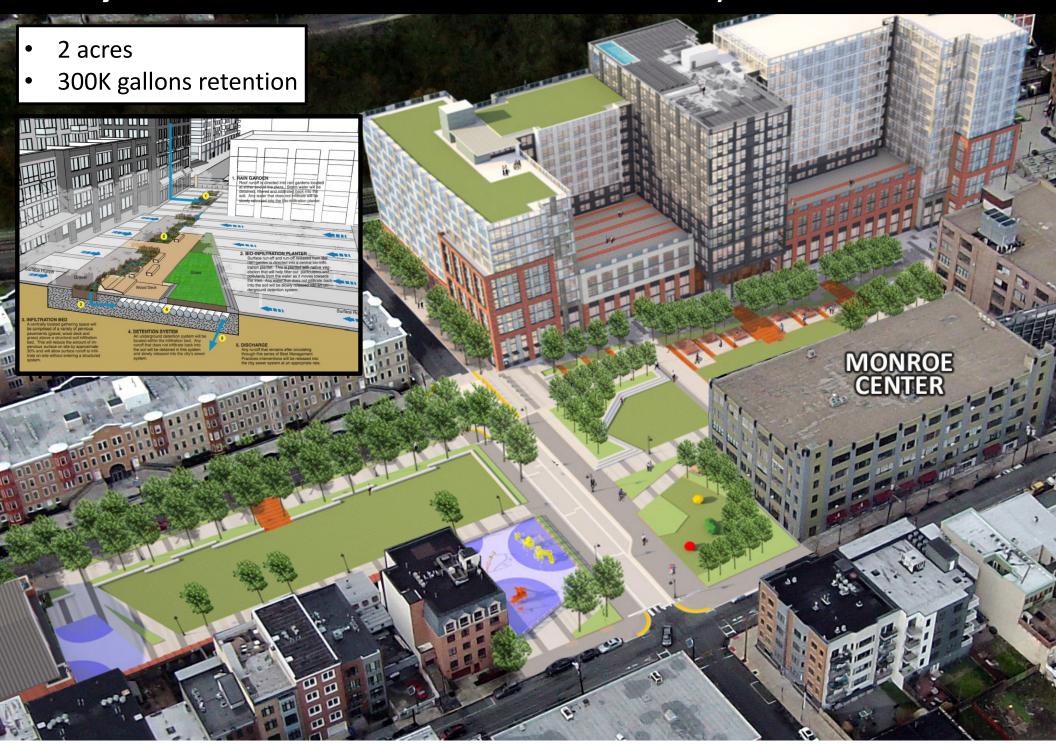
"Resist" – Green wall/art



"Delay" & "Store" — Southwest Resiliency Park



"Delay" & "Store" – 7th & Jackson Resiliency Park



"Delay" & "Store" – BASF Resiliency Park



"Delay" & "Store" - City Hall Demonstration Project



"Discharge" - H-5 Wet Weather Pump Station



City Resiliency Funding Sources

- Municipal Open Space Trust Fund
- Grants
- NJ Environmental Infrastructure Trust Loans
- Redevelopment Agreements
- Infrastructure Trust Fund



"Resist" Alignment <u>5 Concepts</u> →

3 Alternatives →

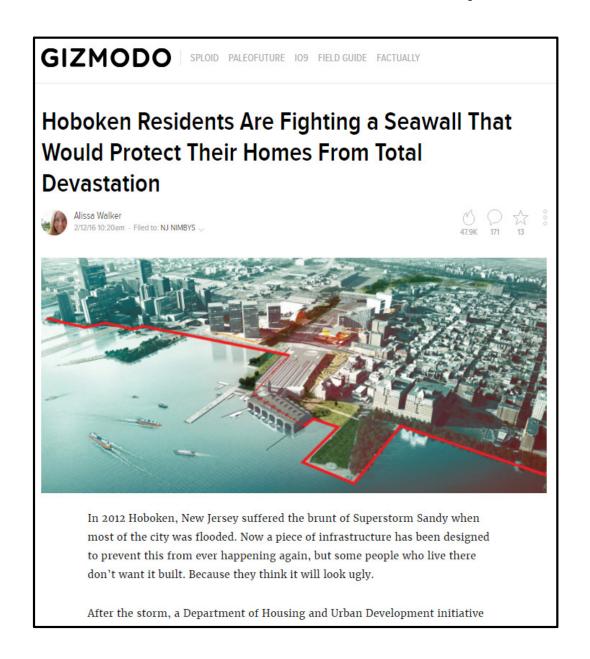
1 Preferred Alternative

Community Process

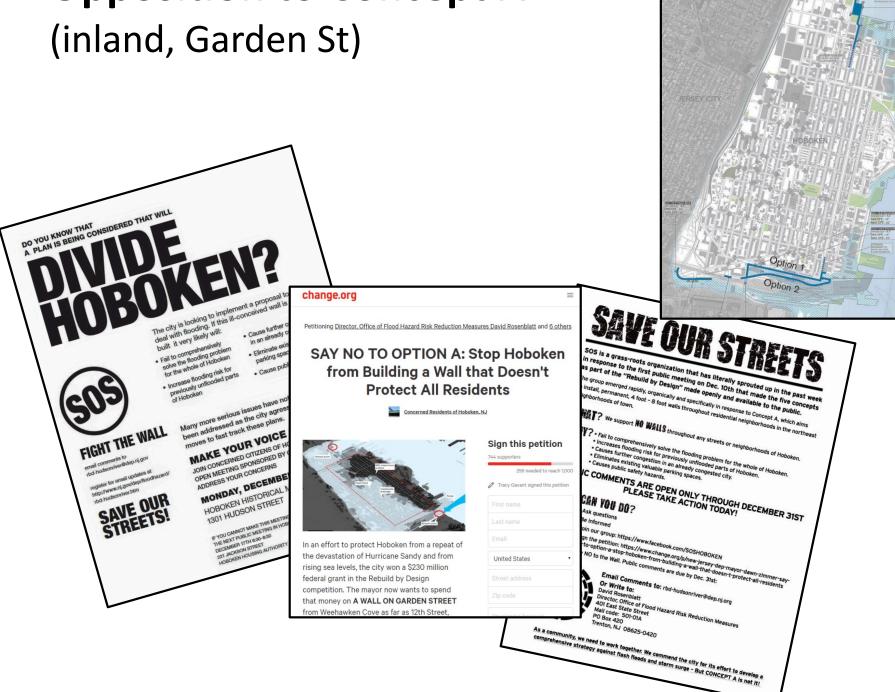
- Citizens Advisory Group
- Community meetings
- Drop-in sessions
- Neighborhood meetings
- Social media



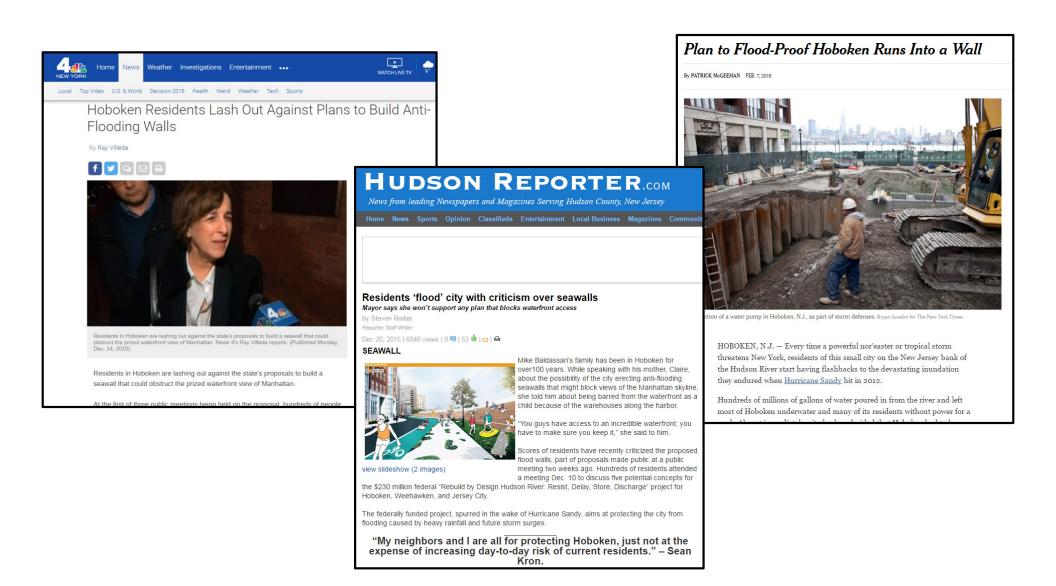
Problem solved? Not quite.



Opposition to Concept A



Opposition to All Options



How to build consensus

- Recognized everyone comes to the conversation from a different place.
- Engaged in real community process.
- Expanded communications and outreach.
- Emphasized design process.



"Resist" Alignment

5 Concepts →

3 Alternatives →

1 Preferred Alternative

New alignments reflected feedback and ideas from community.

Resist

Alternative 1

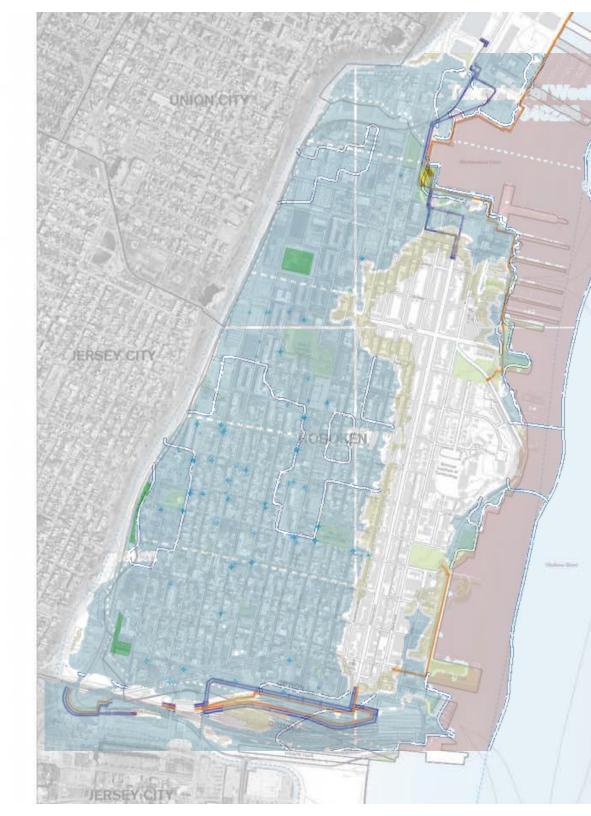
— Alternative 2

Alternative 3

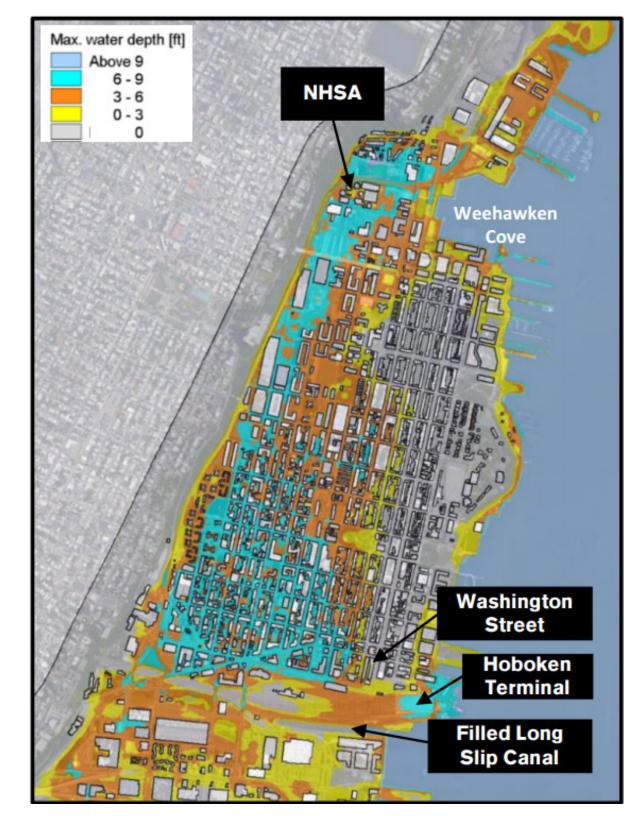
Delay, Store, Discharge

Large Sites

Public Right of Way Sites



No Action Alternative



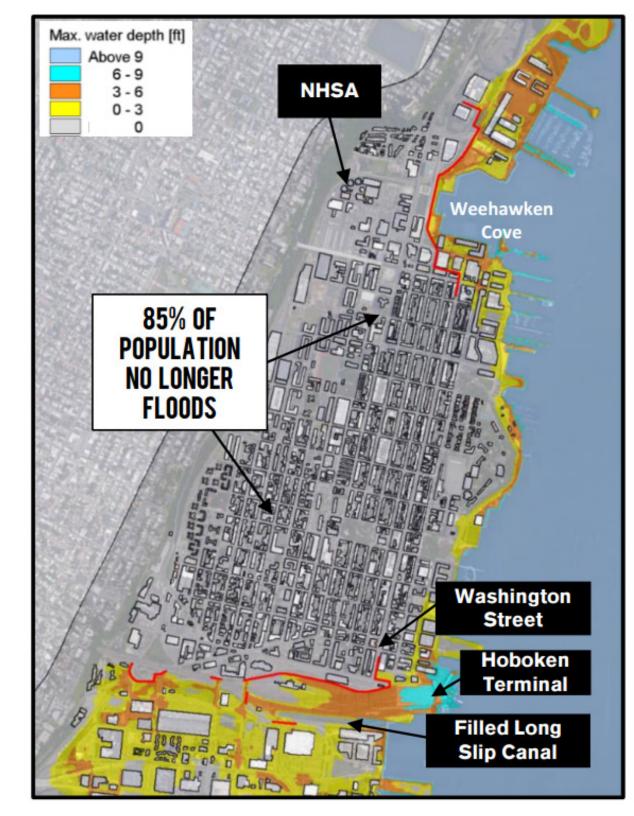
"Resist" Alignment

5 Concepts →

3 Alternatives \rightarrow

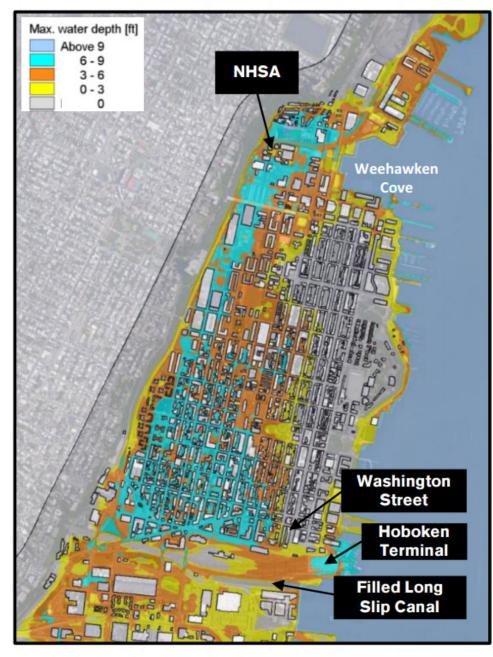
1 Preferred
Alternative (Alt 3)

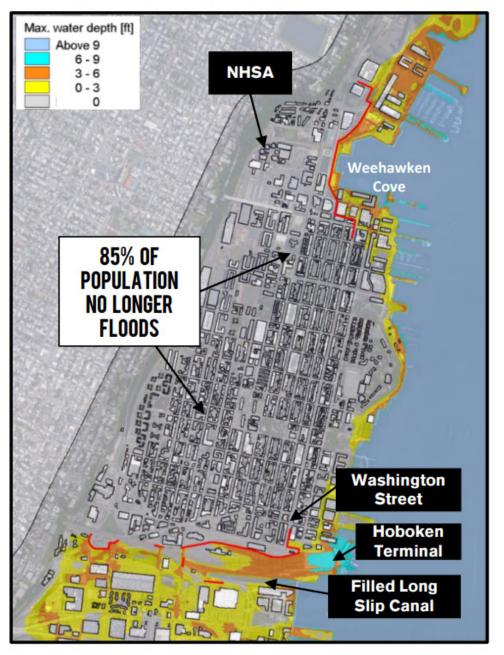
With Alternative 3











Key to Success

- 1. Design really matters. Project must complement and add to urban landscape.
- 2. Need true collaboration & to listen to feedback
- Extensive communications is critical
- 4. Solid engineering

Next steps

- Promote preferred alternative
- Environmental Impact Statement hearing
- Continue involving community in design process next 18-24 months.
- Work towards comprehensive plan provide information, workshops, possible grant program to protect 52 unprotected properties.
- Determine operations and maintenance plan and agreement.

Rebuild by Design

Preferred Alternative Flyover

