

Impact Definitions

Less-Than-Significant

- Impact **BELOW** significance threshold
- Measurable change on local or regional level
- Mitigation measures or best management practices (BMPs) may be recommended

Potentially Significant Adverse

- Impact **EXCEEDS** significance threshold
- Measurable change on local or regional level. If regulatory standards apply, standards would not be met
- Mitigation measures and BMPs are required. May or may not be able to be mitigated to less-than-significant levels

Beneficial

- Would cause a positive change or improvement in the environment
- No mitigation measures or BMPs necessary



21 Technical Resource Areas Analyzed

<b>LAND USE + LAND USE PLANNING</b>		Visual Quality/Aesthetics
Socioeconomics, Community/Populations, and Housing		
Air Quality and GHG Emissions	Recreation	
<b>NOISE + VIBRATION</b>	Environmental Justice	
Geology and Soils	<b>CULTURAL RESOURCES</b>	
Global Climate Change and Sea Level Change		
<b>BIOLOGICAL RESOURCES</b>		Public Services
Coastal Zone Management	Sustainability/Green Infrastructure	
Utilities and Service Systems	<b>WATER RESOURCES</b>	
<b>HYDROLOGY + FLOODING</b>	Mineral and Energy Resources	
Agricultural Resources and Prime Farmlands		
<b>HAZARDS + HAZARDOUS MATERIALS</b>		
Transportation and Circulation		



Environmental Impact Analysis

The following impacts could occur as a result of the Proposed Project under Alternatives 1, 2, and 3.

Beneficial Impacts

- Increased Flood Protection
- Improved Stormwater Conveyance
- New Green Infrastructure
- Improved Water Quality
- New Public Access to Hackensack River
- New Parks and Recreation
- More Pedestrian Pathways
- Upland Habitat Enhancements
- Wetland Creation / Enhancement
- New Construction and Operations & Maintenance (O&M) Jobs

Short-term Impacts (Construction)

- Noise / Vibration
- Dust / Air Emissions
- Traffic Disruption
- Property Easement Acquisitions
- Vegetation Removal / Soil Disturbance
- In-water Construction / Wetland Impacts
- Disruption of Contaminated Sites
- Temporary Upland and Wetland Habitat Disturbance

Long-term Impacts (O&M)

- Noise (Pump Stations)
- Sediment Transport (Improved Stormwater Conveyance)
- Utility Use
- Periodic Maintenance / Temporary Road Closures

REBUILDBYDESIGN  
MEADOWLANDS

DRAFT ENVIRONMENTAL  
IMPACT STATEMENT (DEIS)  
PUBLIC HEARING

TUESDAY, JUNE 26, 2018

Robert L. Craig Elementary School  
20 West Park Street  
Moonachie, New Jersey, 07074



AECOM



What's the Story?

The Rebuild By Design Meadowlands (RBDM) Flood Protection Project (Proposed Project) is a comprehensive urban water management project designed to reduce the risk of floods from coastal storm surges and/or systemic inland flooding from high-intensity rainfall events in the Boroughs of Little Ferry, Moonachie, Carlstadt, and Teterboro, and the Township of South Hackensack, all in Bergen County, NJ.

This Proposed Project was developed from a concept conceived through the Hurricane Sandy Rebuilding Task Force's RBD program, a design competition to promote the development of resiliency in the Sandy-affected region, and has been allocated \$150 million in grant funds from the United States (US) Department of Housing and Urban Development (HUD) for design and construction. In accordance with the conditions of this funding, the Proposed Project must have independent utility and be fully implemented by September 2022.

The DEIS describes three Build Alternatives to implement the Proposed Project, as well as a No Action Alternative, and analyzes the anticipated environmental impacts of each. The Build Alternatives are illustrated on the following pages.

To submit comments on the DEIS at this meeting:

- Provide oral comments during the open comment session
- Fill out a Comment Card and place it in the Comment Box, located at the stenographer station

To submit comments on the DEIS after this meeting:

Submit comments and questions directly to the New Jersey Department of Environmental Protection (NJDEP) by July 15, 2018, via one of the following two methods:

Email: [rdb-meadowlands@dep.nj.gov](mailto:rdb-meadowlands@dep.nj.gov)

Mail:  
New Jersey Department of Environmental Protection  
c/o Dennis Reinknecht, Program Manager  
Bureau of Flood Resilience  
501 East State Street  
Mail Code 501-01A, PO Box 420  
Trenton, NJ 08625-0420

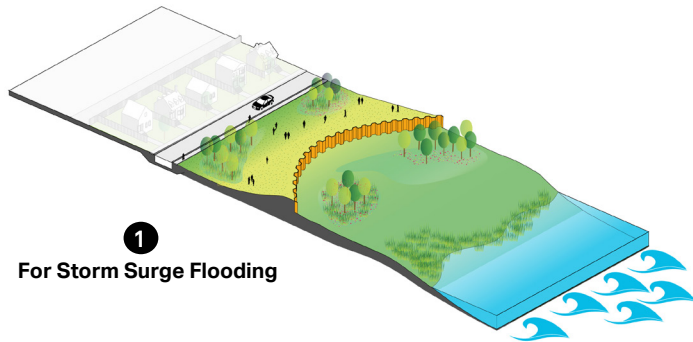
WHERE TO FIND ADDITIONAL INFORMATION

For further information, or to read the DEIS, please visit the Proposed Project's website: [www.rbd-meadowlands.nj.gov](http://www.rbd-meadowlands.nj.gov)

Alternative 1:  
Structural Flood Reduction



Alternative 1 would implement a line of protection around the Project Area that would guard against flooding from the Hackensack River and Berry's Creek during coastal storm surges. Alternative 1 would be designed to provide flood protection up to an elevation of 7 feet (NAVD 88). This height would provide protection against approximately the present-day 50-year storm surge. Public realm and ecological benefits would also be incorporated.

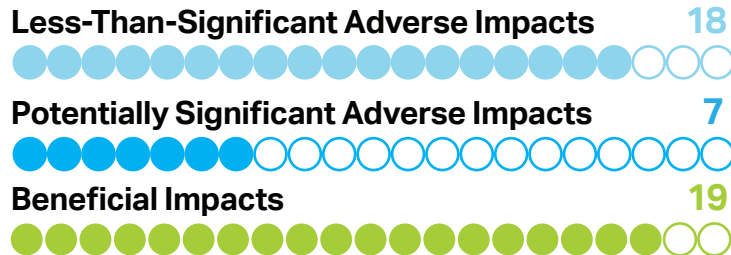


Features Include:

- ~19,700 linear feet (LF) of floodwalls
- ~900 LF of levees/berms
- a tide gate
- 8 closure gates
- a surge barrier & pump station
- 4 new parks and a riverwalk

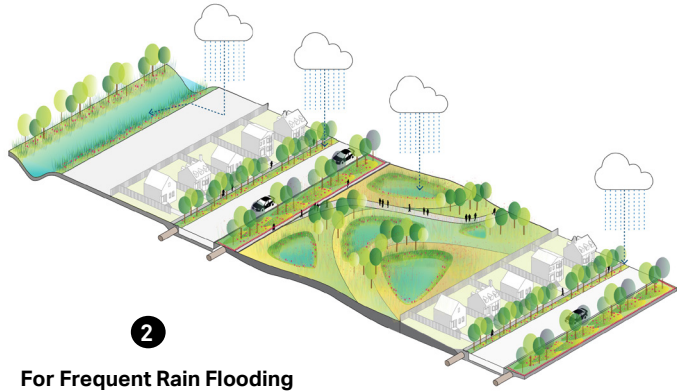
Technical Resource Impacts

21 Technical Resource Areas were evaluated. Below are the results for Alternative 1:



Alternative 2:  
Stormwater Drainage Improvements

Alternative 2 would reduce inland flooding in the Project Area that results from high-intensity rainfall events. This would be accomplished through new construction of both grey and green infrastructure in key locations throughout the Project Area to improve stormwater drainage.

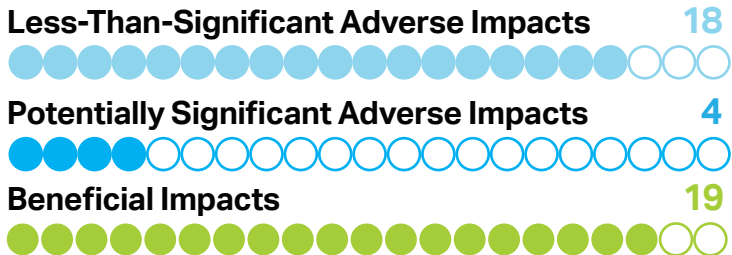


Features Include:

- 41 green infrastructure systems
- 5 new parks
- improvements to existing parks
- 3 pump stations
- 2 force mains
- East Riser Ditch improvements

Technical Resource Impacts

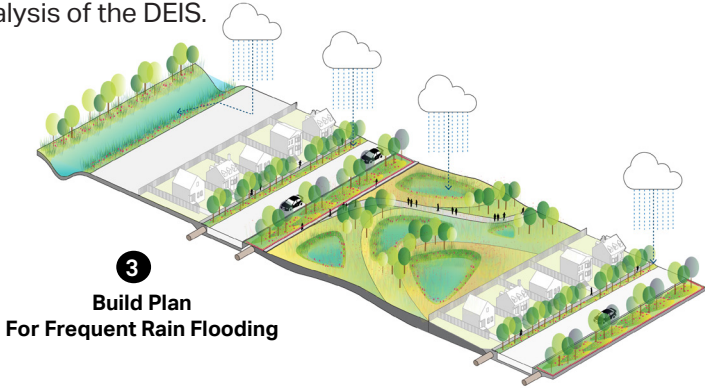
21 Technical Resource Areas were evaluated. Below are the results for Alternative 2:



Alternative 3:  
Hybrid Alternative (Build Plan)



Alternative 3 was separated into two stages: a *Build Plan* and *Future Plan*. The *Build Plan*, which could be implemented as part of the Proposed Project and is analyzed in detail in the DEIS, would reduce inland flooding in the Project Area, similar to Alternative 2. The *Future Plan*, which would include additional inland flood protection and the Alternative 1 coastal flood protection in the Project Area, could be constructed by others over time as funding sources become available and construction feasibility allows. The *Future Plan* is evaluated in the Cumulative Impacts analysis of the DEIS.



Features Include:

- 41 green infrastructure systems
- 3 new parks
- improvements to existing parks
- 2 pump stations
- 1 force main
- East Riser Ditch improvements

Technical Resource Impacts

21 Technical Resource Areas were evaluated. Below are the results for the Alternative 3 Build Plan:

