Coney Island Creek & Lower Manhattan Resiliency Studies AMS Washington Forum April 12, 2016

What Happened During Sandy?



What are we planning for and how?

- Sea level rise in New York City has averaged 1.2 inches per decade (for total of 1.1 feet) since 1900, nearly twice the observed global rate of 0.5 to 0.7 inches per decade over a similar time period.
- Projections for sea level rise in New York City show an increase between 11 inches and 21 inches by the 2050s, between 18 inches and 39 inches by the 2080s, and between 22 inches and 50 inches by 2100, with a worse case projection of up to six feet by 2100. Sea level rise projections are relative to the 2000 to 2004 base period.
- Under the high sea level rise estimate for the 2080s, the current 100year flood (a flood with a 1 percent annual chance of occurrence) is projected to become an approximately once-in-eight year event.

Investments are happening just about everywhere.



Southern Brooklyn Initiative 5: Coney Island Creek

Develop an implementation plan and conceptual designs for new Coney Island Creek wetlands and tidal barrier



How can resiliency investments improve open space and ecology?



Tidal Barrier Alignments: Level of Protection for in-water measures Plan View Bird's Eye View

1,700-foot width 0 500-foot width 500-foot width
100-year + SLR = 17 f

West Barrier: • 1,700-foot width • 100-year + SLR = 22 ft NAVD88

Comprehensive Regional Planning

Lower Manhattan Coastal Resiliency

Coney Island Creek Tidal Barrier and Wetland Feasibility Study



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