



US Army Corps
of Engineers®
New York District



Project Purpose

Three specific damage mechanisms of coastal storms were considered

Inundation



Erosion



Waves



The recommended project will manage risk against inundation, erosion and waves, reducing the potential for storm induced damages along the Atlantic Ocean coastline.

- Federal coastal storm risk management projects are typically formulated and designed to maximize net benefits, optimizing at more frequent events, i.e. 50-100 yr storms.
- The level of coastal storm risk management provided by the recommended project is equivalent to a 100-yr storm, or a storm that has a 1% chance of occurring in any given year.
- Hurricane Sandy was approximately a 180-yr storm. The recommended project would have been overtopped, but would have reduced the damages experienced.
- The project will not address coastal storm risks from the bayside of the Island.
- The project would work as part of a larger coastal storm risk management system if risk management measures are implemented along the bayside in the future.