



Working together to build back better

Rotterdam / Schenectady

Co-Chairs Dr. Quintin B. Bullock and Thomas Yuille

The content of this presentation is not final and is for demonstration purposes only. All Projects subject to review and regulatory approval.

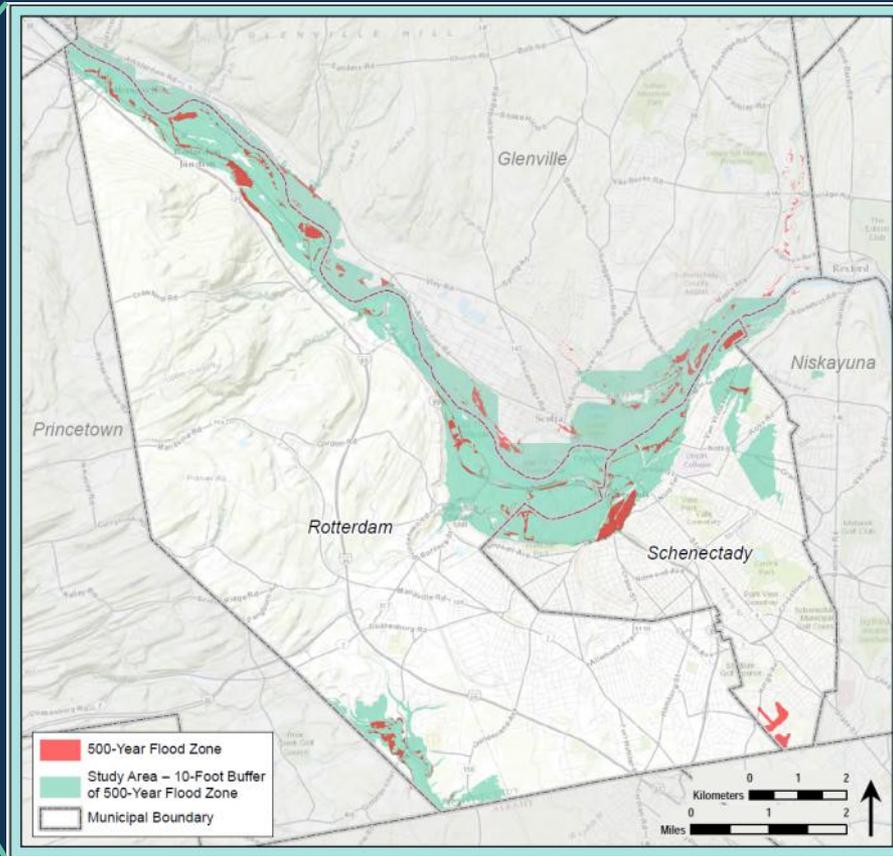
Community Character



Community Vision

The City of Schenectady and the Town of Rotterdam will be resilient: they will anticipate flood risks, limit impacts to property and infrastructure when flooding is unavoidable, and respond efficiently and recover quickly, in a manner that protects traditional community neighborhoods, quality of life, and takes advantage of waterfront opportunities.

Our Focus



Assets at Risk and Vulnerabilities



Needs & Opportunities

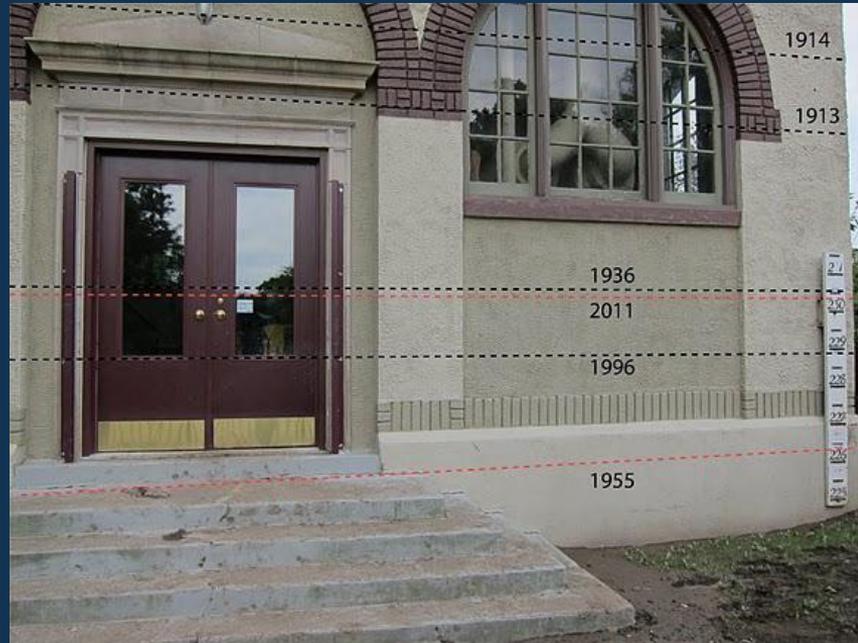
- **Protection of Housing**
 - *Relocate or raise houses in flood-prone zones*
- **Protection of Water / Wastewater systems**
 - *Construct barriers to prevent flooding*
 - *Develop alternative sources, connect systems*
- **Resiliency of EMS facilities**
 - *Increase stockpiles of supplies, plan sharing*
- **Make roads and bridges resistant to flooding**
 - *Increase drainage from the Old Erie Canal*
 - *Raise roads*

North Ferry Street Pump Station

Problem: Floodwaters from Irene inundated the pump station.

Solution: Elevate the pump station.

Critical infrastructure for sanitation, health, and safety needs to be hardened against future flooding.



Historic North Ferry Street Pump Station Water Levels

Bike Path and Emergency Culvert

Problem: water cannot exit the “bowl” created by the historic Erie Canal, the railway and natural grades of the area.

- *Homes suffered from long-standing flood water*
- *The 365-mile Canal Bikeway is interrupted here*



Solution: Build a culvert for the bikeway under the railroad, and simultaneously provide emergency water drainage.

SCCC Flood Mitigation

Problem: Poor drainage at SCCC retains flood waters.

Solution: Install a back flow preventer and replace the flood pump.

