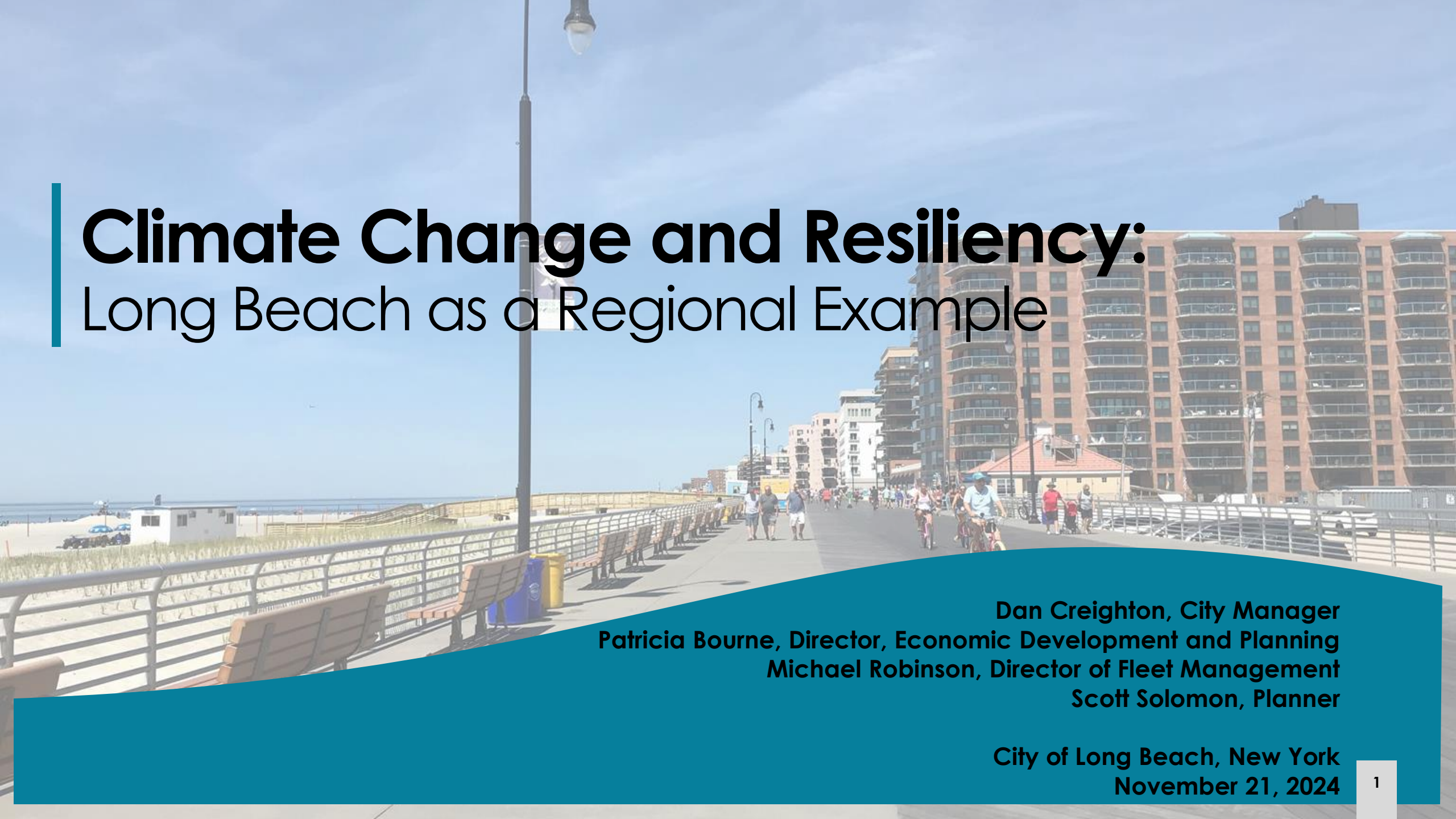




Climate Change and Resiliency: Long Beach as a Regional Example

Dan Creighton, City Manager
Patricia Bourne, Director, Economic Development and Planning
Michael Robinson, Director of Fleet Management
Scott Solomon, Planner

City of Long Beach, New York
November 21, 2024

Long Beach



Attraction of 3.5 miles of Ocean Beach and 2.25 miles of the Iconic Boardwalk.

- Three downtowns
- Pedestrian and bicycle friendly
- Parking is biggest issue
- Well served by public transit
 - Multimodal center
- Visitors Destination



Superstorm Sandy and lessons learned

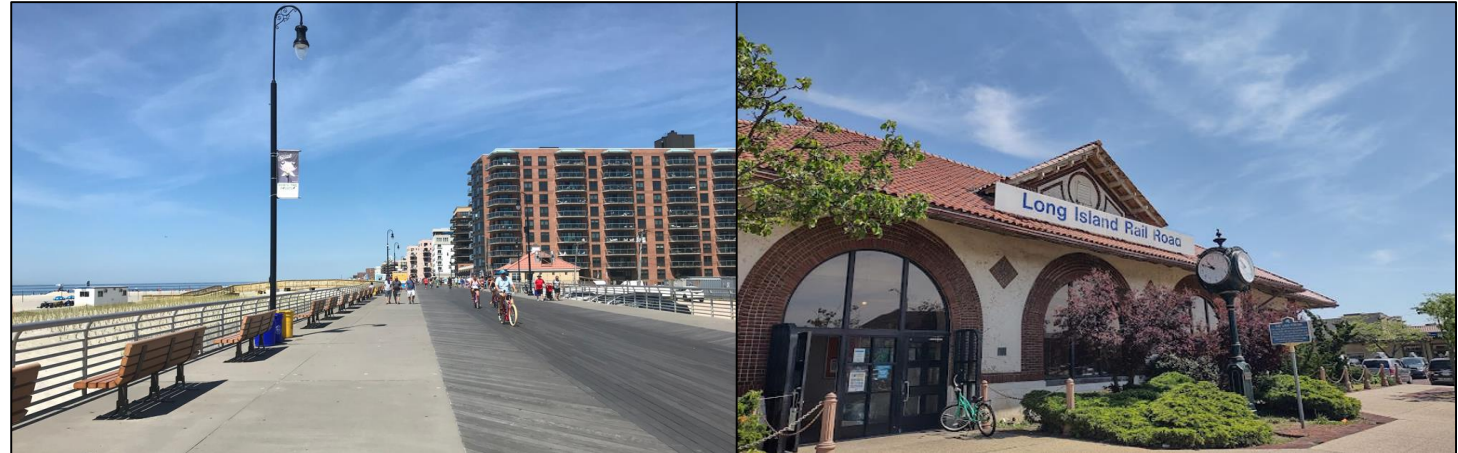
Resiliency focus: now and the future

- City inundated with six feet of sand and salt water.
- Salt water damaged or destroyed city-owned equipment including the buses, trucks, cars and other infrastructure.
- Salt water saturated the soil creating underground gaps affecting pipes, roadways, and foundations.
- Community Rating System (CRS)
- Road rebuilding requirements

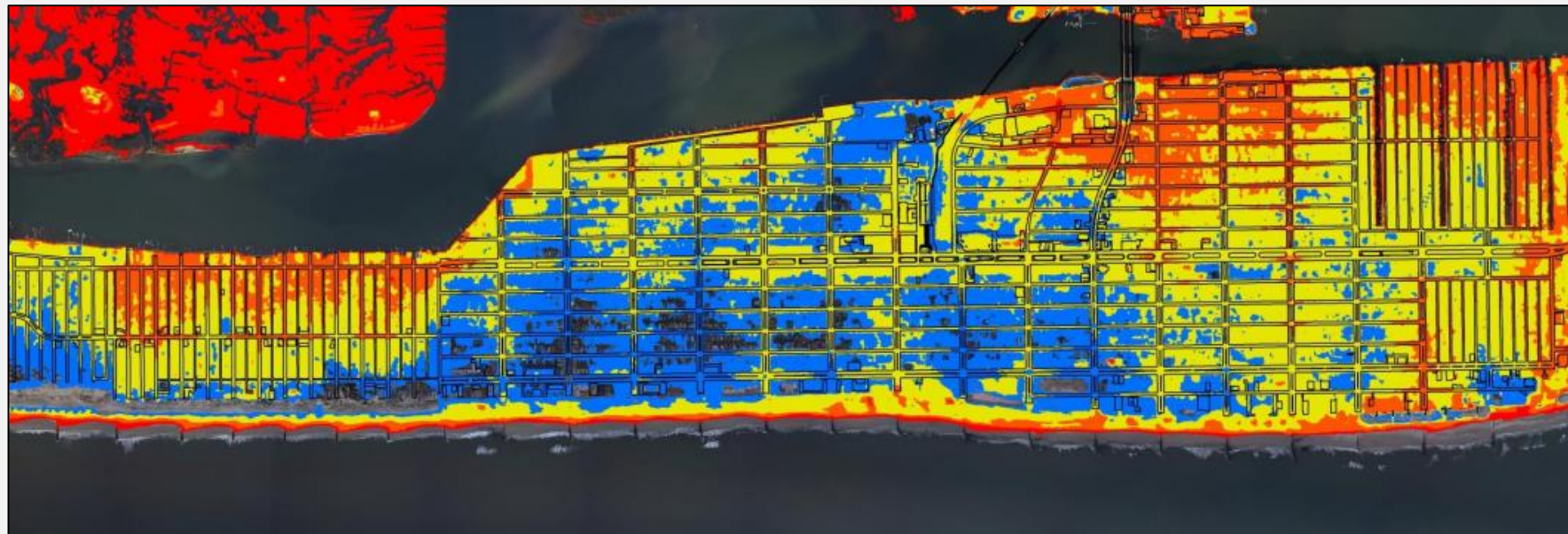


Long Beach: Summer resort to year-round community

- Original train station (c. 1880) catered to the visitors of beach side hotels
- “Modern” station opened in 1909 in central location
- William Reynolds’ transformation
- Sand from the dredging of Reynolds Channel to connect and stabilize the seven islands
- Land raised by nine feet and navigable waterways
- Now a 35,000 year round community that swell to 70,000 on a warm summer weekend.



Flood Risk



Land Use



Road and Bicycle Network

- Iconic boardwalk encourages walking and biking
- Access to the beach
- Downtown Park Avenue
Redevelopment (NY Forward)



Public Transportation

Multi modal transit center:

- Long Island Rail Road
- Municipal bus service
- Local trolley and para transit
- NICE bus service

Urbanized Area Formula Grant recipient

- 80/10/10 split (FTA/NYS/Long Beach)
- Transportation Improvement Program (TIP)

Future

- \$700,000 grant to revamp system facilities



Recent Investments and Planning for the Future

- Boardwalk, jetty and dune reconstruction
- Updates to roadways and utilities
- Resilient housing production
- Bulkheads replacements along Bayfront
- Conversion of city's sewage treatment plant
- Adoption of 2023-2033 Comprehensive Plan
- Encouraging alternative transportation
- Retrofitting of emergency service facilities and flooding proofing all city facilities.



Reconstruction of
boardwalk and dunes



Conversion of sewage treatment plant



Bayfront bulkhead replacement

2023-2033 Comprehensive Plan

Five Key Themes:

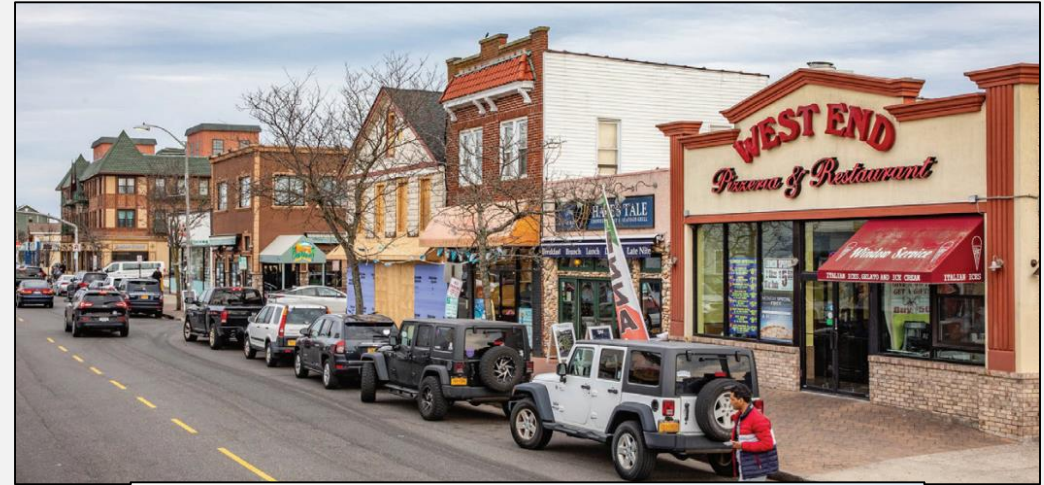
- Livable Neighborhoods and Sustained Quality of Life
- Thriving Places and Robust Year-Round Economy
- Access to Mobility and Connectivity
- **Enhanced Environment and Climate Resilience**
- **Sustainable Growth and Opportunities**

Winner of New York Planning Federation (2024) Comprehensive Planning Award



Current successes and plans: value of grants

- Bayfront
- Downtown Park Avenue Redevelopment
- NY Forward
- Parking Study
- Traffic Study (SS4All)
- Zoning Code Update
- West End



Regional lessons

- Transportation is a vital component of the city's present and future
- Resiliency is incorporated into everything that the city does as a priority.
- Grants are important but they must fit into the city's goals.
- Work with regional agencies.

