The 2100 Commission
Seizing Opportunity To Move NYS Forward
Superstorm Sandy Outage Areas

In Superstorm Sandy, over 1.1M homes lost power on Long Island.
Governor’s Approach

- Recovery = core government function
- Resilient infrastructure = once-in-lifetime opportunity
- History
  - 1835 cholera & Great Fire → Croton Aqueduct
  - 1878 Blizzard → power undergrounding & subway completion
  - 1917 Ice Storms → Holland Tunnel
- $60B in federal $
- Political leadership
November 15: 2100 Commission

- Co-Chairs Judith Rodin & Felix Rohatyn
- Rockefeller Foundation provided support
- 5 subcommittees: Energy, Transportation, Land Use/Environment, Insurance, & Infrastructure Finance
- Direct participation by U.S. DOT (Porcari, Kienitz), U.S. DOE (Hoffman, Arvizu), & Army Corps of Engineers (D’Arcy)
- SUNY team of academics from across the State
- 2 in-person Commission meetings, ongoing calls & emails
Blueprint for the Future

- Short- & Long-term Recommendations
- Key systems repaired & rebuilt with more resiliency
  - Electric grid on LI
  - Gas stations
  - Wastewater Treatment Plants
  - Subways & Airports
  - Bridges & culverts
  - Housing
- Transformative projects commenced
Long Island Power Grid

• $1.4B for repair & resilience in LI power grid

• Innovative approach will set precedent for nation

• Covers elevation of damaged substations, automatic sectionalizing of switches across the grid in order to minimize outages, and strategic undergrounding of appropriate power circuits
• 65 million gallons of sewage per day — 40 percent of the county’s waste, 550K residents

• Out of service for 44 hours

• 100 million gallons of untreated sewage released

• 2.2 billion gallons of partially treated sewage released

• Largest FEMA award in history – over $800M for repair & resilience

• 500-year flood wall
LGA Airport

- Flood barrier berms around the West Field Lighting Vault
- Concrete floodwall around West End Substation
- Gravity drains to supplement existing drainage network
- Replacement of existing generators with larger, more efficient emergency back-up generators
- Rehabilitation of airport’s monitoring and control system for LGA power distribution grid to more quickly monitor and address issues with its electrical distribution system.
Bridges & Culverts
Penn Station Access

Proposed "Build" Alternative

[Map showing Penn Station Access with various routes and stations marked]