## APTA and JITTI for Rail Symposium 2024

Enhancing Urban Attractiveness and Resilience

**April 11, 2024** 

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# Metro-North Railroad & Long Island Rail Road Systems

#### **Metro-North Railroad**

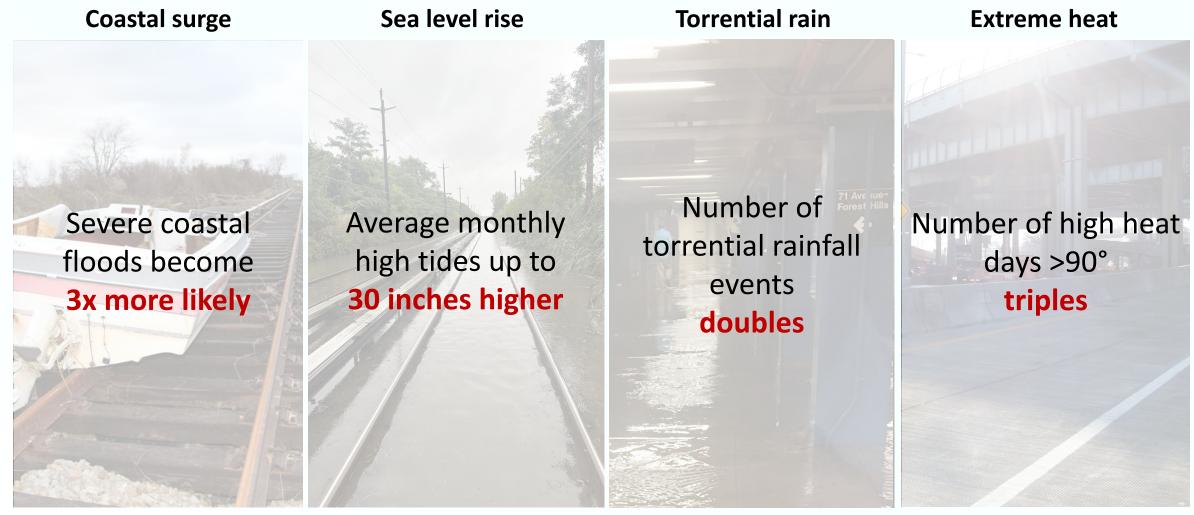
- 5 Lines/3 Branches
- 124 Stations
- 787 active Miles of Track
- 746 Daily Revenue Trains
- 205,000 Weekday Ridership

#### **Long Island Rail Road**

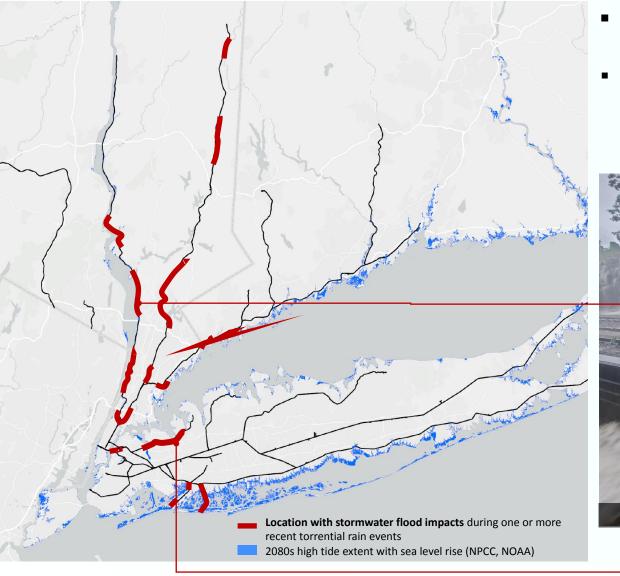
- 11 Branches
- 126 Stations
- 707 active Miles of Track
- 947 Daily Revenue Trains
- 230,00 Weekday Ridership



#### ...between now and the 2050s...

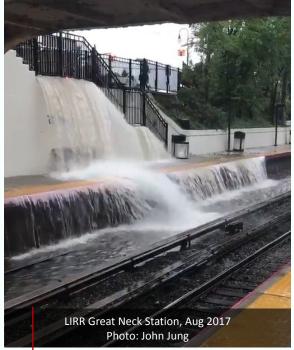


#### Regional railroad tracks and yards

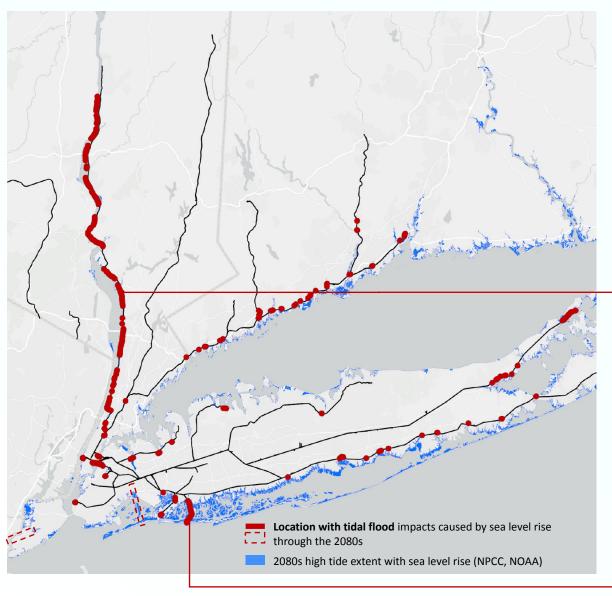


- Torrential rain impacts tracks and yards, causing damage and service delays
- About 41% of MNR track and 19% of LIRR track is adjacent to steep slopes or embankments, exacerbating torrential rain vulnerability





#### **Coastal tracks**



- Sea level rise will expose 64 miles of regional railroad track to monthly tidal floods by the 2050s, increasing to 175 miles by the 2080s
- About 5 miles of at-grade subway tracks are exposed to monthly tidal floods by the 2080s





# **Garrison Track Raising**

**Before** After







# **Harlem Line Signal Box Raising**

### **Before** After





## MTA TOD Mission

- Connect the Region: New Housing and jobs should be convenient to MTA system
- Create Value:
  Generate
  revenue from
  MTA real estate
  interests and
  assets

