

Metro-North Railroad Siemens Dual Mode Locomotives

NGEC 14th Annual Meeting
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The NGEC will provide national leadership
in standardization, acquisition, and
management of passenger rail equipment.

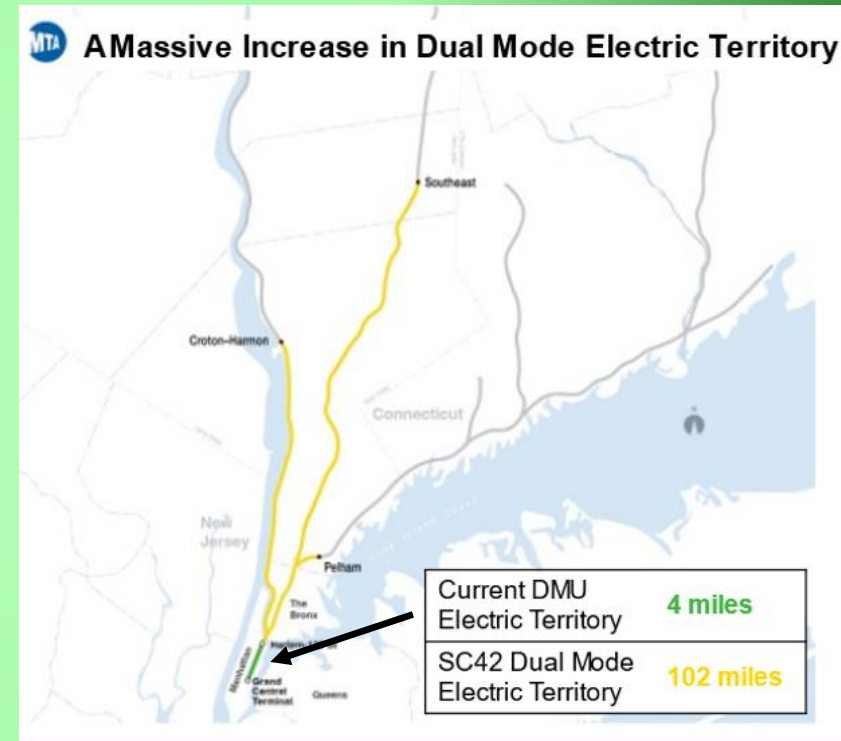
Project Background

- The Dual Mode Locomotive procurement is intended to replace the 27 GE P32AC-DM locomotives nearing or exceeding their projected 25-year lifespan
 - 19 locomotive base order for MNR
 - 8 MNR option locomotives ordered
 - 6 additional option locomotives for CTDOT ordered
- Metro-North Railroad is working with Siemens Mobility to manufacture and put into operation the first Dual Mode (3rd Rail or Diesel Electric powered) Charger Locomotive.



SC42-DM Locomotive Project Benefits

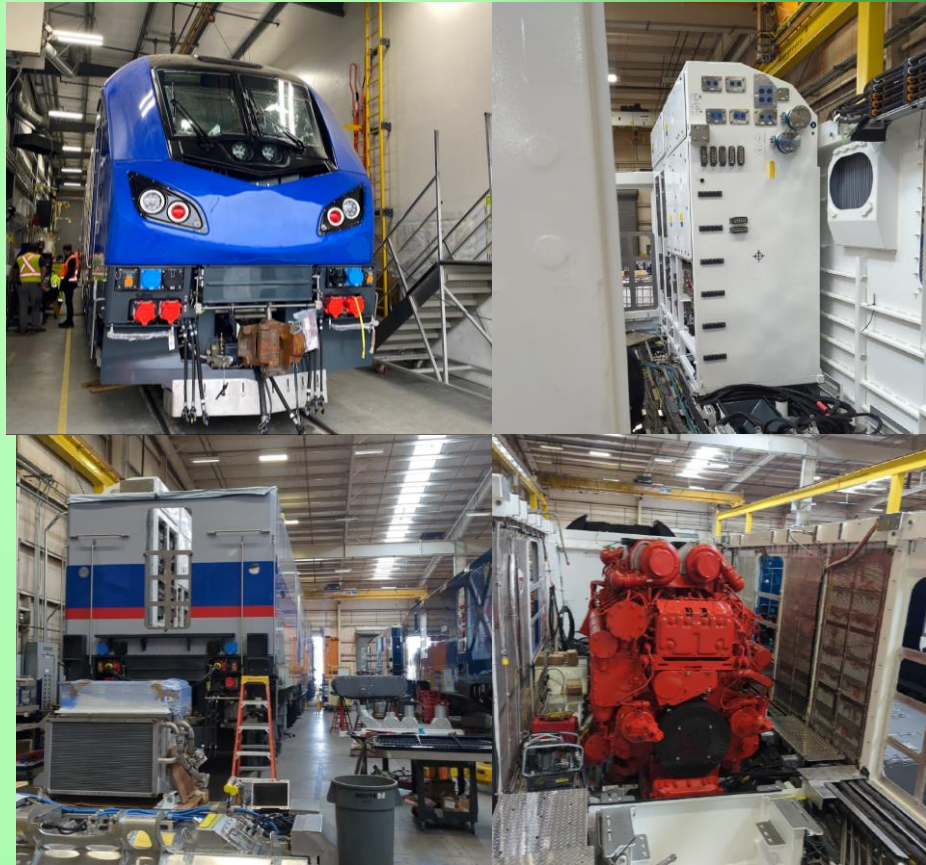
- Based on Metro-North Railroad's needs, locomotives have been prioritized to **deliver more reliable and greener service**
 - **Slashed airborne emissions:** in diesel territory, massive reductions of emissions of pollutants like Nitrogen Oxide (84%) and Particulate Matter (86%)
 - **Expanded electrical territory:** The new Dual Mode will be able to operate in electric mode throughout third-rail territory, rather than just Manhattan
 - **Reduced carbon emissions:** 25,000 metric tons of carbon annually



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Current Status

- Final Design Review completed and approved formally May 2023
- First Article Inspections began in January 2023 and will continue to first fully assembled locomotive in a few months.
- Loco #301 completed final assembly in December 2023 and moved to factory testing
- Loco #302 is in final assembly
- Loco #303 carshell in production



Schedule

- Notice of Award (NOA) – March 2021
- Pre-revenue service testing at MNR planned second half of 2024
- Pilot locomotive on schedule for service before the end of 2025
- Delivery schedule for the remaining locomotives through 2027
- Base warranty period 2-years



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Questions?



Next Generation
Equipment Committee



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