

Setting Targets for Public Transit Electrification: Buses and Trains

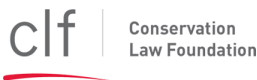
Tell your Representative and Senator to co-sponsor: [HD.2144](#), [SD.1320](#).

Sponsors: Representatives Barber and Owens, Senator Crighton

Climate change is the fundamental threat of our time. The Intergovernmental Panel on Climate Change predicts that the planet's temperature will increase by 1.5°C before mid-century, if warming continues at the current rate. The consequences for public health, food security, and the habitability of large parts of our planet will be catastrophic. The transportation sector is the largest contributor of greenhouse gas emissions in Massachusetts. Electrification of public transit is a key step to accelerate our transition to a clean energy and transportation future.

Electrifying public transit is also an issue of clean air and environmental justice (EJ). EJ communities disproportionately suffer the negative impacts of transportation emissions. On average, residents of color in Massachusetts are exposed to pollution from vehicle emissions that are 26 to 36 percent higher than the exposure of white residents. The Public Transit Electrification Bill will help combat climate change, improve air quality near roadways, and further EJ. The bill will:

- ✓ Require **MBTA** to operate a **fully electric bus fleet by 2030**.
 - 40% of all MBTA buses should be electric by 2025; 60% by 2027; 80% by 2028; 90% by 2029.
 - To ensure achievement of the milestones, MBTA will only procure electric vehicles by December 31, 2023.
 - Prioritize deployment of electric buses on bus routes serving EJ communities—including Chelsea, Everett, Revere, Somerville, Chinatown, Roxbury, Dorchester, Lynn, and Mattapan by 2025.
- ✓ Require **RTAs** to operate **fully electric bus fleets by 2035**.
- ✓ Require MBTA and its commuter rail contractor to operate a **fully electric commuter rail system by 2035**.
- ✓ Mandate **air monitoring stations** around bus maintenance facilities to protect the health of nearby residents and workers.
- ✓ **Create jobs** by building bus maintenance facilities to support electric bus charging.



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