



EV charging stations available for Metro-North Railroad riders



Level 2 charging stations at Cortlandt Metro-North Station in Croton-on-Hudson.



Level 2 charging stations at Southeast Metro-North Station in Brewster. Photo credits: Energetics

The Metropolitan Transportation Authority (MTA) installed electric vehicle (EV) charging stations through a collaboration with the New York Power Authority (NYPA) and the New York State Energy Research and Development Authority (NYSERDA). Metro-North provides a sustainable means of transportation through its widely used train service, so helping facilitate the use of zero-emission vehicles was a logical next step for an environmentally friendly connection to the rail service. MTA Metro-North believes the incorporation of EV charging stations supports the railroad’s sustainability mission and contributes to the green branding of the railroad and its facilities, while also better serving its riders.

What they did

To install EV charging stations at five railroad station parking areas along MTA Metro-North routes (Tarrytown, Chappaqua, Brewster North, Beacon, and Cortlandt), extensive collaboration was needed. MTA Metro-North owns approximately 40% of the nearly 130 parking lots connected to its stations, but does not operate those lots. The remaining parking lots are owned and operated by municipalities or the State. The lots range in size from 50 to 2,000 parking spaces, and because not all of the stations are operated by the same entity, there were some data collection issues. Although MTA Metro-North was instrumental in constructing the stations, various organizations and municipalities will maintain the infrastructure going forward.

SNAPSHOT

EV Charging Equipment

18 Level 2 stations (18 total ports)

Locations

Metro-North Railroad station parking facilities in Tarrytown, Chappaqua, Brewster North, Beacon, and Cortlandt

EV Users

Regional transit stations are available to commuters and the general public

ChargeNY accelerates the use of plug-in electric vehicles on the road by making infrastructure such as charging stations more available, easier to use, and more economically viable in New York State.

Support and results

MTA Metro-North sees opportunities to prioritize locations for EV charging stations within the commuter rail system. Local predisposition to EV adoption would be one factor. The distances of the first and last legs of daily commutes vary considerably throughout the system, but in general tend to be longer further from New York City. MTA recognizes its essential role in encouraging the early adopter and views commuters as key to widespread EV use. Even with MTA's genuine interest in expanding sustainable, consumer-friendly options and reducing impacts, the diverse ridership using the railroad system and limited availability of capital funding for new projects do not easily support large investments in new technology. The grant funding and technical support from NYSERDA and NYPA were essential to launching this project.



Level 2 charging stations at Chappaqua Metro-North Station.
Photo credit: Energetics

Get started

Visit nyserdera.ny.gov/ChargeNY or call **1-866-NYSERDA** to learn how you can reduce your energy consumption and costs.

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