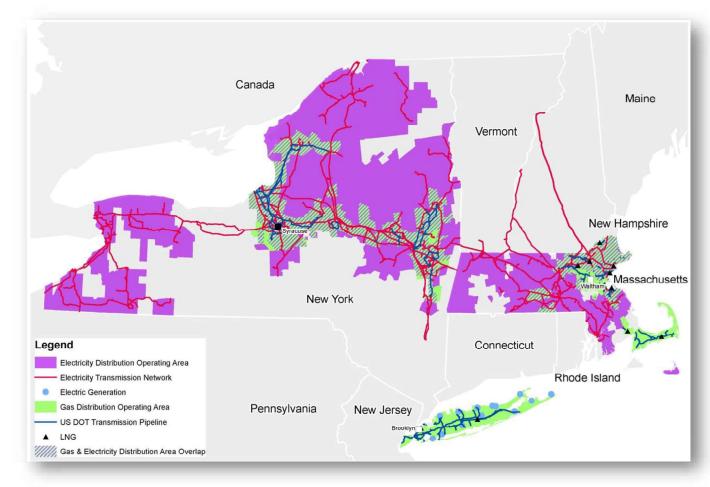


National Grid USA: Who We Are



- Electric, natural gas, and clean energy delivery company serving more than 20 million people through our networks in New York and Massachusetts
- Make-Ready EV programs in New York and Massachusetts
- Over 4,600 charging ports installed, 49% in environmental justice and disadvantaged communities
- Electrify our entire internal light-duty fleet by 2030. We plan to electrify 1,617 vehicles in the US by 2030.

Context: National Grid's Electric Highways Study

We analyzed traffic data to forecast future fast-charging capacity at over 70 highway sites in NY & MA.

- Light-duty (passenger) vehicles and medium- and heavy-duty (commercial) vehicles
- Assumptions match state mandates for electric vehicle adoption
- Results will help utilities, regulators, site operators, and state agencies coordinate and drive cost savings



Electric Highways Study Site

Electric Highways Study: Expert Partners





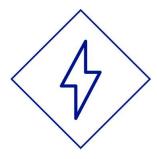




This study complements state DOT plans, provides a 25-year roadmap for highway electrification

Areas of Analysis: Electric Highways Study

We conducted this independent study to inform our planning for electric grid infrastructure – and to support our states in coordinating fast-charging deployment efforts.



What is total demand for charging at each site – based on current traffic patterns?



How many chargers are needed to meet demand – for both LDVs and MHDVs?



What is total power required to meet demand – and when will that site require a transmission interconnection?

Supports site-level charging deployment

Informs utility infrastructure needs

Large Industrial Plant

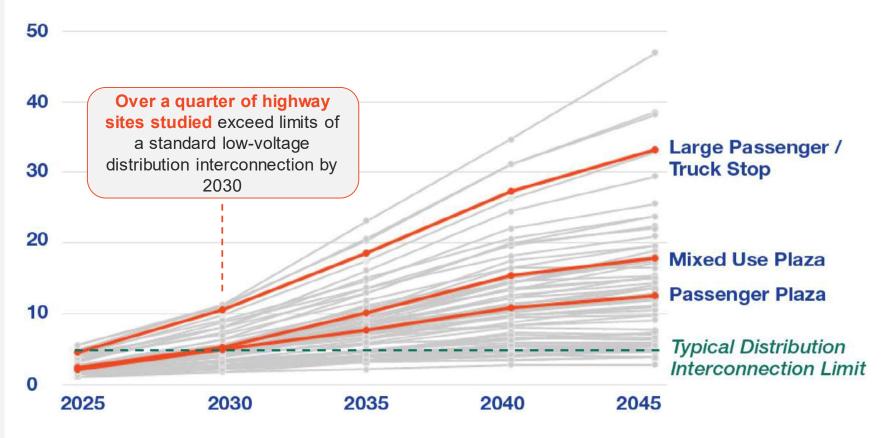
(40+ Megawatts)





Projected charging capacity for 71 Northeastern highway sites

Megawatts of power to meet annual peak demand, over time



Note: Analysis seeks to match ZEV goals for New York + Massachusetts, makes simplifying assumption that all ZEVs are electric. See study for discussion of assumptions, including role of hydrogen fueling and impact on capacity.

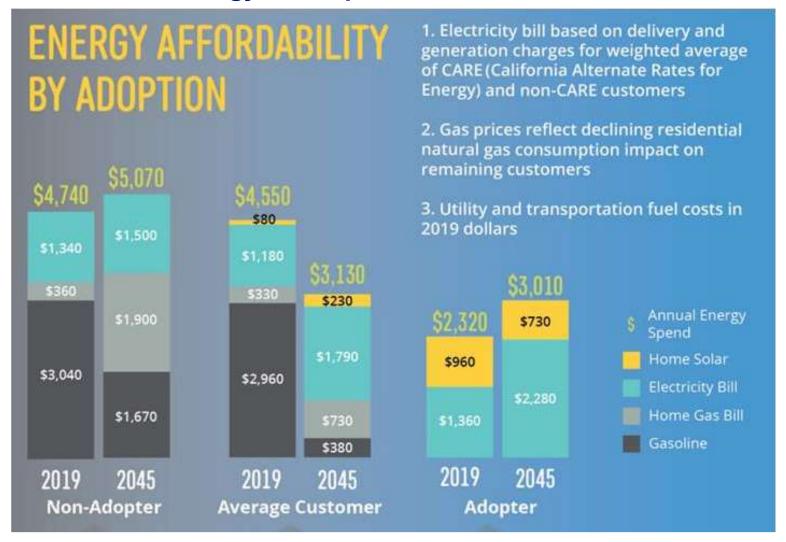
There is a critical need to align infrastructure timelines with electrification roadmaps



National Grid is seeking to de-risk investment and avoid EV adoption outpacing utility infrastructure.

We as an industry must meet the moment to ensure the electric grid is an enabler—not a bottleneck—to developing a seamless highway and fleet charging network.

Household Energy Bill Impact



nationalgrid