

Grid Guide to

Enabling EVs and modernising our networks in Massachusetts

Investor Relations | March 2023

“We believe that advancing a clean energy future, and addressing climate change, is not just a responsibility that we share with our peers but one that we are in a position to help lead.”

Steve Woerner, President of National Grid - New England

National Grid in New England

- 35% of US business
 - Own and operate electric transmission facilities and electric and gas distribution networks
- Serves over 2 million customers
- \$1.5 billion capex in FY22

Massachusetts and National Grid

Our Shared Goals

Massachusetts Net Zero Goals

State policymakers have set out to reduce GHG emissions:

by 50%¹ by 2030
by 75%¹ by 2040
to reach Net Zero by 2050

¹ from a 1990 baseline

National Grid Net Zero Goals

We've set out medium and long-term targets to reduce our own Scope 1 & 2 emissions:

by 80%¹ by 2030
by 90%¹ by 2040
to reach Net Zero by 2050

¹ from a 1990 baseline

1. Our baseline is the aggregate amount of all Scope 1 and 2 greenhouse gas emissions for our business

- Accelerate investments to modernise, expand and optimise our electricity network
- Expand energy efficiency strategies and programs to drive action and help decarbonise homes and businesses
- Advance fossil-free fuels to replace natural gas and enhance the existing gas system's overall performance to achieve net zero targets
- Ensuring an affordable transition for customers

Grid Modernisation



Our Grid Modernisation programme is well underway, having invested **\$69m** over the last 4 years (2018-21).

We've received approval for **\$336m** which will enable us to continue to modernise our electricity networks so they can enable more renewables, can become more resilient and are able to adapt to new and emerging technologies.

AMI investments

(Advanced Metering Infrastructure)

- The Department of Public Utilities (DPU) has approved a budget of **\$391m** for investments relating to customer smart meters. This covers the period through to 2027.
- The DPU has also provided preliminary approval for a further 5-year budget of **\$96m**, to support system integration and customer education initiatives.

Environmentally
sound



Customer
Centric



Resilient



EV Phase III

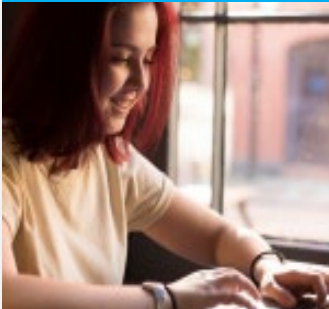
Massachusetts EV Charging Program

Our new set of EV offerings (Phase III) is set to launch in 2023, helping our customers electrify their transportation:

- Residential incentives to support at-home electrical upgrades, EV charger installations, and off-peak charging
- Public and workplace incentives to enable widespread access to charging infrastructure across our communities and the state
- Fleet offerings to assist with electrifying fleet vehicles, including light, medium and heavy-duty vehicles
- A Demand Charge Alternative Program to reduce the operating costs of fast chargers and help accelerate charger deployment in underserved locations



For our Community,
People and Economy



Our EV charging program aims to provide all our customers and communities access to the EV revolution.

How does this funding help our most vulnerable customers?

- Offers higher levels of incentives to **Environmental Justice Communities (EJCs)**. These are communities often with the lowest rate of EV adoption, and are also the communities most disproportionately impacted by air pollution from transport
- Electrification of public transit buses provides access to clean transport for many customers, including children

The state aims to have:

200,000 EVs on the road by 2025

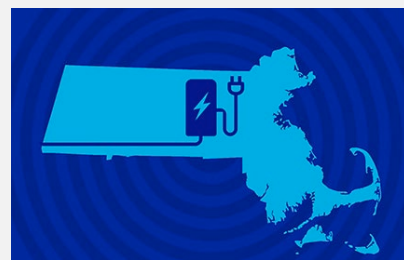
900,000 EVs on the road by 2030

DPU has approved **\$206 million** for our 'Phase III' electric vehicle program to provide:

- Extensive infrastructure upgrades
- **c.32,000 additional charging ports** to support the needs of our customers and communities
- Targeted support to low income households and communities

Alignment to Governor Healey's Energy Strategy:

- Electrification is a key priority, which has led to the state targeting 5 million more electric vehicles on the road by 2050
- To enable this, we are investing in the underlying infrastructure necessary to support expanded transportation electrification and providing customers with programs and rebates to ensure that we make this transition equitably and affordably.



To find out more information about our EV charging programmes and eligibility, visit our dedicated site: ngrid.com/ma-evcharging

Further information

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