

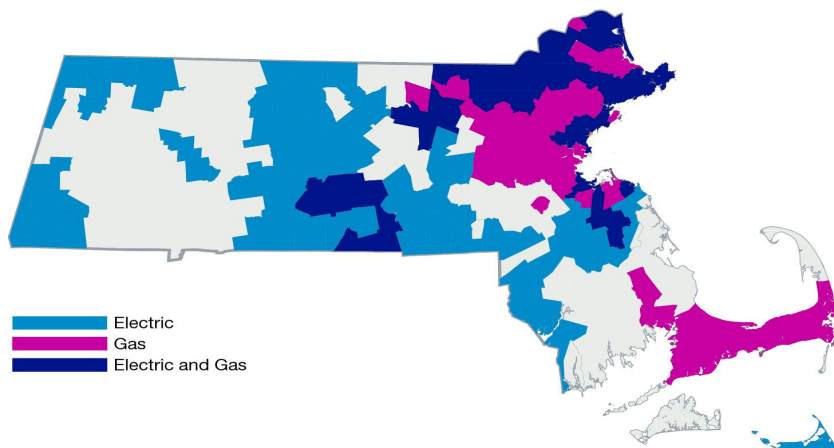
Building a Smarter, Stronger, Cleaner and More Equitable Energy Future, Together.

*Delivering the Just Energy Transition,
Deepening Relationships, and
Demonstrating Value*

nationalgrid



National Grid is taking action to achieve net zero emissions and deliver the fair, affordable and clean energy future to **2.3 million customers** in more than **240 towns and cities**



... via our networks...

21K+

Miles of Electric Transmission and Distribution

250+

Transmission and Distribution Substations

~1.3M

Electric Customers

11.2K

Miles of Gas Distribution Main

~3k

Miles of Leak Prone Pipe

~950K

Gas Customers

... by our teams....



~6,200+

Employees



~3,300+

Union Employees represented by 15 unions

... making connections...

150+MW

Total Distributed Energy Resources connected 2022

~1,800

EV Chargers enabled to date

18K+

Heat pumps installed via Mass Save programs in 2022 -- ~30% above goal

2GW

DER connected to our network

~32,000

Additional EV Chargers to be enabled via Phase 3 programs

45K+

Additional heat pumps targeted to installed via Mass Save by 2024

... and supporting our communities.

13,000+ Hours

of employee volunteerism

\$4+ Million

in community contributions

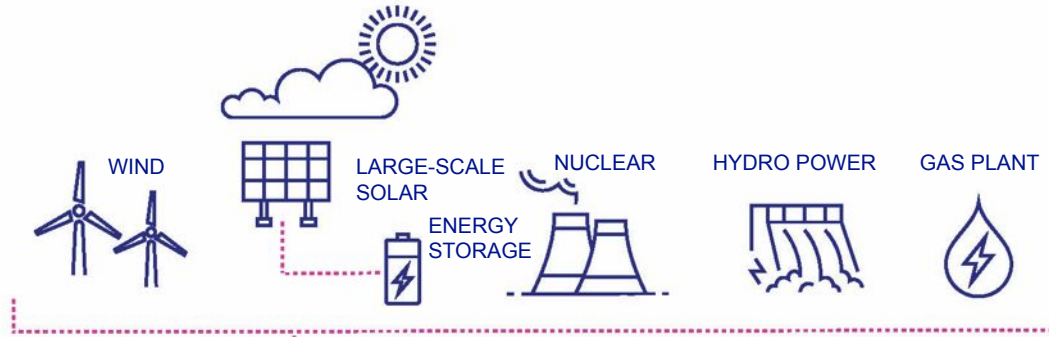
Where We Are, Where We're Headed

- **We're On Our Way, Together.** Achieving the Commonwealth's climate and clean power targets is an ongoing success story that's already under way..... and there is much more to do.
- **Upgrades Ahead.** The clean energy transition requires an electric network buildout and upgrade at a significant pace and scale, to support electric demand forecasted to be approx. 2.5X greater than today, driven by electrification of transportation and heating, which will peak in winter
- **Future Forward.** It will require reimagining the future electric network and broader energy system, transforming its capabilities to:
 - deliver necessary emission reductions
 - enable widespread electrification and rapid deployment of new clean, distributed resources in every community
 - make it easy for all customers to choose the clean energy solutions that work for them
 - drives innovation, economic opportunity and growth, prioritizing communities that have historically been left behind and/or borne the brunt of the fossil fuel economy

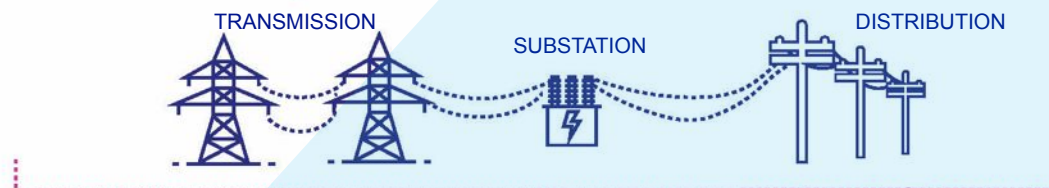


Modernizing Our Energy Systems....

Generation



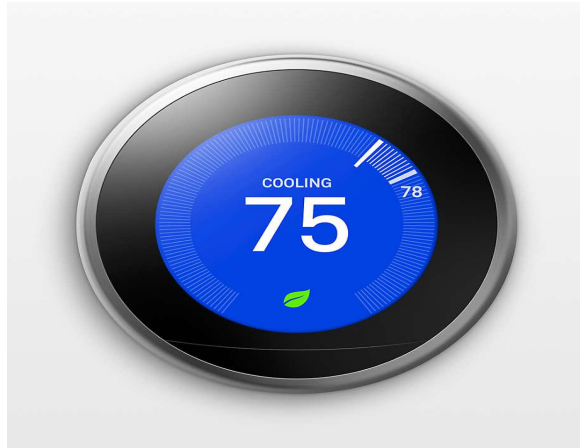
Transmission



Distribution



To Achieve Net Zero by 2050....



Expanding Energy Efficiency

Ensure customers are taking advantage of energy efficiency and demand response programs and align programs to meet evolving customer needs



Advancing Smart Electrification

Drive the rapid electrification of transport and heat, coupled with smart technologies to optimize efficiency, potential and value



Connecting and Integrating Renewables and Storage at All Levels

Maximize and optimize clean resources and their value for customers, communities and the energy system

To Get There.....

Regarding grid modernization, to achieve Greater Boston's climate, health and equity goals, a **critical obstacle overcome in the next 12 months is building trust and understanding with customers and communities to enable meaningful collaborations and real engagement to deliver an electrification-based energy transition, equitably and affordably, and in the timeframe needed to achieve net zero emissions by 2050.**

Build Understanding. Establish a foundation of understanding and trust regarding the electric grid, what it does, how it works, what needs to happen to deliver a fair, affordable and clean energy future, the benefits, and the role each of us play.

Develop Collaboration. Building on shared understanding and trust, establish collaborations to deliver the next generation grid and clean, just energy transition, in ways that are relevant to customers and meet community needs.

Conduct Real Engagement. Provide customers and communities with agency over how the future grid expands and evolves. Shift engagement to occur earlier to provide opportunity regarding decision-making.