

Farms supplying RNG

Landfills supplying RNG

Wastewater facilities supplying RNG

RNG imported from Eastern US region

Onshore wind and solar

100% hydrogen hub serving industries, power generation, heavy transport, and communities

Offshore wind powering the electric grid and electrolysis

Blending station for fossil-free gas supply

Communities served by fossil-free gas and hybrid heating

Community served by fossil-free gas and hybrid heating

Homes heating with electric heat pumps






Networked geothermal heating districts

Renewable-powered electrolyzers generating green hydrogen

Battery storage

Hydrogen storage

### Networks

-  Renewable natural gas (RNG)
-  Hydrogen (H2)
-  Fossil-free gas blend (80% RNG, 20% H2)
-  Electricity
-  Geothermal

2050

100% fossil-free heat

2045

2040

**Net zero economy-wide emissions**

- Continue to accelerate deployment of fossil-free gas, clean electricity solutions, and energy efficiency.

2030

**Scale a broad set of solutions**

- Invest in infrastructure to deliver fossil-free gas and electric solutions
- Serve 10-20% of gas demand with RNG
- Promote adoption of hybrid heating
- Run community-scale pilots of H2 blending
- Support deployment of H2-ready appliances
- Progress neighborhood adoption of networked geothermal heating and targeted electrification
- Convert a majority of customers who heat with oil to electric heat pumps
- Continue to support states' progress toward zero-emission and renewable electricity goals.

2022-2025

**Set foundation to transition to fossil-free heat**

- Support legislative and regulatory policies to grow fossil-free gas, including adoption of a renewable heating portfolio standard
- Develop voluntary tariffs for customer participation in fossil-free gas offerings
- Continue to convert customers who heat with oil to electric heat pumps at pace
- Run neighborhood pilots for green H2 network blending, networked geothermal, and targeted electrification
- Promote adoption of hybrid heating
- Demonstrate technical feasibility and scalability of fossil-free gas networks
- Continue innovation in nation-leading energy efficiency programs.

Today

**Delivering safe, affordable, and reliable heat**

- Investing in network modernization to reduce fugitive methane emissions and increase safety and reliability
- Providing nation-leading energy efficiency and demand response programs to help customers lower energy bills and usage
  - Accelerating conversion customers who heat with oil to electric heat pumps
- Partnering with NY and MA to propose a regional Hydrogen (H2) Hub
- Participating in university-led H2 blending studies
- Interconnecting renewable natural gas (RNG) projects to our network
- Seeking regulatory approval for RD&D to transition the gas network to net zero, including piloting fossil-free gas and networked geothermal.

**Wide adoption of fossil-free heating solutions**

- Blend 20% green hydrogen and 30% RNG in our network
- Build 100% hydrogen hubs serving multiple uses
- Deploy hybrid heating systems widely
- Support communities with networked geothermal heating districts and targeted electrification
- Convert all customers heating with oil to electric heat pumps
- Significantly advance building efficiency.