

**In New York**, we have a long tradition of providing natural gas and electricity service in upstate New York and natural gas service in downstate New York. We are focused on building a smarter energy grid, enhancing storm resiliency, promoting economic growth and preparing for the next generation of clean energy. And, we're doing all of this while further improving safety, reliability, affordability and customer service. Our electricity and gas systems power economic segments including manufacturing, health care, banking, nanotechnology, agribusiness, education, defense, medical research and development, transportation, entertainment and tourism, service industries, and much more.

Our New York business represents 60% of National Grid's U.S. business.

## New York by the numbers

**9.6 K**

employees

**4.1 M**

**gas & electricity customers** (electricity customers: 1.6M UNY; natural gas customers: 1.3M NYC; 611,000 LI; 630,000 UNY)

**26.4 K-square-mile**

service area (25K square miles UNY; 1.4K square miles DNY)



We own and operate **8 generation steam units** and **42 gas turbine units in DNY**, providing up to **3,800 megawatts of electric capacity to LIPA.**

# Toward a cleaner energy future



We are modernizing our systems to meet smart grid demands and connect customers to renewable energy to help us toward a future of an integrated energy system that reduces our carbon footprint.

## Some of our investments on behalf of our customers



**Electric Vehicles, Storage, & Distributed Generation:** We're delivering innovative, customer-focused solutions that enable adoption of electric vehicles and EV charging stations, energy storage, non-wires alternatives and clean energy connections.



**Innovative Projects:** We're incorporating cogeneration, gas demand response, geothermal technology and studies on the use of hydrogen blending to help decarbonize the gas system.



**Customer-Centric Technologies:** Smart meters that offer customers more information and greater control over their energy use and allow for faster outage detection; personalized services, including proactive electricity outage notifications and updates.



**Grid Modernization:** Modernizing our energy delivery systems with advanced telecommunications, new sensors and advanced controls to better serve our customers and continue to connect clean energy resources.



**Storm hardening:** System enhancements to better protect customers from severe weather impacts to the energy delivery system.



**We also work with third parties to build projects** such as our approved 23MW solar farm in Calverton (in service 2022); and two 5MW storage batteries currently in service on eastern Long Island.



**Through our unregulated business,** National Grid Renewables, we're making significant investments in solar, wind and battery energy storage projects across the U.S., as well as in transmission upgrades to further facilitate renewable energy.

### COVID-19 Support

- National Grid and the National Grid Foundation have donated nearly \$1 million across New York to support hunger relief, human services agencies, emergency response organizations and others.
- In addition, we have fast tracked Economic Development grants for companies producing critical pandemic materials:
  - [National Grid supports Stony Brook company that produces critical COVID-19 vaccines, diagnostics](#)
  - [Albany-area company repurposes to produce COVID supplies](#)
- We also have filed an [upstate NY customer assistance proposal](#) with New York regulators that would provide up to \$50 million financial assistance to support economically vulnerable residential customers and businesses struggling due to COVID-19's financial impact.

## How we serve our customers and communities

*Some of the many ways we make a difference everywhere we serve, work and live:*

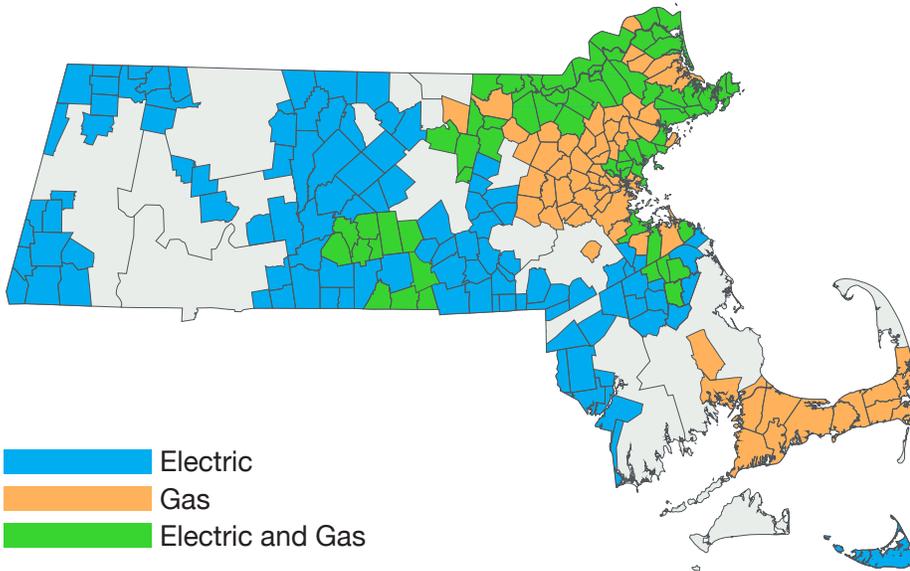
**Economic Development –** [Our Economic Development programs](#) are designed to support local businesses and boost economic activity across our region. We work in partnership with economic development agencies, municipalities, companies and developers to evaluate infrastructure needs and provide resources and funding to help break down barriers to investment and grow New York businesses.

**Energy efficiency –** To help customers lower their bills and ensure a clean energy future, we offer various [energy savings programs](#) to help them save energy and manage usage.

**Community sponsorships and employee volunteerism –** We partner with charity organizations, foster employee volunteering, and provide communities with grants that support social, economic and environmental development. Click here for more: [Our Community Presence](#).

**Workforce development –** We are committed to developing the next generation of engineers and energy company workers who are well-prepared to address the long-term needs of our business and industry. Through [our comprehensive STEM programs](#), we partner with educational institutions, vocational schools and veterans' groups to build the workforce of the future.

**Energy affordability programs for our most vulnerable customers** help income-eligible residential customers with options to manage their energy bills. Our Energy Affordability Program for [upstate NY](#), [New York City](#) and [Long Island](#) offers qualifying customers a monthly bill credit, and our Consumer Advocates for [upstate NY](#), [New York City](#) and [Long Island](#) provide crisis intervention support for customers in need, working closely with county Social Services and community assistance organizations.



**In Massachusetts**, we have a long tradition dating back to the 19th century of serving the Bay State as Colonial Gas, Boston Gas, New England Electric and now as National Grid. Our focus is to make investments on behalf of our customers to create safer, more reliable and resilient energy systems while delivering affordable, sustainable and cleaner energy solutions for our customers. Our employees are focused on building a smarter energy grid, enhancing storm resiliency, promoting economic growth, preparing for the next generation of clean energy, and further improving safety, reliability, affordability and customer service. Our gas and electricity systems help power Massachusetts' leading economic segments including health care, financial services, biotechnology, pharmaceutical, education, defense, medical research, software development, manufacturing and banking, among others.

## Toward a cleaner energy future

We are modernizing our system to meet smart grid demands and connect customers to renewable energy to help us toward a future of an integrated energy system that reduces our carbon footprint.

We show our commitment to that future through innovative projects incorporating cogeneration, gas demand response, geothermal technology and studies on the use of hydrogen blending to help decarbonize the gas system.

Our National Grid Sustainability Hub in Worcester provides customers and key stakeholders a collaborative, community space designed to elevate the conversation around the future of energy and the environment. The Hub features interactive exhibits showcasing smart grid technologies and demonstrating how customers can help manage and reduce energy use.

## Massachusetts by the numbers

**6,100**

employees

**5,919**-square-mile

service area, including 231 of the state's 351 cities and towns

**940** K

natural gas customers

**11,200**

miles of existing natural gas main

**1.3** M

electricity customers

**18** K

circuit miles of overhead and underground lines

# Some of our investments on behalf of our customers



National Grid Massachusetts was named the top utility in the country for energy efficiency by the American Council for an Energy-Efficient Economy while the state's energy efficiency programs are ranked No. 1 in the US for the 9th consecutive year.



Our Mid-Cape Main Replacement Project ensured safe, dependable natural gas distribution for years to come on Cape Cod.



In 2019, we installed a 6 MW, 48 MWh battery storage project on Nantucket, helping avoid siting and building another undersea cable to the island.



Our three-year electric vehicle program, approved in September 2018, is on track to meet an installation target goal of 680 charging stations.



National Grid has connected over 58,000 solar projects representing almost 1.2 GW of distributed generation on the grid, helping make Massachusetts No. 8 nationwide in installed solar capacity.

## How we serve our customers and communities

*Some of the many ways we make a difference everywhere we serve, work and live:*

**Energy efficiency** – To help customers lower their bills and ensure a more renewable energy future, we allocate energy efficiency services and incentives to help them save energy and manage usage.

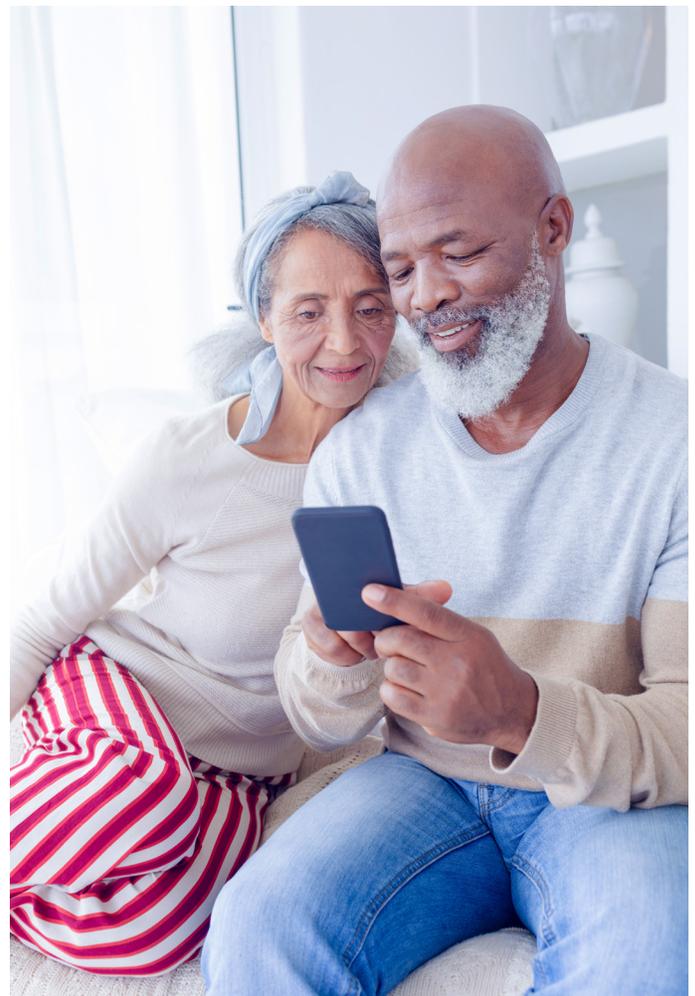
**Community sponsorships and employee volunteerism** – We actively support a wide variety of charitable, educational and cultural organizations. Our employees volunteer thousands of hours each year with local community groups through our Power to Serve program.

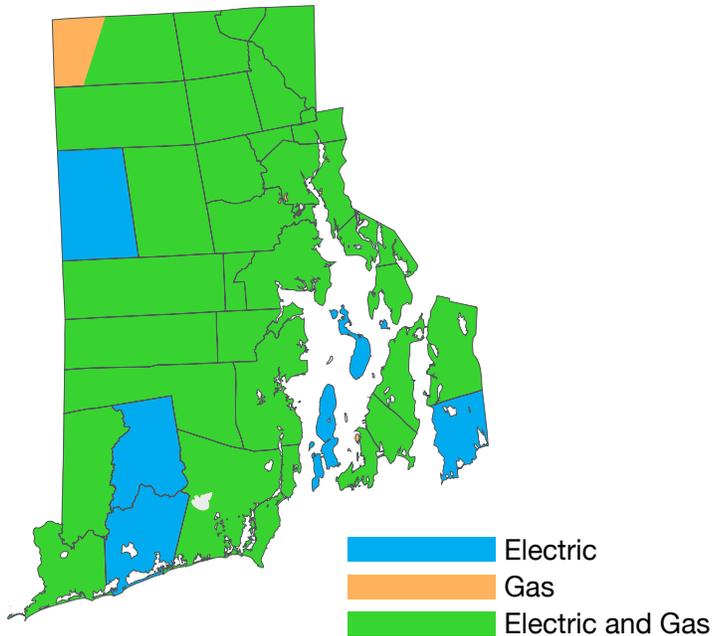
**Workforce development** – Working to develop the next generation of engineers and energy company workers and address the long-term needs of our business and industry, we partner with educational institutions and support STEM-related programs, vocational schools and veterans' groups.

**Energy affordability programs for our most vulnerable customers** help income-eligible residential customers with options to manage their energy bills.

### Community Assistance Expos

We work in partnership with community action agencies, nonprofits and other organizations to host in-person or virtual opportunities where customers can speak one-on-one with our customer advocates to address billing concerns, as well as meet with local assistance agencies.





**In Rhode Island**, we have served the Ocean State's energy needs since 1847 as Providence Gas, the Narragansett Electric Lighting Company and now as National Grid. We've worked hard to leverage our company to benefit all Rhode Islanders and we are seeing results. Our energy efficiency programs are third in the nation and we helped connect the first off-shore wind facility in the nation. Our focus is to make investments on behalf of our customers to create safer, more reliable and resilient energy systems. At the same time, we strive to deliver affordable, sustainable and cleaner energy solutions for our customers.

## Toward a cleaner energy future

We are modernizing our system to meet smart grid demands and connect customers to renewable energy to help us toward a future of an integrated energy system that reduces our carbon footprint.

We show our commitment to that future through innovative projects incorporating gas demand response, geothermal technology, cogeneration and studies on the use of hydrogen blending to help decarbonize the gas system.

To date, National Grid has completed connections of more than 9,200 applications of distributed generation, totaling more than 300 MW of power. We now have more than 940 MW of clean energy connected or under contract to be generated in Rhode Island.

Our [National Grid Energy Innovation Hub](#) in Providence provides customers and key stakeholders a collaborative, community space designed to elevate the conversation around the future of energy and the environment. The Hub offers interactive exhibits where Rhode Islanders can learn how they can take action towards creating a clean energy future and take advantage of the latest advancements in energy efficiency.

## Rhode Island by the numbers

**950**

employees

**1200**-square-mile

service area, including 38 of 39 Rhode Island cities and towns

**498,294**

electricity customers

**6,255**

total circuit miles of electric overhead and underground lines

**273,327**

natural gas customers

**3,194**

miles of existing natural gas pipelines

# How we serve our customers and communities



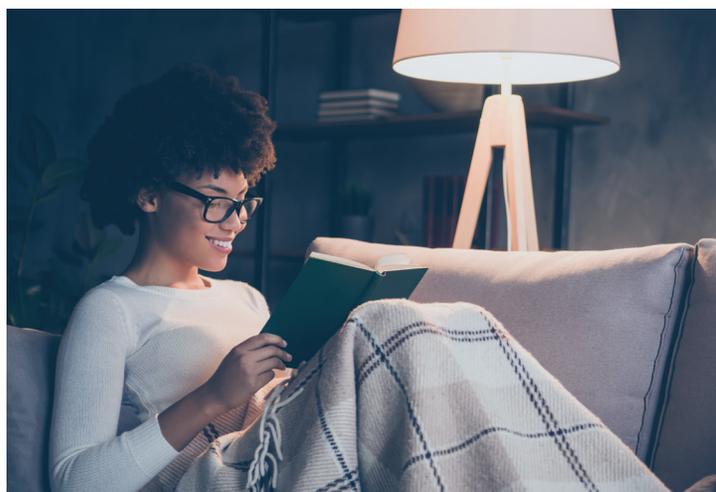
*Some of the many ways our employees make a difference everywhere we serve, work and live:*

**Energy savings** – To help customers lower their bills and ensure a more renewable energy future, we offer various [energy savings programs](#) to help them save energy and manage usage.

**Community sponsorships and employee volunteerism** – We partner with charity organizations, foster employee volunteering, and provide organizations with support for social, economic and environmental development. Click here for more: [Our Community Presence](#).

**Workforce development** – We are committed to developing the next generation of engineers and energy company workers who are well-prepared to address the long-term needs of our business and industry. Through [our comprehensive STEM programs](#), we partner with educational institutions, vocational schools and veterans' groups to build the workforce of the future.

**Energy affordability programs for our most vulnerable customers** help income-eligible residential customers with options to manage their energy bills. Our [discount rates](#) and [forgiveness programs](#) for qualifying Rhode Islanders, and our [Customer Advocates](#) offer critical support for customers in need, working closely with county Social Services and community assistance organizations.



## Some of our investments on behalf of our customers

Over the past five years we have invested more than \$1 billion in gas and electric distribution infrastructure to meet the growing needs of our customers, including replacing roughly 60 miles of leak prone pipe per year and close to \$10 million annually in vegetation management.



By upgrading our natural gas distribution line from West Warwick to East Greenwich our [GrowthPoint](#) project is helping to meet future commercial and residential growth in Southern Rhode Island, one of the fastest growing areas in the state.



[National Grid's Power4Tomorrow: Downtown Reliability Project](#) is an investment in Providence's electrical transmission infrastructure, aimed at reinforcing the safe and reliable delivery of power for years to come. The three-year project will replace more than two miles of transmission lines that help power most of the capital city and have been in service for close to a century.



Through its Aquidneck Island Reliability Project, better known as "[OnIsland](#)," National Grid is investing an estimated \$93 million to improve the electrical infrastructure on Aquidneck Island, Rhode Island. This project will minimize disruptions in service delivery and better prepare the Island communities of Newport, Middletown, and Portsmouth for future growth.



### COVID-19 Support

- National Grid and the National Grid Foundation have donated almost \$100,000 in funding to local relief efforts, including the United Way of Rhode Island and Rhode Island Foundation's [Rhode Island COVID-19 Response Fund](#), the Rhode Island Community Food Bank, Meals on Wheels, Latino Progress, and others.
- In addition, we have fast tracked efforts to help meet the electricity needs for critical testing sites and temporary overflow medical facilities.

## National Grid Partners and the Future of Energy

### National Grid: strong legacy, strong future.

National Grid is an electricity, natural gas, and clean energy delivery company serving more than 20 million people through our networks in New York, Massachusetts, and Rhode Island. We are transforming our electricity and natural gas networks with smarter, cleaner, and more resilient energy solutions to better serve our customers and deliver the clean energy future.

We also are working to accelerate decarbonization through our competitive, unregulated business, National Grid Ventures, which has a diverse portfolio of low carbon and renewable energy businesses. Additionally, National Grid Partners, our unregulated corporate investment and innovation arm, invests in disruptive technologies that help to future-proof National Grid.

**National Grid Partners** invests for strategic and financial impact and leads companywide culture transformation efforts. NGP invests in emerging technology companies at the intersection of IT and energy for a smarter and more renewable future. This includes the Internet of Things, cloud, artificial intelligence and analytics, security, blockchain, and smart cities. We provide a multi-functional approach to building startups, including innovation (new business creation), incubation, corporate venture capital, business development and culture acceleration. NGP is headquartered in Silicon Valley and has offices in Boston, London and New York.

## Toward a cleaner energy future

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We show our commitment to that future through innovative projects incorporating cogeneration, gas demand response, geothermal technology and studies on the use of hydrogen blending to help decarbonize the gas system.

Additionally, through our unregulated business, National Grid Ventures, we're making significant investments in solar, wind and battery energy storage projects across the U.S., as well as in transmission upgrades to further facilitate renewable energy.

## National Grid Partners by the numbers

43

employees

\$250 M

initial investment allocation



We are the lead investor in **53% of new deals**

Two

exits

22

investments to date (19 startups, 3 strategic fund investments)

For more information about NGP, visit <https://ngpartners.com/>

# Selected investments



**AutoGrid** applies big data analytics to energy and creates real-time, actionable information to help with predictive maintenance and demand response.



**Leap**, a marketplace for distributed energy resources that enables owners of connected devices – from HVAC systems to electric vehicles – to help balance the grid and get paid for it.



**CNIGuard** builds ruggedized Internet-of-things cloud sensors, delivering protection and asset management for utility-critical infrastructure.



**Omnidian**, a provider of comprehensive protection plans for investments in residential and commercial solar energy systems.



**Copperleaf**, the next-generation asset management planning and decision analytics system designed for utilities and other asset-intensive companies.



**Uniphore** redefines the customer service experience of the future through AI-enabled Conversational Service Automation.



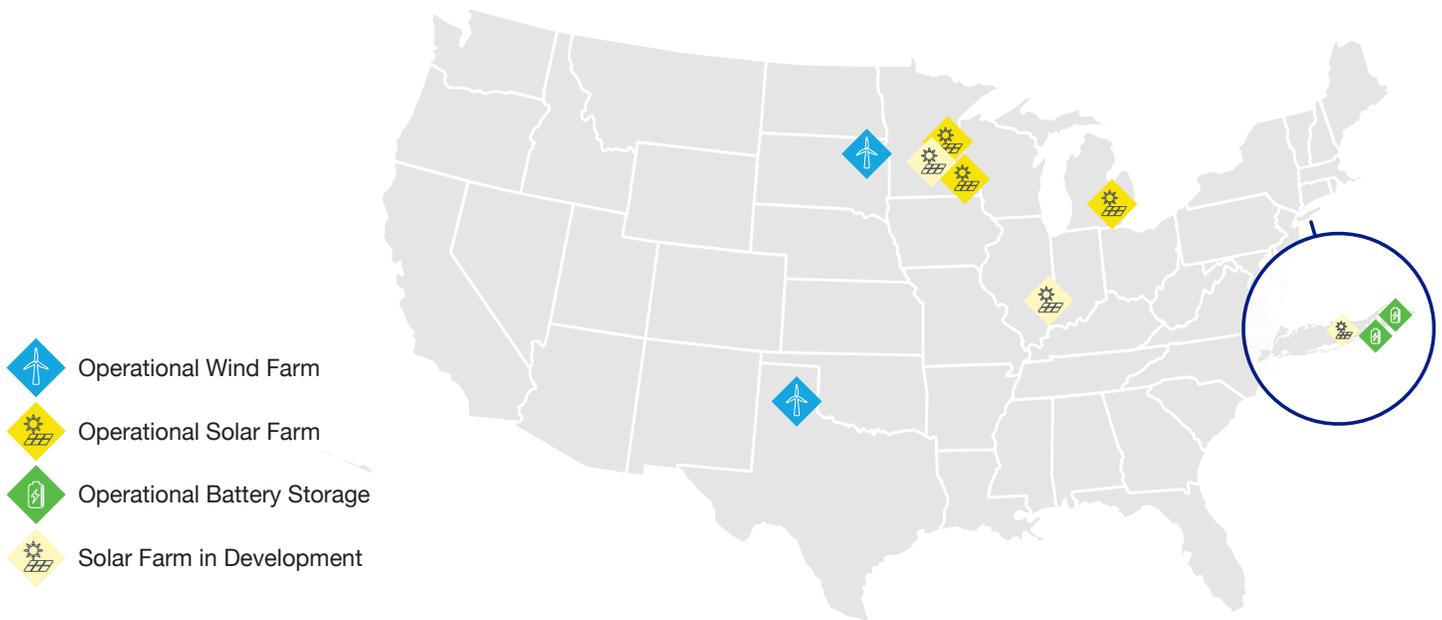
**Dragos** provides complete ICS (Industrial Control System) threat detection and response technology to protect critical systems and infrastructure.



**Urbint** is the market leader in artificial intelligence for gas safety and risk reduction for critical infrastructure companies.



## Operational and In-Development Renewable Energy Projects



**National Grid Renewables**, part of the competitive, unregulated division of National Grid, develops, owns and operates large-scale renewable energy assets across the United States, including solar, wind and battery storage. It has a robust development pipeline of renewable energy projects in various stages of development, as well as geographically diverse operational assets across the country. National Grid is also developing competitive transmission projects to unlock further renewables through its National Grid Ventures unit.

## National Grid Renewables and National Grid Ventures in the US, by the numbers

More than **150**

US-based employees

To date, we've supported connecting **211 MW of rooftop solar for 27,835 customers** across the U.S. through our partnership with Sunrun

Our onshore renewables team has portfolio of over 800 MW of operational or in-construction renewable energy projects including solar, wind, battery storage and residential solar

New York Transco's New York Energy Solution will **modernize and upgrade 54.5 miles of energy transmission lines** to allow for the greater flow of clean energy from upstate resources to downstate demand centers



Using the EPA's greenhouse gas emissions calculator, we estimate that **980,000 metric tons of CO2 emissions are being offset annually** by the operational wind and solar energy projects owned by the National Grid Renewables business

# National Grid Renewables' and National Grid Ventures' US portfolio



**Renewable energy:** National Grid Renewables develops, owns and operates solar, wind and battery storage projects across the U.S., with a multi-gigawatt pipeline of projects at various stages of development



**Energy transmission:** Through the New York Transco joint venture, we're supporting the modernization of transmission lines to unlock further renewable energy sources



**Residential solar:** We've partnered with Sunrun, a leading provider of residential solar and battery storage in the U.S., since 2016, including making a \$100 million asset investment to develop the potential of grid services using cleaner, renewables sources of energy



**Long Island batteries and solar:** Through a joint venture with NextEra, we've developed two 5 MW, 40 MWh battery energy storage systems in East Hampton and Montauk, New York. We're also jointly developing a 23 MW utility-scale solar project in Calverton, which has a power purchase agreement with LIPA.



**Offshore wind:** We have the option to acquire the offshore transmission for Revolution Wind, a 704 MW offshore wind farm for Connecticut and Rhode Island being developed by Ørsted and Eversource.

## How we give back to the communities we serve

*Some of the many ways we make a difference everywhere we serve, work and live:*

**Economic impact** – Our renewable energy projects contribute significantly to the local communities they serve via funding for tax revenue, landowner payments, local spending, charitable donations and job creation. This economic impact represents real money that is being pumped directly back into the communities we serve and can be life-changing for our host communities.

**Charitable funds** – For every wind and solar project we develop that enters operation, we provide a charitable funding vehicle for the project's host community to go toward local schools, infrastructure and services. As an example, we have committed approximately \$800,000 over 20 years in charitable giving to communities around our Crocker Wind Farm in South Dakota.

**Charitable giving and employee volunteerism** – We actively support a wide variety of charitable and community organizations where we operate, including food pantries, schools, fire departments and other community organizations. National Grid employees also volunteer thousands of hours each year with local community groups through our Power to Serve program.

