NYSERDA is helping New Yorkers save money, use renewable energy, increase energy efficiency, and reduce their reliance on fossil fuels.

Here’s what we’ve been doing and how well we’ve done.

**performance metrics through 2018**

NYSERDA is supporting New York State’s nation-leading clean energy goals and building a clean, resilient, and affordable energy system for all New Yorkers.

- **70%** Electricity will come from renewable energy sources by 2030
- **100%** Carbon-Free electricity by 2040
- **85%** Reduction in GHG emissions from 1990 levels by 2050
Increasing Energy Efficiency

What we’re doing:
- Helping businesses and residents make energy efficiency improvements that reduce energy costs, energy waste, and greenhouse gas emissions.
- Supporting the use of innovative energy-saving technologies that improve our State’s economy and are environmentally friendly.
- Providing information that is credible and unbiased to ensure New Yorkers can make confident, informed energy decisions.

How we’ve done so far:
- Since 1998, NYSERDA programs have saved enough electricity to power 1.25 million homes each year, and enough natural gas, propane, oil, and other heating fuels to heat more than 268,000 homes each year.*
- Since 1998, More than 890,000 households and 38,800 commercial, industrial, and institutional customers reduced their energy use and annual energy bills by participating in NYSERDA programs.*


Creating a Clean Energy Economy

What we’re doing:
- Providing technical expertise and support to developers of new clean energy technologies and products to foster and grow clean energy businesses in New York.
- Helping create new jobs by creating the ecosystem for clean energy businesses to grow.
- Promoting statewide acceptance of new technologies so emerging technologies can advance.
- Offering incubator environments across the State for companies pursuing new technologies.
- Providing workforce development, training, and educational programs to prepare New Yorkers for clean energy careers.

How we’ve done so far:
- Our technology and business investments have helped make more than 467 new and improved clean energy products available to the public, including 33 new products added in 2018 including high-efficiency furnaces, advanced lighting controls, and hybrid electric buses.
- Our incubator program, which supports six cleantech incubators across the State, assisted 271 startups, helping them raise more than $378 million in private capital and almost $105 million in non-NYSERDA grant funding. This generated 1,590 jobs and made dozens of new clean energy and clean technology products widely available.

890,000 households have reduced their energy use and energy bills.

1.25 million homes each year enough electricity is saved to power.

271 startups
$378 million in private capital
$105 million in grant funding
1,590 jobs generated

more than 467 new and improved clean energy products commercially available.

Water and Tree

Keywords: Water and Tree, lake, river, creek, stream, pond, water, tree, pine tree, parks, nature, natural resources, environmental protection, icon, icons, JPMunyan, NYSERDA

LED Light Bulb

Keywords: LED light bulb, LED, light bulb, energy, saving, efficient, efficiency, technology, electricity, icon, icons, JPMunyan, NYSERDA
Growing Renewable, Diverse Energy Supplies

What we’re doing:
Carrying out New York’s $1 billion NY-Sun initiative to help make solar available to all New Yorkers and create a self-sufficient solar industry
Creating public-private partnerships with renewable energy companies to help foster renewable energy business development
Supporting renewable energy technology development

How we’ve done so far:
Our programs are transforming the renewable technology market. From 2011 to 2018, solar in New York increased nearly 1,700%
Through 2018, we funded the installation of renewable generation — primarily solar — at more than 89,000 locations across the State.
> We’ve helped develop 110 large-scale renewable generation projects with an electric capacity of 4,449 MW. Of these, 62 are operating right now and producing enough electricity to power more than 506,000 homes. The remainder are under design and operation.
> We’ve empowered New Yorkers to install onsite renewable energy generation like solar, wind turbines, anaerobic digesters, and fuel cells.

Protecting the Environment

What we’re doing:
We support environmental research that collects information on the impacts of various energy technologies and systems
Our science-based studies help to inform energy-related environmental decision making and protection in New York
Our programs that support energy efficiency and renewable energy technologies help reduce emissions that harm our environment
We monitor and maintain the legacy radioactive waste disposal facility at the Western New York Nuclear Service Center to minimize environmental impacts

How we’ve done so far:
Our energy efficiency and renewable energy programs reduced the need for electricity produced with fossil fuel avoiding associated polluting emissions. For 2018, this equated to eliminating more than 8.2 million tons of CO₂ from New York’s air — equivalent to removing 1.74 million cars from New York’s roads.
Our environmental research has informed mercury pollution control and acid rain policies as well as the design of the CO₂ emission allowance auction platform, also known as the Regional Greenhouse Gas Initiative or RGGI.
Our extensive maintenance and monitoring systems at the Western New York Nuclear Service Center ensure radioactive waste is safely contained and the public’s health and our environment stay safe.
Planning and Policy Activities

In addition to the programs and services above, NYSERDA supports a range of energy analysis, policy, and planning activities.

- We offer objective analysis of energy options for a sustainable, prosperous New York.
- We provide cost-effective and sustainable policy recommendations to guide New York in reliably meeting its growing energy needs and fostering an innovative clean energy economy.
- We provide experienced leadership, technical credibility, and a breadth of energy and environmental knowledge to State energy planning efforts to create an energy roadmap for New York.
- We serve as the energy data clearinghouse for energy price, supply, and use, to best assure energy systems operations.

The New York State Energy Research and Development Authority (NYSERDA) offers objective information and analysis, innovative programs, technical expertise, and support to help New Yorkers increase energy efficiency, save money, use renewable energy, and reduce reliance on fossil fuels. NYSERDA professionals work to protect the environment and create clean energy jobs. A public benefit corporation, NYSERDA has been developing partnerships to advance innovative energy solutions in New York since 1975. NYSERDA provides resources, expertise, and objective information so New Yorkers can make confident, informed energy decisions.