

Accelerating the Use of New Energy Technologies

Emerging Technologies and Accelerated Commercialization Program (ETAC) for Buildings, Homes and Industrial Processes

ETAC helps organizations solve all kinds of energy problems by guiding them to the newest, most innovative, yet proven, energy-efficient products and processes available. By facilitating enduring partnerships between industry leaders, ETAC also creates and promotes successful technology demonstrations.



Emerging Technologies and Accelerated Commercialization Program (ETAC)

Developers and manufacturers of many new, proven energy-efficient technologies are ready to deploy them in commercial, residential and multifamily buildings across the State.

ETAC supports project demonstrations that create real-world evidence of the value of commercially-proven, yet underused, energy technologies and the benefits to those who are ready to lead the way. Supported by NYSERDA's expertise and incentives, ETAC creates partnerships between manufacturers, building owners, technology developers and other visionaries who are ready to be leaders in New York's energy future. ETAC demonstrations and the resulting knowledge transfer opportunities reach across all sectors, from research and development to residential, commercial, multifamily and industrial applications.

Demonstrations with expert partners, access to concise technical information, and generous incentives, enable the ETAC Program to showcase the benefits of many new energy-efficient technologies and dispels the myths that they are untried, high risk or suited only to a specific application. Collaboration between industry leaders builds exposure and credibility for the most promising technologies, accelerating market awareness and encouraging investment.

Energy Innovation Chain



“ETAC will spur continued growth of the clean-energy economy, an important component of Governor Andrew M. Cuomo’s economic development vision. Through public/private partnerships, it will contribute to New York State’s leadership by accelerating market development for proven technologies.”

– Thomas R. Barone, Acting Vice President of Operations and Energy Services for NYSERDA



Emerging Technologies are new – yet proven – energy-efficient technologies, systems or practices that have significant energy-saving potential but have not yet achieved sufficient market share to be considered self-sustaining or commercially validated within New York State. An important goal is to conduct multiple demonstrations of a given technology and compile statistically significant experience under real-world conditions and validate real-world economics.

A Path For Your Sector

ETAC offers opportunities for the Residential, Commercial, Multifamily and Industrial Process sectors to manage and mitigate the risk of adopting new technologies.

Residential ETAC creates synergistic teams of residential building business partners who can promote high-reward energy solutions, such as advanced lighting, and further influence consumer demand. Residential business partners can also use demonstration projects to build a standard of best practices for the sector.

Commercial ETAC promotes the pioneering work of energy efficiency services providers who can leverage relationships with long-term customers to deliver small and medium energy savings to large, comprehensive, and sustainable net-zero energy and deep-energy savings projects across vertical sectors. ETAC proves out novel approaches and technologies for building owners and technology developers with independently verified energy performance data.

Multifamily ETAC showcases how multifamily building owners can implement new technologies to make their properties energy-efficient and more attractive to prospective tenants, improving their return on investment.

Industrial Process ETAC supports multiple full-scale demonstrations of a proven technology with high replication potential for New York's manufacturing base. These installations help the promising technology systematically gain market entry and capture critical knowledge so subsequent installations can occur more efficiently. This iterative learning will culminate in a "best practices" guidebook that will streamline and encourage further replication.

Promising Partnerships Lead to Promising Outcomes

ETAC encourages collaboration among experienced industry leaders, including architects, ENERGY STAR® builders, contractors and manufacturers. This collaboration helps to build an online clearinghouse of information and resources that enable partners to share expertise and knowledge about successful projects across New York State. ETAC also leverages an advisory committee of other experts, including home-performance contractors, scientists, consumers, research and development organizations, and workforce development and training providers. These partnerships ensure that proven energy-saving technologies are available to all of New York State's building industry leaders.

Be a Leader

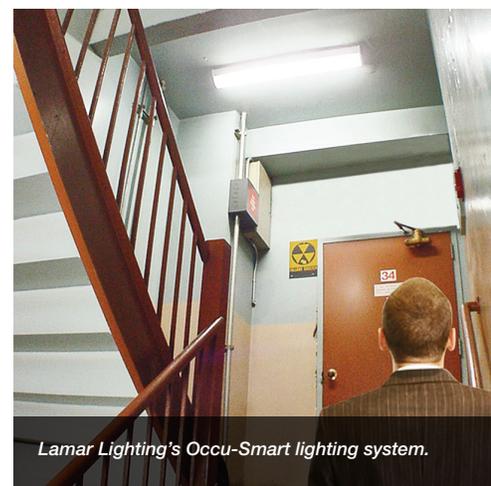
You can contribute to New York State's stewardship of the environment and commitment to a clean economy. Whether you are a technology developer with a proven, energy-related technology, an energy services contractor or builder, or a building owner interested in reducing your property's energy usage, your participation in the ETAC Program will encourage the use of the most promising technologies available on the market today and contribute to the body of knowledge that will help other businesses and consumers make sound and savvy energy choices.

Mulder Construction uses a rigid insulation strategy on a single family home in Rhinebeck, NY.



Technologies for tomorrow are a reality today

Solid-state lighting and lighting controls, home-energy management systems, super insulation, smart-grid integration, and micro-combined heat and power. Just a few of the new technologies that have begun to revolutionize the residential, commercial, and multifamily building industries and secure New York State's energy independence.



Lamar Lighting's Occu-Smart lighting system.

ABOUT NYSERDA

NYSERDA, a public benefit corporation, offers objective information and analysis, innovative programs, technical expertise, and funding to help New Yorkers increase energy efficiency, save money, use renewable energy and reduce their reliance on fossil fuels. NYSERDA professionals work to protect our environment and create clean energy jobs. NYSERDA has been developing partnerships to advance innovative energy solutions in New York since 1975.

NYSERDA PORTFOLIOS

NYSERDA programs are organized into five portfolios, each representing a complementary group of offerings with common areas of energy-related focus and objectives.



ENERGY EFFICIENCY AND RENEWABLE ENERGY DEPLOYMENT

Helping New York State to achieve its aggressive energy efficiency and renewable energy goals – including programs to motivate increased efficiency in energy consumption by consumers (residential, commercial, municipal, institutional, industrial, and transportation), to increase production by renewable power suppliers, to support market transformation, and to provide financing..



ENERGY TECHNOLOGY INNOVATION AND BUSINESS DEVELOPMENT

Helping to stimulate a vibrant innovation ecosystem and a clean-energy economy in New York State– including programs to support product research, development, and demonstrations; clean-energy business development; and the knowledge-based community at the Saratoga Technology + Energy Park® (STEP®).



ENERGY EDUCATION AND WORKFORCE DEVELOPMENT

Helping to build a generation of New Yorkers ready to lead and work in a clean-energy economy – including consumer behavior, youth education, workforce development, and training programs for existing and emerging technologies.



ENERGY AND THE ENVIRONMENT

Helping to assess and mitigate the environmental impacts of energy production and use in New York State– including environmental research and development, regional initiatives to improve environmental sustainability and West Valley Site Management.



ENERGY DATA, PLANNING, AND POLICY

Helping to ensure that New York State policymakers and consumers have objective and reliable information to make informed energy decisions – including State Energy Planning, policy analysis to support the Regional Greenhouse Gas Initiative and other energy initiatives, emergency preparedness, and a range of energy data reporting.

NYSERDA OFFICES

ALBANY

17 Columbia Circle
Albany, NY 12203-6399
518-862-1090

BUFFALO

726 Exchange Street
Suite 821
Buffalo, NY 14210
716-842-1522

NEW YORK CITY

Atrium Building
485 Seventh Avenue
10th Floor, Suite 1006
New York, NY 10018
212-971-5342

WEST VALLEY

9030-B Route 219
West Valley, NY 14171
716-942-9960



State of New York | Andrew M. Cuomo, Governor
New York State Energy Research and Development Authority
Richard L. Kauffman, Chairman | John B. Rhodes, President and CEO
1-866-NYSERDA | info@nyserdera.ny.gov | nyserdera.ny.gov

To learn more about participating in ETAC,
visit nyserdera.ny.gov/etac or call 1-866-NYSERDA.