



EMPOWER
the multifamily
building industry

CATALYZE
the market
through demands

DEVELOP
new solutions
at scale

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RetrofitNY — Revolutionizing New York’s Building Renovations

RetrofitNY is leading the creation of new solutions to renovate affordable multifamily buildings in New York State. It will drive the development of standardized, scalable solutions that approach or achieve net-zero, improving the aesthetic and comfort of residential buildings while dramatically improving their energy performance.

The RetrofitNY approach is based on the successful European program, Energiesprong, which has brought 4,500 units of retrofits and an additional 5,000 units of new affordable housing construction to net-zero energy with 20,000 more in the pipeline. Launched in the Netherlands in 2013, Energiesprong has since spread to France, the United Kingdom, Germany and, now, New York. Adapting this tested and proven model to New York, we are transforming the building renovation industry through five key actions:

1. Aggregating demand among building owners
2. Mobilizing the building industry to develop innovative technical solutions
3. Collaborating with manufacturers to help drive innovation, availability, and cost compression of relevant technologies
4. Working with financial organizations to fund projects by recapturing energy savings
5. Engaging regulatory agencies to help facilitate widespread adoption

Benefits

Making New York’s affordable housing more energy efficient will bring value to everyone in the State. From creating more livable, comfortable homes to reducing household utility bills, RetrofitNY benefits go beyond energy savings alone. RetrofitNY will produce a new model for economic growth that mobilizes vital innovations in the building industry to create new jobs and financing opportunities—all while dramatically reducing greenhouse gas emissions statewide. Together, we will:

- Provide substantial savings on utility and maintenance expenses for building owners and/or their residents
- Improve living space comfort and indoor air quality as well as the exterior aesthetics of buildings
- Serve as a model for the industry in New York and beyond, encouraging deep energy efficiency in existing buildings

How it works

RetrofitNY will engage solution-provider teams to deliver high-performance retrofit solutions for actual buildings representing several different typologies. RetrofitNY will work side-by-side with solution-provider teams and building owners to ensure each project is feasible, financeable, and fulfills the initiative's performance goals.

How to get involved

RetrofitNY is seeking proposals from teams of solution providers to deliver scalable retrofit solutions that approach or achieve net-zero. Indications of interest will also be accepted from private and public building owners for buildings in their portfolios that are viable candidates for this retrofit approach.

Building Owners, Public Housing Authorities, and Developers:

- Screen your portfolio for properties you may wish to submit for consideration. Ideal candidates are affordable multifamily rental buildings that are architecturally simple ranging up to seven stories and scheduled for major capital upgrade/rehabilitation in the next 12–30 months.
- Contact NYSERDA to discuss feasibility and formalize your interest.

Manufacturers, Architects, Engineers, Builders, and General Contractors:

- Connect with your network of partners and colleagues in manufacturing, architecture, engineering, and construction to explore development and deployment of key technologies needed for the RetrofitNY initiative such as:
 - > **Exterior envelop retrofit panels.** Highly durable and low-cost, high-performance panels that integrate windows and doors, suitable for retrofit application.
 - > **Roofing systems.** High-performance, low-cost systems capable of integrating with solar for retrofit application.
 - > **Electric integrated mechanical system (energy pod).** All electric system capable of delivering heating, cooling, ventilation, dehumidification, and domestic hot water to individual apartments and installed externally on 1–3 story buildings. Integrated controls to facilitate remote performance monitoring and maintenance should be included. The energy pod should be aggressively priced to deliver services at a comparable cost or less than business as usual to serve as a market disruptor.
- A new business model is needed to deliver a turn-key, net-zero retrofit solution to building owners. RetrofitNY is seeking to initiate the creation of an entity that provides a multi-functional approach to coordinate with the component manufacturers for the technologies outlined above, and to optimize and streamline the entire project delivery while providing significant cost compression.

NYSERDA plans to engage and support industry teams to develop the key technologies and processes outlined above through various Program Opportunity Notices and other solicitations.

Don't renovate New York buildings, RetrofitNY

Visit nysERDA.ny.gov/retrofitny for more information and to sign up for the latest news and updates.

