

# Retrofit NY: Update on the Road to Net Zero Results

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## ABSTRACT

RetrofitNY is a 10-year long NYSERDA initiative aimed at revolutionizing the way buildings are renovated in New York State. Our goal is to spearhead the creation of a large private sector-driven deep energy retrofit industry capable of delivering market standardized, scalable solutions and processes that will improve the aesthetics and comfort of residential buildings while dramatically improving their energy performance. RetrofitNY is working aggressively to bring a large number of affordable housing units to or near net-zero energy performance by 2025, helping preserve New York State's affordable housing, achieve the state's ambitious climate goals and provide new business opportunities in the process. RetrofitNY is beginning to expand to additional building sectors, now working closely with the State University of New York (SUNY) on developing net-zero energy retrofits for their dormitory portfolio.

RetrofitNY has commissioned six integrated solution-provider teams to design net-zero energy performance retrofits for six multifamily affordable housing buildings, which are evenly divided between low-rise and mid-rise typologies and upstate and downstate locations. By the date of this conference, we expect to have completed the designs for all six projects and will be readying to enter the construction phase. Our presentation will update attendees on the progress of our initiative, including:

- a presentation of final retrofit design solutions from a number (likely 2) of RetrofitNY solution provider teams, including the challenges teams faced and the solutions they achieved;
- the collaborative strategy followed that included all of the solution-provider teams as well as building owners, their financing partners, code officials and other regulators, and other key stakeholders;
- the role of the Integrative Design Process coaches with each team;
- an update on the parallel design-build RFP being developed (and which we anticipate will have been issued by the date of the conference) by SUNY and the Dormitory Authority of the State of New York (DASNY) to undertake a net zero retrofit on one of SUNY's dormitories; and
- what the future holds for net zero retrofits, with a focus on market expansion and pipeline creation, manufacturing engagement and product development, and the next round of solicitations RetrofitNY plans to issue.

## **BIOGRAPHY**

**Greg Hale** joined NYSERDA in February 2018, as Senior Advisor for Energy Efficiency Markets and Finance. Greg is leading a team creating a policy roadmap to achieve a zero net carbon building stock throughout NY state. This work includes strategic co-leadership for RetrofitNY, an initiative aimed at developing scalable high performance retrofit solutions that achieve or approach net zero energy. Greg is also a strategic advisor to NY Green Bank and other NYS policy efforts related to energy efficiency financing. Prior to joining NYSERDA, Greg served in Governor Cuomo's administration as Senior Advisor to the Chairman of Energy & Finance, where he focused on the development and execution of the Governor's signature energy policy—Reforming the Energy Vision (REV). Greg was responsible for overseeing the establishment of the \$1 billion NY Green Bank and was the lead author of NY's 2015 State Energy Plan. He also led an inter-agency working group developing clean energy solutions for the low to moderate income sector. Prior to joining the Governor's Office, Mr. Hale was the Director of Efficiency Finance at Natural Resources Defense Council's Center for Market Innovation. Greg is a founding board member of the New York City Energy Efficiency Corporation, and he served on the steering committee of the PACENow Coalition.