

NYSERDA's Carbon Neutral Buildings Roadmap - Decarbonizing Central New York's Building Stock

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Nina Sharifi, *Assistant Professor, Syracuse University*

Ryan Wallace, *Partner, Geneva Solar Village*

ABSTRACT

Greg Hale will discuss NYSERDA's Carbon Neutral Buildings Roadmap covering the policy recommendations, solution sets for the targeted building sectors, impact on workforce development and disadvantaged communities, healthy buildings, and the technology and innovation needed going forward. He will tailor the presentation to highlight the applicability to Central New York's built environment and bring in local developers to discuss their projects as case studies, proving that decarbonization is possible in CNY. The session will then be open for Q&A and we will seek feedback from attendees on areas we should focus on in the next iteration of the Roadmap, such as additional R&D needed, financing options, resiliency measures, etc.

BIOGRAPHY

In his position as Senior Advisor for Energy Efficiency Markets & Finance at NYSERDA, **Greg** is leading NYSERDA's creation of a policy roadmap to achieve a statewide carbon neutral building stock. This work includes strategic co-leadership for RetrofitNY, an initiative aimed at developing scalable retrofit solutions that achieve or approach net zero energy for New York's multifamily housing stock. Greg also provides oversight of NYS policy related to energy efficiency financing, including an ongoing role as strategic advisor to NY Green Bank.

Prior to NYSERDA, Greg was Senior Advisor to NY's Chairman of Energy & Finance, focused on development and execution of Governor Cuomo's signature energy policy— Reforming the Energy Vision (REV). Greg oversaw the establishment of the \$1 billion NY Green Bank, and was the lead author of NY's 2015 State Energy Plan.

20th Annual New York State Green Building Conference

March 31 to April 28, 2022

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Tom Goodfellow, developer in Syracuse – was inspired to develop a [vacant building](#) near train station into high efficiency mixed-use commercial and multifamily in Syracuse.

Nina Sharifi, is an Assistant Professor at the Syracuse University School of Architecture and Faculty Research Fellow at the Syracuse Center of Excellence with over 15 years of experience in high-performance building technologies research and design. Dr. Sharifi's laboratory develops low-carbon active enclosure systems, building retrofit approaches and design optimization techniques, and decentralized bioconstruction for semi-rural closed loop built ecologies. With a background in sustainable architecture and technology development, Sharifi now maintains interdisciplinary research and design collaborations across architecture, engineering, information science, biotechnology, and materials science. She is currently Principal Investigator on multi-year retrofit projects, including the Syracuse University Net Zero Living Lab, a replicable model for affordable multifamily housing in cold climates.

Ryan is a housing and energy geek, installing his first solar array at the age of 15 and started his first construction company at 25. Since then he built some of the first net zero energy homes in the country and installed over 500 solar arrays in 16 states. In 2018, Ryan and his partners built the first Net-Zero modular housing factory on the east coast and constructed an 18-home Net-Zero modular housing development on the shores of Seneca Lake in Geneva, NY. The company is now expanding their factory operations to deliver thousands of net zero multifamily units across New York and the northeast. Ryan is a NABCEP Certified Solar Installer.

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