



Shaping Tomorrow's
Built Environment Today

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***NYSERDA Buildings of Excellence Event - Solara Net Zero Apartments Grand Opening
Solara Apartments, Rotterdam, NY
April 16, 2019***

Thank you for the opportunity to speak here today. I want to start by taking a moment to acknowledge the great work that Matt Brown, Pat Fitzgerald and the rest of the New Construction team have done with putting together this competition. I also want to acknowledge Alicia Barton, whose leadership at NYSERDA is writing a new chapter in the history of our energy sector and built environment

My name is Brendan Hall, I am a mechanical engineer in Syracuse and I am here today on behalf of ASHRAE. Our society is the foremost source of technical and education information on the built environment. Our 2,500 volunteer members in New York State and a 57,000 members worldwide are the professionals who work to incorporate energy conservation measures into our built environment. Through a transparent, consensus-based process, our society develops the technical language that forms the codes and standards that are currently used by New York State to regulate energy usage and indoor air quality in commercial buildings.

We are very proud to be partners with NYSERDA in their efforts to bring the construction of net zero energy buildings to the broader market.

For more than 35 years, ASHRAE's Standard 90.1 has been a benchmark for commercial building energy codes in the United States and a key basis for codes and standards around the world. ASHRAE is committed to a leadership role in responding to climate change as it affects the built environment and human health. In support of these commitments, ASHRAE continuously advances the HVAC&R field by conducting research and developing guides and standards for the design of systems that minimize energy consumption, reduce emissions of high global warming potential refrigerants, and provide resiliency to extreme weather events.

In 2008, ASHRAE committed to develop and provide the tools and technical resources to assist design professionals who aspire to construct net zero energy buildings. We are looking forward to sharing the tools, knowledge, and best practices that have been developed with all of you. As one step towards this goal, we are going to be traveling across the state in June to provide a three-hour training course on advanced net zero building design. This course is accredited for continuing education credit in New York State for those with a PE, as well as through AIA and USGBC.

In June we will also be releasing a net zero energy guide for small and medium size office buildings. This is our second net zero energy guide and 14th Advanced Energy Design Guide that has been developed jointly by the Department of Energy, ASHRAE, AIA, USGBC and IES. A guide for zero-energy K-12 buildings was released last year and we anticipate a zero-energy multifamily guide will be issued next year. All these guides are available for free download on our website. In January of this year, ASHRAE also approved two new standards: a passive building standard and a zero-energy standard, which will help the building industry improve performance.

We find ourselves at a turning point as an industry. If we are to avoid the worst-case scenarios of climate change for our children, we have the task of transforming a trillion dollar industry in the next two decades. A transformation this large and rapid will only happen if we can prove to the market that net zero buildings are not only just more comfortable and have better environmental quality, but that they are economically viable as well. ASHRAE is committed to shaping tomorrow's built environment today.

The leadership being shown by New York State and NYSERDA is invaluable to this process and we at ASHRAE are will provide the research, education, and training to help make that a reality. We are proud that ASHRAE and NYSERDA are partners in building our new energy future.

Thank you.

Given by:

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