



Shaping Tomorrow's
Built Environment Today

January 26th, 2022

The Honorable Michael Cusick
Chair
Assembly Committee on Energy
New York State Assembly
198 State Street Room 715
Albany, NY 12210

Letter sent via email to: CusickM@nyassembly.gov

Re: NY A. 8143 (S. 7176), *Advanced Building Codes, Appliance and Equipment Efficiency Standards Act of 2021*:

Dear Chair Cusick:

The Niagara Frontier Chapter of ASHRAE are writing to you regarding Assembly Bill 8143, the *Advanced Building Codes, Appliance and Equipment Efficiency Standards Act of 2021*.

ASHRAE supports adoption of the most up-to-date energy standards. Specifically, we support the provision in A. 8143 that proposes to update the state code to include the “most recently published” edition of ASHRAE Standard 90.1 (which is currently the 2019 edition).

ASHRAE Standard 90.1-2019 is the alternative compliance pathway for the 2021 IECC according to section C401.2 (Application). Adopting Standard 90.1-2019 statewide will result in energy savings and lower operational costs. For buildings in New York, this would amount to estimated energy cost savings of \$2.24 million in the first year, and \$1.1 billion over 30 years. These savings are calculated based on the present value of energy savings for a building built under the updated code as compared to the previous code. Adopting the latest energy standard in New York is also estimated to reduce statewide carbon dioxide emissions by 6.7 million metric tons over 30 years, equivalent to the emissions of 1,450,000 cars driven for one year¹.

ANSI/ASHRAE/IES Standard 90.1, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, has been the benchmark for commercial building energy codes in the United States and a key basis for codes and standards around the world for more than 35 years. It is an indispensable reference for engineers and other professionals involved in design of buildings and building systems. The 2019 edition of Standard 90.1 includes significant updates and clarifications to previous editions. These include changes to the requirements for administration and enforcement, the building envelope, the lighting, mechanical, and energy cost budget sections, and the performance rating method.

¹ Cost-Effectiveness of ANSI/ASHRAE/IES Standard 90.1-2019 for New York, Pacific Northwest National Laboratory, July 2021: https://www.energycodes.gov/sites/default/files/2021-07/Cost-effectiveness_of_ASHRAE_Standard_90-1-2019-NewYork.pdf

ASHRAE, founded in 1894, is a technical and professional society of more than 50,000 members, including over 2,500 in New York, that focus on building systems, energy efficiency, indoor air quality, refrigeration, and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow's built environment today.

Again, we appreciate your support of Assembly Bill 8143 and its proposed inclusion of the most recent edition of ASHRAE Standard 90.1 in the State of New York's building energy codes. This update would benefit the people of New York and result in a more sustainable built environment. If you have any questions or need additional information, please feel free to contact GovAffairs@ashrae.org. Thank you for your work to improve building performance and improve the lives of New York residents.

Sincerely,

Nicholas Masiello

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