



Shaping Tomorrow's
Built Environment Today

180 Technology Parkway, NW • Peachtree Corners, GA 30092-2977 • Tel: 404.636.8400 • Fax: 404.321.5478

M. Dennis Knight
2024-2025 ASHRAE President

Whole Building Systems, LLC
921 Pitt St.
Mt. Pleasant, SC 29464
Phone: (843)437-3647
Email: dknight@wholebuildingsystems.com

February 14, 2025

The Honorable Terrell McKinney
Committee on Urban Affairs
Nebraska State Capitol
1445 K St,
Lincoln, NE 68508

RE: Support for LB 611 "Adopt updates to building and energy codes"

Dear Senator McKinney:

I am writing on behalf of ASHRAE, the American Society of Heating, Refrigerating, and Air Conditioning Engineers. We are a professional and technical society of more than 55,000 members dedicated to energy efficiency, indoor air quality, resiliency, and sustainability in the built environment. Through our Society's research, standards writing, publishing, certification, and continuing education, ASHRAE shapes tomorrow's global built environment today. As one of the premier subject matter experts on the built environment, and on behalf of our 415 members in the state of Nebraska, we wish to convey our support of NE LB 611 and urge for its swift passage in your committee.

LB 611 would, if passed, adopt a more modern energy code in Nebraska, the 2021 edition of the International Energy Conservation Code. This model code references several ASHRAE standards, and includes ANSI/ASHRAE/IES Standard 90.1-2019 as an alternative compliance pathway for commercial construction. Adoption and use of the most up to date energy codes and standards creates a healthier, more resilient built environment, while also benefiting the state's economy and lowering energy costs for Nebraskans.

A family living in a home built to this more modern code should expect to save \$163 per year on their utility bills.¹ For commercial construction, the energy efficiency gains are so substantial and the upfront costs are so minimal that in most cases the owner would expect to see an immediate payback period – the savings on their first utility bill would fully cancel out any increased upfront construction costs.²

There are also community wide resilience improvements created by having a more energy efficient building stock in Nebraska. When extreme weather hits, buildings that are drawing less power help the grid stay online for everyone. If the power does go out during extreme weather, buildings constructed to a modern energy standard keep their occupants safer for longer than buildings constructed to outdated codes.³

Finally, there is job creation and savings for taxpayers associated with adopting a modern code. The money that will be saved on utility bills will circulate in Nebraska's economy. Subsequently, adopting the 2021 IECC is expected to create over 100 jobs in the first year after adoption.⁴ Taxpayers will also benefit because they will not be on the hook for paying unnecessarily high utility bills for public buildings constructed to outdated codes.

For these reasons, ASHRAE supports the adoption of the 2021 IECC proposed by this legislation, and we urge swift passage of NE LB 611 in your committee. This will benefit the people of Nebraska by saving them money, increasing resiliency, and creating jobs. 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 Nebraska residents.

Sincerely,



M. Dennis Knight
2024-2025 ASHRAE President

¹ "Nebraska Can Save Energy, Money, and Mitigate the Effects of Climate Change through Building Energy Codes." n.d. Accessed February 13, 2025. https://www.energycodes.gov/sites/default/files/2021-07/EED_1365_BROCH_StateEnergyCodes_states_NEBRASKA.pdf.

² Tyler, M, Y Xie, E Poehlman, and M Rosenberg. 2021. "Choose an Item. Cost-Effectiveness of ANSI/ASHRAE/IES Standard 90.1-2019 for Nebraska." https://www.energycodes.gov/sites/default/files/2021-07/Cost-effectiveness_of_ASHRAE_Standard_90-1-2019-Nebraska.pdf.

³ Franconi, Ellen, Luke Troup, Mark Weimar, Yunyang Ye, Chitra Nambiar, Jeremy Lerond, Eliza Hotchkiss, et al. 2023. "Enhancing Resilience in Buildings through Energy Efficiency Pacific Northwest National Laboratory." https://www.energycodes.gov/sites/default/files/2023-07/Efficiency_for_Building_Resilience_PNNL-32727_Rev1.pdf.

⁴ Salcido, Victor, Yan Chen, Yulong Xie, and Zachary Taylor. 2021. "Choose an Item. Cost-Effectiveness of the 2021 IECC for Residential Buildings in Nebraska." https://www.energycodes.gov/sites/default/files/2021-07/NebraskaResidentialCostEffectiveness_2021.pdf.