TEXAS A&M ENGINEERING EXPERIMENT STATION

ENERGY SYSTEMS LABORATORY

November 4, 2022

David Session
Assistant Building Official
Development Services Department
City of Dallas
320 E. Jefferson Blvd., Room 204
Dallas, TX 75203
L.sessions@dallas.gov

Re: City of Dallas adoption of 2021 IECC and NCTCOG Recommended Amendments

Dear Mr. Session:

Thank you for your email inquiry to the Energy Systems Laboratory (ESL) regarding the 2021 IECC and the North Central Texas Council of Government's (NCTCOG) recommended amendments. The ESL supports the City of Dallas adoption of the 2021 IECC with or without the NCTCOG Recommended Amendments, as both exceed the current Texas Building Energy Performance Standards (TBEPS), which reference the 2015 IECC.

As specified in the attached ESL letter to the State Energy Conservation Office (SECO), dated Aug 30th, 2021, based on the ESL's stringency analysis, both the 2021 IECC commercial and the 2021 IECC residential provisions are more stringent than the commercial and residential provisions of the 2015 IECC. Therefore, the ESL recommended the adoption of the 2021 IECC commercial and 2021 IECC residential provisions, as published, to SECO as the new Texas Building Energy Performance Standards (TBEPS).

Any of NCTCOG's proposed amendments to the 2021 IECC, though less restrictive than the 2021 IECC, are still more stringent than the current Texas Building Energy Performance Standards (TBEPS) that are based on the 2015 IECC.

Sincerely,

Bahman Yazdani, P.E.
Associate Director

List of Attachments:

A. ESL's preliminary recommendation to SECO regarding the 2021 IRC (Chapter 11) and the 2021 IECC, based on a stringency analysis, dated Aug 30, 2021.
B. Summary of the Laboratory's Stringency Comparison Analysis: TBEPS (based on Chapter 11 - 2015 IRC and 2015 IECC) Vs. the 2021 IRC and 2021 IECC: Single Family Residential.
C. Summary of the Laboratory's Stringency Comparison Analysis: TBEPS (based on Chapter 11 - 2015 IRC and 2015 IECC) Vs. the 2021 IRC and 2021 IECC: Commercial.

CC: Jeff Haberl, P.E. inactive, Ph.D., FASHRAE, Associate Director
Juan-Carlos Baltazar, P.E., Ph.D., Associate Director