Appendix E

Energy Performance Certification

NOTE: Appendix E only applies to new construction and gut rehabilitation projects.

Required:
❒ **Residential Projects (<4 stories) – Energy Rater submits Home Energy Rating System (HERS) certificate, Code Certificate, SAVE Reports and signs certification below for submittal by project applicant/recipient.**

❒ **Commercial or Residential Projects >3 stories – Energy Rater / Energy Professional submits Code Certificate and energy modeling information and completes and signs certification below for submittal by project applicant/recipient.**

The project's independent, third-party energy rater or energy professional for non-residential projects is required to sign the certification below at time of construction completion. By signing this certification, the Energy Rater is certifying that the project, as constructed, complies with all of the **MANDATORY** Iowa Green Streets Criteria energy related criteria applicable to the project as determined by the Iowa Economic Development Authority including the following criteria:

- **5.1a, Building Performance Standard – Single-Family and Multifamily ≤ 3 stories**
  - Energy performance requirements in Energy Performance Table for 5-1a were met
  - HERS Index of 70 or better
  - HVAC SAVE total system performance score of 85 percent or better
  - For all equipment installed, meet or exceed the minimum performance requirements in the energy performance table in Criterion 5-1a
- **5.1b, Building Performance Standard – Multifamily ≥ 4 stories**
  - Exceeded the performance of ASHRAE 90.1-2010 Appendix G by 15 percent
  - HVAC SAVE total system performance score of 85 percent or better
  - Passed a pre-drywall thermal enclosure inspection
  - Installed equipment and insulation complying with Iowa Green Streets Criterion 5-1a
  - Submitted completed reports to the Iowa Economic Development Authority, including the following: energy modeling information showing adherence to exceeding ASHRAE 90.1-2010 Appendix G by 15 percent, code certificate, SAVE scores, and thermal bypass checklist
- **5.1c, Building Performance Standard – Mixed Use with Residential**
  - Exceeded the performance of ASHRAE 90.1-2010 Appendix G by 15 percent
  - HERS Index of 70 or better
  - HVAC SAVE total system performance score of 85 percent or better
  - Passed a pre-drywall thermal enclosure inspection
  - Installed equipment and insulation complying with Iowa Green Streets Criterion 5-1a
  - Submitted completed reports to the Iowa Economic Development Authority, including the following: energy modeling information showing adherence to exceeding ASHRAE 90.1-2010 Appendix G by 15 percent, code certificate, HERS Rating Certificate, SAVE scores, and thermal bypass checklist
- **5.1d, Building Performance Standard – Commercial**
  - Exceeded the performance of ASHRAE 90.1-2010 Appendix G by 15 percent
  - Passed a pre-drywall thermal enclosure inspection
  - Installed equipment and insulation complying with Iowa Green Streets Criterion 5-1a
  - Submitted completed reports to the Iowa Economic Development Authority, including the following: energy modeling information showing adherence to exceeding ASHRAE 90.1-2010 Appendix G by 15 percent, code certificate, and thermal bypass checklist

- 5.2, ENERGY STAR and Energy Efficient Appliances (if providing appliances)

- 5.3a, Efficient Lighting: Interior

- 5.4, HVAC Sizing, Installation and Duct Systems
  - **Residential Projects**: Heating and cooling equipment sized in accordance with the Air Conditioning Contractors of America (ACCA) Manual, Parts D, J and S
  - **Commercial Projects:** ASHRAE handbooks, or equivalent software

To be Completed by Energy Rater/Energy Professional	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (license/ licensing body)	
Date:	