

## APPENDIX H ENERGY EFFICIENCY

Appendix 1 of the 2017 Qualified Allocation Plan establishes the minimum construction characteristics for all Tax Credit Applicants. Section G-25, provides the minimum construction requirements for Energy Efficiency. Each awarded Applicant is responsible for uploading all required energy efficiency documentation to the Application under the Construction Tab

### **Existing Structures**

Prior to the start of construction, IFA requires an engineer or architect to certify that the design meets the 2015 IECC. The review shall be documented with a letter from the engineer or architect to IFA indicating whether the proposed construction meets the IECC. In the event the proposed construction doesn't meet the code requirements, the engineer or architect shall provide suggestions for corrections to the plans and specifications that will ensure IECC will be met.

For existing structures, prior to the preparation of the final work rehabilitation order and start of rehabilitation, the Ownership Entity shall provide to IFA, a copy of the energy audit for each building that was conducted by a certified home energy rater or firm specializing in energy efficiency that is acceptable to IFA. The energy rater, Owner, and IFA will determine the feasibility of meeting the requirements of IECC. Appropriate specifications to meet IECC standards or alternate cost-effective energy improvement shall be included in the final work rehabilitation order and shall be submitted with the plans and specifications for approval before starting construction. Refer to 2017 QAP Appendix 1-G.25 and Section 8.1.7.

At the completion of the rehabilitation, an energy audit by a certified energy rater is required that verifies the rehabilitation work on each building meets the standards of IECC. The contract for the determination of the energy audit shall be between the certified rater and the Ownership Entity. If upon completion, a Project does not meet the specified energy improvements, additional steps needed to meet IECC shall be taken by the Ownership Entity prior to the issuance of the IRS form 8609.

### **New construction developments with three stories of residential space or less and buildings with four or five stories above-grade (wherein each Unit has its own heating, cooling and hot water systems, separate from other Units) and where dwelling units occupy 80% or more of the occupiable square footage of the building,**

In addition to meeting Iowa State Code and the IECC, the Project shall meet or exceed Energy Star 3.0 prescriptive standards and receive a Home Energy Rating Systems (HERS) Index of 70 or less from a certified rater in Iowa. A home energy rating performed by a Certified HERS rater is required on each building after it is completed to verify that actual construction meets the above listed requirements. Five (5) Units with different floor plans and orientations for complexes of less than 50 Units and ten percent (10%) of Units up to a maximum of ten (10) Units in complexes of 50 or more Units, shall be rated. The contract for the determination of the HERS Index shall be between the certified rater and the Ownership Entity. If upon completion, a Project doesn't meet the HERS Index of 70 or less, additional steps must be taken by the Ownership Entity to obtain the HERS Index of 70 prior to issuance of the IRS Form 8609. If the Applicant elected scoring points for a lower HERS Index, that requirement shall be met prior to the issuance of the IRS Form 8609.

### **New construction developments with four stories or more**

ANSI/ASHRAE/IES Standard 90.1-2010 shall be met. Supporting documentation shall be provided by an independent licensed engineer. If upon completion, a Project doesn't meet ANSI/ASHRAE/IES Standard 90.1-2010 additional steps must be taken by the Ownership Entity to meet the standard prior to issuance of IRS Form 8609.

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### **Notes**

Per 2017 QAP, Appendix 1-G, high energy efficiency components and appliances are encouraged.

Per 2017 QAP Appendix 1, once final plans, specifications, the energy audit or analysis have been completed, the Applicant shall submit them to IFA and receive written approval before commencing site work or construction.

The energy efficiency required documents listed above as stated in the QAP, Appendix 1-G25, shall be prepared by a duly licensed engineer or architect authorized to do business in Iowa except the HERS ratings shall be submitted by a RESNET certified rating agent.