



Code Administrators, Inc.

Plan Review ~ Code Inspection ~ Code Consulting ~ Code Education ~ Code Development
York

4184 Lincoln Highway • York, PA 17406
Phone: 717.755.9120 • Fax: 717.755.9135

Lancaster

4340 Oregon Pike • Ephrata, PA 17522
Phone: 717.859.3350 • Fax: 717.859.3363

UCC Requirements for Energy Conservation for Residential

The following information is provided to assist permit applicants with the requirements of the exterior envelope for a dwelling to provide for a minimum level of energy conservation. These items are not inclusive and if there are questions regarding the code applicability to a specific project, a preliminary inspection with a construction code official should be scheduled with our office.

The Uniform Construction Code requires energy conservation to comply with Section 403.21 (e) of the State Regulations:

403.21(e) A permit applicant may utilize one of the following prescriptive methods to demonstrate compliance with the energy conservation requirements of the Uniform Construction Code. The standards are those listed for the climatic zone of this Commonwealth where the building or structure is located.

(1) The prescriptive methods for detached residential buildings contained in the current version of the "International Energy Conservation Code" compliance guide containing State maps, prescriptive energy packages and related software published by the United States Department of Energy, Building Standards and Guidelines Program (REScheck™) or "Pennsylvania's Alternative Residential Energy Provisions."

RESIDENTIAL ENERGY EFFICIENCY

401. General

402. BUILDING THERMAL ENVELOPE

402.1 General. (Prescriptive)

402.2 Specific Insulation Requirements. (Prescriptive)

402.3 Fenestration. (Prescriptive)

402.4 Air Leakage. (Mandatory)

402.5 Moisture Control. (Mandatory)

402.6 Maximum Fenestration U-factor and SHGC. (Mandatory)

403. Systems. (Mandatory)

404. Simulated Performance Alternative. (Performance)

****Engineered Analysis Required****



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- (2) **Department of Energy “ResCheck” complete submittal, to include inspection reports**

- (3) **PA Alternative Residential Energy Provisions 2006 as published by PHRC**