

# City of Waverly Building & Zoning Department

## Nebraska Energy Code Certification

Date \_\_\_\_\_

Permit Number \_\_\_\_\_

I \_\_\_\_\_ hereby certify the structure contained in this building permit application complies with the Nebraska Energy Code (RRS 81-1608 to 81-1626) in accordance with the following method:

Party Responsible for IECC Compliance \_\_\_\_\_

Signature \_\_\_\_\_

### Residential

       **IECC - 2009 International Energy Conservation Code, Chapters 4, Section 402.1.1 (Prescriptive)**- This option is available for use by residential contractors but it should be noted that the use of the IECC Prescriptive Table requirements does not allow a builder any versatility in the homes building insulation requirements and all Mandatory requirements of the code are still required. If you use this compliance option you will need to submit all your energy calculations at the same time as your building permit application.

       **REScheck - 2009 International Energy Conservation Code, Chapter 4, Section 402.1.2**- Checking this box allows you to use the REScheck energy calculation program (**4.4.1 or newer**). This is a free download from the U.S. Department of Energy. This program gives you more versatility to pick and choose the way you want to insulate your residence. If this box is checked, you will be required to submit the calculations and the signed compliance statement, both of which are printed out when you complete the calculations for the residence. The web address to download this program is [www.energycodes.gov](http://www.energycodes.gov). (**Select the 2009 IECC as the Code Option and Select Waverly, NE as your project location**)

#### State Energy Code requirements associated with REScheck:

##### **Building-**

- Foundation walls require insulation to comply with REScheck.

##### **Mechanical-**

- Heat & Cooling systems must be sized appropriately.
- When the primary heating system is a forced air furnace, a programmable thermostat is required.
- Heat pump with supplementary electric resistance heaters must be equipped with controls that prevent heater operation when the heating load is capable of being met by the heat pump.
- All duct work must be sealed.
- Supply duct work in unconditioned attic or outside must be R-8 insulation.
- Return duct work in unconditioned attic or outside must be R-6 insulation.

##### **Plumbing-**

- All of the Nebraska Energy Code requirements regarding Service Water Heating. These requirements include issues regarding combination services water/space heating systems, swimming pools, and circulation.

##### **Electrical-**

- A minimum of 50 % of the lamps in permanently installed light fixtures shall be high-efficiency lamps.
- Recessed fixtures installed within a building envelope shall be IC rated air tight cans.

### Commercial

       **IECC - International Energy Conservation Code, Chapter 5, Section 502- Prescriptive Requirement**

       **COMcheck** - signed compliance certificate required - Checking this box allows you to use the COMcheck energy calculation program. This is a free download from the U.S. Department of Energy. This program gives you more versatility to pick and choose the way you want to insulate your building. If this box is checked, you will be required to submit the calculations and the signed compliance statement, both of which are printed out when you complete the calculations for the building. The web address to download this program is [www.energycodes.gov](http://www.energycodes.gov).

       **Commercial Building can also meet the ASHRAE / IESNA 90.1**