

Nu-Tech Energy Solutions, Co.



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Bailey Homes of Ithaca, Inc.
1395 Danby Road
Ithaca, NY 14850

Dear Mr. Hovanec,

Just wanted to send you note of congratulations regarding the outstanding job your company did in building your first New York Energy Star Certified Home (13 Tanbark Circle, Freeville, NY). The energy efficiency level the home achieved deserves special recognition. As an Energy Rater we use what is called the HERS Index to benchmark or score a home's energy efficiency level and to compare it to others. The scoring system works in reverse of conventional wisdom, so the lower your score number the more efficient your home is. A score of 100 is a typical, conventionally framed home built to absolute minimum Energy Codes. A score of 85 is the minimum needed to achieve Energy Star Home status. A score of "0" would be a home that uses no net energy from the power grid (only a handful of these in the U.S.). Your home scored an astounding, HERS Index of 38. This means the home can operate at a level that is 62% more efficient than an identical home built to the minimum energy code.

To give an idea of how efficient this is...our computer modeling and testing data of the completed home shows that the entire conditioned space of the home totaling approx. 4,874 sq ft can be heated for \$947 per year at current utility rates and be cooled for just \$95 per year. This could be compared to an identical home built to the current minimum energy code which could cost \$2,492 per year to heat and \$250 per year to cool. So your home has the potential to save the homeowner over \$1700 per year on heating and cooling alone at current utility rates. These savings will increase as utility rates rise. So your home is almost like an insurance policy against rising utility costs.

The energy savings alone do not tell the whole story. Your home will be much more comfortable with no drafts, even temperatures, quiet space, higher and controllable indoor air quality, higher resale value, etc. Congratulations on a job very well done!

Yours truly,

A handwritten signature in blue ink that reads "Pete Vargo". The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

Pete Vargo
Certified Energy Rater / Energy Star Partner
NAHB Green Building Verifier
Rater # R0103-BPCA/NYS