

## MIDWESTERN ENERGY SOLUTIONS, LLC

Building Solutions for Energy Efficiency

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To: Jack Achs

11/27/2013

Subj: Energy Modeling of New Home

This letter is to confirm the Energy Modeling of the proposed new home for Jack and Molly Achs, which will be located in Byron Port, IL. Over the past year, Midwestern Energy Solutions, LLC of Oelwein, IA has been working with the Achs, their Building Contractor and Sub-Contractors in an effort to assist Jack and Molly in building an energy efficient home, which will also carry the prestigious Leadership in Energy & Environmental Design (LEED) Platinum certification.

Final modeling of the home was finished and LEED paperwork reviewed on the date of this letter, at the offices of Midwestern Energy Solutions between Jack Achs and John Steil. Currently, as modeled, the home to perform near, Net-Zero and have both the LEED Platinum and Energy Star Version 3 with Indoor Air Package certifications. A Net Zero home is a low energy use home which uses as much energy as it produces.

Midwestern Energy Solutions has been involved in the Building Modeling and Energy Performance Industry for approximately five years. We work with multiple Builders, Developers, Home Manufacturers and SIP (Structurally Insulated Panel) wall manufacturers throughout Iowa, Minnesota, Illinois and South Dakota. The above mentioned home has achieved, in modeling, the lowest HERS Index we have seen to date. A HERS Index of 14 (which is what the Achs home models at) indicates the home should perform 86% more efficient than a code built home (code referenced is 2006 IECC).

As the attached reports indicate, the proposed new home is a low energy use, low emissions home, which is environmentally friendly, within the built environment. This home should be a model for others to strive for in the construction industry. Midwestern Energy Solutions is proud to work with Jack and Molly in the development of their new home.

Regards,

*Midwestern Energy Solutions, LLC*

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A Service Disabled Veteran Owned Small Business, Energy Star Partner, RESNET (HERS) Quality Assurance Designee/Rater, PHIUS + Rater (Passive House Institute US), Level II Thermographer (in accordance with ASNT Standards), Electrical Contractor, Solar PV Installer.

Energy Star Partners  
Electrical Contractor

RESNET (HERS) Rater/QAD

Level II Thermographer  
Solar Electric (PV) Installer