



The Annex Building – *A Prentice Green Solution* *County Realizes a 65% Cost Savings*

In November of 2009, Alpena County, Michigan used a portion of a federal grant to install a new Viessmann boiler system for their Annex Building. Within a couple months, the staff noticed a significant drop in energy costs. County Commissioner Cam Habermehl said, “For the second half of November, the monthly gas bill dropped more than \$900. For December of 2009 our gas bill was \$3,004, and for the same month in 2010 it was only \$959.”

Wes Wilder - Maintenance Superintendent, Alpena County said Viessmann boilers were specified by the architect and engineer for this project. This work was completed as part of a multi-jurisdictional energy efficiency grant project. Apollo Engineering out of Traverse City, MI put this project together. Wilder added, “Cost, quality and efficiencies were all factors in determining which boiler to install. These new Viessmann boilers have been a positive experience. They are quieter and occupy approximately 1/3 of the area the old boiler occupied. Maintenance time and costs have been greatly reduced and there is a peace of mind that goes along with having these quality energy efficient boilers in place.” Asked whether the Viessmann system showed significant energy savings over the past year, Wes exclaimed, “For the period from November 3, 2009 to May 6, 2010 our natural gas cost for the building was \$13,365 and for November 2, 2010 to May 5, 2011 it was \$4,654. WOW! That is a difference of \$8,711.”

John Richards - Apollo Engineering, stated that the education that he received from Viessmann’s regional representative Charlie Dashner, Dale Prentice Company, highlighted specific advantages that the Viessmann boiler has over other condensing boilers (e.g. superior construction, controls, support, and ease of maintenance). Richards pointed out; I chose to use Viessmann boilers because:

- The nature of the building allowed us to design a system which would be able to heat with lower water temperatures
- Half of the building is conditioned with a closed loop Heat Pump system which also would not require high temperatures from the heating loop
- We had limited space to get the systems into the basement
- The rack and Low loss header pre assembled boiler system simplified the install



26511 Harding Avenue
 Oak Park, Michigan 48237

248.399.5500
 248.399.5559 fax

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 climate of innovation

sales@prenticeco.com
 www.prenticeco.com