

La Porte Retrofit

La Porte City, IA






When remodeling their old, 2-story farmhouse and adding on an addition, the homeowner thought it was the perfect time to replace the older air-source heat pump and air handler that was used for the home to a geothermal heating, cooling, and hot water system. Along with the cost-saving benefits of installing a geothermal heat pump, coupled with their rural electric cooperative's (East Central Iowa) policies that allowed for low operating costs, upgrading to a GeoComfort geothermal system was a no-brainer. Now the homeowner has low utility bills, year-round comfort, and lower heating and cooling energy usage.

La Porte Retrofit

PROJECT DETAILS

Building Size:	2,330 sq. ft.
Loop Type:	Horizontal Loop
Geothermal Equipment:	Navigator YT
Installation Features:	Additional ductwork was required throughout the remodel and addition to ensure proper distribution of heating and cooling. A 7-ton, horizontally bored loop field and an electric water-heater and desuperheater (hot water assist) tank was installed, allowing up to 40% savings on hot water and up to 70% reduction on monthly heating and cooling bills.
Contractor / Installer:	Rabe Hardware Website Facebook
Savings:	Estimated annual costs: heating: \$343, cooling: \$100, hot water: \$119 Total/year: \$562

-  CONSTRUCTION TYPE
Existing Home
-  APPLICATION TYPE
Forced Air System
-  LOOP TYPE
Horizontal Loop

