

November 2021

**“To Reduce
the World’s
Carbon
Footprint
One Home
at a Time.”**



WHERE IT ALL BEGAN

On March 7, 2010, we experienced a house fire that consumed everything we owned including our beloved black lab, Jersey. But like many tragedies it opened doors we never thought of.

In 2011 as we were making plans to rebuild our home, Jerry was intrigued by geothermal and sought out Innovative Energy to install a Geothermal heating and cooling system. We were the third installation for Innovative Energy. We were impressed with owner, Jerry Sand’s knowledge, detail and customer service but even more impressed with the cost savings in our heating and cooling bill, the tax credits and the consistent heat.

Who would have thought that would be the start of Jerry’s career and fulfill his lifelong dream of starting a family business. In 2015, Jerry W. started working with Jerry Sand at Innovative Energy learning everything he could about Geothermal and the business.

On September 24, 2021, that dream came true when Jerry and Jacki Waltman purchased the business and started Innovative Energy Systems LLC. But the dream doesn’t end there, we are excited to have our son, Jackson, after graduation from UW-Madison in Renewable Energy to join our team. And proud to have two daughters, Jillian and Josie, currently in college that will be a part of the business as well. We have visions of expanding the business to include other renewable options, such as solar power, and potentially develop net-zero energy developments. Whatever we pursue we will always strive to provide excellent customer service.



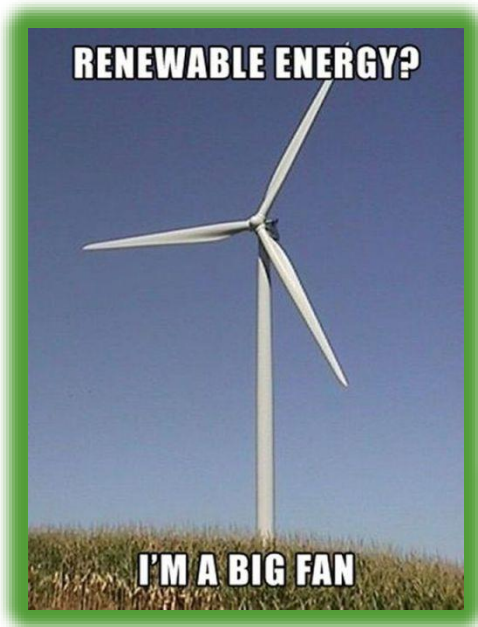
Grand Reopening

Friday, November 26th 5:30 – 8:30

Snacks & Beverages provided

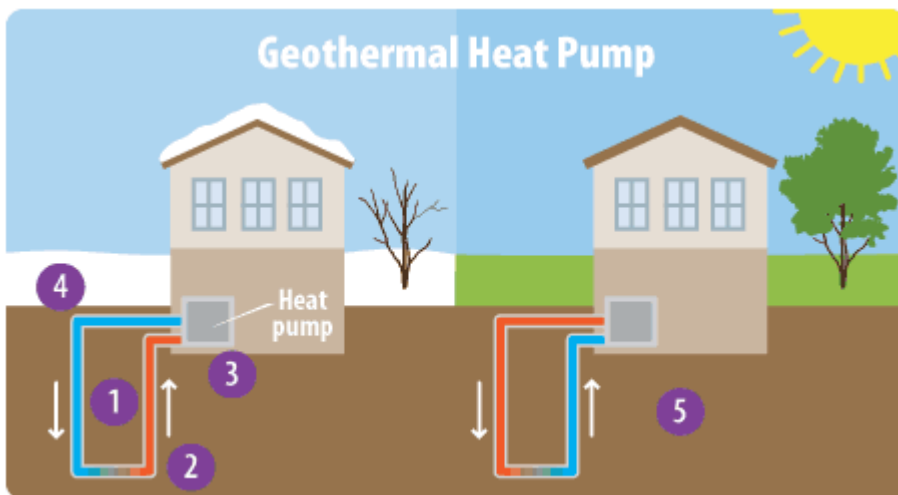
221 State Highway 35 Centuria

Customer Testimonial



"I was one of Innovative Energy's early install - approximately 10 years ago. Mine was a retro-fit of an existing 25- year- old wood/fuel oil combination furnace. No more cutting - hauling - splitting wood! ... Innovative Energy also connected my water heater to the Geo system. The system installed in my house has the ability to pre-heat the water entering my electric water heater. This happens in the summertime when the Geo System is in air conditioning mode. This adds to the efficiency of the system. A nice thing about Geo Thermal heat is that there is no combustion - so no carbon monoxide is produced- one less worry! I received a statement from Xcel (my electric provider) comparing my electric usage to their customers for the month of August. It said my electric usage was 46 % lower than houses within a 6-mile radius from my home. This convinced me that having a Geothermal heating and cooling system was a good investment!"

- Alan R., Taylors Falls Mn.



How does Geothermal work?

Geothermal heat pumps can do all sorts of things; heating and cooling homes as well as dehumidifying to warming swimming pools. Geo systems transfer heat by pumping water through pipes below the Earth's surface at a depth of about 20', where the temperature is a constant 50 to 55°F. That water is then warmed from the constant thermal energy of the Earth and then pumped back into the geothermal heat exchange which takes the water's thermal energy

to heat the rest of the house. During the winter, the water absorbs heat from the Earth, and the pump brings this heat into the house. In the summer, heat pumps run in reverse and takes the heat from your home and places into earth.

Geothermal systems are not only cost effective, environmentally friendly, but also the systems are quieter and more efficient in distributing heat throughout the whole house.



Did you know?

- It is estimated that 70% of the energy produced by the planet is lost as waste heat.
 - If the average American reduced their carbon footprint to match an average European, the U.S. carbon emissions would fall by more than half.
 - Over 70% of the total energy used in a typical home is for heating, cooling and water heating. With a geothermal heat pump system, up to 80% of this energy comes free directly from the earth.
 - One Geothermal Systems equals planting one acre of trees or taking two cars off the road.
 - By using geothermal energy you are using the most cost effective heating and cooling system available and the system emits little or no greenhouse gasses according to the Department of Energy.
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We are currently in a critical stage of human history where we have the opportunity to change the fate of our planet and secure a better world for future generations to come. One of the most immediate actions you can take to limit climate change is to reduce your own greenhouse gas emissions by lowering your carbon footprint.

Ten simple things we can do to reduce our carbon footprint:

1. **Stop buying your water in plastic.** Purchase a reusable water bottle.
2. **Drive Less, Choose to walk or bike.** Biking and walking are also super healthy for you and release no emissions.
3. **Turn off lights and unplug devices when you are not using them.** Every little action adds up!
4. **Keep the tires on your car properly inflated and regular tune-ups.** When your car's tires are low on pressure, it has to work harder to move from point A to point B, wasting gas and increasing emissions in the process.
5. **Eat more food that is grown or made locally and less red meat.** The meat and dairy industries are some of the top contributors to global greenhouse gas emissions. In fact, some researchers have even suggested that these industries may be the leading cause of climate change.
6. **Use the cold-water cycle for washing your clothes.** And do your laundry in FULL loads. This will decrease the amount of water and energy used, helping you save time and money.
7. **Set your thermostat to 78 in summer and 68 in winter.** And turn-off the heat and AC when you're not home. You'll be surprised at the difference it makes in your energy bill.
8. **Drive efficiently.** Use the accelerator lightly, coast to red lights, stay near the speed limit, and park and go inside instead of idling your engine in a drive-thru.
9. **Keep stuff out of the landfill.** Did you know that the average American produces more than four pounds of waste each day? Over time, this adds up in the landfill – especially if the trash isn't biodegradable.
10. **Remember the 3 R's: Reduce, Reuse, and Recycle.**