

It's Almost Time to Start Heating Again!

As the temperatures begin to drop and heating season approaches, it's essential to ensure that your geothermal heat pump system is in optimal condition to keep your home warm and cozy efficiently. Here are some proactive steps you can take:

1. **Check and Replace Air Filters:** Regularly inspect and replace air filters every 3-6 months. Clean filters help maintain proper airflow, improve indoor air quality, and ensure your system operates efficiently.
2. **Ground Loop Pressure:** Verify that the ground loop pressure is within recommended range of 10-30 psi. As temperatures decrease pressure will also decrease and maintain a proper loop pressure will ensure good heat transfer for your geothermal system. To do this use a simple pressure gauge with a needle and insert it into the pressure/temperature ports located on your ground loop connection.



P/T Port



- 3. Clean Duct Vents and Supply Registers:** Over time, dust and debris can accumulate in ductwork and supply registers. Clean these components to enhance airflow and heating efficiency throughout your home.
- 4. Schedule Professional Performance and Inspection Test:** Consider contacting Innovative Energy Systems for an inspection and performance test. We will come check filters, loop pressure, temperatures, voltage, and more to make sure your geothermal system is working at peak performance.

By following these simple steps, you can enjoy a comfortable and energy-efficient home throughout the heating season. Don't hesitate to reach out to our team for any assistance or questions about your geothermal system.

Beautiful Fall Leaves

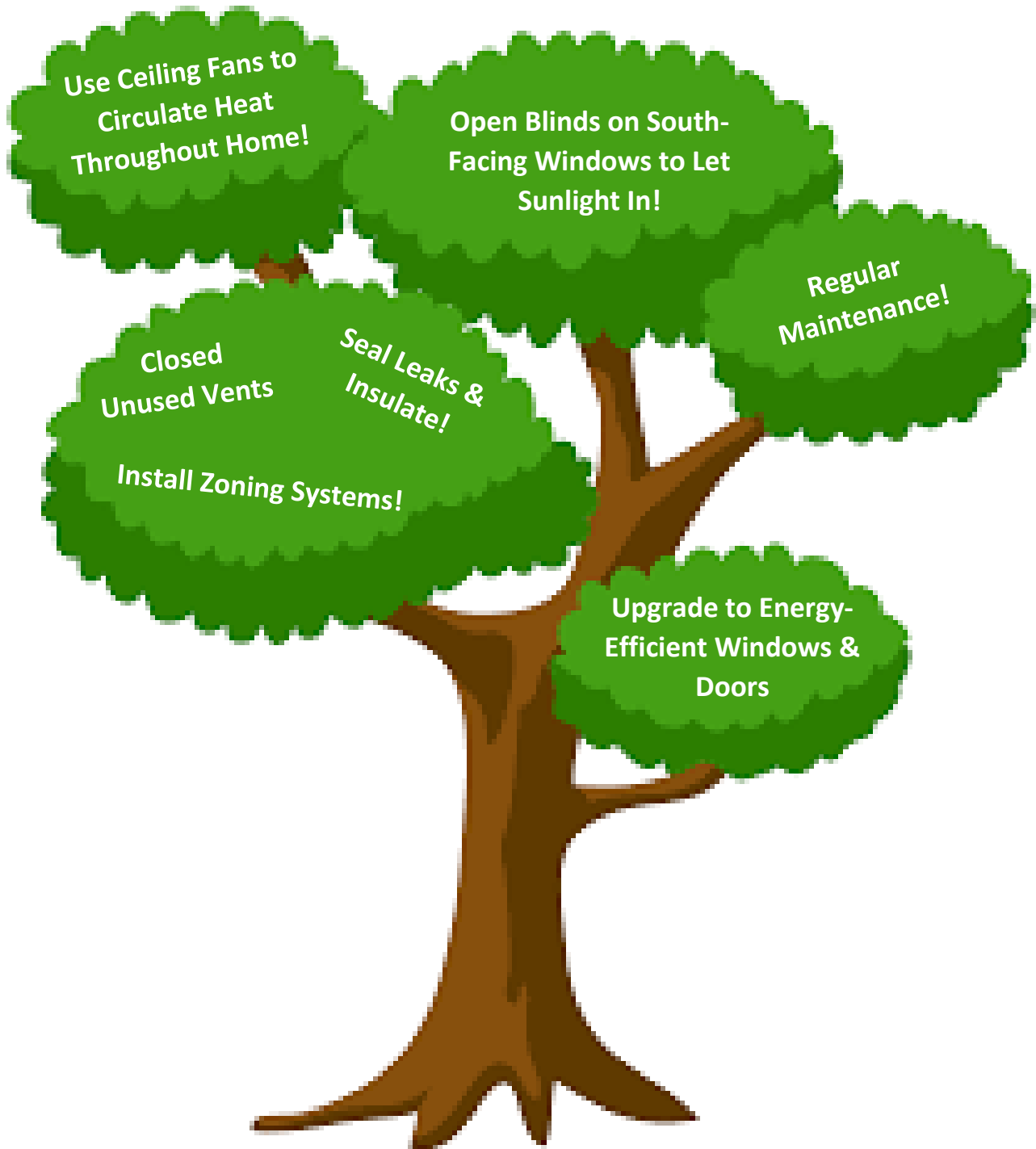
Interstate Park, located on the border of Wisconsin and Minnesota along the St. Croix River, offers beautiful fall foliage during the autumn season. The timing of peak fall foliage in Interstate park, like in many locations, can vary from year to year and is influenced by several factors, including weather conditions and the specific types of trees in the area.

Generally, the peak fall foliage season in Interstate Park typically occurs from late September through early to mid-October. However, it's important to note that the exact timing can change from year to year, so it's a good idea to monitor local foliage reports or check with the park's visitor center for the most up-to-date information when the colors are at their brightest.

Keep in mind that the fall foliage season is a popular time for visitors, so if you plan to visit Interstate Park during this time, it's a good idea to make any necessary reservations for accommodations or camping sites well in advance to ensure availability. Additionally, be prepared for varying weather conditions, as autumn weather can be unpredictable, and dressing in layers is advisable for your comfort while exploring the park.



Energy-Saving Tips for Homeowners



Troubleshooting Geothermal System Lockouts and Faults

A geothermal heat pump system is known for its reliability and efficiency, but like any mechanical system, it can encounter occasional issues. If you find that your geothermal unit has locked or experienced a fault, here are some steps you can take before reaching out to a professional technician:

1. **Check the Thermostat:** Ensure that the thermostat is set to the desired temperature and mode (heating or cooling). Sometimes, incorrect thermostat settings can lead to system issues.
2. **Reset/Cycle Power:** Most of our geothermal systems are installed with their own circuit breaker box. Here you can flip the breakers, wait 15 seconds, and turn the breakers back on resetting the power to the geothermal unit. If your geothermal unit was locked out, it will erase the faults and will start running again.
3. **Inspect Air Filter:** One of the most common faults that Innovative Energy sees is a high-pressure fault due to a dirty air filter. A clogged or dirty filter will restrict the necessary airflow for the system. Clean or replace filter if it appears to be dirty or clogged. Contact Innovative Energy to buy more filters.
4. **Error Fault Codes:** If your geothermal unit is locked out, it will likely display an error code on the control panel inside the unit. You can refer to the owner's manual for guidance interpreting the error code. This information can provide insights into the nature of the fault.
5. **Contact Innovative Energy:** If you have tried the steps above and the issue persists, it's time to contact Innovative Energy or other professional help for your geothermal system.

Remember that safety should always come first. If you are unsure about any troubleshooting steps or encounter a situation that you that you cannot safely handle, do not hesitate to seek out professional assistance. Our team at Innovative Energy is here to support you staying safe and your geothermal system running smoothly and efficiently.

