Energy Usage with Infrared Heating

Radiant systems cycle on and off 30-50% less often than other types of heating systems, but the personal usage, insulation, heat envelope, and climate of your geographical location will all be a factor in the energy consumption that is seen on your power bill. We are not able to predict or give an estimate of the impact using electric heaters will have on a power bill.

The heaters are on or off and when they are operating, if the thermostat is calling for heat the heaters will turn on and stay on until the desired temperature is reached then cycle on and off to maintain the desired temperature. It is normal for the heaters to take longer to warm up in the winter and you will see this go down in the spring and summer.

To estimate how much it might cost on your power bill, take the total kilowatt output from the heaters and multiply it by your area's hourly kilowatt cost, this will give you the hourly cost to run the heaters per hour at 100% output. As a material supplier of equipment we unfortunately don't opine or help calculate projected energy cost usage but there are firms you can hire to do this.

The benefits of a zone controlled system is to turn on the heaters in the zones that are currently in use, or turn off the heat in zones that are not in use. Thermostats can also be programmed to help energy efficiency by turning the heat off or down at night. Keep in mind that cold weather spells (increased use) and surge pricing from power companies can also be affecting your bill.

Sometimes there may be surge pricing from power companies depending on demand in the area. Use information directly from your power company or use Electricity Local to estimate.

Smart thermostats like the Mysa or Ecobee have energy reporting built into their software which can also help plan and analyze energy usage.

heating green