

Norton Commons Residential Community Geothermal Project Prospect, Kentucky 2015-Ongoing



Norton Commons is a massive community development project consisting of single and multi-family home units as well as local business town centers. Units are individually designed and built with renewable geothermal heating and cooling systems. Solutions begin with load calculations, ground source heat pump specifications, drilling requirements and innovative loop design to accommodate challenges of building and lot restrictions.

Challenges Requiring Creative Solutions



Live drilling project onsite April 2023

The scope includes as many as thirty buildings in constant process of construction and development. To date there are more than five-hundred single family and multi-family homes and businesses now complete with geothermal heating and cooling systems.



Loop installation prior to construction April 2023

Every home and business are custom designed, requiring individual assessment for load calculation and loop configuration. At Norton Commons, these custom buildings maximize plot size, leaving as little as a few feet of space from property lines. To accommodate, engineering teams work directly with the individual builders of each property to design creative loop solutions, predrilled with precision to integrate with slab construction for foundations, patios, garages, and driveways. Teams coordinate and maintain a demanding schedule for drilling and heat pump installation for buildings in constant varied phases of completion.



ClimateMaster Tranquility Heat Pump System Installed April 2023

Norton Commons Project Accolades



Norton Commons has received multiple honors and accolades as a finalist and winner of Best Community Awards recognized by the National Association of Homebuilders. It has been recognized for its renewable initiatives and served as a model for new developments across the country.