

Benefits of Thermal Energy Networks

Thermal Energy Networks are:



SAFE & CLEAN

With no oil or gas in the pipes, there's no risk of explosions or hazardous leaks. While emissions reductions vary from one project to another, many existing installations have been shown to reduce emissions by up to 90%.



AFFORDABLE & RELIABLE

Customer bills can be low and predictable year-round. Geothermal and other kinds of thermal energy are readily available locally and aren't subject to market changes, so rates for consumers on a network can be stable.



HEALTHY

Burning fuels—whether gas, oil, coal, or wood—creates air pollution that can cause and worsen respiratory and other health conditions. Thermal Energy Networks don't involve any combustion, so indoor and outdoor air is safer to breathe.



FLEXIBLE

Once installed, most of the infrastructure for a Thermal Energy Network is underground, so streets, parks, and natural areas remain unobstructed. As each network is designed for a unique location, systems can fit into Vermont's landscape, protecting sensitive ecosystems.



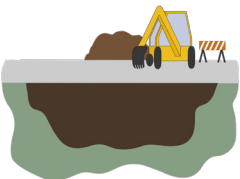
RESILIENT & SECURE

Durable plastic pipes underground are protected from disruption. Unlike above-ground fuel storage and outside compressors, Thermal Energy Networks are able to withstand extreme weather like storms and flooding.



EQUITABLE

Most people know geothermal energy as a single-home solution available to those who can afford the upfront cost. A Thermal Energy Network can be available to everyone in a neighborhood. Low and moderate income communities can be prioritized, and all can benefit from lower energy bills.



JUST

Side-by-side comparisons of job descriptions for fossil fuel and Thermal Energy Network installations show almost identical skills, so minimal retraining is required and jobs for this skilled labor are maintained. Pipefitters and gas workers are already constructing Thermal Energy Networks in other states.



LOCAL

We can build our own energy systems in our communities. Local businesses, residents, and municipalities can come together to plan and implement Thermal Energy Networks, growing local wealth by harnessing local resources.

Thermal Energy Networks provide an opportunity for us to build, own, and operate community-scale energy projects in Vermont.



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