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Eversource is building a geothermal neighborhood in Framingham, MA.



EVERSOURCE

Dear Friends and Neighbors,

We are thrilled to share that our Networked Geothermal Pilot Project has reached some notable construction milestones over the last few weeks, bringing us closer to providing our pilot neighborhood with clean energy.

Last week, the drilling team completed the final borehole of the project at the Farley Lot. Over the last six months, the drill team completed 88 boreholes (averaging 600-700 feet deep) divided between three locations within our pilot route: the Farley Lot on Normandy Rd., the fire station on Concord St., and Rose Kennedy Lane. These borefields contain the piping that will exchange thermal energy with the earth by circulating heat-carrying fluid for distribution to the rest of the system.



Eversource Construction Manager Matthew Knowles (L) celebrates the drilling of the final borehole with Berkel drill team at Farley Lot – Feb. 2024

“A special thanks to Celsius Energy, Northwest Geothermal, and Berkel drilling crews who traveled from different parts of the U.S. and Europe to work with us – in all weather conditions – on this innovative clean energy project,” said Eversource’s Clare Kirk, project manager on the pilot. “Their use of state-of-the-art directional drilling methods will help us collect data on the earth’s geology in the area to achieve the best results for the project.”

The drill crews have begun breaking down their equipment to prepare for departure. Over the next few weeks, they will complete installation of the loop piping within each hole.

Also in the Farley Lot, our team has begun construction on the pump house, which will house the mechanical equipment needed to properly run the Farley Building and the main borefield beneath the parking lot, including piping, pumps, plumbing, electrical, glycol feeder, backup boiler, and loop controls. The structure is located at the back of the parking lot and will have a footprint of 62'L x 12'W x 11'H.



RH White continues with piping at the pump house in the Farley Lot – Feb. 20, 2024

At the fire station, the construction crews have installed headers, vaults, and all lateral piping that will connect to the borefield piping under that parking lot. Work is underway to backfill the parking lot to return it to the fire department for parking availability. The crew will return to do final paving and restoration of the exterior in the spring.



Framingham Fire Station - RH White crews continue to run and test the piping of the loops and main runs – February 20, 2024

The Framingham Housing Authority property has remained a busy construction zone. The crew drilling at the top of Rose Kennedy Ln. completed drilling work in mid-February and is now tying in the loops, header, and pumps. Additionally, they are connecting the borefield piping to electrical power, and starting the equipment conversion work inside FHA residential apartments. Our customer team is partnering with the RH White crew completing this work

to ensure each customer's needs are met during this conversion phase of the project. On John J. Brady Ln., a second RH White crew continues work running underground service lines to the FHA buildings.



Crew on John J. Brady Ln. installs service piping in between FHA buildings – Feb. 16, 2024

Upcoming construction milestones ahead of system connection:

- Complete pump house at the Farley Lot,
- Complete service pipe installations at all pilot customer buildings,
- HVAC system conversions inside all participating buildings (including residential homes, commercial buildings, and the fire station),
- Pressure test the full system with a glycol solution,
- Execute Damage Prevention buried utility line mark outs.

We want to thank the Framingham community for their continued patience and understanding through the construction phase of this project. They share our excitement of being the first-in-the-nation community to have this innovative, clean energy solution in their city. We can't wait to share updates soon as we get closer to bringing the system into service.

For the latest Geothermal Pilot updates, including on-site pictures, a timeline of upcoming project milestones, and answers to important questions for customers, visit our [Geothermal Pilot Project page](#).

Have more questions? Email us at geothermal@eversource.com.

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For questions about the pilot or to opt-out of our periodic pilot updates, please email geothermal@eversource.com.

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