

W.H.A. Wins Federal Funds to Consider Geothermal Heating and Cooling for Ulbrich Heights

The Wallingford Housing Authority won federal funding from the Department of Energy to evaluate the possibility of geothermal heating and cooling for residents at the Ulbrich Heights Apartment Community.

Did you know...



About 10 ft under the surface, the ground temperature remains around 55°F all year, and this stable temperature can be used to heat and cool buildings?

What is geothermal heating and cooling?

Geothermal heating and cooling systems utilize the constant temperature beneath the earth's surface to provide comfortable and efficient heat in the winter and cooling in the summer. The first step is a test hole being made with a drilling rig.

How can geothermal benefit a community?

- Reduced energy bills
- Safe and reliable energy source
- Improved indoor air quality through reduced on-site combustion
- Reduced emissions

What residents need to know:

- The funding secured is for a planning phase with limited impact to residents, and the project team will be informing and engaging residents throughout
- Home energy audits may occur in some units
- **Geothermal professionals will drill a test borehole on site this fall**
- If funded, Phase Two would include the installation of the system

Phase 1

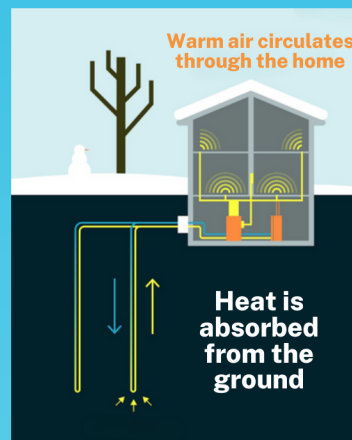
- Resident engagement sessions
- Test bore drilling
- System design and planning
- Minimal impact to residents

Phase 2

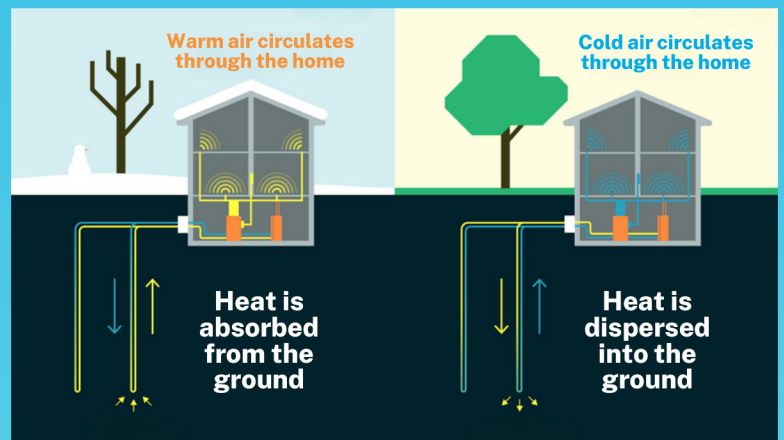
(pending funds)

- System installation
- New heating and cooling systems for residents

Geothermal heating



Geothermal cooling



Questions?

Contact us at ulbrichgeothermal@neep.org



UConn

