

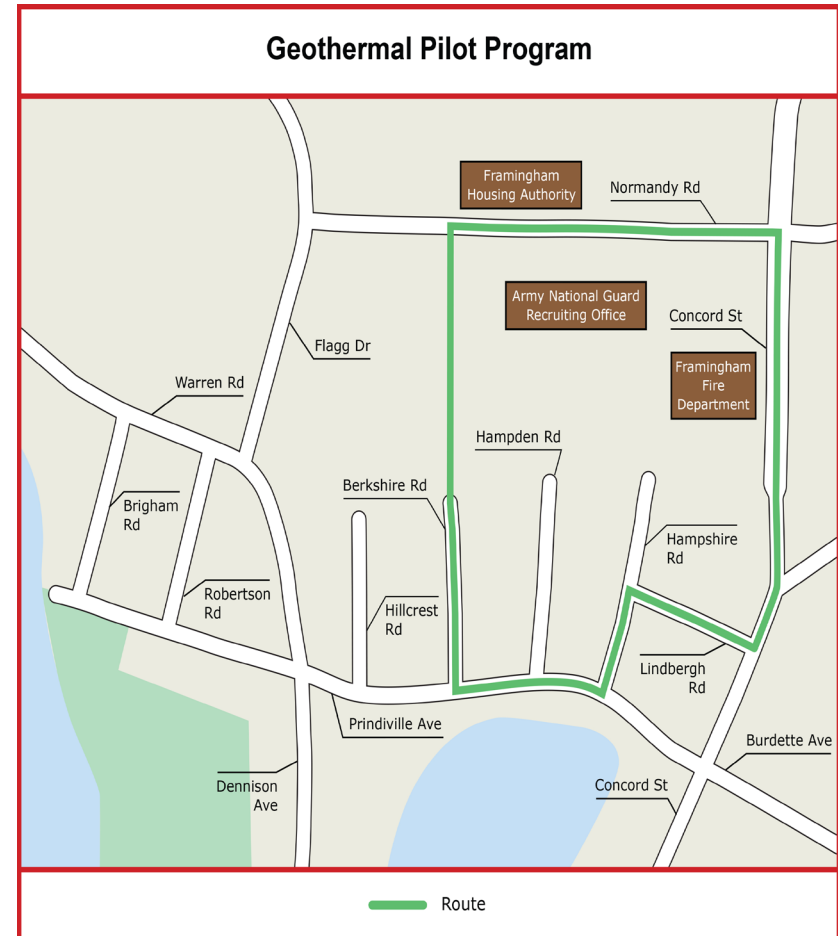
**EVERSOURCE**

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November 29, 2023

# IL Commerce Commission – Thermal Energy Network Workshop #2

- Project approval as part of NSTAR Gas rate case in 2020
- Project began in 2021 with site selection with commissioning and operation targeted for later this year
- Single pipe system of approximately 1 mile of main throughout a neighborhood in Framingham, MA
- 37 buildings with 140 individual customers throughout
- 90 boreholes to provide capacity of approximately 375 tons of load



# Projected Customer Energy Savings

Current System Type	GSHP Projected Savings*	ASHP Projected Savings*
Natural Gas	~17%	~12% increase
Delivered Fuel	~47%	~12%
Electric Resistance	~70%	~58%

**\*NOTE: Savings are estimated**

- Customer energy usage was estimated for each building during the design process using manual and software-based projections
- Historical usage base lined the current costs to heat and cool
- Savings projected for all customers aside from those that were adding load to their homes
- Customers will receive most efficient cooling via same unit used for heating (57% reduction in cooling energy vs standard units)

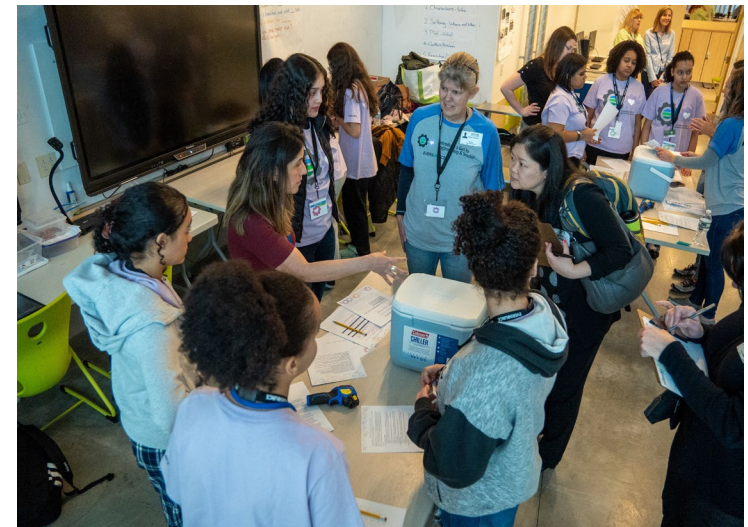
# Continued Strong Customer Engagement

- Dedicated customer meetings held in advance of critical pilot milestones plus weekly “drop in” sessions for customers
- Public webinars held in April and October
- Numerous tours have built trust and educated groups locally and nationally
- Direct mail and email sent translated in three languages
- Translators for two languages in attendance for all community meetings





- Strengthened environmental and climate advocate relationships through pilot leadership
- Facilitated new relationships with other utilities, agencies and companies across the nation as thought leaders in the geothermal space
- Mandated equity and environmental justice considerations as a central component of communications strategy
- Created a successful, repeatable template for future decarbonization projects



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