

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/14/2025

Site Conditions: **Low 80s - Humid**

Onsite Personnel	
Honeywell	Mark Rahall – PM Alix Orton – Program Manager
Geosource	Nigel Blakey – Site Supervisor Jarren Ball – Drilling Technician Darren Zimmerman – Site Hand Shannan Wheatcroft – Site Hand
Salas O'Brien	Tia Wheatcroft - CM
Others	PJ Lynch – City Clerk Chris Kramer – Director, Municipal Energy Unit Kwanna Wise – Director of Community Engagement Simenesh Semine – Community Engagement Manager Kelsey Colpitts – Community Engagement Benjamin Webber – District 6 City Councilman

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
73	62	0

Lmax-slow: Maximum sound level measured using the slow time averaging window. Window is one second and is responsive to intermittent or impulsive events while still acknowledging the full ambient noise picture.

Leq: Average sound pressure level over the time window. It represents the same total sound energy as the fluctuating level that was measured.

Events: Count of how many seconds had an average sound level that exceeded 86 dBA* over the measured time window.

Air Drill Testing 9:35am – 10:50am

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
67	63	0

Air Quality Measurements

	Min	Max	Avg
PM10 (15 min) µg/m3			
VOC (15 min) ppm			

PM10: 10-micron diameter particle, measured in µg/m3.

PM10 Action Level = 150 µg/m3.

VOC: Volatile Organic Compound, measured in parts per million (ppm).

VOC Action Level = 5 ppm

- Dust and VOC data is not available for July 14, 2025 from the ground, lower roof, and upper roof units due to cellular connection issues. These issues have been corrected, and data will be available moving forward.

Vibration Measurements

PPV	Min	Max	Avg
Longitudinal in/sec	0.0019	0.0276	0.0067
Transverse in/sec	0.0025	0.0285	0.0062
Vertical in/sec	0.0022	0.0208	0.0061

Threshold Level = 0.50 inches per second

Limit Level = 1.00 inches per second

Time Weighted Average (TWA) = Average vibration over a 15-minute interval.

PPV = Peak Particle Velocity

DELIVERY – Borehole Completion Status

Installation Notes: Geosource was able to complete another 340ft on hole 8 today. We also had a test run on the air drilling and were able collect sound data during that time and is listed above for reference.

Drilling Progress (Green = Complete, Yellow = Drilling, Grouting = Orange)

Bore Number																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Productivity: 13,940 Total feet remaining 200 Average feet per day 27 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

07/15/2025	Drilling/Looping/Grout Installation
07/16/2025	Drilling/Looping/Grout Installation
07/17/2025	Drilling/Looping/Grout Installation
07/18/2025	Drilling/Looping/Grout Installation
07/21/2025	Drilling/Looping/Grout Installation