

Underground Energy, LLC

Pursuing Geothermal Excellence Formatted: Font: 4 pt

Via Email to: thomas.ferguson@mass.gov

31 January 2024

Thomas Ferguson
Energy Storage Programs Manager
Massachusetts Department of Energy Resources (DOER)

**Re: Comment on thermal storage technologies in DOER's report
*Charging Forward: Energy Storage in a Net Zero Commonwealth***

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Dear Mr. Ferguson:

Underground Energy, LLC has prepared this correspondence to comment on DOER's report dated 31 December 2023 entitled *Charging Forward: Energy Storage in a Net Zero Commonwealth*.

Founded in the Commonwealth of Massachusetts in 2009, Underground Energy's stated goal has been to commercialize Underground Thermal Energy Storage (UTES) in North America using Aquifer Thermal Energy Storage (ATES) and Borehole Thermal Energy Storage (BTES). UTES enables energy storage on a seasonal timeframe, and thus is a proven and readily available Long-Duration Energy Storage (LDES) technology, whose commercialization in Europe is, in Underground Energy's opinion, at least 20 years ahead of the United States.

Our comment is that thermal storage technologies should be allowed, if not specified, in all three of the proposed funding programs cited on page 21 of the report.

Thank you.

Sincerely,

Mark A. Worthington
Chief Technology Officer