

**Town of Underhill
ARPA Funds Application: Phase 1**

Committee/Group/Individual Requesting Funding: Underhill Energy Committee

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Date: January 25, 2023

Proposal Name/Brief Description:

Ground-Source Heat Pump Feasibility Study

The Underhill Energy Committee is requesting funds to coordinate a feasibility study on the installation of a ground-source heat pump at Town Hall.

A GSHP system will help reduce the Town's reliance on fossil fuels, while providing a more efficient system to heat Town Hall. In order to better understand the associated installation costs and potential value in GSHP, UEC looks to conduct a feasibility study to include the lifecycle cost analysis of a GSHP system.

UEC will hire a consultant/engineer to conduct the study.

Estimated Cost/Description of Estimate Process (use the space here and attach additional pages and any supporting documents):

Efficiency Vermont has offered to provide technical support, which will come at no cost. However, additional support may be needed from a third party/technical expert.

Costs TBD. Rough estimate of \$2500.

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Please Answer the following questions by marking the answer in the space provided.

Benefit to Town of Underhill

Does this proposal Yes No ?

Invest in the town without creating a need for additional revenue?		x	
Benefit a population that was disproportionately impacted by the pandemic?		x	
Benefit a population underserved prior to the pandemic?		x	
Mitigate the effects of climate change?	x		
Improve or create infrastructure for water, sewer, or broadband?		x	
Align with the broad goals and priorities of the Town Plan?	x		

Feasibility of Project

Can this proposal Yes No ?

Be fully planned, estimated, and obligated to the town budget by March 2024?	x		
Be fully completed and paid for by the end of 2026?	x		
Be completed within the constraints of local staffing shortages?	x		
Gain the support and approval of a majority of Underhill residents?	x		