

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

**Committee/Group/Individual Requesting Funding:** Underhill Energy Committee

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**Date:** January 20, 2023

**Proposal Name/Brief Description:** Install ground mounted solar PV net-metered system at Town Hall.

- Underhill is committed to reducing the carbon footprint of the Town and its residents.
- Solar PV is the single most accessible option for harnessing zero carbon energy, especially locally.
- Although public transportation (e.g., GMT) is an effective way to reduce local carbon footprint, it has been historically difficult to implement in rural areas such as Underhill.
- In addition to the energy/carbon benefits of this installation, Sun Common estimates that it will save the town approximately \$138,000 over the projected 25-year life of the project.
- High profile, visible PV installation(s) such as at Town Hall will only further the adoption of non-fossil fuel options by townspeople.

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

Both Sun Common and Green Mountain Solar (GMS) have submitted estimates for this project. Although the GMS estimate is a little lower gross, the unit price per kW installed is a little higher (Sun Common: \$2603/kW v GMS: \$2743/kW). This proposal has therefore been based on the lower unit cost Sun Common estimate.

Per Sun Common PV estimate:

Turnkey Installation	\$70,651 (not including service upgrade)
(less) Federal Tax Rebate	(\$21,196)
Net after Rebate	\$49,456

## Town of Underhill

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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		