

NEWBURY TOWN & SCHOOL

CASE STUDY

NEWBURY ELEMENTARY SCHOOL



Town of Newbury, Vermont



PROJECT SUMMARY

Funded by a local couple driven by the desire to do good locally with their investment dollars, this project is one of several that Norwich Solar Technologies has spearheaded through its **Community Impact Investor Group**. These mission-driven investors help fund renewable energy projects for underserved organizations, giving them easy access to Clean Energy and monetary savings.

The Newbury Scotch Hollow project is sited on a former Town sand pit behind the Town Garage, a prime example of “preferred siting” on town land. It benefits the Town of Newbury and Newbury Elementary School as well as the Upper Valley Haven—in a unique blending of private funding of multiple nonprofits for sustainable energy savings.

NEWBURY TOWN & ELEMENTARY SCHOOL

Newbury Elementary School and the Town of Newbury entered into a 25-year agreement to purchase the Net Metering Credits that the Newbury Scotch Hollow solar photovoltaic (PV) project produces at a discounted rate.

The Net Metering Credits are applied to the Town's various Green Mountain Power accounts, and the discounted price of the credits saves the Town and School approximately **\$100,000** over the term of the agreement.

BENEFITS TO THE TOWN & SCHOOL

As with the other nonprofit off-taker on the project, the Upper Valley Haven, municipalities and schools cannot take advantage of federal tax incentives. The Net Metering (or Power Purchase) Agreement allows them to lock in long-term savings and predictable electricity costs for 25 years, all with no upfront capital cost.

Newbury Elementary School is taking approximately half of the Net Metering Credits, saving them over **\$3,000** per year in electric costs. The Town is taking approximately 15% of the Net Metering Credits produced to offset their electric costs. The project also produces **\$1,300** in yearly tax and lease payments to the town.

SYSTEM CAPACITY

- 223.56 kW-DC/150 kW-AC

TYPE OF SYSTEM

- Ground Mounted

KILOWATT HOURS PRODUCED

- 270,000 annually

TECH DATA

- 648 REC 345-watt solar panels
- 3 CPS 50-kW AC 3-Phase Inverters
- RBI Ground Mount Driven Post
- AlsoEnergy Monitoring

COMMISSIONING DATE

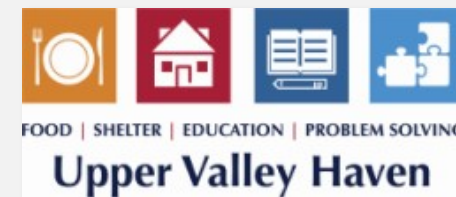
- July 2019





UPPER VALLEY HAVEN

CASE STUDY

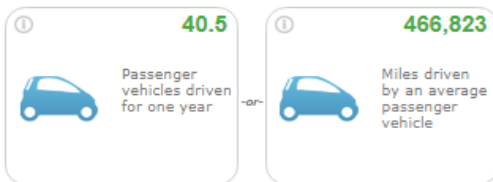


THE UPPER VALLEY HAVEN

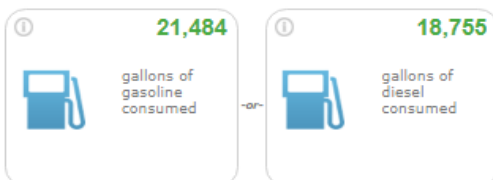
Since 1980 the Upper Valley Haven has provided temporary shelter and educational programming for homeless families and adults as well as food to anyone in need. The Haven offers support and fosters independence through four domains of service: Food, Shelter, Education, and Problem Solving. The Haven is open 365 days per year and never charges for any of its services. They serve over 14,500 people per year. <https://uppervalleyhaven.org/>

GREENHOUSE GAS OFFSETS AT-A-GLANCE

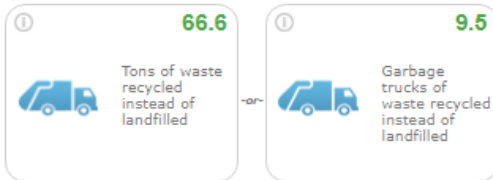
Greenhouse gas emissions from



CO₂ emissions from



Greenhouse gas emissions avoided by



Carbon sequestered by



BENEFITS TO THE UPPER VALLEY HAVEN

As a nonprofit with a limited budget and unable to take advantage of federal tax incentives, the Upper Valley Haven saw the value of a Power Purchase Agreement, which guarantees discounted power over the long term without any upfront capital costs. This solar PV project benefiting the Haven not only promotes local energy independence and a sustainable future, it helps them save money and serve more people in its 40-year mission to alleviate poverty in the Upper Valley.

Upper Valley Haven Executive Director Michael Redmond says, “When an opportunity came up to save on our electric bill and do something good for the world and the state, it was a natural win on many levels.” Thanks to the discount the Upper Valley Haven receives from the net metering credits produced by the solar array, the nonprofit will reduce their annual electric costs and save more than \$150,000 over 25 years. “That’s a large amount of money we can put into services—as well as changing the overall structure of how power we use is generated,” said Michael Redmond.

ABOUT NORWICH SOLAR TECHNOLOGIES

We offer end-to-end solar services including Development, Design, Engineering, Procurement, and Construction, and Power Purchase Agreements. Our partners include Commercial & Industrial Clients, Schools, Towns. Farms. Health Care Facilities. and Small Businesses.



LEARN MORE AT
NORWICHSOLAR.COM



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