



Providing Energy Choices to Vermonters

Norwich Solar Technologies specializes in complete end-to-end solar electric services including: Development, Design, Engineering, Procurement, and Construction, Power Purchase Agreements, Structured Financial Solutions and Operations and Maintenance. Our clients include Educational Institutions, Utilities, Municipalities, Commercial and Industrial Enterprises, Farms, and Small Businesses in the 25kW-5MW range.

CASE STUDY: CEDAR HILL CONTINUING CARE COMMUNITY, WINDSOR



Patricia Horn & Mary Louise Sayles, Cedar Hill Co-owners

Norwich Solar Technologies is helping Cedar Hill Continuing Care Community—a family-owned senior care facility in Windsor, Vermont—achieve their sustainability goals. Their Solar PV system, which produces an annual **energy value of \$100,000**, was only possible due to the federal tax incentives, according to founder Mary Louise Sayles.

The owners financed the project themselves through VEDA and VSECU for the benefit of the Cedar Hill Community without impacting the company's capital budget.

Mother and daughter owners Mary Louise Sayles and Patricia Horn said of their motivation to install solar arrays to power their facility, "Our new solar field will produce most of Cedar Hill's electricity and help us keep costs down, benefiting the residents and the business. As a business, we know we consume fossil fuels and other items that hurt the environment. The solar investment helps us to mitigate those affects and hopefully inspires other businesses in our field to follow suit."

LOCAL ECONOMIC IMPACT OF CEDAR HILL SOLAR

System Size: 501 kW-DC

Projected Annual Output: 615,000 kWh in the first year of operation.

Offsets: Energy Costs of \$100,000 per year, saving approximately \$3 Million over the life of the project.

Tax Credit and Offset Value: \$600,000

Utility Upgrades: \$150,000 (Transformers, Reclosers, Fiber Optics, Substation Upgrades)

Environmental Equivalents: 13 million pounds of CO₂, 26 million miles not driven, or 153,000 trees planted.

Jobs Created: 7 fulltime job equivalents.



THESE SAMPLE PROJECTS REPRESENT THE TYPICAL BENEFITS DELIVERED TO VERMONT ANNUALLY BY NST:

- *\$7.07 million invested in the labor economy*– representing 114 fulltime equivalent jobs for 1 year.
- *More than \$20 million in yearly associated economic activity.*
- *\$100,000 in School and Municipal Taxes paid yearly*– totaling \$2,200,000 over 25 years.
- *\$9,717,400 in federal tax leveraged into Vermont and \$235,000 in REAP grants secured for Vermont small businesses.*
- *Employment of more than 100 local businesses and independent contractors such as Miller Construction, Brite Lite Electric, Green Mountain Power, Simple Energy, CED/Twin State Electrical Supply, Carroll Concrete, Horizons Engineering, RSD Warehouse, LaValley, Green Mountain Electric Supply, Springfield Fence Company, and LaMontagne Landscaping.*