



Efficiency Vermont

2005 RESULTS SUMMARY

Progress toward Vermont's sustainable energy future

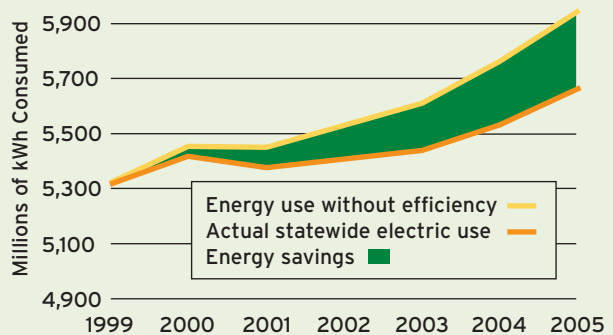
2005 Highlights:

In 2005, Efficiency Vermont helped 10% of the state's electric ratepayers – 34,909 Vermonters – save electricity. Since 2000, when Efficiency Vermont began operations, nearly 50% of the state's ratepayers have partnered with Efficiency Vermont to save electricity.



According to the savings verification process carried out by the Vermont Department of Public Service, Efficiency Vermont savings in 2005 were more than 57 million kWh.

Impact of Efficiency Vermont on growth in statewide annual electrical use



Every kWh saved by Efficiency Vermont did not have to be generated or purchased by Vermont utilities. Since 2000, approximately 260 million kWh have been saved, and Vermont's rate of load growth has been cut in half.

Helping Vermont meet its electricity needs...

Through energy efficiency investments made since 2000, Vermont is now using 5% less energy than the state would have used.

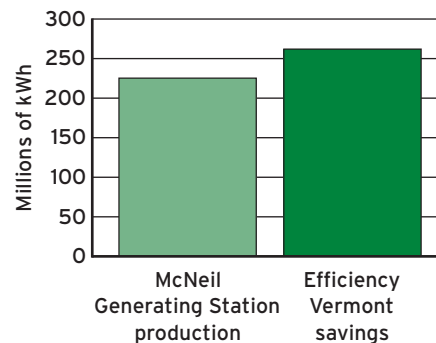
In 2005, Efficiency Vermont and its partners:

- Reduced annual statewide electrical energy needs by an additional 1%.
- Decreased both annual summer and winter peak demands by 9MW — a cumulative summer savings of 22MW and winter savings of 23MW since 2000.
- Installed efficiency measures that increased energy savings by 10% over the previous year.

Reducing our peak requirement

Power is more expensive at times of peak demand, such as during a heat wave in the middle of summer. By lowering peak demand, energy efficiency reduces the need for the state's utilities to buy electricity at some of the highest prices. It also makes Vermont's energy supply system more reliable and less subject to disruptions.

Savings in 2005 from efficiency measures installed since 2000, compared to the annual output of a 50MW Vermont power plant



...while saving money and strengthening Vermont's economy.

In 2005, the cost of saving electricity with energy efficiency was approximately 3.6¢/kWh. That's almost two-thirds less than the 9.6¢/kWh that utilities would have paid for a comparable electric supply.



Approximate cost of electric efficiency 3.6¢/kWh

Approximate cost of comparable electric supply 9.6¢/kWh

In 2005, as a whole, Vermont ratepayers saved more than \$2 for every \$1 invested in energy efficiency. Further, Vermont businesses that participated in efficiency services realized a 49% return on their efficiency investments.

In addition, when Vermont ratepayers and their utilities invest in energy efficiency, they are buying locally, rather than sending dollars out of state to purchase electricity.

Significant financial benefits

Lifetime economic value of Efficiency Vermont investments made in 2005: **\$37 million**

Combined lifetime economic value of all Efficiency Vermont investments since 2000: **\$207 million**

Over the long term, these savings will reduce the cost of living and the cost of doing business here in Vermont.

Reducing our environmental impact...

When we lower electricity use, we reduce emissions from power plants that burn fossil fuels. Lower levels of emissions means that Vermont contributes less to air pollution and global climate change.

Energy efficiency measures installed in 2005 by Efficiency Vermont and its partners will result in reductions of the following emissions:

Carbon dioxide: 466,500 tons
Nitrogen oxides: 240 tons
Sulphur dioxides: 650 tons



Efficiency measures installed in 2005 will help homes and businesses across Vermont save the following natural resources:

Water: 435 million gallons — or enough to supply all of Lamoille County for a year
Oil: 3.5 million gallons — or enough to heat approximately 5,000 typical Vermont homes for a year
Propane: 2 million gallons — or enough to heat approximately 2,000 typical Vermont homes for a year
Gas: 446 million cubic feet — or enough to heat approximately 5,300 typical Vermont homes for a year

It all adds up

Vermont's reduction of carbon dioxide in 2005, through energy efficiency in homes and businesses, provided the same emissions reductions that would have been achieved if 6,726 fewer cars had traveled on Vermont's roads in 2005.



...by working with partners throughout Vermont.

Hundreds of Efficiency Vermont partners who supply energy efficiency products and services have been critically important to achieving the economic and environmental benefits of Efficiency Vermont's savings. With the help of our partner retailers, suppliers, tradespeople, and design professionals, saving energy is something that every Vermonter can do.

In 2005:



More than 300 Vermont retailers partnered with Efficiency Vermont to sell 230,000 energy-efficient products



More than 750 energy-efficient projects designed by architects and engineers were built in Vermont



More than 20 electrical suppliers – virtually all in Vermont – sold more than 25,000 energy-efficient commercial lighting products promoted by Efficiency Vermont



Pictured on the front cover are some of the many Vermonters Efficiency Vermont has worked with since its start in 2000. From left to right are: Chris & Beverly Hamblett, owners of the Pick & Shovel in Newport; Conan Eaton of Auburn Star Farm in Lunenburg; Ruth Banghart (homeowner) & Rich Jorgensen (executive director of the Bennington Area Habitat for Humanity) in Bennington; Kendall Chamberlain of the Town of Richmond Water Pollution Control Facility; and Senada Kostic and Thanh Dang of Birnn Chocolates in South Burlington.

In partnership with Vermont's businesses and communities

Below are three of the hundreds of Efficiency Vermont partnership projects completed in 2005



Approximate annual energy savings:
567,000 kWh and \$57,000

NSA Industries – Lyndonville, VT

This metal fabricator replaced its old, inefficient lighting with 200 energy-efficient light fixtures in two of its industrial facilities. The success of this first project immediately became clear and NSA decided to keep going. Less than a month later, company leaders began working with Efficiency Vermont to replace their inefficient air compressors with energy-smart compressors.

"Becoming energy efficient not only makes good economic sense for us as a company, it also makes good sense for the whole state. We've reduced our strain on statewide energy resources, and ultimately that helps everyone."

– Emery Noyes, General Manager



Approximate annual energy savings:
101,000 kWh and \$19,000

Tuttle Block – Rutland, VT

The Tuttle Block is one of the most visibly striking and historic buildings in Rutland. Working in partnership with the Rutland County Community Land Trust, Housing Vermont, and Arnold and Scangas Architects, Efficiency Vermont helped to convert the four-story, 19,480-square-foot complex into 13 energy-efficient, affordable apartments, commercial offices for the Land Trust, and two retail spaces.

"The restoration of this historic gem has given Rutland something to talk about. The trick was to return it to its original glory, while making the building affordable to operate. Building energy efficiency into the design was the answer, and now 13 families and individuals can afford to walk out their front doors into downtown Rutland."

– Elisabeth Kulas, Rutland County Community Land Trust



Approximate energy savings for all projects completed through 2005:
8 million kWh and \$894,000

Brattleboro, VT

There is an exemplary community initiative happening in Brattleboro. Working with Efficiency Vermont, the community has committed to saving energy, stimulating job creation, and increasing economic growth. From community workshops hosted by Brattleboro Climate Protection to plenary sessions facilitated by the Windham Environmental Coalition, and from home performance financing with Brattleboro Savings & Loan to auditing assistance with Building a Better Brattleboro, this is a community focused on making positive energy changes. With help from Efficiency Vermont, many businesses have initiated energy improvements in 2005, as well. Some of these companies, which represent the broad range of businesses in this dynamic community, are Omega Optical, Cersosimo Lumber, FiberMark, Riverview Café, Brattleboro Food Co-op, Brattleboro Memorial Hospital, Leader Distribution, and Homestead Housing.

"Energy efficiency saves money for homeowners, businesses, and municipalities, while reducing global warming emissions and dependence on foreign oil. Efficiency Vermont is a valuable partner in helping our community realize these multiple benefits."

– Paul Cameron, Brattleboro Climate Protection

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