provides this return year-after-year, while the best returns from the stock market, but

weaning the customer of fossil fuels.

Program highlights are summarized in

SAVING 79% IN EXISTING HOMES Vermont's Zero Energy Now Program

tion, heat pumps and solar PV. Compared are impressive; an average savings of 79% Zero Energy Now results are remarkable. STAR program savings of about 25%, these to typical Home Performance with ENERGY savings was achieved through a compreuels in existing homes, and the results in a new program to save significant fossil unique opportunity in 2016 to participate nensive combination of home weatherizaper home! This deep level of total energy Vermont homeowners were offered a

Zero Energy Now 2016 Summary Statistics

had to be completed by December 31, 2016 was made available in February and projects energy retrofit projects in 2016. The funding munity Energy & Efficiency Development liver, track and report comprehensive deep \$700,000 in funding to design, develop, de-(BPPA). In late 2015, BPPA applied for about Performance Professionals Association home performance contractors, Building portunity to Vermont's trade association of (CEED) Program offered the funding op-Green Mountain Power's (GMP) Com-

promoted and supported Zero Energy Now **BPPA Board members and subcontractors** the program in June in Richmond, Vermont. State administrators and others kicked off conference that included U.S. Representalaunched the program in early 2016. A press program, recruited and trained contractors, signed and developed the Zero Energy Now deep energy savings projects. throughout the year and completed 22 tive Peter Welch, GMP executives, Vermont nired and worked with a marketing firm and Despite the compact timeframe, BPPA de-

energy use by at least 50%. The savings photovoltaic (PV) systems to reduce total pump water heaters, and installed solar projects included air sealing and insulation added cold-climate heat pumps and heat These comprehensive Zero Energy Now

Customer return on investment	Average annual energy savings	Median energy cost savings	Net customer project cost	Median total project cost	Customer investments	Participants
11.9%	95 MMBtu (60 MMBtu from efficiency and 31 MMBtu from solar PV) from 120 MMBtu pre- to 25 MMBtu post-improvement	\$3,692/year	\$31,090 (after incentives from Zero Energy Now, Efficiency Vermont and 30% Federal tax credit)	\$44,739 (ranging between \$22,000 and \$170,000)	\$1.2 million (split relatively evenly between efficiency and solar PV)	22 Vermont existing homeowners

so the savings projections likely are fairly show up, BPPA contractors would not only came with a guarantee that if they did not go back to fix any issues, but would also has made a claim against the guarantee, make up the cost difference. So far, no one

a median project cost of about \$45,000. ed about \$1.2 million in their projects, with pumps. After subtracting out the program projects all installing ground source heat to \$170,000, with the three most expensive the 22 homeowners, they collectively invest These project costs ranged from \$22,000 Customer economics were impressive. For

> program for 2017, so visit https://www. nately, the \$5000 incentive that drove the energy produced by renewables. Unfortuinclude at least 10% savings from weathsive approach. The Zero Energy Standards munities interested in the deep comprehenin incentives is available for the Solar Bonus not available at this time. But, up to \$3,000 erization, 50% fossil fuel savings and 50% Now certification for individuals and comefficiencyvermont.com/solarbonus for more 2016 interest in this deep level of savings is The Zero Energy Now Program demon-BPPA is still promoting the Zero Energy

efficiencyvermont.com/solarbonus. tion on the Solar Bonus, see https://www. credit for solar) for participants. For informain total incentives (plus the 30% Federal tax pumps and solar PV, and offers up to \$3000

lossil fuel savings from weatherization, heat

This scaled-down approach still targets 50%

Vermont to offer the "Solar Bonus" program.

For 2017, BPPA is working with Efficiency

strates that a comprehensive approach even greater participation and savings can consumer educating and marketing push, energy savings. With a sustained budget cost-effective approach for achieving deep and solar photovoltaics can be a viable and Richard Faesy, Energy Futures Group, rfaesy@ http://zeroenergynowvt.com/ or contact: www.efficiencyvermont.com/solarbonus incorporating energy efficiency, heat pumps For more information, see https://

energyfuturesgroup.com, 802-482-5001x2

perspective, this investment yielded an

11.9% return on investment, which rivals level of investment. From the consumer's edented in existing homes programs at this energy use dropped by 79%, a level unprecenergy cost savings of almost \$3,700! Total investments yielded an impressive annual came in at about \$31,000. However, these Federal solar tax credit, total project costs ficiency Vermont, and considering the 30% incentives from Zero Energy Now and Ef-

Vermont Farm Cuts Fossil Fuel Use

Get up to \$3,000 back. Cut fossil fuel use by 50%

promoted and supported Zero Energy Now State administrators and others kicked off launched the program in early 2016. A press deep energy savings projects. BPPA Board members and subcontractors the program in June in Richmond, Vermont. tive Peter Welch, GMP executives, Vermont conference that included U.S. Representathroughout the year and completed 22 nired and worked with a marketing firm and

pump water heaters, and installed solar added cold-climate heat pumps and heat projects included air sealing and insulation, energy use by at least 50%. The savings photovoltaic (PV) systems to reduce total These comprehensive Zero Energy Now

> so the savings projections likely are fairly go back to fix any issues, but would also has made a claim against the guarantee, make up the cost difference. So far, no one show up, BPPA contractors would not only came with a guarantee that if they did not

pumps. After subtracting out the program a median project cost of about \$45,000. projects all installing ground source heat to \$170,000, with the three most expensive These project costs ranged from \$22,000 ed about \$1.2 million in their projects, with the 22 homeowners, they collectively invest-Customer economics were impressive. For

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cost-effective approach for achieving deep and solar photovoltaics can be a viable and be achieved. even greater participation and savings can consumer educating and marketing push, energy savings. With a sustained budget,

energyfuturesgroup.com, 802-482-5001x2. Richard Faesy, Energy Futures Group, rfaesy@ http://zeroenergynowvt.com/ or contact: www.efficiencyvermont.com/solarbonus, For more information, see https://

Vermont Farm Cuts Fossil Fuel Use with Zero Energy Now



Zero Energy Now Participating Home in East Saint Johnsbury, Vermont

the work of other contractors on the project. the farm. The CEC served as a single point of contact for the owners and coordinated mate heat pump, and installing a large photovoltaic system to generate electricity on package for them that included insulating their century-old house, adding a cold cli-Zero Energy Now they found a certified energy contractor (CEC) who put together a their use of fossil fuel, they turned to the Zero Energy Now program for help. Through When the owners of a vegetable farm in East St. Johnsbury, Vt. wanted to reduce

Once they finish paying their loan, they'll have almost no monthly energy costs. diately by cutting their fossil fuel use from 1,200 gallons a year to 300 gallons annually incentives, the project cost about \$30,000. The owners will begin saving money imme-The certified energy contractor also helped arrange financing. With tax credits and

Get up to \$3,000 back Cut fossil fuel use by 5

and maximize the benefits of installing solar panels. Minimize the energy loss in your home

installation for your home improvements with a new solar offer that pairs home weatherization Take advantage of a limited time

eligibility for this limited time offer! Contact Efficiency Vermont today to confirm

or call 888-921-5990 Visit www.efficiencyvermont.com/solarbonus



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September 2017

Only available S

For a short video of the project, see http://zeroenergynowvt.com/