



ENERGY SOLUTIONS FOR COMMUNITIES IN HILLSBORO

EDUCATION, TECHNICAL EXPERTISE AND CASH INCENTIVES BENEFIT MUNICIPAL GOVERNMENT, BUSINESSES AND RESIDENTS

Energy conservation helps communities thrive. By investing in energy projects, Hillsboro decision-makers and local businesses can reduce operating costs and free up funds for their core services. Energy-efficiency upgrades can help lower utility bills and make buildings more comfortable. In addition, reducing energy usage preserves the environment, and generating renewable power from local resources can improve energy security and boost the local economy.

Energy Trust of Oregon can help government and businesses in Hillsboro pursue clean energy projects ranging from commercial lighting upgrades to solar electric systems.

Energy Trust helps determine which upgrades will be the most energy efficient and offer the largest cash incentives. We can also connect you with experienced contractors who can get the job done right.

Meeting the needs of the community

Energy Trust assistance is available to Portland General Electric and NW Natural customers in Hillsboro—including business of all types and sizes and municipal governments. Cash incentives are available for a range of projects and, along with federal grants, tax credits and other funding sources, can make energy upgrades more affordable.



USING RESOURCES WISELY HILLSBORO PUBLIC LIBRARY—SHUTE PARK BRANCH

The Shute Park Branch of the Hillsboro Public Library had been using a hot deck/cold deck air-pressure system for its building controls that was outdated and inefficient. The library wanted to upgrade the system to improve efficiency by better monitoring the building's energy needs and usage.

The library contacted Energy Trust for assistance with their goals to reduce energy use and lower operating costs. Energy Trust provided technical assistance by reviewing the proposals created by trade allies Control Contractors, Inc., and Hodaie Engineering, Inc.

The contractors installed electronic direct digital controls throughout the library's HVAC system, which improved comfort for building occupants, allowed for remote monitoring of the system and optimized energy use.

Energy Trust contributed more than \$15,000 in cash incentives, which helped offset initial project costs. Shute Park Library reports that in the year following the completion of their energy-efficiency project they saw a decrease of nearly 45,000 kWh of electricity and 1,200 therms of natural gas, equaling more than \$17,000 in savings.

“Working with Energy Trust was great. Their knowledge was invaluable during the design process. And without the cash incentives, the project would have been much more difficult to complete.”

Peter Brandom, sustainability manager, City of Hillsboro

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ENERGY SOLUTIONS FOR BUSINESS AND GOVERNMENT

Energy upgrades can help governments and businesses reduce operating costs and meet sustainability goals. Clean energy projects help communities improve a wide range of facilities from offices to community centers to multifamily housing.

- **Existing buildings**—Energy Trust can provide incentives for capital improvement and maintenance projects that save energy, including high-efficiency lighting, increased insulation, HVAC upgrades, boiler replacements, solar installations, and many more. Our energy experts can complete site evaluations to identify energy-saving opportunities within your building.
- **New commercial and governmental buildings**—Designing from the ground up with energy performance in mind can reduce future operating costs and help municipalities and businesses reach sustainability goals.

We provide cash incentives, professional support and early design assistance for new commercial and governmental building projects. Our energy experts can offer advice on how to build the most energy-efficient building using efficient heating and cooling equipment, modern weatherization methods and renewable energy systems. Past projects have included offices, community centers, retail spaces, and renewable energy systems for public, agricultural and industrial facilities.

- **Multifamily residences**—Energy Trust can help owners and managers of multifamily properties lower their energy bills and maintenance costs by offering a host of energy-saving solutions. We provide no-cost property evaluations to help identify opportunities for energy savings and give cash incentives for qualifying upgrades at your property. We'll also provide and install LED bulbs, showerheads, faucet aerators and advanced power strips in multifamily dwelling units all free of charge.
- **Production efficiency**—Manufacturing plants, farms, wastewater management and water treatment facilities, and other industrial enterprises can benefit from equipment upgrades and production process improvements. We offer project scoping resources and technical assistance from experts in any industry to help make energy investments a reality.

ENERGY SOLUTIONS FOR RESIDENCES

Energy Trust has offers cash incentives, resources and access to a network of trade ally contractors available to help Hillsboro residents reduce energy costs and increase comfort. Our energy experts can provide advice and recommendations.

- **Existing homes**—Homeowners can benefit from the free advice of a Home Energy Review—online or by phone—to help identify ways to reduce waste, improve comfort and save energy and money. Homeowners receive information about Energy Trust cash incentives to help offset project costs and get references to trusted trade ally contractors to do the work. Simple, low-cost changes such as switching to more efficient light bulbs can go a long way toward reducing energy bills. Homeowners and renters may also be eligible to receive a free Energy Saver Kit filled with energy-saving products.
- **Instant discounts**—We offer instant discounts on energy-efficient products at retailers across the state. From high-performance showerheads to ENERGY STAR® certified LEDs to efficient gas and electric water heaters.
- **New homes**—Builders and homebuyers can use EPS™, Energy Trust's energy performance scoring tool, when preparing to build or buy a newly constructed home. Trade ally builders construct homes that have high-performance heating and cooling systems, better ductwork and ventilation, ENERGY STAR-rated appliances, efficient lighting, and options for solar electric systems.

RENEWABLE ENERGY SOLUTIONS

Energy Trust experts can assess public buildings, businesses, farms and industrial facilities in Hillsboro to determine if they are good candidates for renewable energy solutions.

Energy Trust offers technical assistance and cash incentives to customers interested in solar electric systems, biopower, small hydropower or geothermal projects. Implementation of these renewable energy solutions creates clean energy and provides savings for years to come.



Solar energy solutions

Solar energy systems help Oregon homes, businesses and government agencies cut energy costs, use natural resources efficiently and minimize environmental impact. Solar electric systems continue delivering clean energy and savings long after the initial installation costs have been recouped, many of which are covered by Energy Trust cash incentives.

Energy Trust has a variety of resources available to help you determine if a solar energy system is right for your home or business. Available resources include:

- Cash incentives
- Solar-ready design services
- Referrals to qualified solar professionals
- Information on tax credits

To find the information, tools and cash incentives you need to begin planning your solar electric project, visit our website www.energytrust.org/solar.

TRADE ALLY NETWORK

Energy Trust works with a network of nearly 2,400 trade ally contractors and other professionals who design and install energy-saving improvements and renewable power systems. Licensed and insured trade allies are trained to meet Energy Trust standards. They can also help homeowners, businesses and government agencies apply for Energy Trust cash incentives.

A number of trade ally contractors are based in the Hillsboro area. More information is available at www.energytrust.org/ta.



Dan Chambers, onsite manager, Secure Storage

STORING SOLAR AT SECURE STORAGE

As the economy slowed in 2009, Dale Walker, a partner at Secure Storage, began looking for ways to save on operations costs. A friend in the solar business suggested going solar, explaining how lower utility bills and Energy Trust of Oregon incentives could actually help pay for the installation.

Walker liked the idea of switching to a no-emissions fuel source, but thought the payback suggested by his friend was too good to be true. After talking with Energy Trust, Walker learned that within five years, Secure Storage would recover all of its initial expenditures.

In 2010, SolarCity, an Energy Trust trade ally contractor, installed a 61.64 kilowatt solar photovoltaic system at Secure Storage in Hillsboro. Secure Storage received over \$85,000 in cash incentives from Energy Trust, which helped offset the initial project costs.

The solar panels generate about 90 percent of Secure Storage's power, according to Walker, and monthly energy bills for Secure Storage are down from \$4,000 per month to \$160 per month. Due to the energy savings realized from this project, Secure Storage also converted its facilities in Ashland, Bend and Hood River to solar.



Get more from your energy. Contact us today at **1.866.368.7878**
or visit **www.energytrust.org**.



Energy Trust was great to work with. Every time I contacted them, I got the answers I needed, and once we had the system up and running they came through with the rebate right away. It was nice to see.



Dale Walker, partner
Secure Storage