



Explore, enjoy, and protect the planet



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Be Green, Save Green.

Turning down the thermostat one degree in the winter can save you 3% on your electricity bill. Drying clothes on a line or rack can save you \$80 in a year, increasing to more than \$500 over five years. Replacing 10 regular light bulbs in your home with compact fluorescent lights (CFLs) would net you savings of \$92 in one year.

Save Money (and the Planet) with Efficiency, Renewables

There are two big challenges facing us right now: high energy prices and the need to curb climate change.

We're all being squeezed by record gas prices that are also driving up the costs of food and anything else that is transported to stores. Home energy bills are rising. Oil companies continue to reap record profits and get huge tax breaks from the U.S. government. We still rely on foreign countries for oil.

The good news is that we can save money and do our part to cut global-warming pollution by being more efficient and investing in renewables -- as individuals, in our local communities, and as a nation. Even better, a move toward clean energy will be the driver that will transform our economy, create and keep good jobs, generate new investment and business opportunities, and gain oil independence for our country. The technology exists and many people are already realizing the savings and reaping the benefits. This is not some pie-in-the-sky, next generation solution! With the same can-do spirit that transformed our economy during WWII and won the war, we can do it.

Check the facts, then see the chart on the back of this page to find out exactly how much you can save by getting more efficient. Roll up your sleeves!

- According to the U.S. Department of Energy, the cost of heating, cooling, and lighting our homes and workplaces could be cut by up to 80% or more just by using the "off-the-shelf" technologies available today. It's at our fingertips!
- PricewaterhouseCoopers reports that in 2007, clean energy technology -- which includes energy efficiency -- was the fastest growing category of venture investing in the U.S.

- The American Wind Energy Association notes that the U.S. wind power industry installed 5,244 megawatts in 2007, expanding the nation's total wind power generating capacity by 45% in one year and injecting an investment of more than \$9 billion into the economy.
- The solar industry added more than 300 megawatts of capacity last year, according to the Solar Energy Industries Association. And the Wall Street Journal wrote in January that, "(Solar power) [a]dditions are expected to roughly double this year. Large commercial solar installations now exceed home installations in California, reversing a long-term pattern and likely a bellwether for other states."
- American cities are seeing real results right now: The City of Denver now saves \$218,000 annually after it replaced all traffic lights with LEDs. Dane County, Wisconsin, now saves \$150,000 each year after installing more efficient lighting and heating systems in its government buildings. In Pennsylvania, Governor Ed Rendell said investments in clean energy have created 3,000 new jobs in the renewable energy sector since 2003.
- Looking to the future, a study from the Blue-Green Alliance reports that requiring 20% of our country's electricity come from renewable sources by 2020 would create 820,000 jobs across the country. A report from the Union of Concerned Scientists notes that if the U.S. had that kind of renewable electricity standard it would create \$94.3 billion in new capital investment, income to farmers, ranchers, and rural landowners, and in new local tax revenues.

Spend Now. Save for Years to Come.

If you invest your economic stimulus check to improve energy efficiency, you can save money and energy while building a new green economy that create jobs and curbs global warming.

ACTIVITY/PURCHASE	COST	DOLLAR SAVINGS 1-year (\$0.11/kWh ¹)	DOLLAR SAVINGS 5-years (\$0.14/kWh ²)	CO ₂ SAVINGS 1-year (lbs.) ³	CO ₂ SAVINGS 5-years (lbs.) ³
Turn down thermostat 1° in winter	free	3%	3%	3%	3%
Dry clothes on line or rack ⁴	free	\$80	\$508	1,247 lbs	6,235 lbs
Replace 10 incandescents with CFLs ⁵	\$40	\$92	\$582	1,431 lbs	7,155 lbs
Walk or ride bike to work twice a week instead of driving ⁶	free	\$472 ⁷	\$2,359 ⁷	2,875 lbs ⁸	14,375 lbs ⁸
Purchase EnergyStar refrigerator ⁹	\$500-\$700	\$24	\$152	372 lbs	1858 lbs
Purchase hybrid car	\$23,000 ¹⁰	\$709 ¹¹	\$3,544 ¹¹	4,316 lbs ⁸	21,580 lbs ⁸

NOTES: (1) Current U.S. average electricity price. (2) Projected 5 year average of U.S. electricity prices. (3) Assumes a U.S. national average emissions rate of 1.72 pounds per kWh. (4) Assumes the average use of clothes dryer to be 4 hours per week. (5) Assumes changing 10 lightbulbs per household. (6) Based on average one-way commute of 16 miles. (7) Based on an average fuel economy of 22.5 MPG, and a gas price of \$3.19/gallon. (8) Based on numbers from EPA emissions calculator. (9) Savings should be compared to price difference between EnergyStar fridge and non-EnergyStar fridge, so while a payback might not be readily apparent, it does indeed exist. (10) Savings should be compared to price difference between hybrid and comparable non-hybrid car. (11) Based on an average fuel economy of 22.5 MPG, a hybrid fuel economy of 45 MPG, and a gas price of \$3.19/gallon

They're saving money; your community can, too.

■ **Beaucoup Bread.** Twenty thousand dollars can buy a lot of bread. That's what Subway sandwich franchise owner Steve Kaplan is saving by installing energy-efficient lighting, heating, ventilating, air-conditioning, ceiling fans, and ice makers throughout seven Subway locations in Oklahoma. With these improvements he's reduced his energy costs by 40 percent.

■ **A+ for Efficiency.** In 1995, the Northside Independent School District in San Antonio, Texas, set out to increase energy efficiency, reduce costs and create an enhanced learning environment. They've already saved the district more than \$20 million, for an average of more than \$1 million per year. To do it, they took advantage of rebates for fixing leaks in old pipe systems, installed low-flow toilets, and retrofitted schools with energy-efficient lighting. They also used technology to control outdoor lighting, heating and air conditioning, and created a paper-free scheduling system for events by using an online intranet system.

■ **Church Churns Out the Savings.** The Unitarian Universalist Church of the Monterey Peninsula in Carmel, California, generates 100 percent of its electricity from 180 solar panels installed on the church's property. Congregant Greg Wolfson, an expert in solar energy, oversaw the project, which cost \$250,000, offset by a state rebate of \$110,000. Wolfson said that the new system will eventually save the congregation \$5,000 a year in electricity bills.