



Be A Watt Watcher @ HOME

Energy Conservation creates three substantial benefits for us all. When you choose to Be A Watt Watcher and take the necessary steps to conserve energy at your home, you:

- Increase cost savings for you and your family
- Support the country's efforts to reduce our dependence of unsecured, non-domestic energy sources, and
- Prevent the emissions of greenhouse gases and other pollutants associated with the production of the energy we use.

When you choose to conserve energy where you live, you can relax while your efforts continue to produce these benefits for all of us in the Ojai Valley day after day, year after year

What is Energy Anyway?

Energy is simply defined as the ability to do work. Energy used to heat and power your home is not too different from the energy your body gets when you eat a meal. In the same way your body turns food (i.e., fuel) into usable energy and eliminates waste byproducts, a power plant burns coal, oil, or natural gas (*nonrenewable fossil fuels*) to power large generators used to produce energy for our homes and businesses. Waste byproducts like carbon dioxide, noxious gases and sludge are also produced by the power plant.

Enlightening Comparisons

Here's a simple comparison for two types of bulbs producing relatively the same amount of light and burning for four hours per day for three years (4,380 hours). You'll go through six incandescent bulbs during this period, while the compact fluorescent will still have another 3.8 years of life left.

Bulb Type	100W Incandescent	23W Compact Fluorescent
Purchase Price	\$0.75	\$3.00
Life of the Bulb	750 hours	10,000 hours
Number of Hours Burned per Day	4 hours	4 hours
Number of Bulbs Needed	about 6 over 3 years	1 over 6.8 years
Total Cost of Bulbs	\$4.50	\$3.00
Lumens (<i>measurement of light output</i>)	1,690	1,500
Total Cost of Electricity (<i>assume 12 cents/kWh</i>)	\$52.56	12.09
Your Total Cost over 3 years	\$57.06	\$15.09

If you replaced just four 100-watt incandescent bulbs that burn four or more hours a day in your home with four 23-watt fluorescent bulbs, you'd get the same amount of light and save almost \$168 over three years.

Did You Know?

- On an annual basis homes, businesses and our public infrastructure in the Ojai Valley¹ consume over 137,000,000 kWh with a total energy demand of 264 MW.²
- In 2007, 16 to 17% of the energy provided to the Ojai Valley by Southern California Energy was derived from renewable energy sources.²
- Of the energy consumed in the Ojai Valley, 79% is consumed by businesses/public infrastructure, 15% by homes and 4% by agriculture.²
- As of the end of 2007, over 0.94 MW of energy was being generated in the Ojai Valley from solar photovoltaic energy systems.

¹ Ojai Valley is the geographic area defined by zip codes 93022 and 93023

² Energy consumption data reported above is based upon information provided by SCE for the period May 2006 through April 2007

What actions can Ojai Valley Citizens take To Be a Watt Watcher @ Home?



There are many effective ways to conserve energy at your home. The “mix and match” choices are yours. You can invest in the latest energy-efficient technologies and products, make basic home improvements, and/or practice energy saving habits. Here’s a tool that will help you reduce your consumption of energy at home today and establish goals for future improvements.

Home Energy Conservation Self-Audit	Already In Place	Household Goal	Date Achieved
Energy-Efficient ENERGY STAR® Purchases			
Select ENERGY STAR® labeled products when considering new or replacing existing products in your home – for example			
1. High-efficiency furnace/air conditioner or heat pump			
2. Double-paned windows with low-e coatings			
3. High efficiency tankless water heaters			
4. Energy-efficient refrigerator and freezer			
5. Clothes dryer with moisture sensor			
6. Front loading clothes washer that saves water and energy			
Low Cost Home Improvements			
1. Regularly replace furnace and air conditioning filters			
2. Weather-strip windows and doors			
3. Wrap/insulate hot water heater			
4. Install dimmers, motion sensors and timers on incandescent lights			
5. Install ceiling or other fans to cut down on air conditioning costs			
6. Take advantage of day-lighting by installing solar tubes and sky lights			
7. Replace incandescent lamps with CFLs			
8. Install window shades/covering to prevent heat loss or gain into house			
9. Install an ENERGY STAR® labeled programmable thermostat			
No Cost Energy Conscious Behaviors			
1. Turn off lights when you leave a room			
2. Set hot water heater no higher than 120 degrees Fahrenheit			
3. Do laundry in cold or warm water, and always do full loads			
4. Activate ENERGY STAR® qualified home office equipment “sleep” features			
5. Close blinds or shades in summer			
6. When appropriate, use Ojai’s outdoor climate to your advantage (<i>e.g., use open windows and screen doors instead of air conditioning</i>)			



ENERGY STAR® is a U.S. government program to promote energy efficient consumer products. It is well known for its logo appearing on many computer products, home appliances/electronic and lighting.