BASELOAD ENERGY

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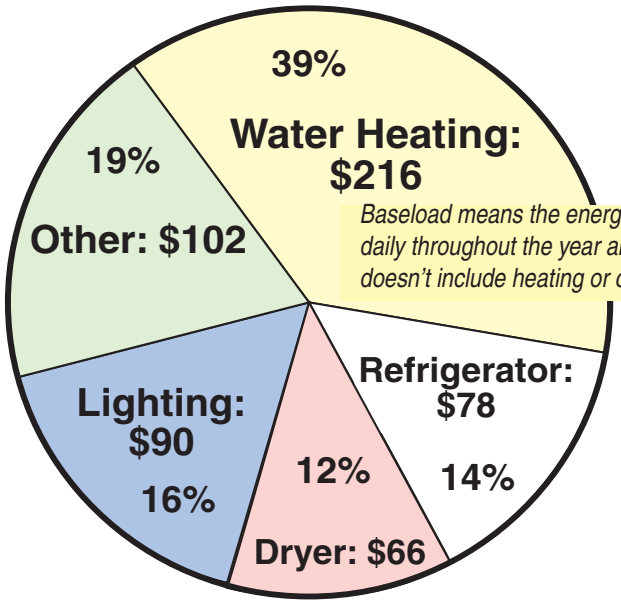
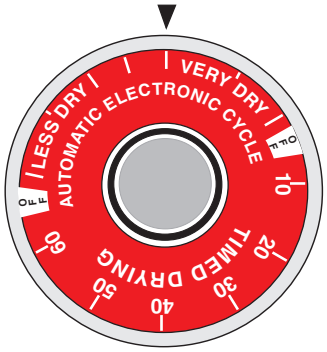
ENERGY OutWest
A Holistic Approach

Appliance	Usage kWh/year	Annual Cost
Ten-year-old refrigerator or freezer	1250	$96
New ENERGY STAR® refrigerator or freezer	550	$44
Water bed	1000	$80
Television	100–1000	$8–$80
Well pump	500	$40
Furnace fan	500	$40

Data from Lawrence Berkeley Laboratory and others.
Based on 8¢ per kilowatt-hour for electricity.



Baseload means the energy used daily throughout the year and doesn't include heating or cooling.



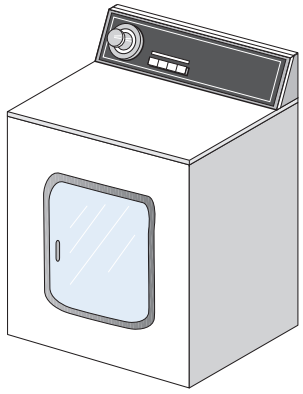
Somewhere in the middle of the automatic cycle, you will find a setting that dries your clothes but doesn't over-dry them.

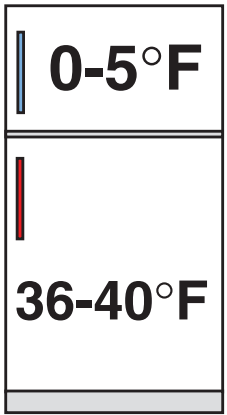
Washer and dryer

Laundry Improvements

Save substantial laundering energy in the following two ways.

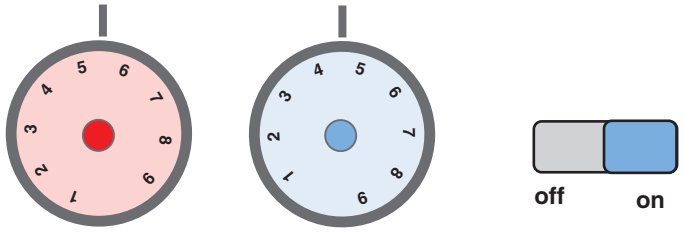
- Install a new front-loading energy-efficient clothes washer for 50% savings of energy and water and 20% savings in drying time.
- Clean lint out of clothes dryer, its piping, and termination fitting. Pipe the vent in rigid metal pipe if it's longer than four feet.





Refrigerator and freezer

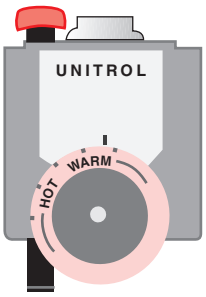
The freezer temperature should be above 0° and can be as high as 5°. The refrigerator temperature should be around 38° F. Getting the right temperature may require several re-settings and re-measurements.

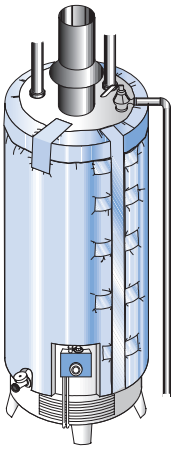


The energy saver switch turns off the door mullion heaters that prevent frost build-up in humid climates. The heat produced by these heaters consumes electricity and must be removed by the refrigeration system.

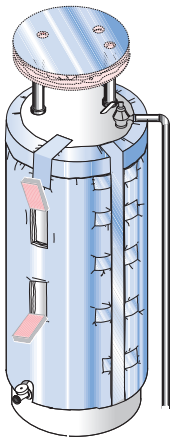
Water heating energy savings

Set water temperature to 120–125°F, using a thermometer to measure tap-water temperature.



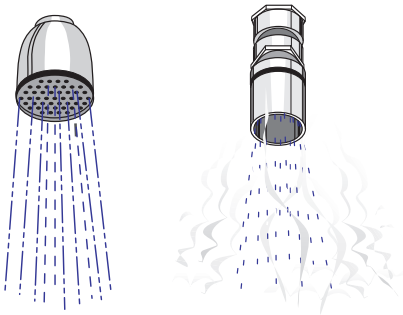


Keep insulation away from a gas water heater's gas valve and burner door.

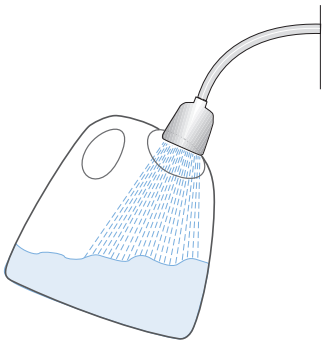


Cut small rectangular doors over the controls of electric water heaters.

Shower heads



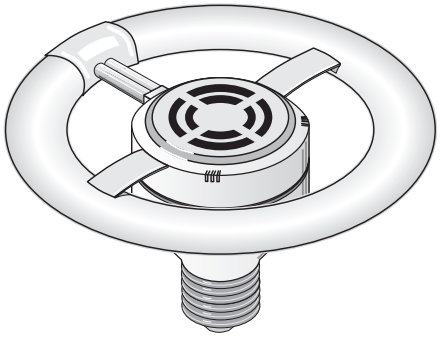
Some energy-saving shower heads produce a cone of streams and some produce a misty spray. The first type is preferable where



Cut a hole in the top of a gallon milk jug. If this container fills in less than 20 seconds, replace the existing shower head with an energy-saving shower head rated at 2.5 gallons per minute or less.

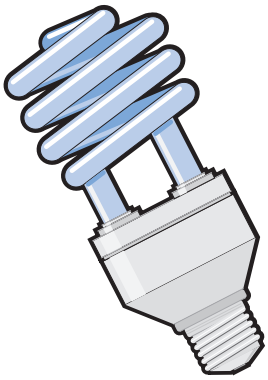
Lighting energy savings

Circling fluorescent lamps work well in ceiling fixtures formally occupied by bare incandescent bulbs.

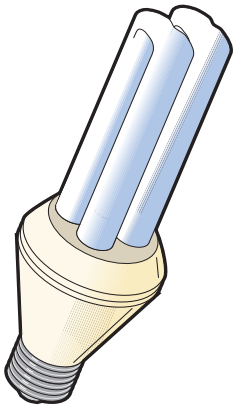


Halogen torchieres should be replaced with fluorescent torchieres because the halogens are inefficient and dangerous.

Compare the lumens of the incandescent bulb you're replacing with the CFL replacement to avoid under-lighting the space.



The smallest CFLs will fit into the tightest fixtures.



Specifications for Sub-Compact Fluorescent Bulbs

CFL watts	Incand. Replace Watts	Length (inches)	Width (inches)	Lumens
15 w sub-CFL	40	4.5	2.5	900
20 w sub-CFL	60	5.5	2.5	1200
23 w sub-CFL	75	6.0	2.7	1380
26 w sub-CFL	75–100	6.0	2.7	1560
30 w sub-CFL	100	6.5	2.7	1800

From the website: BetterBulbsDirect.com.

Choose a compact fluorescent that has at least one-third the wattage of the incandescent bulb it is replacing. If replacing bulbs in quantity pay close attention to the size of CFL you buy. Buying the smallest size for a specific wattage is usually the best choice.