

Saving a Ton of CO₂

Keeping a ton of CO₂ out of the atmosphere each year will also save at least \$100 on your family's annual utility bills! Decide which of the following energy-saving actions you can take. Then, calculate the total amount of CO₂ you'll save with these actions.

Energy-Saving Action	Possible Annual CO ₂ Savings	How Many?	Pounds of CO ₂ You'll Save Each Year
Electricity Simplicity			
Replace a 100-watt incandescent bulb with a 27-watt compact fluorescent bulb.	142 pounds per bulb	_____ bulbs	
Replace a 75-watt incandescent bulb with an 18-watt compact fluorescent bulb.	107 pounds per bulb	_____ bulbs	
Turn lights out when you leave the room.	107 pounds per room	_____ rooms	
Getting Into Hot Water			
Give your water heater an insulation jacket to make it more efficient.	Electric: 534 pounds Gas: 231 pounds		
Cool your water heater down by 10 degrees (but not below 120° Fahrenheit).	Electric: 587 pounds Gas: 258 pounds		
Make your hot water go further with low-flow showerheads.	Per showerhead: Electric: 819 pounds Gas: 356 pounds	_____ showerheads	
Wash your laundry in cold water instead of hot.	1600 pounds		
Turning Over a New Leaf			
Plant a tree on the south or west side of your home to provide cooling shade.	133 pounds per tree	_____ trees	
Home Is Where the Heat Is			
Turn down your thermostat this winter.	Per degree: Electric: 365 pounds Oil: 222 pounds Gas: 160 pounds	_____ degrees	

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Energy-Saving Action	Possible Annual CO ₂ Savings	How Many?	Pounds of CO ₂ You'll Save Each Year
Home Is Where the Heat Is (continued)			
Turn down the heating system 10 degrees when you're in bed at night.	Electric: 1,842 pounds Oil: 1,121 pounds Gas: 801 pounds		
Turn up (to warmer) the air conditioner thermostat this summer	196 pounds per degree	_____ degrees	
Plug leaks around windows and doors with weather stripping—and close the curtains and shades at night.	Electric: 1,424 pounds Oil: 890 pounds Gas: 623 pounds		
Get Annual Tune-Ups			
Tune up air conditioner.	196 pounds		
Tune up furnace.	Electric: 917 pounds Oil: 579 pounds Gas: 400 pounds		
Drive Less			
Combine trips, take public transportation, walk or ride a bike instead of driving. To calculate gallons of gas you will save, estimate how many fewer miles you will drive and divide it by the miles per gallon the vehicle uses: Fewer miles ÷ vehicle mpg = gallons saved	19.6 pounds per gallon of gas saved	_____ gallons	
Total CO₂ You Will Save:			

