

QUICK CARBON CALCULATOR



Action	Pounds you can lose annually by doing this action	Dollars saved per year by doing this action	I Pledge to take this action!	Multiplier (Pledged amounts)	Total Pounds of CO2 Saved	Total Dollars Saved
<i>Sample: Switch one load of laundry per week to cold water.</i>	100	\$18.58	<u>2</u> # of Loads per week	2	200	37.16
Switch one load of laundry per week to cold water.	100	\$18.58	<u> </u> # of Loads per week			
Reduce one load of laundry per week from the dryer.	260	\$48.30	<u> </u> # of Loads per week			
Replace 5 incandescent light bulbs with 5 CFLs.	500	\$26.40	5 CFL's			
For each additional CFL add 100 pounds and \$5.28.	100	\$5.28	<u> </u> # of additional CFLs			
Power on and off your TV and accessories through a power strip.	600	\$30.00	<u> </u> # of power strips			
Install a low-flow shower head.	250	\$20.00	<u> </u> # of shower heads			
Get your car serviced and keep your tires properly inflated.	1500	\$200.00	<u> </u> # of cars			
Replace or clean the Air Conditioner filter as recommended**	350	\$90.00	Yes, I will maintenance my air conditioner			
Raise your thermostat for the air conditioner by 4 degrees**	80	\$72.00	Yes, I will raise my thermostat 4 degrees in the summer			
				Total for your household		
				What if 100 households did this?		
				What if 10,000 households did this?		

Information from: Low Carbon diet: A 30 Day Program to Lose 5,000 Pounds by David Gershon.

* Avg 20 mpg before tune up. Tune up saves an average of 4% per mile. $4\% \times 20 \text{ mpg} = 0.8 \text{ mpg}$. Tire inflation saves an average of 3% per mile. $3\% \times 20 \text{ mpg} = 0.6 \text{ mpg}$. Total of 1.4 mpg saved. The average car travels 15,000 miles per year and gasoline costs \$4.00 per gallon. So, before the tune up and tire inflation the gasoline cost of this car was $15,000 \text{ miles} / 20 \text{ mpg} = 750 \text{ gallons} \times \$4.00 = \$3000$. With proper tune up and tire inflation, improved mileage would be 1.4 mpg. So, 15,000 miles divided by 21.4 is 700 gallons $\times \$4.00$ is \$2,800, a savings of \$200 per year!

** Ameren CILCO says an average Central Illinois home is 2,000 sq feet and uses 866 kWh per month which gives Approximately 1,300 pounds of CO₂ per month. Assuming the average monthly utility Bill for electricity is \$150 per month, annual expense Would be \$1800 (150×12). Replacement/cleaning of the AC filter saves 350 pounds per year, an average of 5% ($\$1,800 \times 5\% = \90.00). Thermostat savings saves 20 pounds per month, approx 80 lbs per year and an average of 3% to 5% ($\$1800 \times 3\% = \54.00 , $\$1800 \times 5\% = \90.00 , avg of those is \$72.00) $\$74 + \$90 = \$162$.