

	Savings per Gallon (Regular Gas Price at \$2.00)	Fuel Benefit per Gallon
Keep Engine Properly Tuned	\$0.08	4.1% -20%
Ignition and Emission System Operating Properly	\$0.80	Up to 40%
Check and Replace Clean Air Filters Regularly	\$0.20	Up to 10%
Keep Tires Properly Inflated	\$0.06	Up to 3%
Use the Proper Grade of Motor Oil	\$0.02	1% - 2%
Drive Sensibly	\$0.14	7% - 23%
Use Air Conditioner Sparingly	\$0.10	5% - 20%
Lighten the Load	\$0.02	1% - 2%
Purchase Correct Fuel	\$0.26	
Avoid Idling	1/2 to 1 g/hour	
Use proper gas cap	30 g/year	

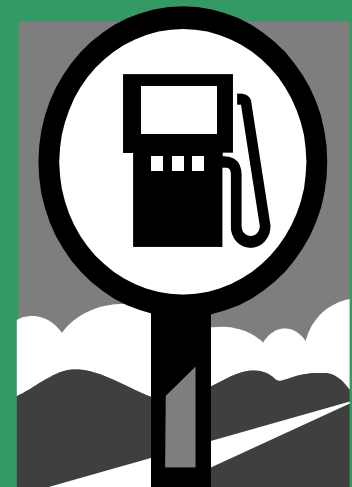
References:  
[www.fueleconomy.gov](http://www.fueleconomy.gov)  
[www.fuelgaugereport.com](http://www.fuelgaugereport.com)  
[www.carcarecouncil.org](http://www.carcarecouncil.org)



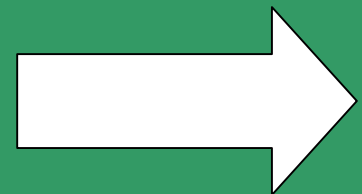
Edward G. Rendell, Governor  
*Commonwealth of Pennsylvania*

Kathleen A. McGinty, Secretary  
*Department of Environmental Protection*

# Pump Money into your Wallet



## Increase Gas Efficiency and Help the Environment



## 12 Easy Ways to Save Gasoline and the Environment

- ✓ Purchase the correct fuel: If your vehicle does not require premium or mid-grade fuel, purchase less expensive regular unleaded gasoline. Producing higher-octane gasoline uses more crude oil than the lower octane gasoline, and may often involve use of toxic substances, which means the environment suffers.  
Savings \$0.19 p/gallon
- ✓ Keep engine properly tuned: ignition timing, spark plugs and wiring, and idle speed setting. Savings \$0.26 p/gallon  
Fuel Benefit per Gallon: 4.1% - 20%
- ✓ Check and replace air filters regularly:  
Savings \$0.20 p/gallon  
Fuel Benefit per Gallon up to 10%
- ✓ Keep tires properly inflated: under-inflated tires can lower gas mileage by 0.4 percent for every psi drop in pressure of all four tires.  
Savings \$0.06 p/gallon  
Fuel Benefit per Gallon up to 3%
- ✓ Use recommended grade of motor oil:  
Savings \$0.02 p/gallon  
Fuel Benefit per Gallon 1% - 2%
- ✓ Drive sensibly: aggressive driving wastes gas. Avoid quick starts and sudden stops.

This wastes fuel, is harder on vehicle components and increases the odds of a traffic crash.

Savings \$0.14

Fuel Benefit per Gallon 7% - 23%

- ✓ Keep ignition and emission systems operating properly:  
Savings \$0.80 p/gallon  
Fuel Benefit per gallon 40% if you have a faulty oxygen sensor.
- ✓ Use air conditioner only when needed:  
Savings \$0.10 p/gallon  
Fuel Benefits per Gallon 5% - 20%.
- ✓ Avoid idling: sitting idle gets zero miles per gallon and consumes between one half and one gallon of gasoline per hour.
- ✓ Use correct replacement gas cap: A leaking or missing gas cap can result in the release of 30 gallons of fuel per year into the atmosphere.
- ✓ Don't top off your gas tank: It can result in you paying for gasoline that is fed back into the station's tanks because your tank is full.  
If you overfill your gas tank, the extra gas may evaporate into your vehicle's vapor collection system. That system may become fouled and will not work properly causing your vehicle to run poorly and have high gas emissions. Gasoline vapors contribute to bad ozone days and are a source of benzene. Evaporation from the spillage of gas from overfilling can occur, contributing to the air pollution problem.

*Remember you pay for the gas that evaporates or is spilled on the ground.*

- ✓ Limit your daytime driving whenever possible by taking the bus, car-pooling, biking or walking.

### *Watch for New, High-Tech Solutions: Hybrid Cars and Alternative Fuels*

Hybrid vehicles are more environmentally friendly and their gas mileage is significant higher than that of the "average car," saving you money at the pump as gas prices reach new highs.

Vehicles that use alternative fuels such as Liquefied Natural Gas and biodiesel, use less gasoline, emit less greenhouse gases, no particulate matter, less carbon monoxide and fewer pollutants that contribute to smog.

Alternative fuels and hybrid vehicles are a cleaner alternative to conventional vehicles, save consumers money, especially as fuel prices continue to rise, and enhance America's energy security by making our nation less dependent on foreign oil.

For more information visit the DEP's Web site at [www.depweb.state.pa.us](http://www.depweb.state.pa.us), Keyword "Alternative Fuels."