



1. Only buy or fill up your car or truck early in the morning when the ground temperature is still cold. Remember that all service stations have their storage tanks buried below ground. The colder the ground the more dense the gasoline. When it gets warmer, gasoline expands. So if you buy in the afternoon or evening...your gallon is not a gallon. The specific gravity and the temperature of gasoline play an important part role in how much you get.
2. When you are filling up, do not squeeze the trigger of the nozzle to a fast mode. If you look you will see that the trigger has three (3) stages: low, middle, and high. You should be pumping in the low mode, thereby minimizing vapors that are created while you are pumping. All hoses at the pump have a vapor return. If you are pumping on the fast rate, some of the liquid that goes to your tank becomes vapor. Those vapors are being sucked up and back into the underground storage tank, and you're getting less gas for your money.
3. One of the most important tips is to fill up when your gas tank is HALF FULL. This is because the more gas you have in your tank the less air is occupying its empty space. Gasoline evaporates faster than you can imagine. Gasoline storage tanks have an internal floating roof that serves as zero clearance between the gas and the atmosphere to minimize evaporation.
4. One last reminder: if there is a gasoline truck pumping into the storage tanks when you stop to buy gas, DO NOT fill up! Most likely the gasoline is being stirred up as the gas is being delivered, and you might pick up some of the dirt that normally settles on the bottom of the tanks.