



Prepping Guide

Gasoline Storage for SHTF

An emergency crisis could cripple fuel distribution and oil refinery production. It could be caused by a natural disaster, EMP, or economic collapse. Whatever the reason fuel shortages are nothing new. Localized disturbance at refineries can create a lack of gas at the pumps in surrounding states. Threats and national emergencies cause sudden gas hoarding. In hours after an announcement, gas could be gone and under some circumstances it may be delayed for days or weeks. This guide is designed to prepare you for major SHTF scenarios where gas unavailable for indefinitely and civil unrest has set in.

The gas in your vehicle tank won't last long if you need drive to gather supplies, collect family members, or bugout. Your gas generator may be needed to keep refrigerators and other essentials operating. Having gas will increase your preparedness capabilities and increase your chance of survival.

This guide will provide details on how to collect, store, and stabilize fuel. Having fuel gives you a great advantage following a grid down, apocalyptic, or extended fuel shortage.

Bottom Line Up Up Front (BLUF):

- Learn how to siphon fuel.
- Stabilize for long term storage.
- Locate improvised fuel sources.
- Collect and store in safe containers.



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🔦 HOW TO STORE 🔦

- Use an airtight container
- Keep in a cool dark area.
- Add 2oz of Stabilizer per 5 gallons to extend life to 10-14 months. (Avoid ethanol and use high octane to add 2-4months storage time.)
- Rotate fuel every year.
- Store 50ft from home or ignition sources.

🔦 HOW MUCH TO STOCKPILE 🔦

These amounts are estimated to provide fuel for powering a generator 50% a day and driving 50 miles a day. You'll want to stockpile now so that when SHTF you can focus on other preps rather than improvising risky methods for fuel collection.

- 72 Hours (minimum recommended amount): Store 15 gallons.
- 1 Month (recommended): Store 60 gallons.
- 6 Months (ideal): Store 360 Gallons.

🔦 BUGOUT FUEL 🔦

If you plan to bugout to a more secure location you'll need gas.

- Determine Distance to Destination, (d2d).
- Determine MPG.
- Add 25% fuel in addition to $d2d \div \text{MPG}$.



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🚩 SHTF FUEL COLLECTION 🚩

Following an event that disables the delivery and processing of gasoline you'll wanna know how to find and collect gasoline from sources other than fuel pumps. Many of the methods mentioned in this guide are illegal and dangerous. Keep in mind this section of the guide is for survival and not for ongoing minor crisis that simply delay fuel for days or weeks.

COLLECT FROM VEHICLES/EQUIPMENT

Unattended cars, trucks, tractors, motorcycles, lawnmowers, etc; all contain fuel. Identify the fuel type you need and target those sources. Use caution, located abandoned vehicles if possible and avoid stealing from vehicles that may still be under direct use of supervision of owners. Parking lots, car dealerships, roadside vehicles, etc are best.

SIPHONING

- You'll need a siphon pump. They are cheap and can easily be packed in a Bug Out Bag or stored in your Vehicle Emergency Kit.
- Alternatively, a simple hose can be used as a manual pump.
- The basic idea is to insert a hose into inlet pipe to a fuel tank (for vehicles simply remove the gas cap and insert hose).
- You'll need a container to collect fuel that flows from the hose.
 - ◆ Siphon Pump: Place hose in inlet, place bottom of pump hose into collection container, begin pumping until fuel flows and fill container.
 - **Things Needed:** ✓Siphon Vacuum Pump ✓Fuel-approved container
 - ◆ Manual Pump (suck): Place hose in inlet, suck air thru hose using your mouth until fuel begins to flow up the hose. Quickly remove hose from mouth and place the end of hose in a container.
 - **Things Needed:** ✓Transparent plastic hose or pipe ✓Fuel-approved container
 - ◆ Manual Pump (blow): A safer option. Place 2 hoses in inlet. Use a balled up plastic bag (or cloth rag) to stuff into the inlet opening. Blow air thru one hose using your mouth until fuel begins to flow out of the other hose which should already be placed in collection container.
 - **Things Needed:** ✓Transparent plastic hose or pipe ✓Cloth/Plastic Bag ✓Fuel-approved container



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- Many cars have a anti-siphon lid that must be raised and held open with a screwdriver (or a chopstick like device to avoid a spark). A few cars have a ball-shaped anti-siphon blocker. You can spend some money to buy a bypass system (such as a Gas Tapper) to circumvent it or use a very small hose (no larger than a drinking straw) as it will fit thru the opening.

◆ **Things Needed:** ✓Screwdriver/chopstick✓GasTapper or ¼ inch hose

TAPPING

- Use puncturing tool to create a hole in the bottom of a fuel tank of a vehicle.
- A screwdriver or drill are usually the go-to tools but do have a risk of creating a spark (a spark is less likely to ignite liquid fuel than vapor and since the underside of the tank is all liquid is is not likely to be a major issue).
- After tapping a hole, position collection container (such as a drip pan) under the hole. Be prepared to have multiple containers.

◆ **Things Needed:** ✓Screwdriver, drill, or other puncturing tool✓Collection container such as a drip pan or bucket

COLLECTION FROM UNDERGROUND RESERVOIR AT GAS STATIONS

You can pump fuel directly from the underground tanks at service stations. This is a tactic best completed after civil unrest has set in, and should be done in the cover of darkness. This is method is likely to be collection done following a grid-down scenario where power outages has kept fuel from being purchased and depleted from stations (some stations have generators and may be able to sell and depleted their reserves so there is a chance that the tanks may be empty).

- Locate the tank access covers. These are the steel lids often on raised circular concrete humps. Remove the lid of the fuel type you need. The lids are often color coded as follows,
 - ◆ White =Regular 87
 - ◆ Blue = Midgrade 89-91
 - ◆ Red = Premium 93
 - ◆ Yellow= Diesel
 - ◆ Brown = Kero
- If the lid is not colored, check the gas station control room or office for a diagram so that you are collecting the fuel type needed.
- Open the cap to the fill line. Those caps may have a locking mechanism. Bolt cutters or shimmming tool can be used to gain access.
- Once cap is removed, insert hose.
- You can use a siphon pump, manual hand crank pump, or a 12v electric pump. Electric pumps are cheap and can run directly from a car battery.



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- You'll want a long hose, condensation, vapors, and water concentrates near the top of tanks, draw fuel from the deepest area possible.
- Pump fuel from reservoir into your collection container.
 - ◆ **Things Needed:** ✓Plastic hose or pipe✓Pump✓Fuel-approved container

OTHER OPTIONS

- Barter with others. Have cash or other bartering items such as cigarettes, coffee, ammo. Strike a deal with owners of smaller gas stations to trade goods for fuel.
- Loot factories and businesses that have their own fuel tanks on site.
- Create your own biomass diesel using methanol, lye, foodsafe oils or waste oils. Research and print a guide in advance of a SHTF scenario for further instructions. The process is complex and cannot be covered in this guide. Start [here](#).
- While not directly fuel related, there are a number of other ways to power equipment. Consider solar, wind turbine, flywheel/bicycle, and wood gasifier.



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RESOURCES

BUGGING OUT

Determining when to bugout is specific to each scenario. The rule of thumb is to egress from one location to another when resources are near depletion and/or danger is increasing to a point to be no longer avoidable.

Superesse has developed an Emergency Response System to help assess your situation and react in concert with your support group. The ICERS plan (In-Case-of-Emergency Response Plan) is a downloadable and editable template in PDF and Word format.

Download at www.superessestraps.com/products/icers

ELG: EMERGENCY LOADOUT GUIDES

Download a 6 part series of guides for packing Bug Out Bags, INCH gear, Get Home Bag, Vehicle Emergency Kit, and EDC.

Download at www.superessestraps.com/collections/resources

SUMMARY

This is a working document. We'll be refining the tips and adding illustrations soon. You'll receive email notifications along with a download link.