

## Climate Change

### Where can I fill up on LPG?

There are more places selling LPG now and you can find LPG pumps at garages around the country. It's just the same as filling your car with petrol. Many petrol stations sell LPG but it's not available everywhere. You can use these websites to find a list of the garages that sell LPG near you:

- [www.lpgconversionsltd.co.uk/refuellingguide.html](http://www.lpgconversionsltd.co.uk/refuellingguide.html)
- [www.autogas.ltd.uk/lpg-refuelling/lpg-refuelling-wales.htm](http://www.autogas.ltd.uk/lpg-refuelling/lpg-refuelling-wales.htm)



Courtesy of <http://www.eco-cars.net>

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<http://www.science-shops-wales.org.uk>

### Is there anything else I need to do?

If you plan to modify your car, you will need to contact your insurance company. However, most insurance companies are happy to insure properly converted cars and some insurance companies will even insure you for less.



Courtesy of <http://www.lpg-vehicles.co.uk>

### Where can I find out more?

The following websites are useful:

- [www.cat.org.uk](http://www.cat.org.uk)
- [www.greencarsite.co.uk](http://www.greencarsite.co.uk)

If you need more help, get in touch with the team at Science Shops Wales. You can do this by phoning us on 0845 841 3545, or by emailing us at [scishopw@glam.ac.uk](mailto:scishopw@glam.ac.uk). Our web site address is:

[www.scienceshops-wales.org.uk](http://www.scienceshops-wales.org.uk)

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## RUNNING A CAR ON LIQUID PETROLEUM GAS (LPG)

Towards A Sustainable Future

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### Why run a car on LPG?

Liquid petroleum gas or LPG is also known as Autogas. Unlike alternative fuels such as biodiesel, LPG is made from fossil fuels. However, LPG makes less pollution than petrol. It makes far less carbon dioxide. Too much carbon dioxide gas in the air is causing global warming. It also costs around half the price of petrol.



Courtesy of <http://uk-energy-saving.com>

LPG also gives out much less of the gases that make smog and other types of air pollution that are bad for health. Because of this, the government puts much less tax on LPG than on petrol. This is why it is so much cheaper at the pump. However, as normal petrol and diesel become cleaner this price difference may reduce. Cars normally run more smoothly on LPG so the engine can last a lot longer (up to 30% longer).

### What type of car will run on LPG?

It is possible to change any petrol engine to run on LPG. Your car will need an extra tank to hold the LPG, as well as new fuel pipes. You do not need to alter the engine itself. It will still be able to run on ordinary petrol. This means your car will be able to switch between petrol or LPG. Diesel cars are generally less suited to running on LPG and there are fewer environmental benefits.

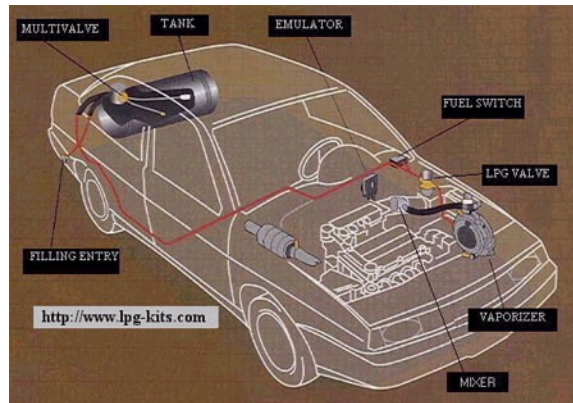
## A Sustainable Future Climate Change

### How do convert my car to run on LPG?

You will need to take it to a garage that is able to convert petrol cars to run on LPG. It is easy to change your car back at a later date leaving the car as it was.

These websites offer information on converting your car:

- [www.boostlpg.co.uk](http://www.boostlpg.co.uk)
- [www.greenfuel.org.uk](http://www.greenfuel.org.uk)
- [www.lpgconversionsltd.co.uk/index.html](http://www.lpgconversionsltd.co.uk/index.html)
- [www.lpg-vehicles.co.uk/index.htm](http://www.lpg-vehicles.co.uk/index.htm)
- [www.go-lpg.co.uk](http://www.go-lpg.co.uk)



Courtesy of <http://www.howstuffworks.com>



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### How much will it cost?

It depends on your type of car, but it usually costs between £1500 and £2000. This seems like a lot of money. However, if you do a lot of driving you can get that money back quite quickly.



Courtesy of <http://commons.wikimedia.org/>

For example, it will cost about £2000 to convert a 1.6 litre Ford Mondeo. If you drive 20,000 miles per year then you will save the cost of conversion in two years. You can often save up to 20% on your insurance as well.

There are lots of systems on the market. It is important to get the right system for you type of car.

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