



FuelPositive
Fuel For A Mindful World



Fact Sheet - Transportation Fuel

- Over two **billion** internal combustion vehicles are on the roads around the world, burning gas and emitting carbon and other greenhouse gas emissions into the atmosphere.
 - Petroleum products accounted for about 90% of the total U.S. transportation sector energy use in 2020. ¹
 - In Canada, over 70% of the 105 billion litres of refined petroleum products consumed are burnt up by the transportation industry.
- FuelPositive carbon-free NH₃ can replace gasoline and diesel in internal combustion engines (e.g., cars, trucks, airplanes, boat motors, train engines, construction equipment, farm equipment, generators, turbines, machinery).
- FuelPositive carbon-free NH₃ burns without producing carbon emissions and can deliver a completely carbon-free global fossil fuel replacement at a competitive cost per mile/kilometre travelled.
- Almost any vehicle on the road today can be converted at a relatively low cost to run on ammonia, with a kit that a properly trained mechanic can install.
 - The conversion of an internal combustion engine to run on pure NH₃ is similar to the types of conversions implemented today that convert gasoline and diesel engines to operate on propane and natural gas.
- The existing fossil fuel infrastructure can be leveraged to store, transport and supply Carbon-free NH₃ to end-users.
 - Gas stations could produce their own FuelPositive carbon-free NH₃ onsite, removing the need for pipelines and transport trucks.
 - Propane storage can be easily adapted to store Carbon-free NH₃.
- If only off-peak power from non-polluting electricity generation was used in Canada to produce FuelPositive carbon-free NH₃, virtually 100% of transportation fuel could be replaced by carbon-free NH₃. This alone would cut Canada's greenhouse gases by over 25%, surpassing the Paris Agreement commitments!

Link to [this section](#) on our website.

¹ U.S. Energy Information Administration, [Use of Energy Explained](#). Found on July 15, 2021.