

Fuel substitutes in the world

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23 Oct 2020

A sustainable vehicle is one that produces less harmful impacts to the environment than a conventional internal combustion engine vehicle. It can use liquefied natural gas (LNG), compressed natural gas (CNG), biofuels and more. However, a truly eco-friendly vehicle needs to meet specific requirements and can include electric cars, hybrid-electric vehicles, fuel cell vehicles and more. These vehicles are powered by alternatives to fossil fuels (gasoline, natural gas, diesel) and do not produce tailpipe greenhouse gas (GHG) emissions.

Why do we need alternative transportation fuel?

A combination of several factors affects how we address the need for alternative fuels. There is environmental and ecological awareness, concerns about high oil prices and uncertainty regarding the time when world oil production will peak, all influencing the priorities set by governments and vehicle manufacturers for developing cleaner fuel sources and power systems for vehicles. The outcome from the UNFCCC Summit in Paris in 2015(COP21) was the approval of the historic Paris