

Future Fuel Energy Alternatives in Transport Sectors

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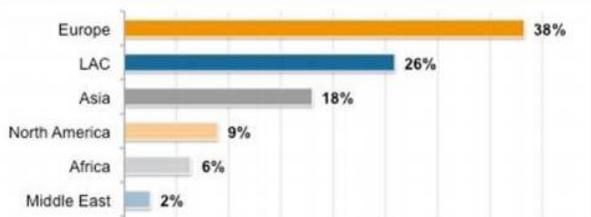
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Abstract--- Demand-side solutions for alternatives sources are widely recognized as a great opportunity to giving a renewable energy future. But due to many limitations of inquiry by consumer point of view to compete to search out which alternative solutions will be the foremost grip and the way of their ought to be followed. To start address out this problem, the world Energy Council's community of Future Energy Leaders did a worldwide survey of quite two thousand twenty-five different view of people ensuring awareness into purchaser attitudes and behaviors related to other ways of transport fuels to scale back greenhouse emission (Chase et al., 2006). It is due to particular appropriate for the law makers, machine manufacturers, fossil fuel providers and other planners' findings shows that the extent of ravenousness and need for guide lines which increase the use of other transport fuels in different part of the world. About 73% of people says they're in a position to pay more for other transport fuels which release less greenhouse gas emission over fuel sources. Around 63% of people are known to the energy-water food connections. About 69% of people don't even imagine that their state can give them other transport fuel in future with minimum rate. Around 81% of respondents in the world are conversant in other transport fuels. About 53% of people are still on doubt whether their machine can utilize other transport fuels (Agrawal et al., 2007).

I. INTRODUCTION

The invention and modification of the inner clipping motor merge with the invention of fossil fuels have encourage present anthropoid development. Shipping of products and the link which made in people and mechanisms of product that believe fossil fuels could also be a one of the parts of civil society which we all realize it. Nowadays the dominating transportation model is the only neighborhood of a state. But we have many problems which are associated with and risks is emerging factors in transport model design. These risks aren't enough to authorization of an instantaneous stop to the assembly and utilization of other fossil fuels for vehicles (Fackler et al., 2008). a wise proposal shows that the divide work and focus on how to continue to develop oil and how far such understanding, awareness and develop of other transport fuels.

Worldwide survey of consumer attitudes towards other transportation fuels.



Some of the organization done a worldwide look over of consumer attitudes towards other transport fuels. Over 2,585

people the overlook shows from 98 countries and the graph shows more people gone with other alternative to reduce global warming.

Description of technology

The travel by cars and airbus fundamentally altered the surrounding of our physical world over the last 100 years with natural phenomenon providing the fuel for our vehicles. They approximately used thirteen million barrels of fuel to make us move every day. More than 98% of vehicles in united states used petroleum diesel fuels from long time before. Before knowing that they are using more fossil rather than renewable other fuels would be more reliable to scale back to their dependence (Fargione et al.,2008).

Alternative Fuels

Methanol

Methanol may be a colorless, odorless and toxic liquid. In this fuel methyl alcohol is produce by substituting one atom of methane with a hydroxyl ion throughout the reaction time. Methanol are often produced from coal, gas, biomass and resid.



Hybrid Electric cars

Hybrid Electric Vehicles can also be one of the simplest alternative vehicles in upcoming days for our convenient and more dedicated HEV. Hybrid Electric Vehicles gives huge energy and which have more environment friendly which is free from any feedback. It is powered by two energy sources firstly an energy conversion unit and an energy storage device.



Electricity

The concept of the electrical car came into existence in 1891 by William Morrison. But after a century also the idea of electric vehicles couldn't defeat the power of gasoline even by one third. In present days in United states over 10,500 electric cars are used in and around West and South region. Designers and manufacturer are working hard to counterpart the challenges they faced on the similar issues for making more efficient battery storage for long drive.



Hydrogen Fuel Cell

Water may become an important source to alternative fuel mixture in near future. Hydrogen Fuel cells used water and some oxygen molecules to gives electricity with zero greenhouse gas emissions and water is one of the concrete by-products. As we all know that hydrogen is in gases form at normal pressures and temperatures which gives more Budden in shipping and storage than liquid fuels. And no distributing system generally exists today. 1839 by William Robert grove but commercially used from 1960s.



Biodiesel

Biodiesel commonly known as liquid fuel which is typically made up of chemical reaction of alcohol with vegetable oils, fats and greases which are thrown from hotels some other commercial building. Nowadays it is commonly used in mix of 20 percent (B20) biodiesel and 80% fossil fuel. There is also so call neat biodiesel in which 100% biodiesel is in used.



Berkeley Curbside Recycling Trucks Now Fueled by Recycled Vegetable Oil



New and future directions

The ancient investigation regarding alternatives and other energy sources for modern transportation have deal with the recent ongoing technologies to come up different technique which include technically feasible of engine design, fuel generation and storage of fuel. This is the main aim to greenhouse gas emissions (Chase et al., 2006). There are couple of new and future ways of studies include among the qualification/modeling to alternatives and transitional sources in research on transept the commercialization of recent technologies.

Qualifying the benefits of alternatives and transitional energy sources.

To draw a attention on the value of other and interim energy sources there are some recent research have been attempt to qualify the advantages of other energy sources other than fossil fuel in transport sectors by implementing the life cycle assessment strategies. Latin American and Caribbean is the methods for qualifying the applicable energy as well as the emissions from waste that are produced in the life cycle of a product (Farrell et al.,2006).

Major limitations of modern technologies

To do research is mandatory to identify of modern technological limitations to check various other ways and renewable energy sources in transport sectors. Many ongoing modern technologies are vehicle engines for alternatives fuel and long-lasting efficient battery charging for electric vehicles. Installation of charging station along the high ways are still challenging in developing countries. Deposition of biomass waste is another challenges in modern world.

Latest ongoing plan to reduce emissions.

As of 2018 research result, transportation sectors contribute 28.2 % of greenhouse gas emissions. The transportation sectors generate largest share of greenhouse gas emissions. If such initiative implemented in all developing and developed countries, no doubt still 2050 CO₂ in the atmosphere will be reduce to at least 60% (Dahldren.2020).

Some ongoing strategy to reduce emissions in transportation sectors.

- 1 To improve the transportation efficiency we should make them more digitalize and make habit to depend digital technologies and price should be minimum to encouraging the people to buy low emission vehicles.
- 2 To build/design the use of low emissions alternatives in transportation sectors which are already existed like advanced electricity, advanced biofuels, hydrogen and so on.
- 3 Now we really need to think on zero emissions vehicles engines in order to save our mother earth by improving inner combust engine.

Report layout and scope

Some of the countries in the line of actual control region are responded around 60% of their survey which they done in 2006. The research didn't present direct or recommend from every query in the work but they extracted main data from different angle and come up with a finding. Renewable Energy existence does not show to be a larger problem from the manufacture side. Hydro electricity, oil, gasoline and biomass are available in large quantity in many in many places of different part in the world (Agrawal et al., 2007) (such because the battery, flywheel, or ultracapacitor). 1982 by Fritz Karl Preis hat.

II. CONCLUSION.

The clear cut about findings of the research that knowledge of other transportation oil is rich and there is much better concern to pay for transportation oil which have longer and lesser greenhouse gas emission than gasoline transport fuels.

In this manner we are able to reused the energy source again and again with much efficient way so we can save life and natural biodiversity. Consumers around the united states Caribbean region are mainly focusing on alternatives sources to minimize the risk to themselves in our future since we can't give guaranty to our future of mother earth (Agrawal et al., 2007). Those views found from many surveys was send to World Energy Issues Monitor agency to take strong action on alternative oil sources. The gap between leaders and consumers giving many issues to counterpart on this problem to implement pollution free fuel of engine in the diverse and developing (Farrell et al.,2006).

III. RECOMMENDATIONS

The public and private institutions who used to make decision should keep in mind that the huge demand on materials investments, guidelines to influence buyer mind and able to make greater uptake of alternative transportation fuels.

They need to note down sample bias so that adaptation of law or guidance's that uphold alternative transportation fuels should not affect the potential of any class people.

Government's research should be there for transparency for the actual cost of fossil fuel subsidies together with the impacts on alternative transportation fuels.

The governments and urban planners need take challenge to uptake urban transport infrastructure that include cars off the way to minimize fuel use.

The public transport operators, Local governments and urban planners need to priorities other transportation fuel use in public and private transport systems.

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