



# The BIGGEST call for Energy Independence : Ethanol

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In the early 1900, the Ethanol was used as a blend with Gasoline to run the vehicles and the use became seamless.

Soon, the trouble began with lots of myths surfacing about Ethanol:

- The Corrosion Aspect
- Susceptibility of Rubber, Plastic & Metal to Ethanol
- Hygroscopic nature of Ethanol

Later, its abatement started & continued and the entire human population across the world was betrayed of their rights to use Cleaner, Healthier & cheaper Ethanol and was forced to use the Fossil Fuels containing Carbon which kept on Depleting the Atmospheric Layer around this beautiful Planet.

With availability of such an economical alternative which was lying on the backyard of every household why it was denied its respectable due. The reason is very interesting & at the same time very brutal.

## Interesting Reason :

- To Satisfy their commercial hunger and attain Power, the oil companies and vehicle manufacturers kept on churning their profits with high valued Gasoline & diesel.
- Reluctance towards Ethanol acceptance led to denigrating it with various myths.
- Denial to Energy Independence led to overdependence on Fossil Fuel thereby puncturing the entire world economy.

## Brutal Reason :

- Hundreds of people lost their lives during the world war fighting for the control over these fossilized fuel.
- Carbons kept on stabbing the entire population and damaged the environment through its poisonous fumes and emissions. Imagine – a world free of Carbon dioxides and full of oxygen just with a simple replacement by Ethanol.

## Ethanol Introduction & Knowledge:

- Ethanol is a renewable source of Energy.
- Chemically it is Ethyl Alcohol, a colourless liquid used as a solvent, fuel, infectant or alcoholic beverage, having a molecular weight of 46.07 gm/mol, density -0.789 gm/ml @20 Deg C. It is produced by Fermentation of Sugar or other crops by Yeast or by Chemical Process such as hydration of Ethylene. Fermentation of Glucose produces 2 molecules of Ethanol and releases Carbon Dioxide.

- Ethanol reduces Engine Knock & abnormal Detonation.
- It Can be produced with simple husk, weed stock , rice grains , Sugarcane and other crop harvests.
- Better proposition in terms of Power , Cost , environment , Safety & Energy security .
- Its extensive usage will reduce monopoly of Middle east Oil , lessen Catastrophic oil spills & Disasters.
- Ethanol will reduce the Carbon footprints in a BIG way.
- Ethanol aids in Oxygenation .
- Ethanol Cleans Engine, burns cooler and the Engine life increases 2-3 times.
- Ethanol Prevents icing in Aircrafts .

### **The Only Way Forward :**

- Strict Restrictions on use of Gasoline & Diesel run Vehicles by 2030 ( or furthering Preponement ).All Ethanol Powered vehicles by 2030.
- Understand the need of Climate emergency with urgent /immediate/ Utmost seriousness.
- Moral obligation toward future generations for providing a Green environment and cleanest Air to breathe .
- Reduce Global temperatures by 2-3 Degrees by 2030 and achieving Net Zero Emissions.
- Ensure 100% Fossilization.
- All renewable sources utilization to make the entire world an ethanol economy or Hydrogen economy .
- Targeting replacement of Jet Fuels or Marine Fuels with Bio- Fuels .
- Global Transitioning into the E-fuel , Green Fuels and e-chemicals.
- Making stringent Policies.
- Better National Security & World Security .
- Propelling populations to switch to ethanol by devising various supporting policies and zero tax , toll structures.
- Concentrated efforts towards Mass Manufacturing of Ethanol.
- 100 % Alcohol diversion as an alternate Fuel leading to prohibition of drinking Alcohol use.
- Lets give Ethanol its Fair Chance and achieve Full Reliance with domestic resource and non-reliance over Foreign resources.
- Full recognition and Flourishment of Farmers & Farming.
- Diversification of energy Markets enhancing Carbon -Neutrality and Environmental Neutral policies.