



PURIFY FUEL®
NANOTECH FUEL PURIFICATION

NanO₂® Combustion Catalyst



Commonwealth of Virginia

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Who Can Use It to Reduce Emissions and Fuel Consumption in Power Generation.

Power Generators (Standby and Full Time)

Peaker's

Mining Operations

Railroads

Dredgers

Tugs

Off Road

Maintenance Equipment – Trucks, Cars, etc.

Reduce the Consumption of Diesel Fuel

- Most Varieties – ULSD, JP-8, Bunker, Others
- With a Mobile or Stationary Engine
- And That Reduction saves AT Least the same amount of;
- CO, CO₂, NO_x, Soot, PM,

Meet the Fuel Standards of Caterpillar

WITHOUT CAPEX

Diesel Not Going Away!

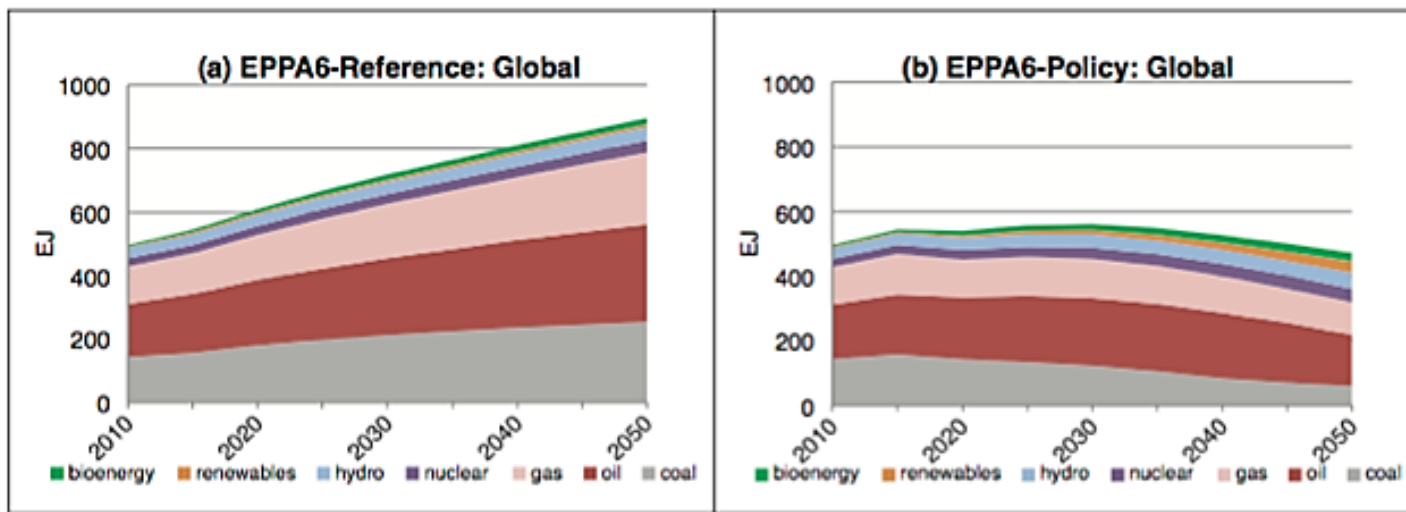
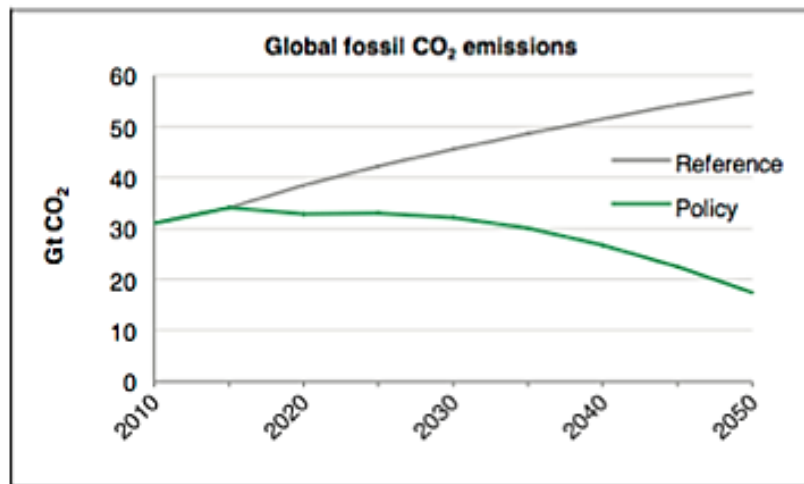


Figure 8. Total primary energy demand: BAU vs. Policy.



Source: MIT 2016

Figure 9. Global fossil CO₂ emissions.

- Three Legs of the Solution – Science Based
 - Over 150 Peer Reviewed Papers
- Cetane Booster
 - Extends the length of the combustion
- Light Oil's
 - Solves the “dryness” of ULSD
- Nano Cerium Oxide
 - Adds Oxygen to Combustion

Goals

- Reduce Fuel Consumption 7%
- Reduce Emissions by AT least 7%
- Upper Goal COE2 Value
 - CO 15% 1 for 1
 - CO2 17% 1 for 3
 - Nox 30% 1 for 298
 - Soot 40% 1 for 25
 - PM 40% 1 for 12
 - CEO2 20% Total

Questions