

Let's Enjoy Civilized Life Using Limited Amount of Fossil Fuel

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Opinion

Oil is fossil of plankton and coal is a fossil of tree made by CO₂ assimilation from CO₂ and water in 50 billion years. Mankind is now using up this fossil fuel in 500 years. Estimated amount of buried fossil fuel: oil is 42 years, natural gas is 60 years, coal is 132 years. It is said that oil production reaches maximum in 2037(earlier in 2026, latest in 2047) and decrease quickly. When fossil is burned out. How can we live civilized life. How can we drive car, air plane, agriculture machine, fishing boat. How can we generate electricity. From what can we make plastic and solar cell module. Fossil fuel is limited very very precious treasure for our mankind. We must consider how to use the limited precious fossil fuel.

We must consider most useful method to use limited amount of fossil fuel. Fossil fuel 1.4x10¹⁰ tones was burned at whole world in 2015 and about 4.4x 10¹⁰ tone CO₂ and 7.4 x10¹⁵ kcal were produced and 2.5x 10⁹ tone NO_x is produced. If we use this 2.5x 10⁹ tone NO_x for CO₂ assimilation, we can fix CO₂ 50x10⁹ tone (25x2.5 x 10⁹). Some country is eliminating NO_x by ammonia. To eliminate NO_x 2.5x 10⁹ tone, equimolar ammonia 11.3 billion ton is used. To make ammonia 11.3 billion tone, 2 billion tone hydrogen gas ie used. To make 2 billion tone hydrogen, butane 6.4 billion tone is used. As the result, 17.6 billion tone CO₂ is released. This elimination is not clever way. If NO_x elimination is stopped, 17.6 billion tone CO₂ release can be stopped. And 17.6x 25= 440 billion tone CO₂ can be fixed.

Promotion of wood production. There is 800 billion tone wood in the world and increasing 1-2 % annually. Tree grows quickly by the promotion of CO₂ assimilation. Big trees are glowing at West Mountain at west Canada and United State supported by Salmon which swim up the river and eaten by bear and provide nutrient nitrogen. The salmon grow by eating plankton at nutrient rich sea. Promotion of plankton promotes fish production and promotes wood growth. This wood might be a candidate of oil substitute.

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Fuel efficiency of car decrease when NO_x generation is restricted. Too strict law to diminish NO_x causes heavy loss of fuels.

NO_x is biggest fertilizer and NO_x is playing very important role for the growth of plant, production of corn, fish NO_x elimination consume huge fuel and generate huge CO₂ and promote global warming. Therefore NO_x elimination at power station should be stopped.

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Conflicts of interest

None.