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Monsanto, Bill Gates, the Rockefellers, Craig Venter and other investors are working behind-the-scenes to bring genetically engineered (GE) algae to market with products that include fuel, animal feed made with manure, human food and vaccines.

The US government have a stake in this enterprise, too. Obama put a moratorium on drilling for oil on federal land and voted down the Keystone pipeline, in addition to subsidizing the nuclear industry instead of increasing oil reserves.

Obama has advocated replacing 17% of US oil imports with oil made from algae.

Algae could be the next bottomless pit that the government flushes money down, to the detriment of the taxpayer, similar to the many solar energy scandals.

There are two major areas of algae research that the government and private entities are funding; open pond algae farms use massive amounts of freshwater, but this is the cheapest option. The second option is mutated, genetically engineered (GE) or synthetic algae that may

be able to use saltwater and polluted water, but there are risks of out-of-control consequences.

OPEN POND

Obama referenced a study that suggested 17% of US oil imports could be replaced with algae oil using the open pond method. However, he failed to mention that these algae farms would require land mass the size of North Dakota and a continuous supply of freshwater.

It requires 350 gallons of water to produce 1 gallon of algae oil! The amount of water required to replace 17% of oil imports is equal to 25% of all water in the US used for crop irrigation.

The [study](#) published by the Pacific Northwest National Laboratory failed to account for polluted water, evaporation and the energy required to keep ponds from freezing.

GENETICALLY ENGINEERED (GE) / BIOTECH ALGAE

Critics of GE algae say that there are great risks that include mutation, contamination, becoming out-of-control, killing fish and polluting water systems.

The purpose of genetically engineered products is to lock up income-generating patents and to create monopolies.

Green Crude Alliances: Sapphire Energy

Monsanto, Bill Gates, the Rockefellers, the pharmaceutical giant Wellcome Trust fund and others invested \$144 million in the Sapphire Energy algae oil biotech company that is based in San Diego. The US government, funded by taxpayers, gave over \$100 million in corporate welfare grants and loan guarantees to Sapphire Energy.

Sapphire recently opened an operational algae-to-oil farm in New Mexico that uses non-potable (non-drinkable) water to grow algae that is mutated, but not genetically engineered at this time. However, Sapphire plans to switch over to GE [strains](#) of algae.

Sapphire Energy has [partnered](#) with Monsanto and are receiving an undisclosed "significant income stream" from them. Monsanto's interest in the fast-growing algae is in increasing staple crop yields on an enormous level, in addition to stress tolerance. Most people who give a rat's-tail about their health know that Monsanto's GE crops are harmful, as was shown in a recent 2-year [study](#) published in France in which rats were fed only Monsanto GE food and they developed horrible tumors and organ damage.

The Business of Slime: Synthetic Genomics

Craig Venter's company, Synthetic Genomics, is also conveniently based in San Diego. Craig Venter is known for mapping the human genome and creating 'synthetic' life. He created artificial life by taking a disease-causing bacteria, replicating its DNA in the lab and implanting it into a host to 'create' a new species/disease that took over and killed the host.

[Critics](#) warn against an unintentional plague that could result from Venter's tinkering. Some critics have also argued that he should cease his dangerous experiments until regulations are in place. It would be a pleasant change to see regulations for criminal prosecution against those who create out-of-control organisms that destroy health and the environment.

Exxon, a direct descendant of Rockefeller's Standard oil, has committed \$600 million toward Venter's GE synthetic algae oil enterprise. Venter has also received funding from BP Oil.

In addition to Venter's interest in algae oil, he wants to make GE/synthetic algae based food and vaccines that can be produced large-scale within [hours](#).

Venter admits that governments will [play](#) a critical role in algae products because they can

impose a tax on carbon dioxide to kill the coal and oil industries with artificially high prices, opening the door for expensive alternative fuels. This is the very definition of a monopoly-monopolies are dependent on government intervention to manipulate markets and discourage competition.

Pond Scum Partnerships

The J. Craig Venter Institute, Synthetic Genomics and Sapphire Energy are listed as [partners](#) with the San Diego Center for Algal Biotechnology (SD-CAB). Other partners include the San Diego Super Computer Center, General Atomics Corp, Carbon Capture Corp and Chevron (another Rockefeller Standard Oil spin-off).

SD-CAB promotes algae farming using degraded water sources such as waste-water to be used for biofuels and high-protein animal feed in California.

While algae is being pushed as an alternative fuel, animal feed and food for humans is far more [profitable](#)

SD-CAB proposes manure from dairies and feed lots, known as Concentrated Animal Feed Operations (CAFOs), to be [placed](#) in an anaerobic bacteria digester (an oxygen-free processing container) to make a biogas to be used as a methane gas fuel. Some of the sludge could then be used as a soil supplement fertilizer.

Then SD-CAB proposes using algae ponds to recycle nutrients from the digested sludge to make high-protein omega-3 oil to be used as a cattle feed supplement. It is hard to understand how feeding cattle algae-treated manure is supposed to make better dairy products. Do these people think that the products will taste better or be more nutritious?

[Screenshot:](#)

**Manure from dairies
& feedlots →
digester to make
renewable biogas.
Algae ponds will
recycle nutrients
from digester into
nutritious, high
protein + Ω -3-oil,
cattle feed
supplement**

~~Elon Musk says that the only business model that interests pharmaceuticals (0:40) in the long run is to create a~~