

This response was submitted to the consultation held by the Nuffield Council on Bioethics on *New approaches to biofuels* between December 2009 and March 2010. The views expressed are solely those of the respondent(s) and not those of the Council.

### Bahamas Green Energy Solutions

Bahamas Green Energy Solutions, a newly formed company (2010) in the Caribbean has an interest in green energy technology, especially biofuels. As the president (Aurellius Jordan) what I know of the potential for green energy is that it is limitless. Its not if solar, hydrokinetic, geothermal and biomass will be commercialized, its when. I believe the when is within the next two-three years. I think sources like Algae are copacetic and that alga is a viable feedstock that can assist tremendously in making countries energy-independent from fossil fuels. Alga is a primordial source of oil and is believed to possibly be the source for crude oil. The challenge with algae is that the technology to release the algae from its cell is still in a nascent phase, though extremely hopeful. A strength of algae is that they have very high oil yields and they are ubiquitous. Algae also sequester carbon and other green house gas emissions. I see no environmental harm with using algae or just about all other forms of biomass. I am highly supportive of algae and biomass at large. I feel that policy should be geared toward encouraging the study and use of green energy technologies like algae.

A few considerations in policy making for algae may be; Where it should and should not be grown commercially, what types of algae should and should not be permitted to grow commercially on any land or body of water, if any, as well as what harvesting techniques should or should not be used; what percentage of fuel should come from algae and other biomasses.

In regards to policy, Bahamas Green Energy Solutions is learning and growing in the field and if we can be of any help to your organization, please do not hesitate to inform us. We would also love to start creating and shaping policy here in The Bahamas; therefore if you have a mailing list or do share new policies in the field, we would love to know them.