



LATE

**CLEAN ENERGY
SOLUTIONS**

**735 Bishop Street, Suite 421
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**TESTIMONY of GEORGE PRITCHARD
EXECUTIVE VICE PRESIDENT CLEAN ENERGY SOLUTIONS
IN SUPPORT of SCR 121**

**BEFORE THE SENATE
COMMITTEE ON WAYS AND MEANS**

Tuesday, April 4, 2017, 9:45 a.m.
Public Hearing – State Capitol, Conference Room 211

Thank you for the opportunity to submit testimony in strong support of SCR 121, which encourages the development of a Hawaii Green Fuels initiative to coincide with increased local food production.

Clean Energy Solutions is committed to programs that convert crops, crop residues, dedicated energy crops and agricultural wastes into economically and environmentally sustainable biofuels and value added co-products. The high cost of energy and livestock feed are significant hurdles for the local utilities and farmers in Hawaii, and this proposed biofuels pilot project to address the conversion of agricultural crops and byproducts to biofuels and protein feed, is an important step towards food sustainability.

Feedstock produced in Hawaii can be used directly as a biofuel to produce electricity in Hawaii. The local production of these biofuels could contribute to Hawaii's renewable energy objectives, reduce the impact of world oil price volatility, provide a measure of energy security, provide economic diversification, encourage increased agricultural production, and circulate Hawaii's energy expenditures within Hawaii's economy.

Thank you for the opportunity to provide testimony in strong support of SCR 121

CLEAN ENERGY SOLUTIONS

Sincerely,

George Pritchard

George Pritchard
Executive Vice President



April 4, 2017

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COMMITTEE ON WAYS AND MEANS

Sen. Jill Tokuda, Chair; Sen. Donovan Dela Cruz, Vice Chair and Committee Members
Public Hearing, April 4, 2017 at 9:45 a.m., Conference Room 211

**TESTIMONY of WILLIAM F. ANONSEN
MANAGING PARTNER/PRINCIPAL of THE MARITIME GROUP, LLC
IN SUPPORT of SCR 121**

My name is William Anonsen and I am the Managing Partner/Principal of THE MARITIME GROUP, LLC. We support SCR 121 which encourages the development of a Hawaii Green Fuels initiative to coincide with increased local food production.

Mother Nature had always satisfied man's energy needs in a renewable manner, until the industrial revolution pushed mankind to start exploiting the earth's fossil reserves: coal, fossil oil and natural gas. These energy reserves, although abundantly available, are not unlimited and are damaging our environment. The current and future circumstances necessitate that renewable energy programs be accelerated, with biofuels options serving to be a primary solution to address these energy requirements. Biofuels are an excellent option with their high efficiency providing the reliable and consistent firming of Hawaii's power grid, which are being supplemented by intermittent energy sources such as photovoltaic solar systems and wind turbines. Collectively these renewable energy sources will ensure we meet our RPS mandates.

Biofuels are a renewable energy source in that they are created from plants that can be regrown each year. The use of biofuels is basically carbon neutral, since the carbon produced when burning them is offset by the carbon consumed by the plants they came from. In Hawaii, biofuels can help reduce the dependence on foreign oils. Hawaii has the ideal climate year-round and soil conditions for biofuel crops; to produce a renewable and clean, local sustainable source of energy.

The potential benefits of biofuels are immense, to include, but are not limited to:

- Enhancing energy security and energy independence, in electricity power and the transport sector;
- Ability to provide significant livestock feedstock for cattle ranches, cow dairies, etc.;
- Contribution to a cleaner environment through reducing greenhouse gas and vehicular emissions;
- Helping to eliminate climate-changing fossil fuel, with clean, local and sustainable source of energy;
- Suitable lands that are currently underutilized will be put to the production, enhancing productivity;
- Creation of rural employment and diversification of the rural economy;
- Creation of new and increased markets for local produced agricultural products;

The following are some recommendations for the committee's consideration;

- Establishment of an implementation plan for a comprehensive biofuels program, to include state policies and strategies for the production and marketing of biofuels;
- Increased awareness of the potential for the production of biofuels throughout the state;
- Set up an institutional framework to promote biofuels by establishing a Biofuels Development Board or a similar autonomous organization to coordinate all aspects of the biofuel program;
- Study the available international experience in all aspects of biofuels including policies, feedstocks, technologies and business models;
- Formulate and adopt holistic and biofuels friendly policies and a workable and practical implementation strategy;
- Showcase pilot projects to demonstrate technology and the workability of the biofuel program.

The establishment of the proposed the development of a Hawaii Green Fuels initiative to coincide with increased local food production is another critical step forward to significantly enhance our state's energy security, energy independence, and assist with our food security for livestock feed in a fiduciary environmentally responsible and economic manner. We can all be very proud that Hawaii is the first U.S. state to adopt this renewable energy standard, the most aggressive clean energy goal in the country, which is workable and is achievable.

Mahalo for the opportunity to comment in support of this measure

Sincerely,

William F. Anonsen

William F. Anonsen

Managing Partner/Principal