



Hawaii's Clean Energy Future: Lessons from Aloha & Poi

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Ano ai me ke aloha
kakou
e na hulu manu like ole

Greetings with aloha
among all of us
birds of many feathers

A kahai	kindness expressed with tenderness
L okahi	unity expressed with harmony
O luolu	to be agreeable expressed with pleasantness
H aahaa	humility expressed by modesty
A honui	patience expressed by perseverance



Aloha is more than a word of greeting or farewell or a salutation it is the mutual regard and affection and extends warmth in caring with no obligation in return.

Aloha is the essence of relationships in which each person is important to every other person for collective existence.

Aloha means to hear what is not said, to see what cannot be seen and to know the unknowable.

[§5-7.5] "Aloha Spirit". (a) "Aloha Spirit" is the coordination of mind and heart within each person. It brings each person to the self. Each person must think and emote good feelings to others. In the contemplation and presence of the life force, "Aloha", the following unuhi laula loa may be used:

"Akahai", meaning kindness to be expressed with tenderness;

"Lokahi", meaning unity, to be expressed with harmony;

"Oluolu", meaning agreeable, to be expressed with pleasantness;

"Haahaa", meaning humility, to be expressed with modesty;

"Ahonui", meaning patience, to be expressed with perseverance.

These are traits of character that express the charm, warmth and sincerity of Hawaii's people. It was the working philosophy of native Hawaiians and was presented as a gift to the people of Hawaii. "Aloha" is more than a word of greeting or farewell or a salutation. "Aloha" means mutual regard and affection and extends warmth in caring with no obligation in return. "Aloha" is the essence of relationships in which each person is important to every other person for collective existence. "Aloha" means to hear what is not said, to see what cannot be seen and to know the unknowable.

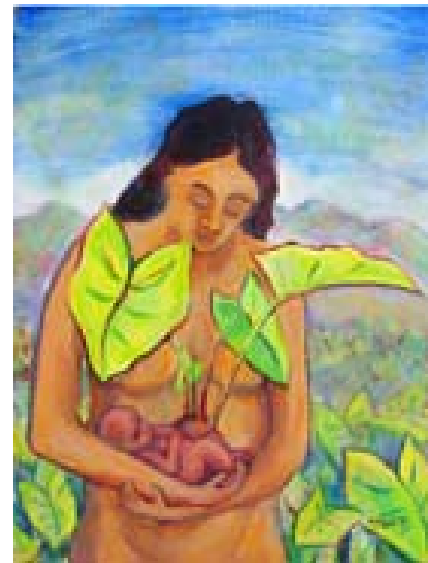
(b) In exercising their power on behalf of the people and in fulfillment of their responsibilities, obligations and service to the people, the legislature, governor, lieutenant governor, executive officers of each department, the chief justice, associate justices, and judges of the appellate, circuit, and district courts may contemplate and reside with the life force and give consideration to the "Aloha Spirit".

[L 1986, c 202, §1]

Hawaii Revised Statutes, Chapter 5, Section 7.5



**Hanalei Valley
Kauai**



Haloa

Haloa – the first born
became the taro plant,
the food of mankind

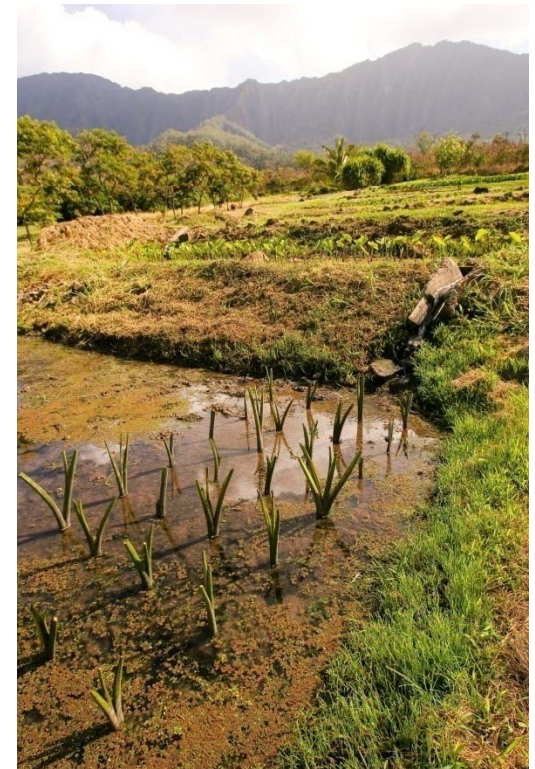
Haloa – the second born
is the genesis of man



**kalo (taro) corms
oha**



**Preparing huli (stalks)
for replanting**



pounding the oha
(taro corms) to
make poi



Poi
The
Hawaiian
Source of Human
Energy







“Unfortunately, up to now we have been trying to solve the problems caused by the Dirty Fuels System piecemeal, one at a time, instead of trying to create a new system to replace it. The result has been that as we try to fix one problem, we end up creating or exacerbating another. . .

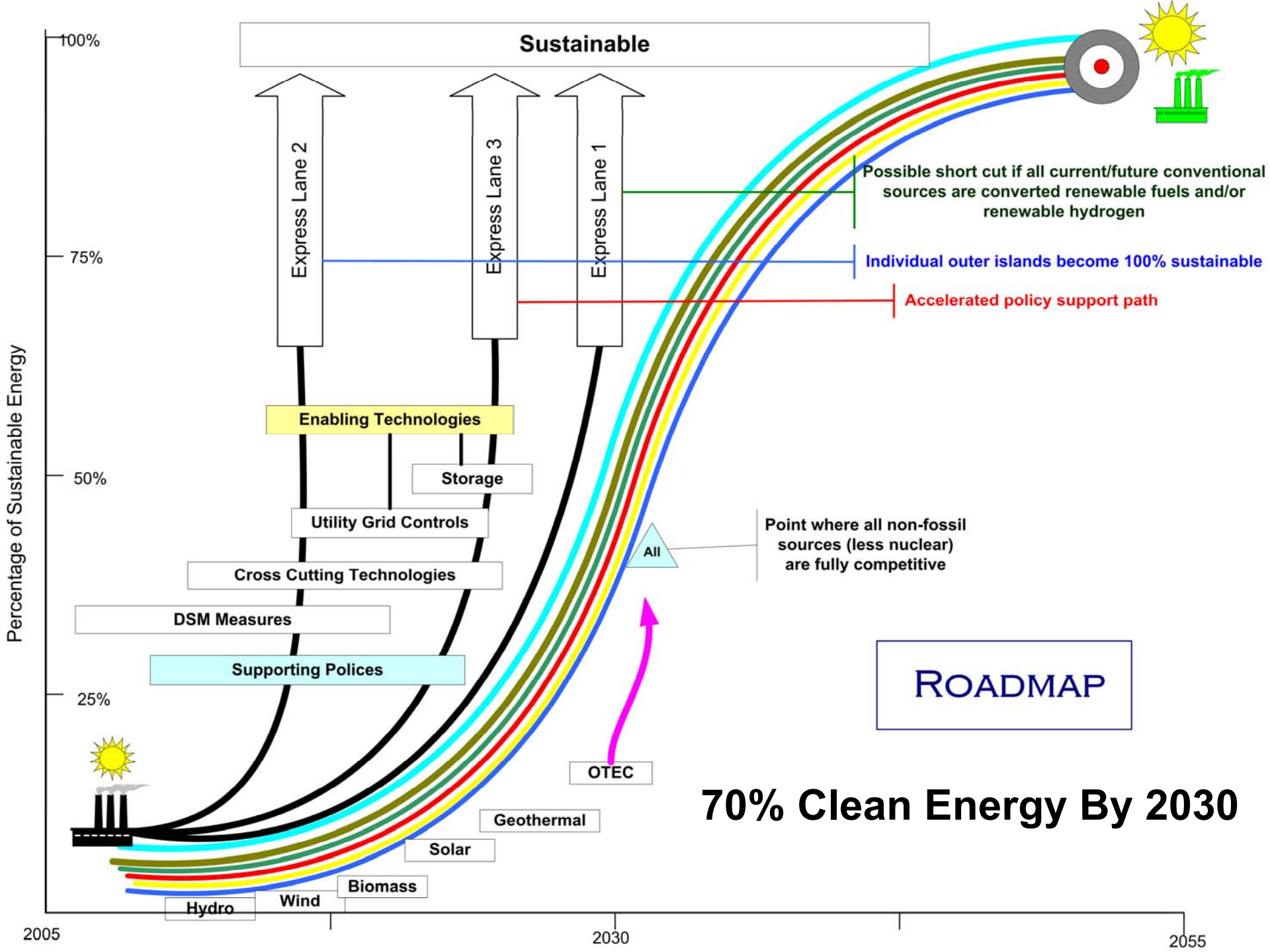
We need a whole new system for powering our economy.

The only way America will remain a big power and big player in the global system is if it is big in big things. And there will be no bigger undertaking in the world we are heading into than the production of clean power, energy efficiency, and protection of our forest, plant, and animal heritage. . . Green is the new red, white and blue.



Thomas L. Friedman, Economist

Hot, Flat, and Crowded: Why We Need A Green Revolution And How It Can Renew America



Hawaii Clean Energy Initiative

- The HCEI is a partnership between the State of Hawaii and U.S. Department of Energy to analyze, plan and implement an integrated energy strategy to [transform](#) Hawaii's energy sector.
- The goal is to accelerate use of renewable, indigenous energy resources in Hawaii while decreasing imported energy demand by increasing the scale and rate of renewable energy and energy efficiency technology market adoption in residential, building, industrial, utility and transportation end-use sectors.

For
Hawaii
Green
Means We're
In The
Black



Potential Impacts of **Clean Energy** on Hawaii's Economy by 2020

- Displace 110 million barrels of crude oil
- Retain \$6.3 billion in Hawaii's economy (2006 oil prices)
- Eliminate 49 million tons of CO₂
- Result in 65,700 job-years of employment
- Equivalent to stopping all flows of oil into the state for 2 years between now and 2020

Strategy Embedded In The Hawaii Clean Energy Initiative

- 70% Clean Energy By 2030 (renewables & energy efficiency)
- Improve Hawaii's economic condition and create jobs
- Economic & environmental equity between citizens
- Mitigate the impacts of oil prices & supply vulnerability
- Maximize locally generated resources and self-sufficiency
- Reasonable energy costs

Tactics Embedded In The Regulatory Framework

- In early years, favor new renewables; don't provide a windfall to existing renewables
- Maximize a "no regrets strategy" as soon as possible to include PV, solar water heating, easy wind, energy efficiency, utility efficiency
- Do not penalize the utility for things they cannot control such as oil prices
- Preserve maximum flexibility for alternative business models, new technological innovation and changing costs
- Maximize ease & efficient administration and low transaction costs
- Keep utilities healthy & rates reasonable
- Emphasize high certainty, predictability, and consistency of message, methods and incentives



. . . the continued pattern of growth and consumption -- the typical indicators of economic prosperity -- in a finite space, whether an island or on planet Earth is unsustainable. So, now, we need to ask ourselves -- where do we want to go as a global community? What kind of a world do we want to leave to future generations -- whose lives we impact by the way we live and do business.

As parents and grandparents we work to meet our moral obligation to future generations for a healthy, secure and prosperous world.





Kumu

Dietrich Varez



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