



**Clean
Hawaii
Center**

STATE OF HAWAII
Department of Business, Economic Development & Tourism
Energy, Resources & Technology Division

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Creating a Bio-Friendly Government Through Use of Biobased Products and BioEnergy

Why Use Biobased and Bioenergy?

- It's mandated by the Federal Government and the State of Hawaii (See the Executive Orders and Hawaii Revised Statutes summarized below).
- Making products with biobased material rather than raw materials helps to conserve resources and energy, prevents pollution and creates jobs.
- Reduces the amount of Greenhouse gas produced.
- Buying energy from biomass ensures that natural resources are not wasted, captures the economic potential of what we throw away.
- Using biomass helps to reduce the amount of trash filling our landfills.

What is Biobased Product?

A commercial or industrial product (other than food or feed) that utilizes biological products or renewable domestic agricultural (plant, animal, and marine) or forestry materials.

What is Biomass?

Any organic matter that is available on a renewable or recurring basis (excluding old-growth timber), including dedicated energy crops and trees, agricultural food and feed crop residues, aquatic plants, wood and wood residues, animal wastes, and other waste materials.

FEDERAL LEVEL:

Executive Order (EO) 13134: In August 1999 President Clinton signed Executive Order (EO) 13134, "Developing and Promoting Biobased Products and Bioenergy". This order requires federal agencies to reduce the consumption of petroleum and reduce the production of Greenhouse Gas by switching to alternative fuels like biomass, biodiesel, and others.

STATE LEVEL:

Act 96 (SB1239, RELATING TO ENERGY) was signed on June 2, 2004. It reduces license and highway fuel taxes for certain fuels (ethanol, methanol, biodiesel) to one-fourth the effective rate for diesel on an energy content basis.

Resources:

1. Executive Order (EO) 13134: <http://www.denix.osd.mil/denix/Public/Legislation/EO/note52.html>
2. Guide to EO 13134: <http://www.epa.gov/fedsite/eo13134.htm>
3. Honolulu Clean Cities: <http://www.hawaii.gov/dbedt/ert/cc/>
4. Act 96 (SB 1239): http://www.capitol.hawaii.gov/sessioncurrent/bills/sb1239_.htm

Contact Information:

For information on products in compliance with these regulations and the "Biobased Products and BioEnergy" contact:
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