

ACT 131

S.B. NO. 1581-78

A Bill for an Act Relating to an Appropriation for Research, Development, Demonstration, and Utilization of Alternate Energy Sources for Hawaii.

*Be It Enacted by the Legislature of the State of Hawaii:*

SECTION 1. (a) There is appropriated out of the general obligation bond fund the sum of \$3,845,000, or so much thereof as may be necessary, for the funding of research and development, applications, and demonstrations directed toward the development and utilization of alternate energy resources. The projects proposed for funding are based on recommendations made by the special energy task forces established by the senate committee on energy/ natural resources during the summer of 1977. The program areas, funding levels, source of fund, and expending agencies are as follows:

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PROGRAM AREA	FUNDING (Thousands) FY 1978-79	SOURCE OF FUNDING	EXPENDING AGENCY
<b>CIP</b>			
<b>BIOMASS</b>			
1. HC&S Ethanol Plant	\$ 500	C	UOH
2. Corn-Ethanol Program	330	C	AGR
3. Energy Tree Farms	500	C	LNR
4. Other Biomass R&D (CIP)	200	C	UOH
Subtotal	1,530		
<b>GEO THERMAL</b>			
1. State Geothermal Match	200	C	UOH
<b>OCEAN ENERGY</b>			
1. Off-shore Pipes/Barges	1,225	C	UOH
<b>SOLAR/WIND</b>			
1. Solar Irrigation Demo	100	C	AGR
2. Solar Ag. Application	100	C	AGR
3. State Bldg. Solar HW	100	C	PED
4. Photovoltaic Demo	50	C	UOH
5. State Solar Air Cond.	100	C	UOH
6. Engineering Analysis	150	C	UOH
7. Wind-Direct Pumping Demo.	50	C	AGR
8. Wind-Electric Demo.	40	C	UOH
9. Wind-Hydro Demo.	200	C	UOH
Subtotal	890		
Total CIP	3,845		

(b) For the purpose of this Act:

"Expending agency" means the executive department which is authorized to expend specified appropriations made by this Act. Abbreviations, where used to denote the expending agency shall mean the following:

AGR Department of Agriculture;

LNR Department of Land and Natural Resources;

PED Department of Planning and Economic Development;

UOH University of Hawaii.

The source of funding letter symbol "C" means the general obligation bond fund.

**SECTION 2.** To insure maximum utilization of State funds, to eliminate duplication of effort, and to minimize overlapping of programs, each expending agency designated in section 1 of this Act shall coordinate its planned expenditures with the Energy Resources Coordinator. Federal, county, and private funds shall be sought for projects where feasible.

**SECTION 3.** The director of finance is authorized to issue general obligation bonds of the State to yield the amount of \$3,845,000 appropriated by this Act. The appropriations for capital investment projects authorized by this Act which are unencumbered as of June 30, 1982 shall lapse as of that date; provided that the lapsing date shall not apply to projects necessary to qualify for federal aid financing and reimbursement.

**SECTION 4.** This Act shall take effect on July 1, 1978.  
(Approved May 30, 1978.)