



COLLEGE OF SOCIAL SCIENCES
HAWAII ENERGY POLICY FORUM
UNIVERSITY OF HAWAI'I AT MĀNOA

Energy Efficiency Working Group

TEN POINT PLAN POINT #2

Promote Conservation and Energy Efficiency

TEN POINT PLAN POINT #7

**Improve Energy Efficiencies and Options in
Transportation**

Energy Efficiency

➤ Energy by Example

☐ August 2006

☐ \$120,000 energy studies donated to Hawaii Energy Policy Forum

☐ 4 benchmark Energy Assessments conducted

- State Capitol
- Farrington High School
- United Laundry
- Saunders Hall at UH Manoa

Energy by Example Findings

- Capitol
 - Potential savings - \$262k
 - Action – DAGS additional study
- Farrington High School
 - Potential savings - \$75k
 - Action – None reported to forum yet
- Saunders Hall
 - Potential savings - \$153k
 - Action – Budget request to do measures submitted
- United Laundry Service
 - Potential savings - \$128k
 - Action – Planning implementation
- Total Savings
 - 3,084,596 kWh
 - 368 kW demand

Energy Efficiency Transportation

- Act 254 of 2007 by the Hawaii Energy Policy Forum and the University of Hawaii at Manoa conducted a study on EE transportation to reduced demand for fuel in Hawaii's transportation sector.
- EE Transportation Strategies Working Group
 - ❑ Voluntary participation by 24 individuals representing 18 organizations
 - County of Hawaii
 - Department of Transportation
 - Office of Hawaiian Affairs
 - County of Maui
 - UH College of Social Sciences
 - Hawaii State AFL-CIO
 - Hawaii Automobile Dealers Association
 - Department of Health
 - DBEDT
 - Hawaii Natural Energy Institute
 - Research Corporation of the University of Hawaii
 - Energy Industries
 - Oahu Metropolitan Planning Organization
 - Honolulu Clean Cities
 - Hawaii Center for Advanced Technologies / HTDC
 - County of Kauai
 - Tesoro Hawaii Corporation
 - County of Honolulu
 - ❑ Procured and contracted with Parsons Brinckerhoff Quade and Douglass, Inc.
- Group met formally 4 times

Energy Efficiency Transportation

➤ Findings:

- Lack of consistent, reliable and detailed data
- Data is fragmented and scattered through state and county departments

➤ Suggestions:

- Gather and evaluate fragmented data
- Identify gaps in data
- Develop and test models
- Develop statewide transportation energy information and monitoring system

➤ Requests:

- \$175,000 legislative appropriation to continue efforts.