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.