

## Hawaii Energy Policy Forum

### Hawai'i Energy Policy Forum - Act 254 Working Group Meeting

- March 25, 2008 - 10:00 am to 1:30 pm - Outrigger Canoe Club

#### **In Attendance:**

Tom Brown, James Burke, Mitch Ewan, Gordon Lum, Sharon Miyashiro, Tom Quinn, David Rolf, Gareth Sakakida, Robert Tam, Lance Tanaka, Maria Tome

Resources/Staff: Makena Coffman, Peter Flachsbart, Chelsea Phlegar, Kim Suman, Susan Char

#### **Status of Legislation (HB2003 SD1) & Budget (Sharon Miyashiro)**

The legislation is moving to Ways and Means and will be up for a hearing soon. A copy of the bill has been distributed in the meeting handouts. The two funding bills submitted originally by HEPF this session (one for EE transportation and one for overall HEPF funding) have now been combined into one bill.

A budget of \$175,000 was proposed in the bill. A copy of this budget is provided in the meeting handouts also. A possible funding alternative is the Transportation, Community and System Preservation program administered by the Federal Highway Administration which provides planning grants. An info sheet for this program is also included in the meeting handouts. Glenn Soma, State DOT, is exploring who should be the State DOT point of contact for this program. It will likely be someone in DOT Highways. There may be access to other federal funding for planning but likely only for Oahu. As long as our contracts are set up with Oahu separated out from the neighbor islands, we can seek this kind of funding.

#### **Hawaii Clean Energy Initiative (Maria Tome)**

This powerpoint presentation is available on DBEDT's website and was presented by Ted Liu at the recent general HEPF meeting on March 7, 2008 at the Capitol. A review of the slides is given below:

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Slide 1: We are a manageable size to do some interesting things via the State of Hawaii's new partnership with the DOE. This is why the DOE is interested.

Slide 2: 70% renewable energy by 2030 (within one generation) is the preliminary goal. However, the numbers are still being defined. Indications are that this goal does not include jet fuel use.

Slide 3: The initiative is considered an open source learning opportunity. If it can be done here, it can be done in other locations. Hawaii is the only state so far with an MOU executed with DOE that is a statewide planning effort.

Slide 4: The core partnership is between DOE and the State of Hawaii. DBEDT has been assigned to take the lead. It is hoped that other federal agencies such as the DOD and USDA will join the effort.

Slide 5: There are 4 working groups:

- 1) End Use Efficiency
- 2) Electrical Generation
- 3) Energy Delivery
- 4) Transportation - Maria is co-chair

Funding will go to projects that fall into these 4 categories.

Slide 6: The MOU has commitments by DOE, the State of Hawaii as well as joint commitments

Slide 7: Partners and Participants (three different parts):

- 1) Working groups
- 2) Projects
- 3) Policies

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Slide 8: Time Frame – Launched 1/31/08 with signing of the MOU, the 4 working groups are meeting this week. Most people on the transportation WG are biofuels people (no meeting as of yet for transportation).

Projects: The electrical and transportation systems are bounded by island and, therefore, can be modeled more accurately.

- Grid integration for high penetration renewables
- Energy storage solutions for renewable energy
- Net zero energy homes and communities, military housing is one place this is happening because companies building are also managing for 50 years
- Bioenergy feedstock and biorefinery development
- Distributed generation
- Advanced transportation technology demonstrations – i.e. plug-in hybrid vehicles

The working groups will determine the actual projects, timeline, participants, scope, etc. WG info will likely be shared as the process develops further.

Slide 9: Four WGs and the Steering Committee (elected officials?)

Slide 10: WGs and Projects: We are trying not to have the same people assigned to everything. The clean energy transformation will require energy efficiency as well as displacement of fossil fuels with renewable energy to achieve the goal of 70% renewable by 2030. Funding may not be included in this initiative but because the lines of communication have been opened, Hawaii will be in a good position if/when funding does become available. We need to be optimistic rather than cynical about the initiative. Hopefully there can be some integration with the city's 21st Century Ahapua'a plan.

### **Makena Coffman/Peter Flachsbart Presentations**

Makena's Presentation:

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- Value of time is not taken into account with the equation but should it be?
- If we do a survey, could include a question regarding the value of time
- Re: carpooling: census info indicates Hawaii has highest % utilization of carpooling in the nation due to several family units in the same household.
- Re: survey: how do you correlate factors of travel time versus value of time? It is very expensive to collect this kind of information. OMPO previously spent \$1,000,000 to obtain 4000 samples of this kind of info. Each interview took 45 minutes.
- Re: distance: further out you go, the cheaper the housing is, however, if you are looking at low income they are outside the urban core whereas richer people are downtown.
- Cost and travel time are the 2 main factors. Gordon Lum will provide the previous survey results to Makena Coffman.
- James Burke will provide survey info (bus data from an onboard bus survey)
- James Burke indicated Pearl Harbor naval shipyard is paying employees to choose not to park (maybe \$100 or more/month).

### Peter's Presentation:

- OMPO will include energy measures in their 2035 plan update.

### **Next steps**

- Next meeting will likely be after session is over
- May form a smaller working group to look at specific items
- The info that was presented today was really good, very informative
- Are there other studies similar to ours that have successfully applied what they learned/developed? It may be more important to just make sure we develop info that can be used and make sure it is used.