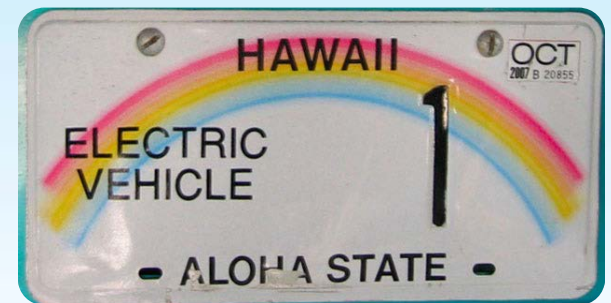


Hawaii State Energy Office

Act 164 - Working Group Meeting
November 16, 2015



November 16, 2015

AGENDA

Call to order. Working Group member and attendee introductions

Overview of Working Group goals and schedule

October 28 Meeting Requested Follow Up

Discussion and/or Vote on Findings from Oct 28th meeting

Next Steps

Adjourn



Act 164: Working Group Goals

- **Address** the installation of EV charging systems at apartments, condominiums, cooperative housing corporations, and planned community associations.
- **Examine** the issues regarding requests to the board of directors of an association of apartment owners, condominium association, cooperative housing corporation, or planned community association for the installation of EV charging systems.
- **Report** findings and recommendations, including any proposed legislation, to the legislature no later than twenty days prior to the convening of the regular session of 2016.



Timeline to Meet Statutory Deadline

Dec. 4: Draft report provided to Working Group

Dec. 11 :Working Group members send edits/comments

Dec. 16: Final report submitted to Working Group

Dec 18 : Meeting for final report signoff

Dec. 31: Submission to Legislature according statutory deadline

Sunshine laws require posting meeting agenda 6 days in advance



October 28 Meeting: Summary and Highlights

Working Group meeting documents are posted to the
Hawaii State Energy EV web page

<http://energy.hawaii.gov/testbeds-initiatives/ev-ready-program/laws-incentives>



The screenshot shows the website for the Hawaii State Energy Office, part of the Department of Business, Economic Development and Tourism. The page is titled "STATE AND FEDERAL LAWS & INCENTIVES" and includes a navigation menu with options like Home, Developer & Investor Center, Testbeds & Initiatives, Renewable Energy, and Energy Efficiency. The main content area features a breadcrumb trail: Home » Testbeds & Initiatives » Electric Vehicles in Hawaii » State and Federal Laws & Incentives. Below this, there is a reference to the "Alternative Fuels Data Center" and a section for "Act 164: EV Charging Station Multi-Unit Dwelling Working Group" with links to "Act 164/SB 1316 2015", "Working Group Agenda", "Working Group Summary", and presentations from the "Hawaii State Energy Office", "Co-Star Group", and "Hawaii EV Partnership".



October 28 Meeting: Summary and Highlights

- Sub Metering Explanation
- Hawaii EV Partnership Case Study
- Existing buildings vs New Construction
- Building Codes
- Funding Needed to Support EV Charging Installations
- Funding pathways discussion: Applying Public Benefit Fund: Efficiency upgrades for EV charging
- Enabling Legislation
- Important Nexus: Workplace Charging & MUD Charging
- Proposed program requires flexibility, how to accommodate “legacy” or prohibitive existing buildings
- Hawaiian Electric- Program to support EV charging infrastructure installations
- Review SB 1316
- Extend Working Group Proposal



October 28 Meeting Follow Up: SB 1316

"§421I- Electric vehicle charging system installation requests; board of directors approval or approval with reasonable restrictions. (a) Within sixty days of receipt of a shareholder's complete request for approval to install an electric vehicle charging system, the board of directors shall make a decision to approve, or approve with reasonable restrictions, the shareholder's request. The shareholder's request shall not be deemed complete unless information on the cost and impact of the installation is included with the request.

To ensure comprehensive and accurate cost and impact of installation, the board should consider:

(1) Supporting documentation on the current transformer load capacity; and

(2) A current energy audit to ascertain if the electrical system to which the electric vehicle charging station will be connected is capable of handling the increased demands of the system in addition to the current demands of the system.

- Concern language contradicts current EV MUD law
- Concern language lacks definitions
- Concern vague & ambiguous language may lead to disputes between MUD and EV driver
- Concerns regarding financial liability/ obligation / equity / fairness
- Concern the 60 day time limit on the approval process contained “no back up of enforcement.”
- Concern language not applicable to the Declarations, Covenants and Restrictions of PCAs under 421J
- Confusion and provide contradictory requirements that would leave PCAs open and subject to become involved in unnecessary litigation ...



October 28 Meeting Follow Up: Utility Programs

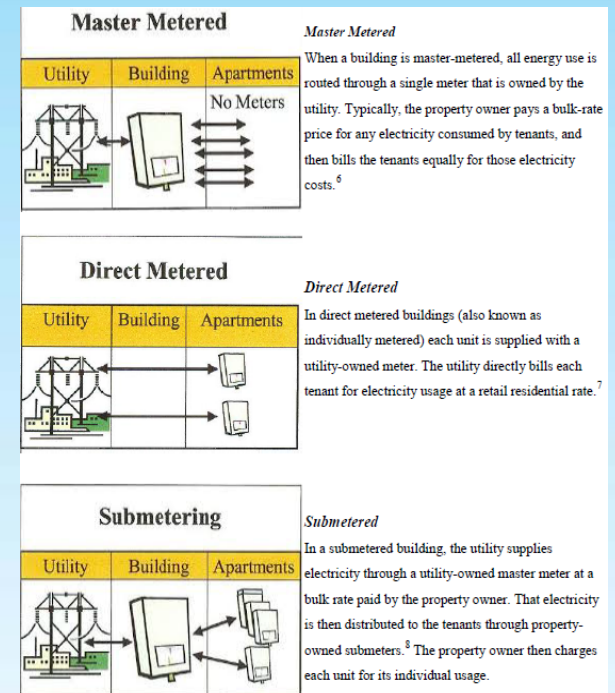
Utility Sponsored California Programs

California utility sponsored programs include working to develop residential EV procedures, planning for local infrastructure enhancements, providing time-of-use rates and meter options and working in partnerships to demonstrate public infrastructure programs.

These programs include:

- >>California Municipal Utilities Association
- >>Los Angeles' Department of Water and Power
- >>Pacific Gas & Electric Company
- >>Sacramento Municipal Utility District
- >>San Diego Gas & Electric
- >>Southern California Edison
- >>Plug-In Electric Vehicle Resource Center

Utility Sub Meter Program



October 28 Meeting Follow Up: Public Benefit Fund

Hawaii Energy PBFA Contract July 1, 2015 – June 30, 2016

Search for Electric Vehicles yields 7 occurrences

Transformational Programs

The budget for the Transformational program includes costs associated with activities that do not immediately produce energy savings, but have long reaching impact on behaviors and future program design.

Electric Vehicle Support

The Program will move its electric car purchase energy-saving kit offer to online fulfillment in PV15. Additionally, the Program will continue broad support for EVs to include:

Raise Awareness - Leidos will continue to incorporate EV messaging into the energy efficiency program work and provide marketing and communications support.

Strategic EV Plan - Leidos has the ability and experience to assist the PUC/HECO/DBEDT /Blue Planet Foundation, to evaluate the issues and opportunities with expanding EV opportunities in Hawaii. Leidos can offer a technical and cost proposal to follow a three-pronged approach to develop best practices, models, and strategies; gather lessons-learned; and create a relevant set of installation guidelines and ordinances through our experience, research and surveys. The Program will also continue supporting various DBEDT and Blue Planet-sponsored EV awareness activities to include participation in EV Partnership meetings, outreach events and providing information as well as other promotional items.



October 28 Meeting Follow Up: Legislative Reference Bureau

The Legislative Reference Bureau prepared early drafts of legislation that would allow the Public Benefits Fee to be used to:

- Promote the use of electric vehicles
- Install and upgrade electric power infrastructure; and
- Install and upgrade electric power infrastructure for the purpose of promoting the use of EVs

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

SECTION 1. Section 269-121, Hawaii Revised Statutes, is amended by amending subsection (b) to read as follows:

"(b) The public benefits fee shall be used to ~~support~~:

(1) Support clean energy technology, demand response technology, and energy use reduction, and demand-side management infrastructure, programs, and services~~(7)~~; and

(2) Promote the use of electric vehicles;

subject to the review and approval of the public utilities commission. These moneys shall not be available to meet any current or past general obligations of the State; provided that the State may participate in any clean energy technology, demand response technology, or energy use reduction, and demand-side

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RELATING TO ELECTRIC VEHICLES.

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12 current or past general obligations of the State; provided that

Additionally the LRB prepared legislation that would extend the end date of the EV Working Group

(d) The working group shall report its findings and recommendations, including any proposed legislation, to the legislature no later than twenty days prior to the convening of the regular session of 2016.

(e) The legislative reference bureau shall assist the working group with its final report to the legislature and prepare any proposed legislation.

(f) The working group shall be dissolved on December 30, ~~[2015]~~ 2016."

SECTION 2. Statutory material to be repealed is bracketed and stricken. New statutory material is underscored.

SECTION 3. This Act shall take effect retroactively on December 29, 2015.



Decision/Vote: Findings & Recommendations

1. Working Group finds that each EV charging station installation within an existing building is a case by case scenario, often associated with complicated issues and challenges which require flexibility in addressing installation solutions
2. Working Group finds there is a need for funding to support the deployment of EV charging infrastructure
3. Working Group finds the Public Benefit Fund may be a viable existing source of funding
4. Working Group finds any legislation introduced should be legally defensible and any language introduced should be written so that it can be supported by MUD boards from a legislative requirement standpoint
5. Working Group finds a utility sponsored program for EV charging infrastructure deployment could also expand options for funding for EV infrastructure



Decision/Vote: Findings & Recommendations

6. Working Group finds utilities should evaluate the deployment of utility sub meters as a means to encourage EV adoption
7. Working Group finds it is necessary to add a section to the report that highlights the potential impacts and benefits of EV charging, including the need to match EV charging demand to supply of renewable energy, and utilizing tools such as time of use rates. The Working Group also finds the final report warrants highlighting that the benefits of EV charging to the energy ecosystem / go beyond any one location / and that workplace and other charging locations should also be explored as a means for furthering EV adoption
8. Working Group finds that market forces, future building codes and customer demands will addresses EV installations in new MUD construction
9. Determine need for Working Group extension
10. Other/ New Recommendations

