

August 15, 2013 MEETING SUMMARY

ITEM #1: WELCOME AND INTRODUCTIONS

Tyler Petersen, California Center for Sustainable Energy (CCSE), called the meeting to order at 1:05 p.m. and welcomed everyone to the San Diego Regional Electric Vehicle Infrastructure Working Group (REVI).

Because the chair and vice chair were absent from the meeting, Chris Schmidt, Caltrans, was nominated to chair.

Joel Pointon, SDG&E, motioned to allow Mr. Schmidt chair the meeting and Mike Grim, City of Carlsbad, seconded the motion. The floor approved.

ITEM #2: ANNOUNCEMENTS

Mr. Pointon noted that SDG&E's next Multi-Unit Dwelling (MUD) workshop is September 17 at 10 AM.

William Barry, car2go, announced that he will be the new representation from car2go at REVI meetings going forward.

Mr. Pointon announced that National Plug-in Day is now combined with Public Day, which is on September 28, 2013.

Mr. Petersen told the group that the REVI-approved fact sheets are now online under the San Diego stakeholders' specific section of the website. <http://energycenter.org/programs/pev-planning/san-diego/resources>. He also mentioned the news of ECOTality's pending bankruptcy will be addressed at the end of the meeting.

Nick Cormier, San Diego Air Pollution Control District, said that the Air District has opened funding for Proposition 1B Goods Movement Emissions Reduction Program. This program could provide up to \$80,000 per zero-emission truck. He urged people to spread the news to regional fleet operators.

Mr. Pointon noted that Clean Vehicle Rebate Project funds may be in danger of running out in September or October.

ITEM #3: MEETING SUMMARY

Mr. Schmidt noted an error in the meeting summary of July 18, 2013 under the "Announcements" section. The summary will be reviewed and approved next meeting.

CONSENT ITEMS

ITEM #4: REGIONAL PEV BARRIERS PROGRESS REPORT

Mr. Schmidt noted that the attached PEV barriers table contains updated information on REVI's progress.

REPORT ITEMS

ITEM #5: BARRIER 1.B: PERMITTING/INSPECTION FOR COMMERCIAL INSTALLATIONS

Mr. Petersen provided the group with background information about electric vehicle supply equipment (EVSE) permitting and inspection for commercial institutions. He encouraged the group to discuss the topic before REVI creates a fact sheet. Mr. Petersen asked Randy Schmika, SDG&E, to comment on the permitting process from a utility point of view.

REVI members provided the following comments:

- Mr. Schimka described that the permitting process for commercial installations is more efficient than it was years ago. There are, however, a few problems that he has seen. One, the customers and jurisdictions are giving SDG&E different addresses for the same meter. Mr. Schimka recommended customers should work with jurisdictions to collect the correct address. Second, ADA requirements should be common and across jurisdictions. He noted the City of San Diego's Technical Policy 11B-1 as a regional best practice. The policy requires that a percentage of parking spaces with EV charging stations in existing or new construction be accessible.
- Anna Lowe, SANDAG, noted that there are unique challenges that exist for different installation projects. Ms. Lowe asked the group to help highlight what these potential hurdles may be.
- Mr. Grim said that it comes down to whether or not jurisdictions want to help subsidize the installation of EVSEs.
- Mr. Petersen asked the group about streamlining the EVSE installation process at commercial locations.
- Mr. Barry said that car2go has been very fortunate in its experience with EVSE. The public EVSE infrastructure is enough and car2go's own charging facilities are sufficient as well.
- Ms. Lowe asked if a fact sheet is needed for this topic.
- Mr. Grim noted it would be useful to share information about commercial installations.

ITEM #6: BARRIER 6: EVSE AT MULTI UNIT DWELLINGS

Allison King, SANDAG, described the fact sheet for building management and MUD tenants interested in installing PEV chargers. Ms. King noted the work SDG&E has accomplished in addressing EVSE installations in MUDs. Ms. King explained that this fact sheet was created to be used in combination with SDG&E's fact sheet on installing EVSE in MUDs.

REVI members provided the following comments:

- Mr. Pointon offered an update about his research with the PEV Collaborative working group on multi-unit workplace environments. The working group has created a survey directed to MUD property owners statewide. The survey is currently live online; it will help SDG&E better pinpoint MUDs that are installing EVSE. Mr. Pointon also noted that the group's guide to MUD charging [a 30-page handbook] is almost complete.

- REVI discussed the best way to approach finding more communities with multi-unit, multi-family dwellings – everything from mobile home parks to high-rise buildings. Many group members cited companies that could keep records of different types of communities.
- Mr. Grim suggested that the fact sheet should include a bullet point that discusses checking in with local planning officials, building management, and owners as part of the process for installing at MUDs.

ITEM 7: BARRIER 7: REGIONAL PLANNING FOR PUBLIC EVSE SITING

Ms. Lowe described the Regional Planning for Public EVSE Siting fact sheet. Ms. Lowe noted the EV Project and its planning and siting process. She further described the importance of the siting process to the regional readiness plan.

REVI members provided the following comments:

- Ms. King noted that the planning was well done considering that a majority of the EVSE sites were placed where planned.
- Mr. Schmidt suggested that there should be some sort of conclusion at the end of the fact sheet.
- Jacques Chirazi, City of San Diego, suggested including the DC fast charger numbers and noting that the installation and planning process for such equipment is much more complicated.
- Mr. Schmidt asked what will happen to the EVSE deployment in the region after the EV Project concludes at the end of 2013.
- Mr. Grim noted that it depends on the maturity of the market.
- Mr. Chirazi said that car2go is the biggest user of the public stations; so, other areas without a fleet such as car2go are seeing their public chargers not experience the same levels of utilization.
- Mr. Schmidt said that Caltrans has received a research grant, in partnerships with the University of California, Berkeley, to evaluate the impacts the car2go program on the region. Further, Mr. Schmidt noted that Mr. Chirazi's point may signify that there is still a severe lack of critical mass for PEVs.
- Mr. Chirazi discussed the potential need for a regional RFP that drives an impetus to increase EVSE at a local level.
- Mr. Schmidt stated that when Energy Commission staff was in San Diego, funds and a mission plan were not an issue. To do an EV Project at the micro [San Diego]-level and fill in the gap is possible. He stated it as a regional need and it should be picked up as a future agenda item.

ITEM #8: PEVs IN GOVERNMENT FLEETS

Mr. Petersen presented the PEVs in Government Fleets fact sheet and highlighted key information within the document.

REVI members provided the following comments:

- Mr. Cormier said that though the SDAPCD primarily deals with vehicle grants, he has noticed that people who obtain zero-emission trucks are often concerned about the infrastructure required to support the vehicle.
- Mr. Schmidt noted that the Caltrans Department of General Services released fleet-specific charging guidelines that tell fleet operators what is needed to get ready for fleet charging. Mr. Schmidt said that peer-to-peer exchanges on this information are vital to encourage fleet managers to adopt new technology.
- Jenny Lybeck, Port of San Diego, agreed with Mr. Schmidt and said that when the Port got its electric fleet that they held a test drive event for staff, which helped people accept the technology.
- Mr. Chirazi said that San Diego has held biodiesel forums that let people speak about their experience with biodiesel vehicles, which proves to be very powerful.
- Mr. Petersen asked if there are any other local public agencies that have adopted PEVs. There were no examples given.
- Ms. Lowe said that it is possible to add another section to highlight local big businesses that have adopted an electric fleet (such as Frito-Lay and FedEx).
- Mr. Grim said that it is important to focus on private fleets because they have more potential for uptake than the public sector, unless a significant incentive were available.
- Mr. Grim motioned that the group accept Items 6, 7, and 8. Ms. King seconded the motion and the motion passed unanimously.

ITEM #9: REVISED DRAFT PEV READINESS PLAN OUTLINE

Ms. Lowe discussed the outline briefly and noted that changes may be made to the structure as they [SANDAG and CCSE] move forward with the writing. She urged REVI members to let her know if there is an issue with the outline or its content.

REVI members provided the following comments:

- Mr. Schmidt reminded the group that the September meeting will have more content ready to be reviewed.
- Mr. Chirazi noted that in “Basics of PEV and Charging Infrastructure”, energy storage and solar-to-EV are important to address. San Diego has some examples of this.
- Ms. Lowe reminded the group that Mr. Schmidt had brought up the idea of testimonials for the document. Such testimonials will be added to the document.
- Mr. Schmidt said that it may be necessary to have a longer meeting in September for robust feedback. He added that October 9th is the public workshop date, which would be a two-hour workshop that could include presentations and then a workshop afterwards. He further stressed that power point presentations are useful to approach the September meeting and October public workshop.
- Mr. Petersen noted that the plan is targeted for REVI members’ colleagues, for planners, etc. and asked REVI members to spread the news about the public workshop.

- Mr. Pointon and Mr. Grim both noted the potential for advertising the public workshop at Public Day during Plug-In Day.
- The group agreed that the September 19th meeting will be two hours long; it will be spent reviewing the actual Readiness Plan components. The public workshop will follow on October 9th.

ITEM #10: MATTERS FROM MEMBERS

The group decided to discuss the recent news about ECOtality.

Ms. King provided a brief overview of what ECOtality has reported in their 8-K. The company does not have the sales volume that was anticipated, the Department of Energy has suspended further payments to the company, and they cannot fulfill obligations under the EV Project.

Mr. Petersen lamented that this news is negative PR for the industry. Mr. Petersen asked if there are thoughts for how to discuss this information with others.

Mr. Schmidt declared that the EV Collaborative should be taking the lead on what to say about the issue.

The group further discussed ECOtality and that it may be a desirable opportunity for someone to take over the EV Project infrastructure. Many group members lamented about contracts that had been signed with ECOtality. The group discussed how to handle worst-case scenarios and ultimately decided that the creation of a sub-committee for further strategizing is necessary.

ITEM #11: NEXT MEETING

The next REVI meeting is scheduled for Thursday, September 19, 2013 at the SDG&E Energy Innovation Center, 4760 Clairemont Mesa Blvd, San Diego, CA 92117.

ITEM #12: ADJOURNMENT

The meeting was adjourned at 2:32PM.

REVI Voting Member Attendance August 15, 2013

REPRESENTATION		NAME	MEMBER / ALTERNATE	ATTENDING
South County Subregion	City of Chula Vista	Brendan Reed	Member	NO
	City of Imperial Beach	Chris Helmer	Alternate	NO
North County Coastal Subregion	City of Del Mar	Ramsey Helson	Member	NO
	City of Carlsbad	Mike Grim	Alternate	YES
North County Inland Subregion	City of Escondido	Kathy Winn	Member	NO
	Vacant	Vacant	Alternate	-
East County Subregion	City of Santee	Kathy Valverde	Member	NO
	City of La Mesa	Scott Munzenmaier	Alternate	NO
City of San Diego		Jacques Chirazi	Member	YES
		Vacant	Alternate	-
County of San Diego		Peter Livingston	Member	NO
		Susan Freed	Alternate	NO
San Diego Association of Governments		Susan Freedman, Chair	Member	NO
		Allison King	Alternate	YES
San Diego Regional Airport Authority		Paul Manasjan	Member	NO
		Brett Caldwell	Alternate	YES
Caltans, District 11		Chris Schmidt	Member	YES
		Vacant	Alternate	-
Unified Port District of San Diego		Michelle White	Member	NO
		Jenny Lybeck	Alternate	YES
San Diego Gas & Electric		Joel Pointon	Member	YES
		Randy Shimka	Alternate	YES
California Center for Sustainable Energy		Mike Ferry, Vice Chair	Member	NO
		Colin Santulli	Alternate	NO
University of California, San Diego		Dave Weil	Member	NO
		Jim Ruby	Alternate	NO
Miramar College, Advanced Transportation Technology and Energy Program		Greg Newhouse	Member	NO
		Vacant	Alternate	-
San Diego Electric Vehicle Network		Randy Walsh	Member	NO
		Vacant	Alternate	-
National Electrical Contractors Association		Karen Prescott	Member	NO
		Tim Dudek	Alternate	NO
International Brotherhood of Electrical Workers Local 569		Micah Mitrosky	Member	NO
		Vacant	Alternate	-
ADVISORY MEMBERS				
Department of Defense		Chris Parry		NO

REPRESENTATION	NAME	MEMBER / ALTERNATE	ATTENDING
San Diego Air Pollution Control District	Mike Watt		NO
	Nick Cormier		YES
Metropolitan Transit System	Claire Spielberg		NO
City of Coronado	Bill Cecil		YES
City of Encinitas	Diane Langager		NO
City of National City	Ray Pe		NO
City of Solana Beach	Dan King		NO
City of Vista	Lyn Dedmon		NO
Ecotality	Andy Hoskinson		NO
Car2go	Mike Cully		NO
Aerovironment	Charlie Botsford		NO
Coulomb Technologies	Colleen Quinn		NO
General Electric	David Wang		NO

Others in Attendance

Anna Lowe, SANDAG

Tyler Petersen, CCSE

Jessica Jinn, CCSE

Molly Ash, Cuyamaca Community College

Paul Bussell, Ladybug Electric

Will Berg, car2go

Rebecca Robinson, City of Chula Vista

Bruce Bekkar, Equinox Center

Jeff Wyner

Michael Biediger, Equinox Center

Lawrence Emerson