

San Joaquin Valley Plug-in Electric Vehicle Coordinating Council

*Meeting #3
April 4, 2013*



San Joaquin Valley Plug-in Electric Vehicle Coordinating Council

Meeting #3 | April 4, 2013 | 10:00 a.m. – 12:00 p.m.

Announcements and Public Comments

All

Summary of March 7, 2013 Meeting

Jessica Thoma, CCSE

- ✓ Updated PEVCC Goals
- ✓ Training and Education for Municipal Staff and Electrical Contractors
- ✓ Lack of Public Knowledge of PEV and EVSE

Regional PEV Readiness Plan Development

SJV PEVCC Members & Tyler Petersen, CCSE

- ✓ Permitting/Inspection
- ✓ PEV Charging – TOU Utility Rates and Grid Impacts
 - ✓ Southern California Edison presentation
 - ✓ City of Lodi Electric Utility presentation

Barrier topics for May 2, 2013 Meeting

SJV PEVCC Members

Announcements & Public Comments

SJV PEVCC Meeting Summaries

✓ Download PDF at www.energycenter.org/pluginready

Includes:

- ✓ Detailed meeting notes
- ✓ Attendee list
- ✓ Links to resources

SJV PEVCC Goals

- ✓ Increase education and outreach to municipalities and consumers
- ✓ Conduct outreach to local governments to recommend integration of PEV and EVSE policies into **local and** regional transportation and land use plans
- ✓ Provide tools and resources to assist counties, cities, and communities in the region become PEV ready
- ✓ Create and publish recommendations and best practices through on-line information sheets for Valley jurisdictions and consumers
- ✓ Communicate and coordinate regularly with surrounding regions regarding best practices

Training & Education for Municipal Staff & Electrical Contractors

- ✓ Review of compiled recommendations for PEV training & education, and PEV education & outreach avenues
- ✓ Review of local Climate Action Plan & Sustainability Action Plan document

Lack of Public Knowledge of PEV and EVSE

- ✓ Review draft presentations

Elected Officials & Community Presentation Summary

Elected Officials

- What is the SJV PEVCC?
- Why is the SJV PEVCC Important?
 - SJV air quality issues
- Where are PEV's located in the SJV?
- What is a PEV?
- What are the economic benefits of PEV's?
 - Summary of incentives

Community

- What is a PEV?
- What are the economic benefits of PEV's?
 - Summary of incentives
- What is the SJV PEVCC?
- Why is the PEVCC important?
 - SJV air quality issues
- Where are the PEV's located in the SJV?

Regional PEV Readiness Plan Development



PEV Permitting/Inspection

SJV Readiness Assessment Recommendations

- ✓ Regional Adoption of EVSE Permitting and Inspection Guidelines for Residential EVSE Installations
- ✓ Develop Express Permitting for Simple Residential EVSE Installations, Waive Plan Check Requirement for these Permits
- ✓ Develop EVSE Permit Municipality-Utility Communication Channel

SECTION 6: PERMITTING AND INSPECTION

This section focuses on the permitting and inspection processes for the installation of residential and non-residential EVSE in the San Joaquin Valley. The first part recognizes the barriers and potential policy gaps toward creating local permitting and inspection requirements for EVSE from the San Joaquin Valley PEV readiness survey. The next part provides a summary of the actions taken to date addressing permitting requirements for PEVs in the San Joaquin Valley. In order to tackle the identified barriers, the final part outlines concise recommendations to streamline EVSE permitting and inspection processes for jurisdictions in the San Joaquin Valley.

Policy Gaps and Areas for Improvement: Permitting and Inspection

Fourteen jurisdictions in the San Joaquin Valley region completed the permitting and inspection section of the

PEV readiness survey. This is roughly 22% of the 64 cities and counties originally contacted to complete the survey. Based on the results on this section, we have identified there is a definitive need for jurisdictions to be exposed to best practices of other agencies' permitting and inspection requirements for EVSE. The following table highlights the results.

Participating Jurisdictions in the San Joaquin Valley: Cities of Lemoore, Tracy, Fresno, Tulare, Patterson, Lodi, Kingsburg, Orange Cove, Sanger, McFarland, Newman, Modesto and Turlock and the County of San Joaquin

Note: The City of Tulare had two individuals provide separate responses for their jurisdiction, each was credited. This information is based on surveys completed in 2017, some cities may have begun working on PEV readiness since the survey was implemented but this will not be reflected in the section below.

Assessing Permitting and Inspection of EVSE in the San Joaquin Valley

Percent*	Agency Assessment
0%	Agency has already adopted requirements for EVSE that we feel would be a best practice example for the state of California
7%	Agency is in the process of adopting requirements for EVSE (Fresno)
27%	Agency is looking at other agencies' requirements for EVSE to determine what is best for their jurisdiction (Tulare, Sanger, Turlock, County of San Joaquin)
7%	Agency requires further information to determine requirements for EVSE (Lodi)
7%	Agency has only started to consider how to adapt requirements for EVSE (Lemoore)
53%	Agency has not started to look at how to adapt requirements for EVSE (Tracy, Tulare, Patterson, Kingsburg, Orange Cove, McFarland, Newman, Modesto)

*All percentages are rounded to the nearest whole number as a result, the total percentage may not equal 100%

REGIONAL PEV READINESS PLAN — PHASE ONE

PEV Charging: Time-of-Use Utility Rates and Grid Impacts

- ✓ Southern California Edison presentation
- ✓ City of Lodi Electric Utility presentation

Barrier Topics for May 2nd Meeting

- ✓ Workplace Charging
- ✓ Updating Building Codes for EVSE

Agenda Item XX

Progress on Regional PEV Barriers		
Barriers/Solutions Being Addressed by Statewide Department of Energy PEV Project and SJVPEVCC		
Barrier	Progress on Solutions – Preparation of Guidance Materials	Priority/Action Items
1. Permitting/Inspection Lack of streamlined permitting and inspection processes and inconsistent (high) costs across jurisdictions.	<ul style="list-style-type: none"> • Barrier identified in San Joaquin Valley Plug-In Electric Vehicle (SJVPEV) Readiness Plan (pg. 25 - 32) • To be updated as project develops 	<ul style="list-style-type: none"> • N/A
2. Building Codes Lack of standard building codes that accommodate charging infrastructure or dedicate circuits for charging infrastructure in new construction and major renovations.	<ul style="list-style-type: none"> • Barrier identified in SJVPEV Readiness Plan (pg. 33 – 38) • To be updated as project develops 	<ul style="list-style-type: none"> • N/A
3. Zoning and Parking Rules Lack of standard regional ordinances that facilitate the installation and access to publicly available charging infrastructure.	<ul style="list-style-type: none"> • Barrier identified in SJVPEV Readiness Plan (pg. 19 – 24) • To be updated as project develops 	<ul style="list-style-type: none"> • N/A
4. Training and Education for Municipal Staff and Electrical Contractors Lack of knowledge about PEVs and EVSE	<ul style="list-style-type: none"> • Barrier identified in SJVPEV Readiness Plan (pg. 39 – 42) • To be updated as project develops 	<ul style="list-style-type: none"> • N/A
5. Lack of Public Knowledge of PEV and EVSE Municipal outreach to Local Residents and Businesses	<ul style="list-style-type: none"> • Barrier identified in SJVPEV Readiness Plan (pg. 43 – 47) • To be updated as project develops 	<ul style="list-style-type: none"> • N/A

SJV PEV Readiness Plan Key Deliverables

Task Name & Product	Due Date
Draft PEV Readiness Plan	11/8/2013
Draft Public Workshop Materials	12/13/2013
Final PEV Readiness Plan	2/3/2014
Final Public Workshop Materials	3/3/2014

Thank You!

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