

# *San Joaquin Valley Plug-in Electric Vehicle Coordinating Council*

*Meeting #6  
July 11, 2013*



# San Joaquin Valley Plug-in Electric Vehicle Coordinating Council

*Meeting #6 July 11, 2013 | 1:30 p.m. – 3:30 p.m.*

Announcements and Public Comments

All

Summary of June 10, 2013 Meeting

Jessica Jinn, CCSE

- ✓ EVSE 101
- ✓ EVSE at Multi-Unit Dwellings (MUDs)
- ✓ EVSE Installation & Inspection Guidelines

Plans to attract services of PEV development in region

SJV PEVCC Members

- ✓ UPS and its delivery truck program
- ✓ Electric Vehicle International, EV manufacturer in Stockton, CA

Public Agency EVSE Installations

SJV PEVCC Members & Tyler Petersen, CCSE

- ✓ City of Lodi public EVSE installations
- ✓ Review RFP template for public agencies

Rob Lechner, Lodi Electric

Regional Planning for public EVSE siting

SJV PEVCC Members & Tyler Petersen, CCSE

- ✓ Introduce UC Irvine's model for siting PEV infrastructure

Barrier Topics for August 2013 Meeting

# Announcements & Public Comments

# SJV PEVCC Meeting Summaries

✓ Download PDF at [www.energycenter.org/pluginready](http://www.energycenter.org/pluginready)

## Includes:

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

# PEVCC Recommendations for EVSE 101

- ✓ PEV owners are knowledgeable about charging technology. Next step will be to educate PEV owners about differences in charging rates
- ✓ Non-PEV drivers parked in PEV-designated spots should face some sort of penalty
- ✓ There should be a universal card system for use across charger networks



## PEVCC Recommendations for EVSE at Multi-Unit Dwellings (MUDs)

- ✓ Property managers will need guidance on how to handle issues regarding installing and using EVSE on their property
- ✓ Having a pay-for-use meter could be a solution for handling a charging station in the common parking lot

# PEVCC Recommendations for EVSE Installation and Inspection Guidelines

- ✓ EVSE suppliers should be an important part in the installation process; businesses, public agencies, and consumers need to account for cost when planning for installation
- ✓ Due to the diversity that exists within the agriculture sector, different fleet types should be assigned to different groups
- ✓ Creating more Valley-specific incentives for EV delivery trucks could be useful for encouraging PEV adoption

# PEV Development in the Region

Mike Britt, UPS





# PEV Development in the Region

## Electric Vehicle International (EVI)

### Company Overview

- ✓ Based in Stockton, CA
- ✓ EVI is a leading manufacturer of alternative energy vehicles specializing in battery electric vehicles and range extended electric vehicles.
- ✓ Offers conversion services to medium and large sized fleets
- ✓ Deployed 100 zero-emissions UPS trucks in CA

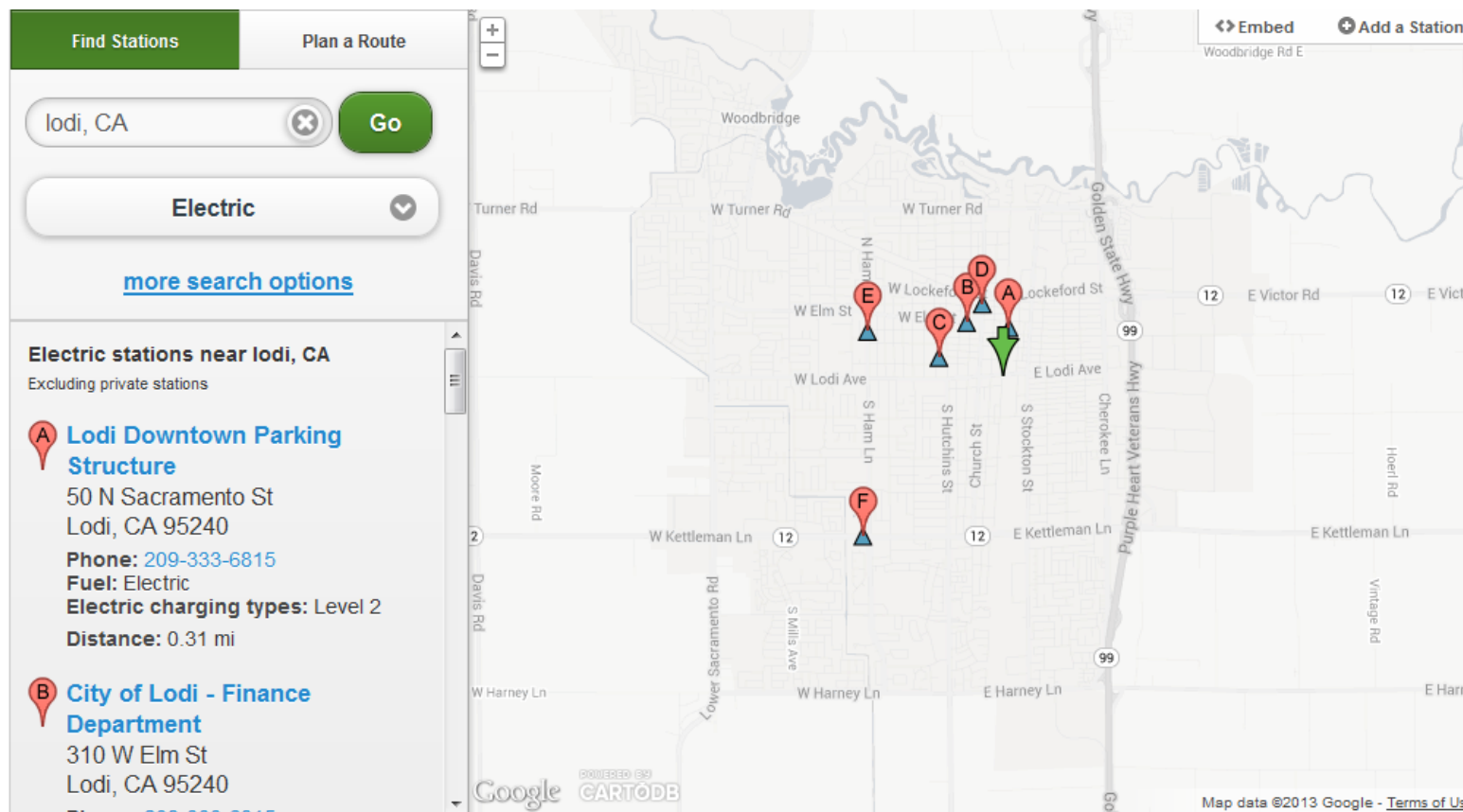
Source: EVI ([www.evi-usa.com](http://www.evi-usa.com))



Photo Source: Green Auto Blog ([green.autoblog.com](http://green.autoblog.com))

# Public Agency EVSE installations

## Rob Lechner, Lodi Electric



**Find Stations** | Plan a Route

lodi, CA

Electric

[more search options](#)

**Electric stations near Lodi, CA**  
Excluding private stations

- A Lodi Downtown Parking Structure**  
50 N Sacramento St  
Lodi, CA 95240  
Phone: 209-333-6815  
Fuel: Electric  
Electric charging types: Level 2  
Distance: 0.31 mi
- B City of Lodi - Finance Department**  
310 W Elm St  
Lodi, CA 95240  
Phone: 209-333-6815

Map data ©2013 Google - [Terms of Use](#)

Source: Alternative Fuels Data Center ([www.afdc.energy.gov](http://www.afdc.energy.gov))

[www.energycenter.org](http://www.energycenter.org)

# Public Agency EVSE installations RFP Template

San Joaquin Valley Plug-in Electric Vehicle Coordinating Council Best Practice

## **REQUEST FOR PROPOSAL (RFP) TEMPLATE**

### ***Installation and Operation of Electric Vehicle Charging Stations***

The following is a Request for Proposal (RFP) template that provides recommended headings and proposal language to assist in the issuance of an RFP for Electric Vehicle Charging Stations. In the outline, a brief summary is provided for each heading and this information can and should be customized for each individual RFP. This outline was created based off of information gathered from RFP's drafted by the City of Chula Vista and the City of Long Beach.

**Disclosure:** *Proposals shall be kept confidential until a contract is awarded. The <insert jurisdiction> reserves the right to request clarification of any proposal term from prospective vendors. Selected vendor(s) will be notified in writing. Any award is contingent upon the successful negotiation of final contract terms. Negotiations shall be confidential and not subject to disclosure to competing vendors unless and until an agreement is reached. If contract negotiations cannot be concluded successfully, the <insert jurisdiction> reserves the right to negotiate a contract with another vendor or withdraw the RFP. Any contract resulting from this RFP shall not be effective unless and until approved by the <insert jurisdiction Council>.*

#### **1. Overview of the Project**

Requesting proposals from vendors to fully fund, design, install, operate, maintain, market, and potentially remove electrical vehicle (EV) charging stations, also known as Electric Vehicle Supply Equipment (EVSE), on publically-owned property for public use. This work will also include assisting the jurisdiction in identifying ideal site locations for the EVSE installations.

#### **2. Acronyms/Definitions**

A glossary of the necessary acronyms and definitions used throughout the RFP (e.g. "Vendor" – Organization/individual submitting a proposal in response to this RFP)

#### **3. Scope of Project**

The Scope of the Project is as follows:

- o Provide attractive and well-maintained EVSE.
- o Cover all costs associated with installation, maintenance, and electricity for the EVSE. The vendor may establish a service charge and method of payment collection to recoup these costs as well as any operating profit from EVSE users.
- o Identify siting locations, including physical address, project site (landmark location), reasoning behind the location selection, and accompanying notes.
- o Provide proper EV parking signage and reconfiguration of any parking stalls for EV parking.

- o Market the project as well as provide product advertisement.
- o Offer options for EVSE when the agreement expires (e.g. charging unit removal, transfer of ownership, contract renewal options).
- o The <insert jurisdiction> to provide the required parking spaces to accommodate the EVSE within the parking facilities at no cost to the vendor.

#### **4. Additional Considerations**

- A. The vendor must agree to insurance and liability requirements (scope and coverages) set by the jurisdiction and state such in its proposal.

<Jurisdiction to insert summary of applicable insurance and liability requirements here and/or can attach full description to end of this template.>

- B. <Jurisdiction can add any additional considerations here. For example, if City offers/restricts use of advertisements on or around EVSE.>

#### **5. Submittal Instructions**

For questions regarding this RFP, submit all inquiries via email to <insert email address> by <insert due date>. Responses to the questions will be posted <insert where responses will be made available> no later than <insert date>. All proposers are recommended to visit the above mentioned <insert jurisdiction> website on a regular basis as responses will be posted when available.

#### **Proposal Evaluation Process Timeline**

<b>TASK:</b>	<b>DATE/TIME:</b>
Deadline for submitting questions	<Insert date>
Answers to all questions submitted	<Insert date>
Deadline for submission of proposals	<Insert date>
Evaluation period	<Insert date>
Selection of vendor	<Insert date>

**NOTE:** *These dates represent a tentative schedule of events. The <insert jurisdiction> reserves the right to modify these dates at any time, with appropriate notice to prospective vendors.*

Vendors shall submit one (1) original proposal marked "ORIGINAL" and four (4) identical copies to the following:

<Insert Jurisdiction Name>  
<Insert Contact Name>  
<Insert Address>

Proposals shall be clearly labeled in a sealed envelope or box as follows:

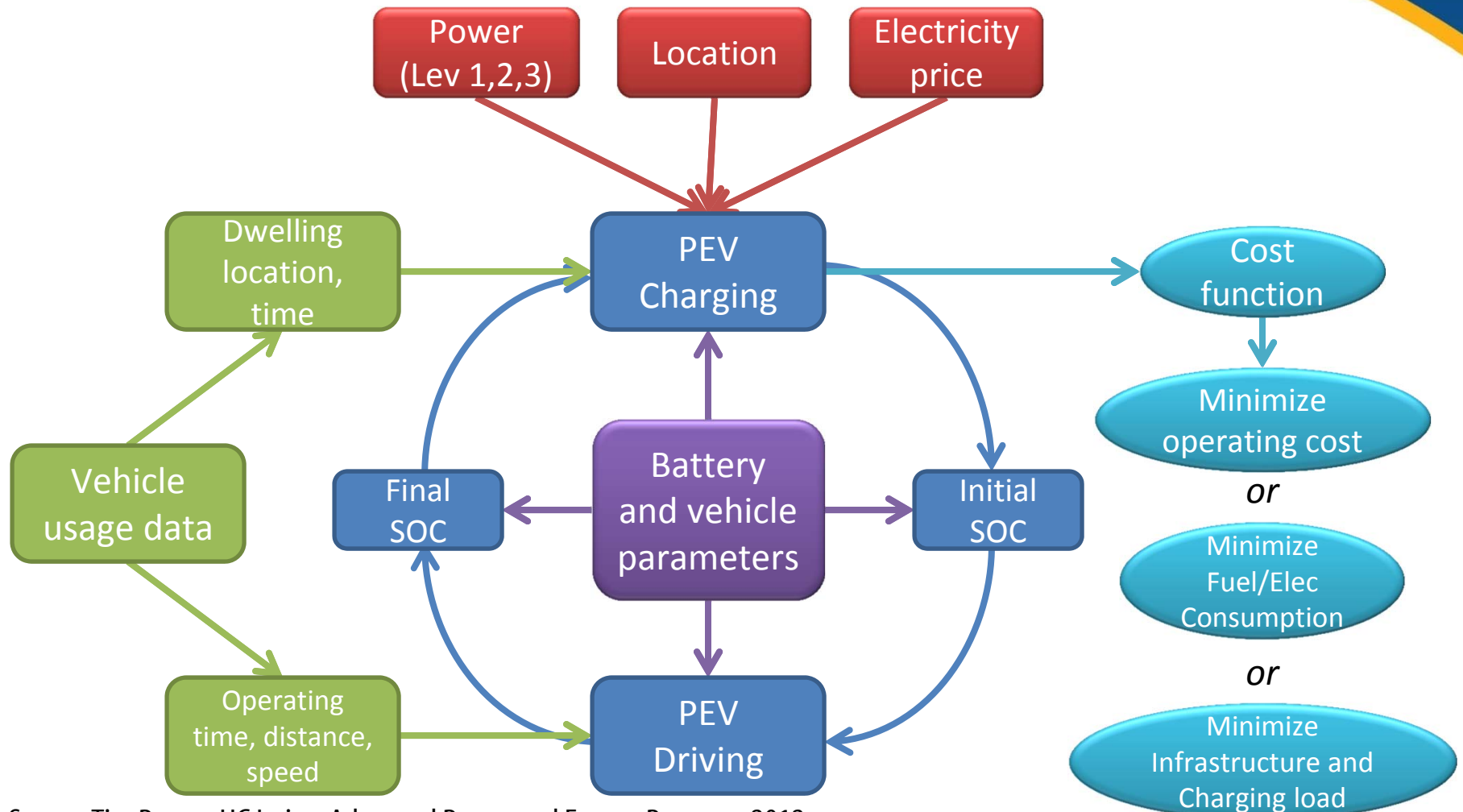


# Regional PEV Readiness Plan Development



# EVSE Siting Model

## Modeling Approach for PEV Infrastructure

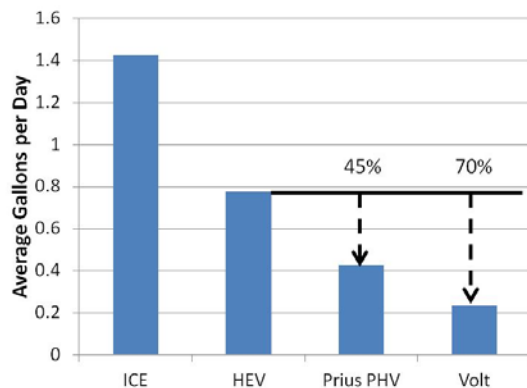


Source: Tim Brown, UC Irvine, Advanced Power and Energy Program, 2012

# Modeling Results for PEV Infrastructure

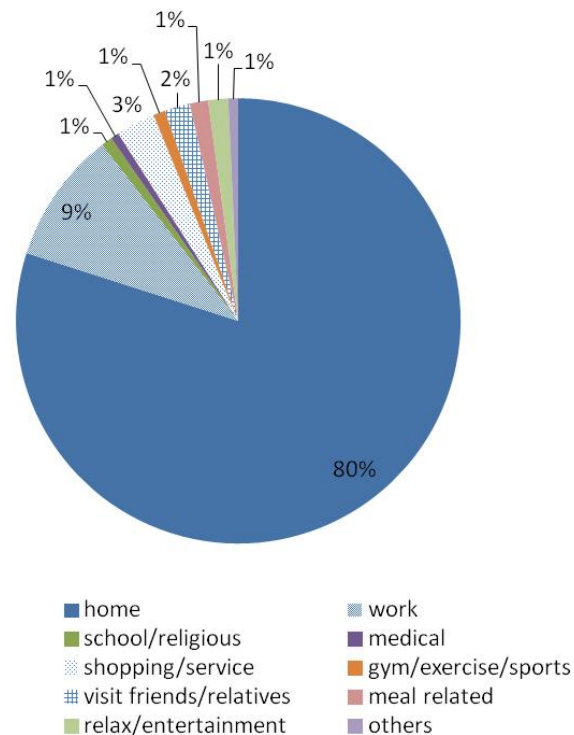
## Level 1

- At home Level 1 is all that is needed for PHEVs
- E.g. Chevy Volt can achieve 70% reduction in gasoline consumption (compared to HEV) with only Level 1 at home



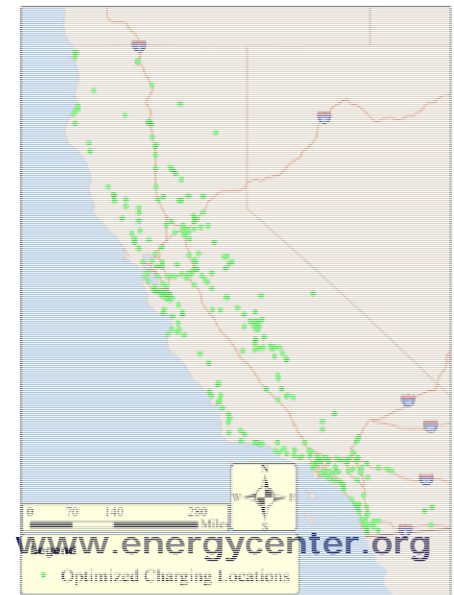
## Level 2

- At-home Level 2 is critical to enable BEVs
- E.g. 8-1-1 is ideal Level 2 EVSE distribution



## Level 3

- Level 3 provides “safety net” for BEV drivers
- E.g. 290 Level 3 locations in CA (plus home charging) can enable 98% of drivers to use BEVs



Source: Tim Brown, UC Irvine, Advanced Power and Energy Program, 2012



# PEVCC August Meeting

- ✓ Next meeting is August 1, 2013
- ✓ Barrier topics
  - ✓ Promotion of PEVs in government fleets
  - ✓ Leveraging renewable energy in PEV charging
  - ✓ Training and education for car dealerships
- ✓ Speaker
  - ✓ Public EVSE Siting, Dr. Tim Brown, UC-Irvine

# Thank You!

## Contact Information:

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**[www.energycenter.org/pluginready](http://www.energycenter.org/pluginready)**