Third Annual Statewide Energy Efficiency Best Practices Forum

Robert Graham
Manager, External Engagement, PEV Readiness Program

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Stakeholder Engagement: State & Local Government

- **State Government/Agencies**
  - Shorten current residential permitting and inspection process (e.g., 24-hour inspection)
  - Assist in regional public charging infrastructure planning
  - Assist in developing and implementing PEV outreach and education programs
  - Encourage local government agencies to develop future building codes and standards

**SCE**

- Customers
- Standards Organizations
- Local Government & Communities
- Trade Associations/NGOs
- Other Utilities
- Charging Stations Operators
- Equipment Installation Providers
- Car Manufacturers (OEM)
CHAMPION CITY PROGRAM

Strategy
Support SCE’s Regional PEV readiness objectives

Process Support
Provide support to cities to meet Champion requirements

Champion Cities
Reward cities which have implemented best practices for PEV readiness

Value
Provide clear benefits to both qualifying cities and to SCE

Business Targets
Establish clear and objective standards for qualifying as a Champion City without imposing financial burden
Champion City Requirements

- Implement process streamlining for EVSE infrastructure installation
- Implement public education and outreach program
- Amend building or parking codes in Residential and Non-residential construction for PEV charging
- Actively participate in regional PEV readiness initiatives
- Implement PEV charging infrastructure
Champion Cities
Award Presentation to the City of Beverly Hills - March 6, 2012
Press Release - Beverly Hills Weekly

cover story

Willie’s Year

The Weekly’s exclusive interview with Mayor Willie Brien
By Melanie Anderson

“Southern California Edison recently recognized the City for its efforts with plug-in vehicles. Do you plan to bring forward more green initiatives?”

“We will. Part of that was passing some of the ordinances about green buildings. Any new building, residence and the like that are built in the city have to meet certain standards.”
Champion City International Recognition
Electric Vehicle Symposium May 6-9, 2012

- City owns and operates 19 Parking Structures
  - 20 Type II Charging Stations installed in late 2011
  - 8 more planned
- California State-wide Green Building Code
  - CAL Green Adopted in 2010
  - Amended CAL Green
- PEV Ready (blank conduit & panel space)
- All New Buildings
Champion City Recognition
Electric Vehicle Symposium May 6-9, 2012
Southern California Edison
An Edison International Company

Regional Complexity

- One of the nation’s largest investor owned electric utilities
- 185 Cities
- 14 million people in 11 counties
- 50,000 square mile territory
- Diverse Ocean to Desert environmental conditions
- Dense urban to sparsely populated regions
- Very affluent to developing communities
Regional Public Infrastructure Planning

Goal and Scope
Inform the deployment of public charging infrastructure to support the PEV market through 2030 and to meet the charging needs of Southern California’s diverse population

Key Activities
- Outline specific guidelines for PEV infrastructure deployment
- Provide data which supports the infrastructure analysis and location identification
- Build public awareness about the benefits of PEVs through education and outreach efforts
- Develop policy recommendations to integrate PEV readiness into sustainable community strategies, as required by SB 375
Key Needs

**Critical issues to address**

- Accurate travel destination locations
- Operator behavior
- Commute patterns
- Employer PEV knowledge
- Role of DC versus Level II public charging

**Deliverables**

- Market needs assessment
- Review of existing studies and data sets
- Customer behavioral analysis
- Case study development (focusing on destinations by market area)
- Policy recommendations

The comprehensive plan will deliver an order of magnitude of volume, types, locations and estimated budget for deploying charge port infrastructure (CPI) in the region.
Recommended Actions

Step 1: Establish a local government agency to lead and champion the study

Step 2: Define the importance of the Regional Study

Step 3: Obtain an appropriate level of funding from State, Local and Federal Sources

Step 4: Establish a collaborative team that blankets the region

Step 5: Develop a simple and clean scope of work
Recommended Actions

Step 6: Implement the necessary fact based research
Step 7: Utilize “professional” planners that understand the region’s complexity
Step 8: Execute the scope of work
Step 9: Complete a comprehensive study with recommendations and templates that are useful to the entire region
Thank you

Bob Graham
Robert.graham@sce.com