**EV Work Group Discussion: Potential Objectives and Topics (9/21/11)**

1. **Objective: Harmonization of inspection processes and related policies to facilitate PEV deployment**

* Permitting and inspection processes
* Building codes (language) and zoning processes needed to foster EV readiness in the home and workplace.
* Federal, state and/or local incentives for EVs and charging infrastructure.
* Electric rate structures (residential, commercial and government), third party billing and time-of-use rates regulations.

**2.Identify likely EV adoption scenarios, Recommend number, placement of charging stations (public and private)**

* Determine possible market penetration of electric vehicles.

Question - for which time period? 2, 5, 10 years?

Approach: Using available DMV registration data with OEM support, assess or predict:

* vehicle fleet by jurisdiction
* vehicle replacement rates in the region
* vehicle sales and turnover trends
* percent of sales that may be electric vehicles over time
* Identify private investment in charging infrastructure
  + - companies investing in charging stations
    - location of commercial/private charging stations in region
* Identify good locations for public charging infrastructure by:
* predicting likely EV ownership and driving patterns
* characterizing vehicle parking resources and destinations in the region
* using best practice recommendations for location and number of charging stations per parking spot or destination

Approach:

-Use Travel Demand Model and Household Travel Survey to depict intensity of vehicle usage patterns in ranges.

* Collect and analyze information on the location of commercial and multifamily residential buildings in the region. Correlate with information on the vehicle fleet.
* Collect and analyze information on the location of employment in the region. Correlate with information on the vehicle fleet driving patterns.
* Collect and analyze information on the location of public and private parking facilities, -as well as major attractions (shopping malls, events, commercial clusters).
* Collect and analyze information on the EVSE market OEMs and distributors plans for infrastructure deployment.