



SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

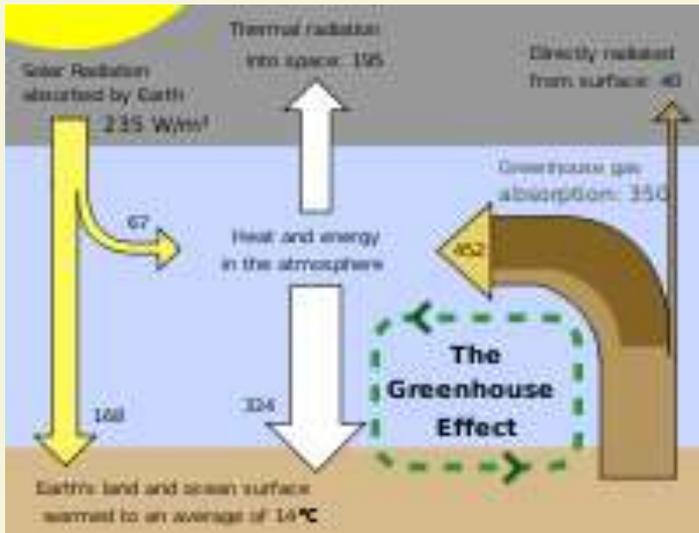
Collaborative Efforts in Electric Vehicle Readiness: Regional Infrastructure Study

EV 101 Workshop for Local Governments

December 9, 2010

**Diana S. Gould
Senior Regional Planner**

Background



- **AB 32 (Global Warming Solutions Act of 2006)**
 - reduction of California GHGs to 1990 levels by 2020 and to 80% below 1990 levels by 2050.
- **As the designated MPO, SCAG is mandated by the federal government to research and prepare plans for transportation, growth management, hazardous waste management, and air quality.**
- **Innovative programs are needed now to achieve these reductions, including those which address automobile emissions.**



Automobiles and GHGs

- **Leading contributor of greenhouse gas emissions (GHGs)**
- **Contribute more than fifty percent of ozone precursor emissions.**



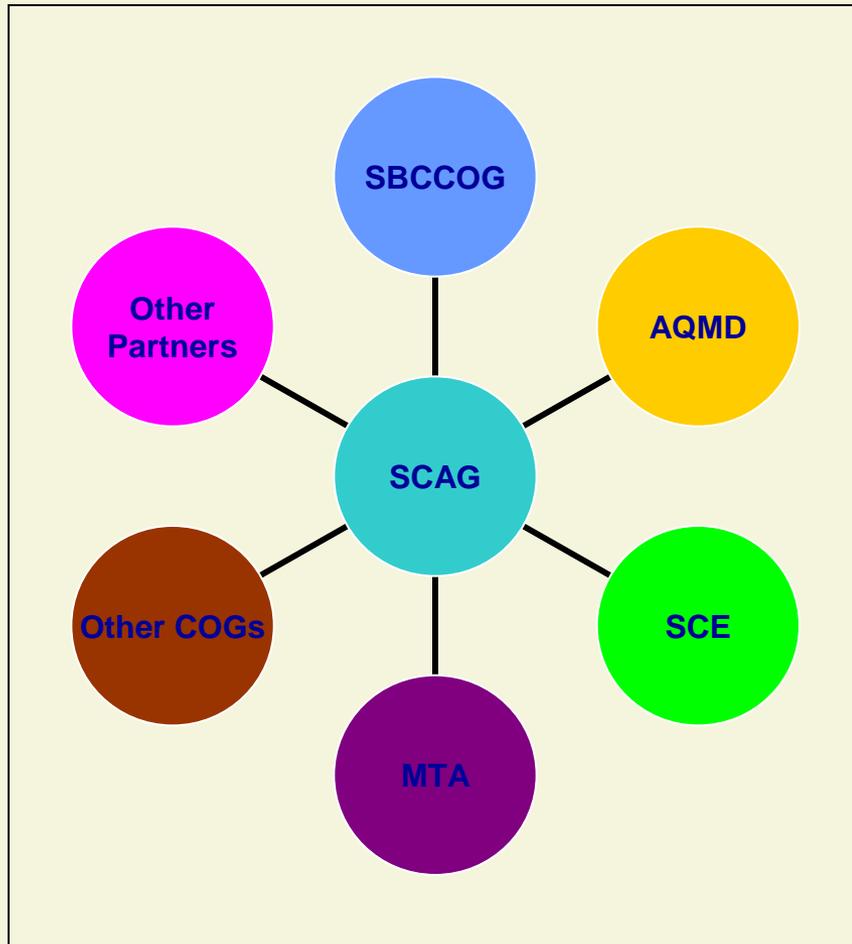
It is essential to investigate alternative fuel technologies in order to reduce air pollutant emissions.

Regional PEV Program



- **SCAG has been approached by SCE to establish a potential leadership role for the development of an plug-in electric vehicle (PEV) program within SCAG's region.**
- **SCAG's involvement could enhance efforts to develop a commercially viable program and establish SCAG as a regional leader and information resource on PEV readiness**
- **Deliverable: "Southern California Public Infrastructure Readiness Study"**

Management and Collaboration



- **Oversight by SCAG**
- **Additional Collaborators as shown**
- **EV Stakeholders meeting at SCAG on 12/7/10**

Study Objective

- **To establish a regional plug-in vehicle charge port infrastructure plan that would identify strategic locations for public, commercial and residential charging stations to support the establishment of a Plug-In Electric Vehicle (PEV) market in Southern California.**
 - Supports the requirements of AB 32 and SB 375, which have as their goal to reduce greenhouse gas emissions, specifically from motor vehicles, through innovative planning and land use decisions.

Project Goals

- **Develop a preferred location Charge Port Infrastructure (CPI) map**
- **Establish a strategy that defines the CPI quantity and the necessary steps to support PEV market entry in 2014 and subsequent growth phases**
- **Prepare a regional plan that demonstrates charge system accessibility by the diverse Southern California population.**

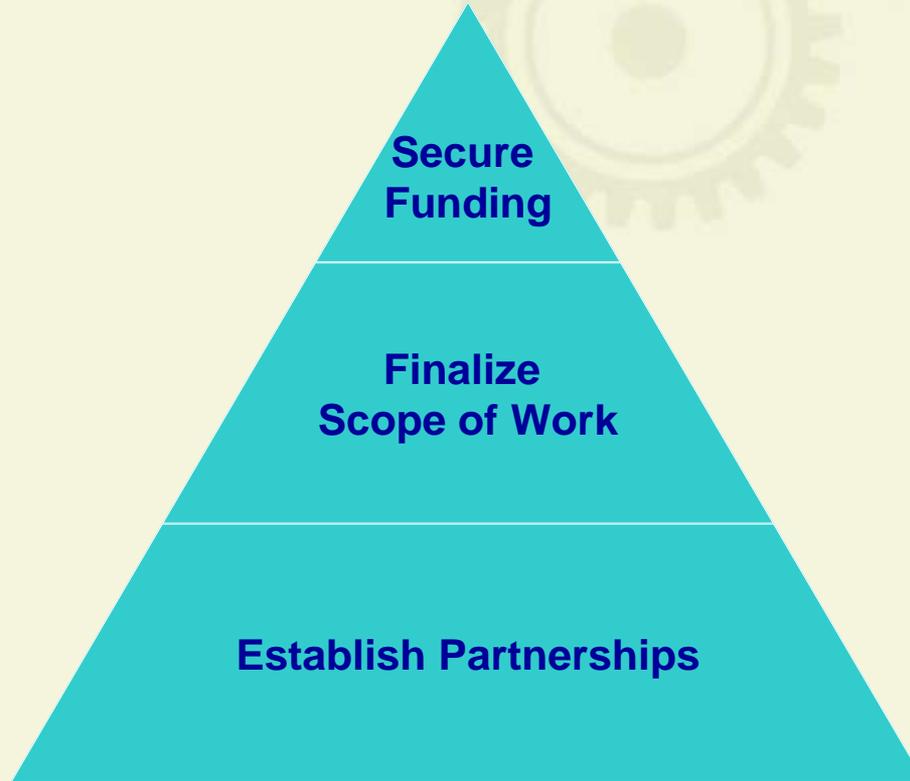


Overview of Study Tasks

1. **Market Needs Assessment**
2. **Regional Planning Study Analysis – Literature Review**
3. **Customer Behavioral Analysis**
4. **Destinations by Market Area: South Bay Case Study**
5. **Regional Infrastructure Deployment Recommendation – The Final Report**



Next Steps



Questions

Diana S. Gould

Senior Regional Planner, SCAG

213-236-1835

gould@scag.ca.gov