The SCAG (Southern California) Clean Cities Coalition includes parts of Los Angeles County, Orange, San Bernardino, Ventura and Imperial

The Coalition was originally formed (designated) in 1996

Coalition Structure:

- Clean Cities is SCAG program component (since 2010)
- The Coalition reports to SCAG’s Energy & Environment Policy Committee & RTTAC
- 200 + stakeholders/ members

- Coalition funded through US Dept of Energy (DOE) program contract and available California Energy Commission (CEC) Grant Funding
Plug-in Electric Vehicle (PEV) Plan 2010-2012

SCAG Grant Funding
- U.S. Department of Energy
- California Energy Commission

So Cal PEV Coordinating Council
- SCE and public utilities
- Local Governments & Partners
- Private Sector Interests

Plug-in Electric Readiness Plan & Atlas
- Local policy guidance for EV Ecosystem
- Prime location for charging installation sites
Plug-in Electric Vehicle (PEV) Plan

Battery Electric

- **Tesla S**
- **Nissan Leaf**

Plug-in Hybrid (battery + gas)

- **Chevy Volt** – 40 mi batt.
- **Ford Fusion Energi** – 40 mi batt.
Plug-in Electric Vehicle (PEV) Plan
Regional Recommendations

Local Agency Focus
- Workplace Charging
  - Employer Outreach
  - Pre-Connection Commitments
- Multi-Family Buildings
  - Demonstration Projects
- Retail Fast Charging
  - Parking Issues
Plug-in Electric Vehicle (PEV) Plan
Local Agency Recommendations

- General Outreach and Awareness
  - PEV Events, Ride-&-Drives,
- Consumer Friendly Installation Permits
  - Model Ordinances, Zoning Changes, Streamlined On-line Permits
- Targeted Outreach to Audiences
  - Employers, Building Owners, PEV Owners
- Direct Participation in Pilot Projects
  - Multi-Family Dwelling Unit Installation to understand policy issues
Growth in Plug-in EV registrations, OCCOG region

**ORANGE COUNTY COUNCIL OF GOVERNMENTS**

**PEV Growth**

<table>
<thead>
<tr>
<th>Year</th>
<th>Cumulative PEV registrations*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lower Bound</td>
</tr>
<tr>
<td>2012</td>
<td>2,263</td>
</tr>
<tr>
<td>2013</td>
<td>4,526</td>
</tr>
<tr>
<td>2014</td>
<td>8,741</td>
</tr>
<tr>
<td>2015</td>
<td>13,910</td>
</tr>
<tr>
<td>2016</td>
<td>25,516</td>
</tr>
<tr>
<td>2017</td>
<td>48,333</td>
</tr>
<tr>
<td>2018</td>
<td>70,963</td>
</tr>
<tr>
<td>2019</td>
<td>109,122</td>
</tr>
<tr>
<td>2020</td>
<td>143,026</td>
</tr>
<tr>
<td>2021</td>
<td>172,985</td>
</tr>
<tr>
<td>2022</td>
<td>194,971</td>
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</tbody>
</table>

* The +5% and +10% projections begin in 2014, when uncertainty becomes greater.
PEV Registrations by TAZ
(Polk Registration Data)
PEV Registrations by TAZ
(Polk Registration Data)
PEV Morning Peak Destinations, and Workplace Focus Areas

Legend:
- Residential Focus Area
- Workplace Focus Area
- Retail Focus Area

Number of Employees Per Business:
- 0 - 75
- 76 - 475
- 476 - 1,400
- 1,401 - 3,700
- 3,701 - 9,800
- 9,801 - 40,000

PEV AM Peak Destinations:
- 0
- 1 - 5
- 6 - 12
- 13 +
PEV Mid-Day Destinations, and Retail Focus Areas

**LEGEND**
- Residential Focus Area
- Workplace Focus Area
- Retail Focus Area

**Commercial Destinations**
- Regional Shopping Center
- Retail Centers
- Modern Strip Development
- Older Strip Development

**PEV Mid-Day Destinations**
- 0
- 1 - 5
- 6 - 12
- 13 +
Plug-in Electric Vehicle (PEV) Plan

Resources

SCAG Funded Products and Resources available:
www.scag.ca.gov/programs/Pages/RegionalElectric.aspx
2016 RTP/SCS: PHEV & Charging Infrastructure

Goals
- Incentivize Level 1 & 2 Charging stations
- 10% Improvement PHEV Electrification
- Increase access to charging in Urban & Compact Areas

<table>
<thead>
<tr>
<th>EV Charging Station Program</th>
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<tbody>
<tr>
<td>Level 1 Rebates</td>
<td>287,829</td>
</tr>
<tr>
<td>Level 2 Rebates</td>
<td>95,943</td>
</tr>
<tr>
<td>Total Rebates</td>
<td>383,772</td>
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<tr>
<td>Total Program Cost</td>
<td>$274 M</td>
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</tbody>
</table>
Next Steps

CEC PON 14-607 Implementing Readiness Plan in Multi-Family Housing

- Update 2012 PEV Atlas
- Conduct analysis and outreach in Westside Cities Council of Government (WCCOG) area:
  - Santa Monica, Culver City, Beverly Hills, West Hollywood, and West LA
  - 68% Multi-Family
  - Over 200,000 units
For more information:

Marco Anderson
Sr. Regional Planner
anderson@scag.ca.gov