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<th><strong>Docket Number:</strong></th>
<th>16-TRAN-01</th>
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<tr>
<td><strong>Project Title:</strong></td>
<td>SB 350 Transportation Electrification (Publicly Owned Utilities)</td>
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<td><strong>TN #:</strong></td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>Presentation - SCAG Plug-in Electric Vehicle (PEV) Readiness Program by Marco Anderson</td>
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<tr>
<td><strong>Description:</strong></td>
<td>October 5, 2016 Workshop</td>
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<td><strong>Filer:</strong></td>
<td>Patty Paul</td>
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<td>SCAG</td>
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SCAG Plug-in Electric Vehicle (PEV) Readiness Program

CA Energy Commission

October 4, 2016

Marco Anderson
Sr. Regional Planner
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

Regional Recommendations

Local Agency Focus
- Workplace Charging
  - Employer Outreach
  - Pre-Connection Commitments
- Multi-Family Buildings
  - Demonstration Projects
- Retail Fast Charging
  - Parking Issues
2016 RTP/SCS: PHEV & Charging Infrastructure

Battery Electric

- **Tesla S**

Plug-in Hybrid (battery + gas)

- **Chevy Volt** - 50 mi batt.

- **Nissan Leaf**

- **Ford Fusion Energi** - 21 mi batt.
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

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<tr>
<th>EV Charging Station Program</th>
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<tbody>
<tr>
<td>Level 1 Rebates</td>
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<td>Level 2 Rebates</td>
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<tr>
<td>Total Rebates</td>
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<tr>
<td>Total Program Cost</td>
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Plug-in Electric Vehicle (PEV) Plan Resources

SCAG Funded Products and Resources available:
www.scag.ca.gov/programs/Pages/RegionalElectric.aspx

SCAG PEV Readiness Plan
SCAG PEV Readiness Atlas
SCAG Interactive PEV Readiness Atlas
Plug-in Electric Vehicle Registrations

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

PEV Registrations
- 0
- 1 - 5
- 6 - 12
- 13 +
Multi-Unit Residential

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

- Duplexes/Triplexes
- Low-Rise Apt/Condos/Townhomes
- Mixed Multi-Family
- Medium-Rise Apts/Condos
- High-Rise Apts/Condos
PEV Morning Peak Destinations and Workplaces

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

PEV AM Peak Destinations
- 0
- 1 - 5
- 6 - 12
- 13 +

LEGEND
- Residential Focus Area
- Workplace Focus Area
- Retail Focus Area
Publicly-Accessible Charging Stations (Summer/Fall 2012)
Multi-family Housing

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
Stakeholder Interviews

- 5000 parking spaces, 100% occupied
- Initially 15 stations, now 25 Level 2 Coulomb stations
- potentially adding 10 more
- $20-30K panel upgrade
Stakeholder Interviews

- 4 out of 5 properties have stations
- 15 Blink! Stations
- 1 bldg. has public access
- Response to tenant requests
Stakeholder Interviews

- 164 room Boutique Hotel
- LEED Gold
- Sustainability Focused
- 1 Level 2 station open to public
- They approached NRG
For more information:

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