EVSE & DCFC Chargers

Do’s & Don’t’s and What’s Next
DO’s

• Have a **Champion** – nothing will get done without one.
• Have a PLAN.
• Install Conduit/Raceways when:
  • you are repaving a parking lot,
  • putting up a parking structure, and/or
  • installing solar in a parking lot (will be required in revised Title 24).
DO’s

• Know the good and bad about each software firm and EVSE/DCFC you are considering. (Some EVSE and DCFC are “better” - more reliable - than others.)
  • Are individual EVSE OCCP Compliant or compliant at Network Level?

• Know which firms will provide timely support.
DO’s

• Know how you will PAY for the improvements and ongoing costs.

• Know ALL your costs (Networking, Monthly Access, Support, Contract Maintenance & Repair costs in the out years, etc.).

• KEEP PRICING AFFORDABLE.

• Learn about Low Carbon Fuel Credits (LCFC)

• Know about Demand Charges and how to avoid them – especially with DC Fast Chargers.
DO’s

• Know what’s coming and how to position your agency.
  • Manufacturers to produce and sell more Light Duty Vehicles.
  • Longer range cars.
  • ADA requirements.
  • Requirements to Post Pricing.
  • ADA Requirements.

• THINK Disadvantaged Communities and Multi-Family.
DON’Ts

• Don’t Think Short Term –
  • “Blindly” select a vendor to provide and maintain EVSE and network.
  • Get “LOCKED-IN” to single Vendor or Network.
  • Accidentally Forfeit LCFC or Federal Credits.

• Install Level 1 unless you are installing at a long term Airport lot.
Would Your Agency Do This?
What’s Next:

• ADA Requirements begin January 1, 2017.
• New Title 24 will require pre-wire for EVSE and Storage.
• New 2018 cars will have bigger battery packs up to 60 kWh for a range of 150 to 200 miles.
• New CARB requirements (for 2018 and beyond) for manufacturers – 10% of new cars and light trucks sold in 2020 will be plug-ins. Increases from there.
ZEV Requirement

ZEV Percentage Requirements for LVMs

- Minimum ZEV Floor - Portion of ZEV requirement that must be met with ZEV credits
- TZEV Credits - Portion of requirement that may be met with credits from TZEVs

<table>
<thead>
<tr>
<th>Model Year</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025+</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.0%</td>
<td>3.0%</td>
<td>3.5%</td>
<td>4.0%</td>
<td>4.5%</td>
<td>5.0%</td>
<td>5.5%</td>
<td>6.0%</td>
</tr>
</tbody>
</table>

Percentage ZEV Requirements: 1962.2(b)(2)
ADA Requirements

- Level Ground
- Path of Travel
- Van Accessible Space
- No Cords on the Ground