



**CITY OF SANTA MONICA  
REGULAR MEETING AGENDA OF THE  
ELECTRIC VEHICLE SUBCOMMITTEE OF  
THE TASK FORCE ON THE ENVIRONMENT**

**VIRGINIA AVENUE PARK  
THE ANNEX ROOM  
2201 PICO BLVD  
SANTA MONICA, CA 90405**

**WEDNESDAY, NOVEMBER 7, 2018**

**6:00PM-8:00PM**

**Call to Order**

**Roll Call**

(Please note that Agenda Items may be reordered during the meeting at the discretion of the body.)

1. **Special Agenda Items**
2. **Reports of Staff/Members (15 min)**
  - a. Staff update on adopted park charging code amendment
  - b. Staff update on installed chargers
  - c. Staff update on curbside EV charging survey
  - d. Staff update on DC Fast Charging project development
  - e. Staff update on new charging station design and construction process
  - f. Staff update on Main Library outreach event
  - g. Staff update on EV ARC solar charger
3. **Public Input:**

Public input is permitted only on items not on the agenda that are within the subject matter jurisdiction of the body. State law prohibits the body from taking any action on items not listed on the agenda, including issues raised under this agenda item. Presentations may be followed by clarifying questions, public comment, and discussion.
4. **Consent Calendar** - Approval of Minutes from August 15<sup>th</sup> meeting (3 min)
5. **New Business**
  - a. Discussion and recommendation regarding the waitlist system at Virginia Avenue Park and Montana Ave– Appendix 1 (15 min)
  - b. Discussion and recommendation for EV charging overstay fine amount – Appendix 2 (15 min)

- c. Discussion and recommendation on parking policies for EVs with Clean Air Vehicle decals expiring Jan. 1, 2019 – Appendix 3 (15 min)
- d. Discussion and recommendation on EV user fee structure, including fee type (time vs. kWh) and dynamic pricing (15 min)

**6. Future Agenda Items**

- a. Residential pilot program for charging stations in the public right-of-way
- b. EV charging technology updates
- c. Suggested topics from Subcommittee members

**Adjournment**

**STANDARDS OF BEHAVIOR THAT PROMOTE CIVILITY AT ALL PUBLIC MEETINGS:**

- Treat everyone courteously;
- Listen to others respectfully;
- Exercise self-control;
- Give open-minded consideration to all viewpoints;
- Focus on the issues and avoid personalizing debate;
- Embrace respectful disagreement and dissent as democratic rights, inherent components of an inclusive public process, and tools for forging sound decisions

This agenda is available in alternate format upon request. The Virginia Avenue Park Patio Room is wheelchair accessible. If you require any special disability related accommodations (i.e. sign language interpreting, access to an amplified sound system, etc.), please contact Ariana Vito at the Office of Sustainability & the Environment at (310) 458-2294 at least 2 days prior to the scheduled meeting.

**This agenda is subject to change up to 72 hours prior to a regular meeting. Please check the agenda prior to the meeting for changes.**

Office of Sustainability & the Environment  
Ariana Vito, EV Program Coordinator  
1717 4<sup>th</sup> St. Suite 100  
Santa Monica, CA 90401  
[Ariana.vito@smgov.net](mailto:Ariana.vito@smgov.net)  
(310) 458-2294

## Attachment

### Appendix 1) Waitlist System

#### Waitlist System Details

Time to Respond to Session Notification	5 min	The time a driver has to respond (Accept, Snooze, or Remove) when notified it's his/her turn to charge
Time from Accept to Plug-In	15 min	Once offered a spot that the driver has accepted, they must plug in within 15 minutes, or the spot is offered to the next person in line
Time to Move When Time is Up	10 min	The driver must move the vehicle within 10 minutes after the allotted time period or when the vehicle is fully charged (whichever comes first).

### Station Usage Stats – 30 days

#### Virginia Avenue Park

Total # sessions	650
% sessions by SM residents (zip code data)	75%
Avg sessions/port/day	5
Avg session length (total duration)	2 hours
Frequent users (4 or more sessions/month)	50
Heavy users (10 or more sessions/month)	19
Most popular time for waitlist reservations	11am-4pm
Typical Waitlist Queue Depth Range	1-5

#### Montana Ave

Total # sessions	540
% sessions by SM residents	73%
Avg sessions/port/day	9
Popular waitlist time	2pm-8pm
Queue Depth Range	5-10

### Appendix 2) Fine Comparison

City	User Fee	Fine
Beverly Hills	\$0.25 per kWh first 2hrs	\$6/hr afterwards
Los Gatos	\$1 first 4hr	\$5 per hr afterwards
Richmond	\$1 first 2hr	\$15 per hr afterwards
Portola Valley	\$1 first hr	\$4 per hr afterwards
Dublin	\$0 first 2hrs	\$2 per hr afterwards

**Appendix 3) Clean Air Vehicle Decals**

<b>For Decals Issued on:</b>	<b>Will Be Valid until:</b>
January 1, 2017 – December 31, 2018	January 1, 2019
January 1, 2019 or after to a vehicle that was issued a decal in 2017 or 2018	January 1, 2022
January 1, 2019 or after to a vehicle that did not previously have a decal	January 1st of the fourth year after the year of issue. For example, a decal issued on June 24, 2019 would expire on January 1, 2023
January 1, 2022 or later	All decals expire on September 30, 2025

<b>Decal Color</b>	<b>Vehicle Requirements</b>
 	<p>Super ultra-low emission vehicle standard for exhaust emissions and the federal inherently low-emission vehicle evaporative emission standard, as well as vehicles that meet the state’s enhanced advanced technology partial zero-emission vehicles or transitional zero emission vehicle standard. Expire Jan. 1 2022</p>
 	<p>Super ultra-low emission vehicle standard for exhaust emissions and the federal inherently low-emission vehicle evaporative emission standard. Vehicles that meet these requirements are certified pure zero emission vehicles (100% battery electric and hydrogen fuel cell). Expire Jan. 1, 2019</p>
 	<p>Enhanced Advanced Technology Partial Zero-Emissions (Enhanced AT PZEV) or Transitional Zero-Emission (TZEV) standards for exhaust emissions. Vehicles that meet these requirements are usually plug-in Hybrids. Expire Jan. 1 2019</p>

#### Changes – CVRP or CAV Decal

- For a vehicle purchased on or after January 1, 2018, the DMV cannot issue a CAV decal to an applicant who has received a consumer rebate through the Clean Vehicle Rebate Project (CVRP). An applicant whose gross annual income is above specified thresholds must choose between a CAV decal or a CVRP rebate.

#### Existing Code

- SMMC 3.16.120 Operation of Parking Meters – only allows current and valid clean air decals to park for free at meters  
*(c) Subsection (a) of this Section shall not require an operator of a vehicle to deposit payment in a parking meter if the vehicle is lawfully displaying one of the following decals, placards or plates issued by the California Department of Motor Vehicles:*
  - (1) Current and valid clean air decals*
  - (2) Zero-emission vehicle decals*

#### Options

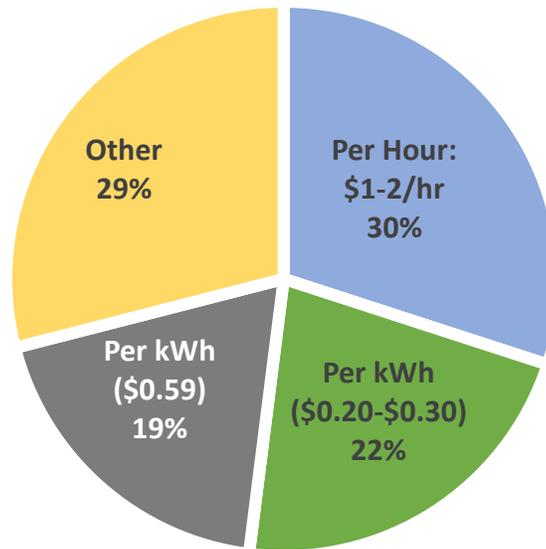
- Amend municipal code to allow white and green decals to park for free until 2022
- Amend municipal code to allow white decals to park for free until 2022
- Do nothing – beginning Jan. 1, 2019, only red decals may park for free at meters

### **Appendix 4) User Fees**

#### Fee Structure Options

- \$/hour vs. \$/kWh
  - \$/hr – easier for the driver to gauge cost
  - \$/kWh – more fair, accounts for varying charging rates among different vehicles
- Dynamic pricing structure
  - E.g. Include time-of-use (TOU) rates to incentivize off-peak charging and offset demand charges
  - Time-of-use rates would decrease prices during the afternoon while solar generation is high, and increase prices at night when there is no solar generation and demand is high

## Types of Fee Structures in LA Region



### Operating Costs

Cost	Per port per year
Networking/Cloud Service Fee	\$280
Electricity Cost (rough estimate)	\$2,000
Maintenance	\$580
Total	\$2,860

### Revenue Projection Scenarios

Fee Option	Usage Necessary to Cover Costs
\$1/hr	6.5 hrs/day (2-3 sessions)
\$2 hr	3.1 hrs/day (2-3 sessions)
\$0.20/kWh	39 kWh/day (5-6 sessions)
\$0.25/kWh	31 kWh/day (4-5 sessions)

### Cost to Fill from 0 to 100% - \$/kWh

Fee/kWh	Nissan Leaf (40 kWh)	Chevy Bolt (60 kWh)	Tesla Model 3 (75 kWh)
\$0.20	\$8.00	\$12.00	\$15.00
\$0.25	\$10.00	\$15.00	\$18.75
\$0.30	\$12.00	\$18.00	\$22.50