



**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 90404**

WEDNESDAY, NOVEMBER 7, 2018

6:00PM-8:00PM

Meeting called to order at 6:13 PM

Roll Call

Members: Erik Neandross, Judy Abdo, Kielo Stevenson, Paul Scott

Staff: Ariana Vito, Garrett Wong

Public: Paul Rosenstein, Laurene Von Klan

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

1. **Special Agenda Items**
 - a. **Adopt a charger** – potential off-taker for unused Clipper Creek equipment

2. **Reports of Staff/Members (15 min)**
 - a. Staff update on adopted park charging code amendment
 - a. Ariana provided an update on the pending change to the municipal code that will allow EV charging as a permissible activity after park closure (11 pm-6 am). The second reading will be Nov 13, policy will be effective Dec 13.
 - b. Paul and Judy expressed concern that people would be safer and would prefer to say with their vehicle while charging.
 - c. Ariana provided a response from Lt. Cobarubias that stated the concern that people in cars could be at risk from a carjacking or mugging.
 - d. Kielo supported the ordinance as it is written.
 - e. Staff will request a representative from the Police Department and the City Attorney's Office will attend the next meeting.
 - b. Staff update on installed chargers
 - a. Ariana provided an update on recent projects:

1. Main Library - 12 charging ports pending cellular connection
 2. Montana Ave – 1 additional charger
 3. P7 – 1 dual port station to be replaced
 4. Annenberg – 1 dual port station to be installed before 2019
- c. Staff update on curbside EV charging survey
 - a. Ariana provided an update on a new survey. Over 50 responses seen so far.
 - b. Ariana will re-send survey to members, especially Kielo and Paul.
 - d. Staff update on DC Fast Charging project development
 - a. Ariana update on the City's Request for Information. The City received 3 responses. Staff will convene an interdepartmental team to determine City's roles, responsibilities and preferences.
 - b. Paul: pricing should be no more than the cost of gas
 - e. Staff update on new charging station design and construction process
 - a. Ariana provided an update on a Request for Proposal for design and engineering services.
 - b. Paul raised concern over pending regulation by CARB to require credit card payment acceptance.
 - f. Staff update on Main Library outreach event
 - a. Ariana suggested a Monday midday event to engage library visitors. To be scheduled soon after the installation is complete.
 - g. Staff update on EV ARC solar charger
 - a. ARC is no longer providing night charging and will remain at the Airport.

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 15th 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)
 - a. Ariana explained how the queue process works.
 - b. Paul urged that the queue system be removed. Judy agreed.
 - c. Kielo suggested maybe one of a set of stations have the system.
 - d. Kielo motion, Erik second, all in favor: VAP charging stations will be split (reservation system and non-reservation system)

- b. Discussion and recommendation for EV charging overstay fine amount – Appendix 2 (15 min)
 - a. Erik motion, Kielo second, all in favor: \$1/min up to \$55 max (parking ticket)
- c. Discussion and recommendation on parking policies for EVs with Clean Air Vehicle decals expiring Jan. 1, 2019 – Appendix 3 (15 min)
 - a. Ariana provided an update on the changes to DMV decals.
 - b. Kielo motion, Paul second, all in favor: Motion to amend municipal code to allow white decals to park for free. Is it possible to have first warning ticket or dash card, notify through Chargepoint?
- d. Discussion and recommendation on EV user fee, including fee type (time vs. kWh) and dynamic pricing (15 min)
 - a. \$/kWh preferred; \$0.20/kWh acceptable
 - b. Staff to return with more analysis after stations are installed and more utilization

6. Future Agenda Items

- a. Residential pilot program for charging stations in the public right-of-way
- b. Suggested topics from Subcommittee members
- c. Queue system
- d. Park dwell
- e. Fee schedule
- f. Future of mobility
- g. Pilot rebate program debrief

Next meeting to be January 16, Wednesday.

Meeting adjourned at 8:08 pm.

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.

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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




For Decals Issued on:	Will Be Valid until:
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**Appendix
2) Fine
Comparis
on**

City	Rate
Beverly Hills	\$0.25 per kWh + \$0/hr first 2hrs, \$6/hr afterwards
Los Gatos	\$1 first 4hr, \$5 per hr afterwards
Richmond	\$1 per hr first 2hr, \$15 per hr afterwards
Portola Valley	\$1 first hr, \$4 per hr afterwards
Dublin	Free first 2hrs, \$2 per hr afterwards

Appendix 3) Clean Air Vehicle Decals

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

Decal Color	Vehicle Requirements
	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
	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
	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

Changes

- 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.
- 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

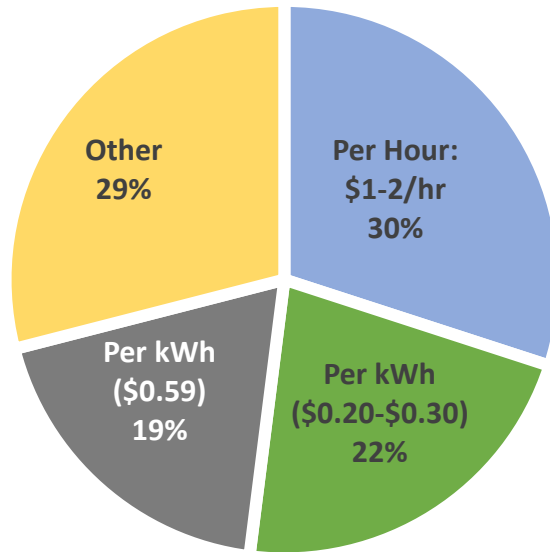
- Amend municipal code to allow white and green decals to park for free until 2022
- Amend municipal code to allow white decals to park for free until 2022
- Do nothing – beginning Jan. 1, 2019, only red decals may park for free at meters

Appendix 4) User Fees

Fee Structure

- \$/hour vs. \$/kWh
- Dynamic pricing structure?
 - E.g. Include TOU rates to incentivize off-peak charging, offset demand charges

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%

Fee/kWh	Leaf (40 kWh)	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