

From: [Erin Cooke \(AIR\)](#)
To: [Carroll, John \(BOS\)](#)
Cc: [Cathy Widener \(AIR\)](#); [Dyanna Quizon \(AIR\)](#); [Leroy Sisneros \(AIR\)](#); [NIIRO, NICHOLAS \(CAT\)](#); [John Copello \(AIR\)](#); [Ivar Satero \(AIR\)](#)
Subject: Re: REFERRAL FY1 - BOS File No. 210198 - Hearing - Status of the City's Electric Vehicle Fleet and Current Infrastructure Plans to Charge Future Fleet
Date: Friday, March 5, 2021 9:15:01 PM
Attachments: [image001.png](#)
[image002.png](#)

Good evening – the following was compiled by SFO’s Sustainability Director and Fleet Manager (contact info below). Please let us know if you have questions –



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The request includes answers to the following questions by **Friday, March 12:**

- How many gasoline powered vehicles have been replaced by electric in your department?
 - Between 2002-2013 there were 32 Electric vehicles added to the fleet.
 - As of 2017 the EV fleet built up between 2002 thru 2013 was down to 4 vehicles, most retired early due to availability of parts.
 - 2018 first ZEV addition to fleet since 2013, 2 Chevy Bolt EV's.
 - 2019 10 Bolt EV's added to fleet.
 - 2020 last EV vehicles acquired between 2002-2013 retired, 9 Chevy Bolt EV's, 2 Toyota Mirai FCEV and 3 Go-4 Electrics added to fleet.
 - 2021 After all budget constraints still able to get 5 Chevy Bolt EV's and 2 Toyota Mirai FCEV's on order for FY21.
 - As of 3/5/21 ZEV fleet consists of 26 vehicles.
Most of the EV vehicles retired early were not replaced. The current group of 26 ZEV vehicles have replaced 4 electric vehicles, 6 CNG vehicles, 6 Hybrid vehicles, and 10 Conventional gasoline vehicles.
- When would you expect to have an all-electric fleet at the rate you are going?
Passenger vehicles are being replaced by ZEV vehicles; goal is to be 100% ZEV by 2023
All pursuit vehicles are being replaced by Hybrid vehicles
- What are the expected projections for the next four years in your department towards electrifying your City

fleet? See above.

- How is each department doing with charging stations?

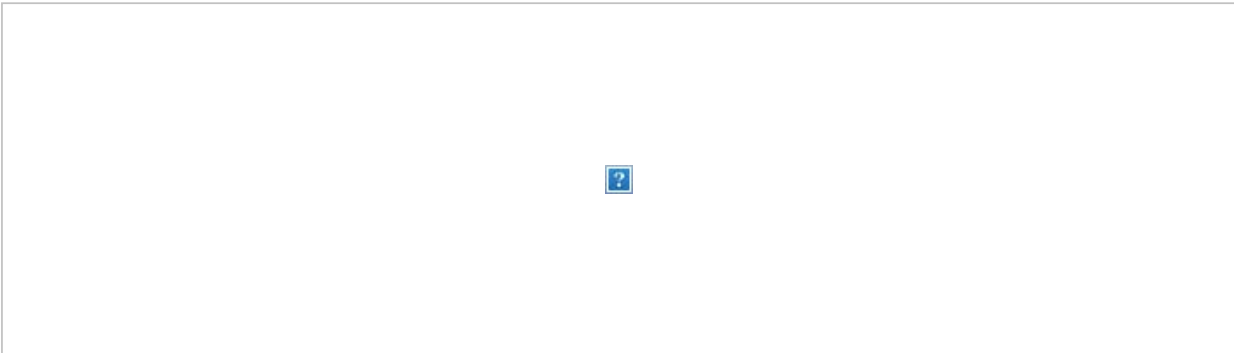
Existing ZEV infrastructure includes 306 EV charging ports to serve landside end users, 256 charging ports for electric ground support equipment (eGSE), and arrival of SFO first electric shuttle bus fleet vehicles.

- What is the number of facilities that each department has and the capacity for Electric Vehicles, as well as, charging stations?

Although SFO has made progress with transportation electrification, baselining conducted through the development of SFO's Zero Emissions Vehicle Readiness (ZEV) Study – due to be published by June 2021 - determined that it is behind with respect to regional adoption rates and citywide requirements, so more aggressive targets are needed. Our airport stakeholders also agreed on a short-term **target of installing EV charging in at least 10 percent of SFO-owned parking stalls by 2023-5**, as outlined in CCSF's 2019 Commercial Garage Ordinance^[1] for EV charging. These projects will advance within and alongside capital programs as SFO recovers from the current economic crisis and has access to adequate revenues to support this investment. In the interim, SFO's ZEV Readiness Steering Committee is prioritizing ZEV enabling work such as the adoption of technical standards, deployment of a load management pilot and advancement of reliable electric distribution infrastructure.

- Do the facilities and charging stations meet the demand for current and projected electric vehicles?

As noted above, SFO's ZEV Study forecasts and is programming infrastructure to make-ready our campus to support additional EVs on both the landside (including passenger vehicles, employee vehicles and airport fleet vehicles) and airside (ground support equipment). Landside targets are shown below.



From: Carroll, John (BOS) <john.carroll@sfgov.org>

Sent: Monday, March 1, 2021 3:14 PM

To: Raphael, Deborah (ENV) <deborah.raaphael@sfgov.org>; Ivar Satero (AIR) <Ivar.Satero@flsfo.com>; Carlin, Michael (PUC) <mcarlin@sfgov.org>; Scott, William (POL) <william.scott@sfgov.org>; O'Riordan, Patrick (DBI) <patrick.oriordan@sfgov.org>; Forbes, Elaine (PRT) <elaine.forbes@sfgov.org>; Chu, Carmen (ADM) <carmen.chu@sfgov.org>; Penick, Andrico <andrico.penick@sfgov.org>

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Subject: REFERRAL FYI - BOS File No. 210198 - Hearing - Status of the City's Electric Vehicle Fleet and Current Infrastructure Plans to Charge Future Fleet

Greetings:

This matter is being forwarded to your department for informational purposes. If you have any comments or reports to be included with the file, please forward them to me at the Office of the Clerk of the Board, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

[Introduction Referral Memo – March 1, 2021](#)

I invite you to review the entire matter on our [Legislative Research Center](#) by following the link below:

[Board of Supervisors File No. 210198](#)

Thanks for the review.

John Carroll
Assistant Clerk

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(VIRTUAL APPOINTMENTS) To schedule a virtual meeting with me (on Microsoft Teams), please ask and I can answer your questions in real time.

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[1] Ordinance No. 244-19, Electric Vehicle Charging in Commercial Parking, amending the Environment Code and Police Code of the City and County of San Francisco, effective 12/02/2019: <https://sfbos.org/sites/default/files/o0244-19.pdf>