

File No. 250472

Committee Item No. 8
Board Item No. _____

COMMITTEE/BOARD OF SUPERVISORS

AGENDA PACKET CONTENTS LIST

Committee: Land Use and Transportation
Board of Supervisors Meeting:

Date: Dec. 8, 2025
Date: _____

Cmte Board

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|-------------------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Motion |
| <input type="checkbox"/> | <input type="checkbox"/> | Resolution |
| <input type="checkbox"/> | <input type="checkbox"/> | Ordinance |
| <input type="checkbox"/> | <input type="checkbox"/> | Legislative Digest |
| <input type="checkbox"/> | <input type="checkbox"/> | Budget and Legislative Analyst Report |
| <input type="checkbox"/> | <input type="checkbox"/> | Youth Commission Report |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Introduction Form |
| <input type="checkbox"/> | <input type="checkbox"/> | Department/Agency Cover Letter and/or Report |
| <input type="checkbox"/> | <input type="checkbox"/> | MOU |
| <input type="checkbox"/> | <input type="checkbox"/> | Grant Information Form |
| <input type="checkbox"/> | <input type="checkbox"/> | Grant Budget |
| <input type="checkbox"/> | <input type="checkbox"/> | Subcontract Budget |
| <input type="checkbox"/> | <input type="checkbox"/> | Contract / DRAFT Mills Act Agreement |
| <input type="checkbox"/> | <input type="checkbox"/> | Form 126 – Ethics Commission |
| <input type="checkbox"/> | <input type="checkbox"/> | Award Letter |
| <input type="checkbox"/> | <input type="checkbox"/> | Application |
| <input type="checkbox"/> | <input type="checkbox"/> | Public Correspondence |

OTHER

- | | | |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Depts Presentation – December 8, 2025</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Referral FYI – May 6, 2025</u> |
| <input type="checkbox"/> | <input type="checkbox"/> | _____ |
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Prepared by: John Carroll
Prepared by: _____
Prepared by: _____

Date: Dec. 5, 2025
Date: _____
Date: _____



SFMTA



SAN FRANCISCO
ENVIRONMENT
DEPARTMENT

Curbside EV Charging Progress and Next Steps

Board of Supervisors
Land Use and Transportation
Committee

December 8, 2025



Today's Discussion

- Why curbside charging?
- Program goals
- Feasibility study
- Demonstration pilot
- Next steps

2021 Climate Action Plan

Accelerate the adoption of zero-emissions vehicles
and other electric mobility options



2030

25% of registered private vehicles are EVs

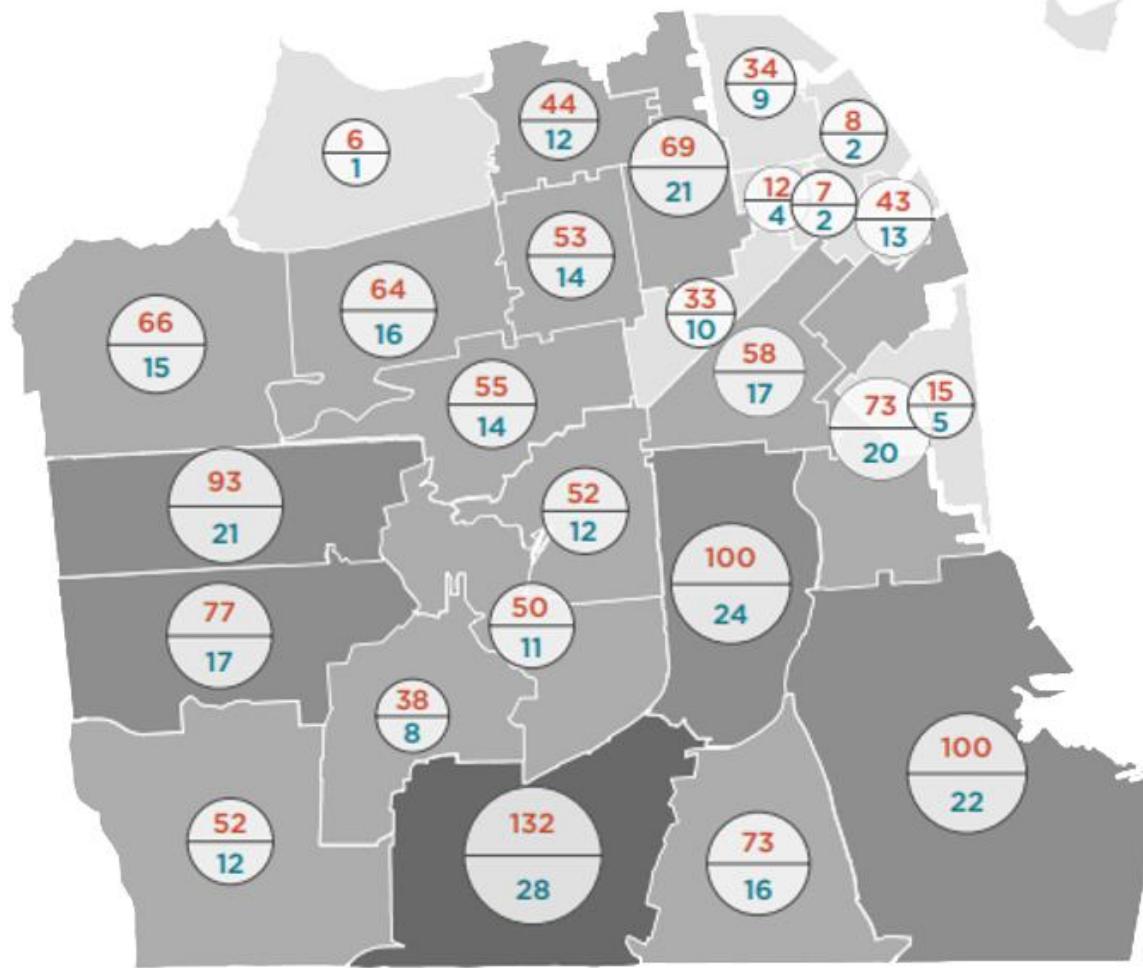


2040

100% of registered private vehicles are EVs

Public Charging Network Gap

Total Projected Need in 2030:



We Still Need:

Level 2 Chargers

345

111

Fast Chargers

Projected 2030 EV Registrations

Low (up to 5000)

Medium (up to 10,000)

High (up to 15,000)

Highest (up to 20,000)

Curbside is One Piece of Charging Network



Serves residents in multifamily housing without garage access

What steps are we taking?



Completed
Feasibility Study
Pilot Launch



Current Work
Completing pilot
Permitting pathway
Ongoing policy development

Citywide Curbside Charging Program Goals

Fill existing network gaps

- Create an equitable, accessible, and reliable network
- Prioritize overnight charging for multifamily residents
- Meet existing and future EV demand and serve vehicle-reliant neighborhoods

Improve permit process and partnership model

- City outlines site criteria and screens proposals
- Providers propose sites and own/operate infrastructure
- Leverage permitting and operating terms to maintain City requirements and secure benefits

Curbside Feasibility Study

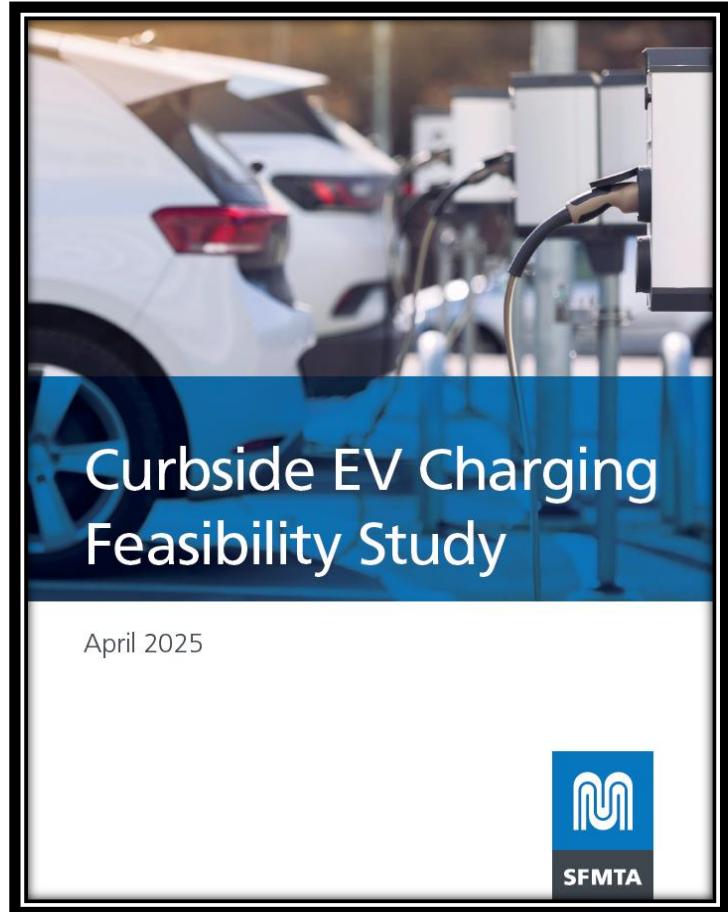
Resolution advanced by
Supervisor Mandelman in 2024

Scope

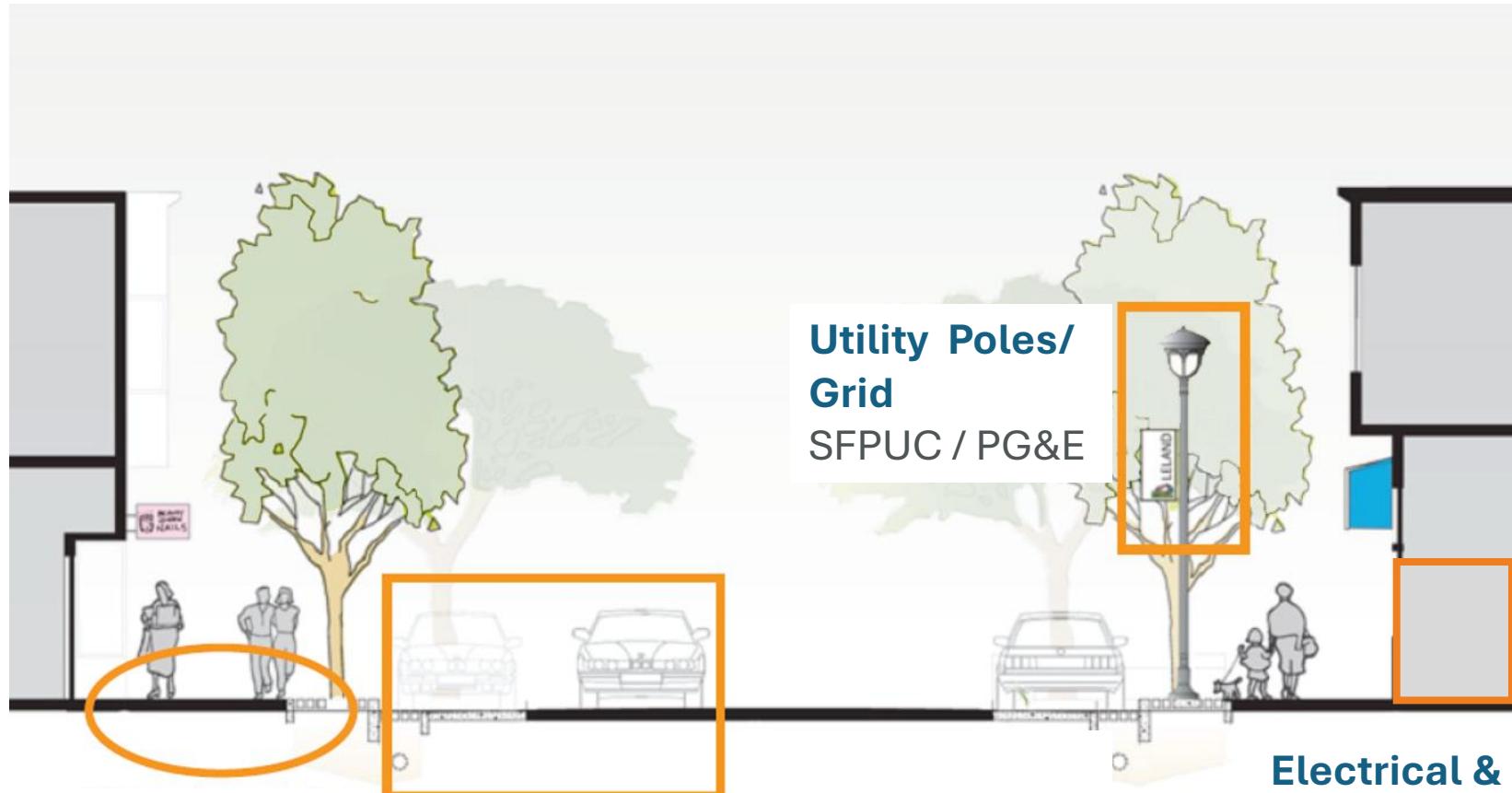
- Literature review / peer city engagement
- Engaged community members & industry leaders
- Site suitability analysis
- Financial analysis
- Operational, regulatory & transportation network opportunities & constraints
- Funding strategies

Findings

- Complex permitting and regulatory conditions
- Grid access and readiness can be a challenge
- Need to site intentionally to create a network
- Analysis indicates that revenue generation is feasible



Finding: Curbside Charging Spans Many Jurisdictions



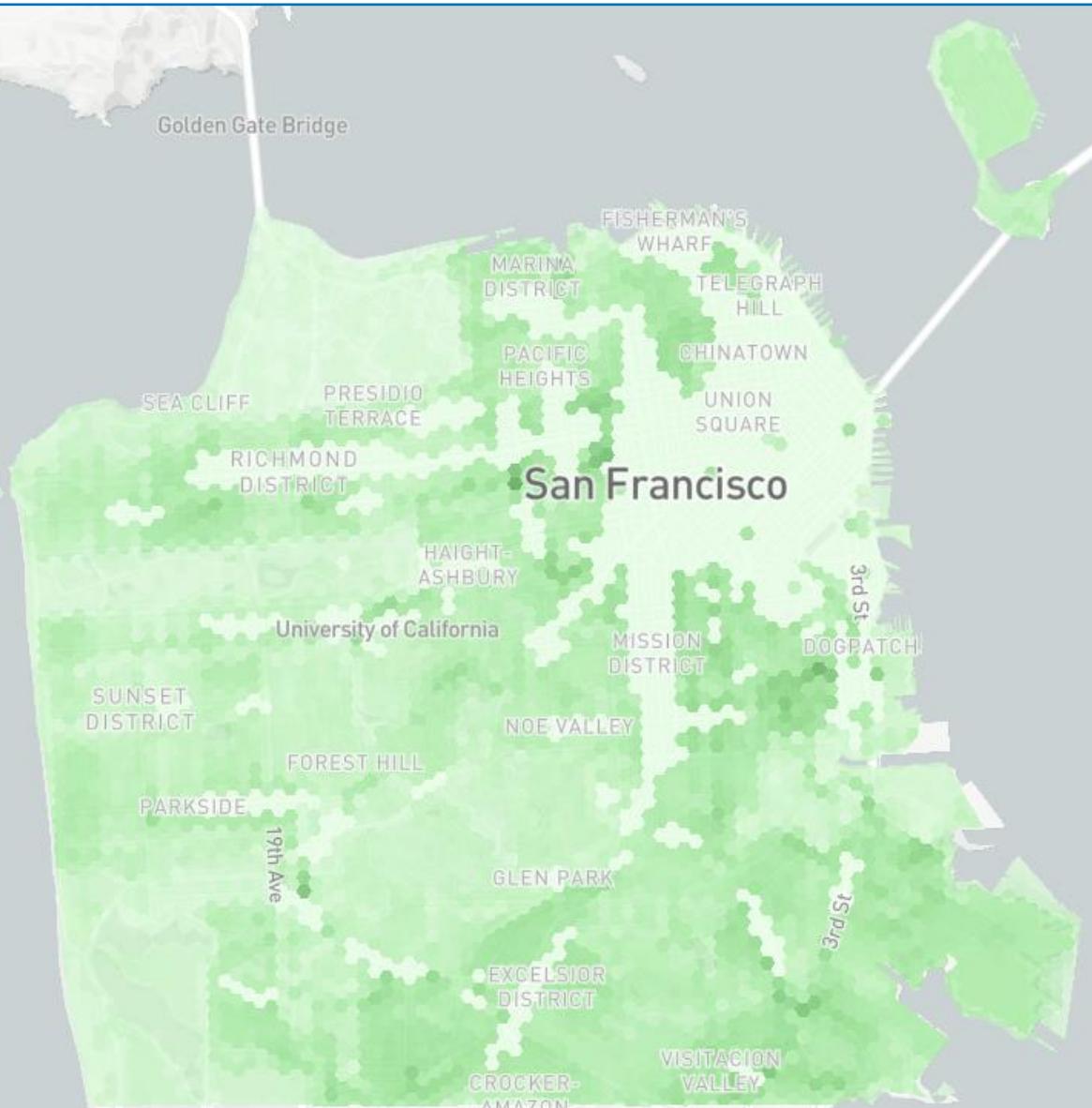
Sidewalks
Public Works

Curb, Parking, Traffic
SFMTA

Utility Poles/ Grid
SFPUC / PG&E

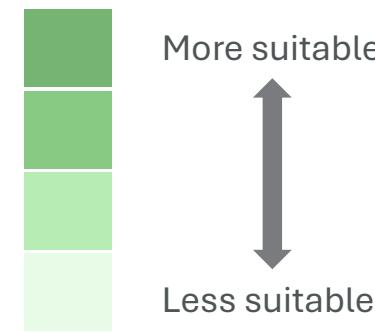
Electrical & Building
Dept Building Inspection

Finding: Suitable Sites in Every District



Site Suitability Criteria :

- Vehicle registrations
- Grid capacity
- Curb use
- Safety
- Socio-economic
- Land use and more!



Curbside Demonstration Pilot

Applicants (charging providers) identify sites and cover all costs to install, own, and operate chargers

Tap into building capacity or apply for new utility service

Use Emerging Technology Permit for a 2-year term with 10-year option

Other required permits:

- PW Excavation Permit (if trenching)
- DBI Electrical Permit
- SFMTA Curb Legislation
- SFPUC/PG&E: Electric Service Verification



Source: Community Member

Pilot Status

Site selection is challenging – need clear City guidelines

Siting principles

- Focus on demand
- Avoid conflicts with transit and bikes
- Prioritize multifamily housing, avoid commercial corridors
- Consider underserved areas



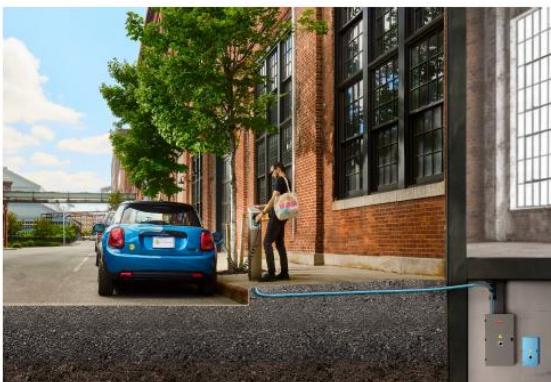
Remaining steps

- Process remaining proposals
- Maintain existing site
- Collect data & conduct community survey

Use lessons learned to inform citywide program



it's electric's use of **existing** spare building capacity for public **chargers** removes the challenge of grid readiness



And as the only US company to offer a **detachable cable**



Saves cities costs and frustration from broken and vandalized cables

We are the only **community requested** public charging solution



Request an L2 curbside charger where you already park.

Share your ideas for charger locations



hello@itselectric.us

Allowing our model to **intentionally site each location** for increased adoption and utilization



Combined, this allows us to deploy at **low cost and high speed**

April 15 MTA Board Approval



April 21-22 Installation



April 25 Ribbon Cutting





Data share + driver feedback allows for quick, agile, iteration

Key Findings at 4 Weeks

- Spots blocked by gas-vehicles or EVs that are parked but not plugged in.
- Drivers prefer to pay by kWh.

Key Findings at 6 Months

- Charger utilization steadily increases
- Session length increasing. Drivers moving behavior from 'top-up' to longer sessions.
- Charge port location of some vehicles has informed key finding to place charger centered in spot for future installs.
- Blocking enforcement key for expansion

Actions Taken

- Cost moved from time based to kWh
- Spots "Batterboxed" for clear marking

"Thanks for this great neighborhood charger, we need more!"

"I want to take a moment to compliment you on the implementation of the pilot San Francisco charging stations. I use them frequently and they work super well!"

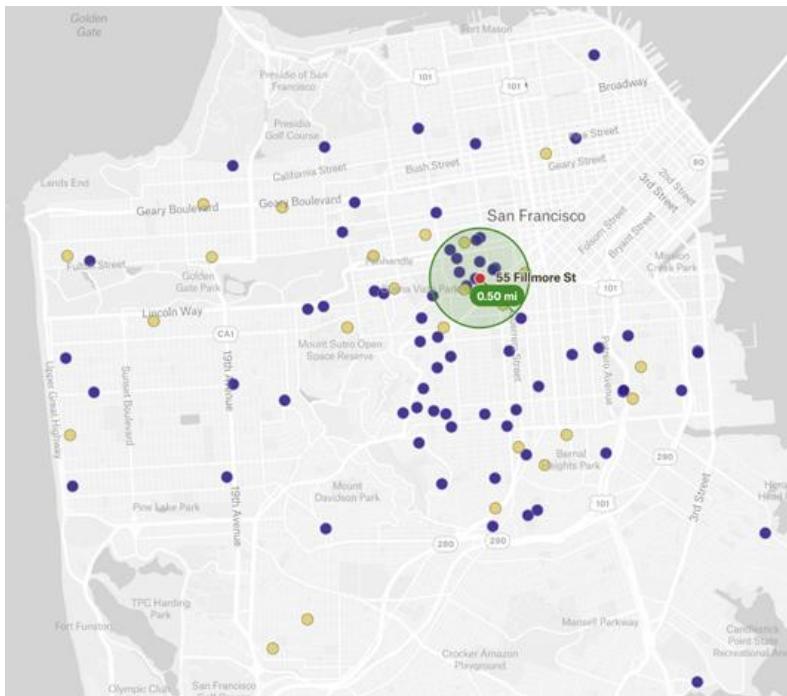
Reporting and Documentation Monthly Data Report Submission from it's electric Office of Emerging Technology	5.2025 Month 01	6.2025 Month 02	7.2025 Month 03	8.2025 Month 04	9.2025 Month 05	10.2025 Month 06
Charging station and port ID	SF01	SF01	SF01	SF01	SF01	SF01
Average daily uptime	98%	61.12%	99.55%	100.00%	98.27%	99.77%
Total charging sessions count	27	22	47	63	73	83
Number of unique users	15	15	20	24	35	35
Average session length	99	240.91	223.23	376	259	285
Average daily utilization	99	159	316.8	639.83	630	784
Average daily utilization %	6.88%	11.04%	21.00%	48.94%	43.79%	53.09%
Peak utilization time of day	9:00 AM	6:00 PM	3:00 PM	7:00 PM	4:00 PM	10:00 AM

Reporting and Documentation Monthly Data Report Submission from it's electric Office of Emerging Technology	5.2025 Month 01	6.2025 Month 02	7.2025 Month 03	8.2025 Month 04	9.2025 Month 05	10.2025 Month 06
Charging station and port ID	SF02	SF02	SF02	SF02	SF02	SF02
Average daily uptime	100%	98.55%	100.00%	100.00%	98.79%	99.78%
Total charging sessions count	32	54	53	57	74	96
Number of unique users	20	21	22	23	35	48
Average session length	145	261.43	295.25	334.02	268	279
Average daily utilization	154	332	476.21	579	662	662
Average daily utilization %	10.69%	23.06%	32.92%	38.91%	45.99%	60.00%
Peak utilization time of day	10:00 AM	3:00 PM	12:00 AM	9:00 AM	3:00 PM	9:00 AM



Current inbound demand (no advertising)

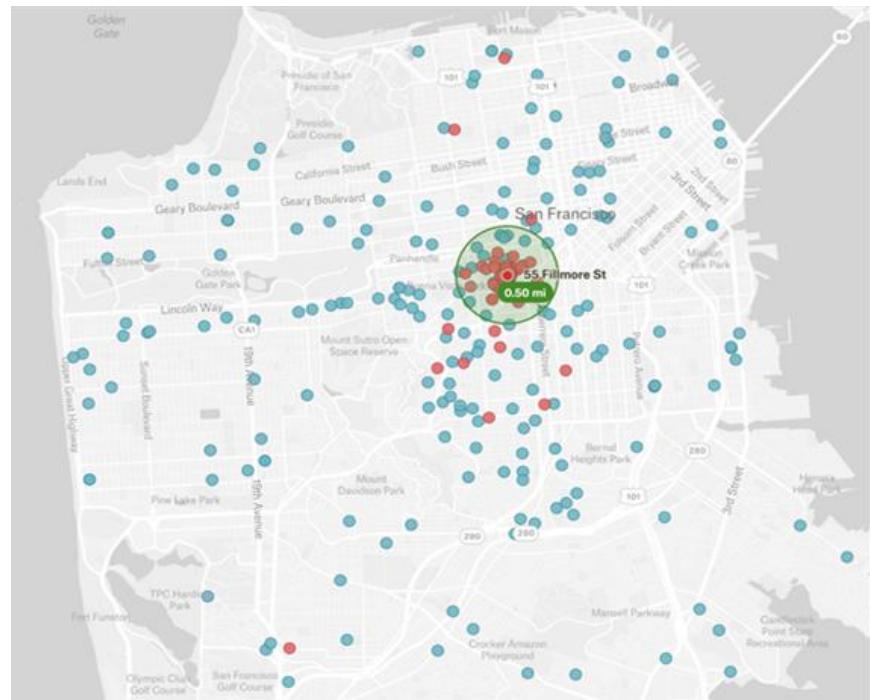
Properties on Waitlist



San Francisco Waitlist V2

- EV Driver; Property Owner/Mana...
- Property Owner/Manager

Drivers on Waitlist



SF Waitlist V3

- EV Driver Waitlist
- Active EV Driver

Developing Long-Term Permitting Process

Department Roles:

SFMTA: Lead project development, management, and operations

DPW: Support processes and permits for operation in public right-of-way

SFE: Advisory services for policy development, research, outreach, and monitoring/evaluation

SFPUC: Utility advisory services for site screening and eligibility

Developing Long-Term Permitting Process

Advance Program Priorities:

- Use available Prop L funding for (partial) planning
- Create new long-term permit for public right-of-way & coordinate interagency process
- Establish site selection process and mapping tool
- Explore mechanisms to select providers that will own/operate a network of well-maintained, well-utilized chargers, while supporting a revenue model (e.g., permit/licensing fees; revenue share)
- Engage communities and other stakeholders

For More Information

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Shannon Dulaney

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Visit the curbside website at sfmta.com/evcurbside



MEMORANDUM

TO: Julie Kirschbaum, Acting Director, San Francisco Municipal Transportation Agency
Tyrone Jue, Director, Department of the Environment
Carla Short, Director, Public Works
Dennis Herrera, General Manager, San Francisco Public Utilities Commission

FROM: John Carroll, Assistant Clerk, Land Use and Transportation Committee

DATE: May 6, 2025

SUBJECT: LEGISLATION INTRODUCED

The Board of Supervisors' Land Use and Transportation Committee has received the following proposed legislation, introduced by Supervisor Mandelman on April 29, 2025.

File No. 250472

Hearing on the status of San Francisco's Electric Vehicle (EV) Curbside Charging Feasibility Study, status of the EV Curbside Charging Pilot, next steps for implementation of a scalable public EV Curbside Charging Program; and requesting Municipal Transportation Agency, Department of Environment, Public Works, and Public Utilities Commission to report.

If you have comments or reports to be included with the file, please forward them to me at the Board of Supervisors, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102 or by email at: john.carroll@sfgov.org.

cc:

Offices of Chair Melgar and Supervisor Mandelman
Janet MartinSEN, San Francisco Municipal Transportation Agency
Joel Ramos, San Francisco Municipal Transportation Agency
Viktoriya Wise, San Francisco Municipal Transportation Agency
Peter Brastow, Department of the Environment
Charles Sheehan, Department of the Environment
Alice Hur, Department of the Environment
Joseph Piasecki, Department of the Environment
David Steinberg, Public Works
Ian Schneider, Public Works
Masood Ordikhani, San Francisco Public Utilities Commission
Jeremy Spitz, San Francisco Public Utilities Commission

Introduction Form

(by a Member of the Board of Supervisors or the Mayor)

I hereby submit the following item for introduction (select only one):

- 1. For reference to Committee (Ordinance, Resolution, Motion or Charter Amendment)
- 2. Request for next printed agenda (For Adoption Without Committee Reference)
(Routine, non-controversial and/or commendatory matters only)
- 3. Request for Hearing on a subject matter at Committee
- 4. Request for Letter beginning with "Supervisor" _____ inquires..."
- 5. City Attorney Request
- 6. Call File No. _____ from Committee.
- 7. Budget and Legislative Analyst Request (attached written Motion)
- 8. Substitute Legislation File No. _____
- 9. Reactivate File No. _____
- 10. Topic submitted for Mayoral Appearance before the Board on _____

The proposed legislation should be forwarded to the following (please check all appropriate boxes):

- Small Business Commission
- Youth Commission
- Ethics Commission
- Planning Commission
- Building Inspection Commission
- Human Resources Department

General Plan Referral sent to the Planning Department (proposed legislation subject to Charter 4.105 & Admin 2A.53):

- Yes
- No

(Note: For Imperative Agenda items (a Resolution not on the printed agenda), use the Imperative Agenda Form.)

Sponsor(s):

Mandelman

Subject:

Hearing - EV Curbside Charging Program

Long Title or text listed:

Hearing on the status of San Francisco's EV Curbside Charging Feasibility Study, status of the EV Curbside Charging Pilot, next steps for implementation of a scaleable public EV Curbside Charging Program, and calling on Sfmta, SF Environment, SfDPW, and Sfpuc to present.

Signature of Sponsoring Supervisor:

