



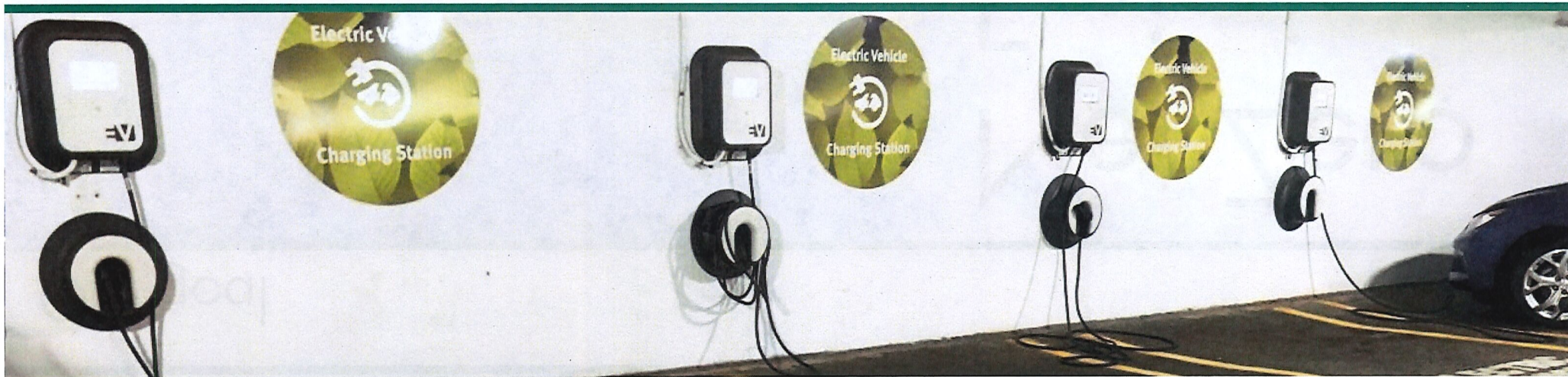
SF Environment

Our home. Our city. Our planet.

A Department of the City and County of San Francisco

Electric Vehicle Charging in Commercial Parking Facilities

Ordinance Amending the Environment and Police Codes



190793
9/30/19
SUBMITTED +
PRESENTED

10/20/2016
10/20/2016
10/20/2016
10/20/2016

Our goal



Net Zero Emissions



Decreasing emissions in a growing city (1990-2017)

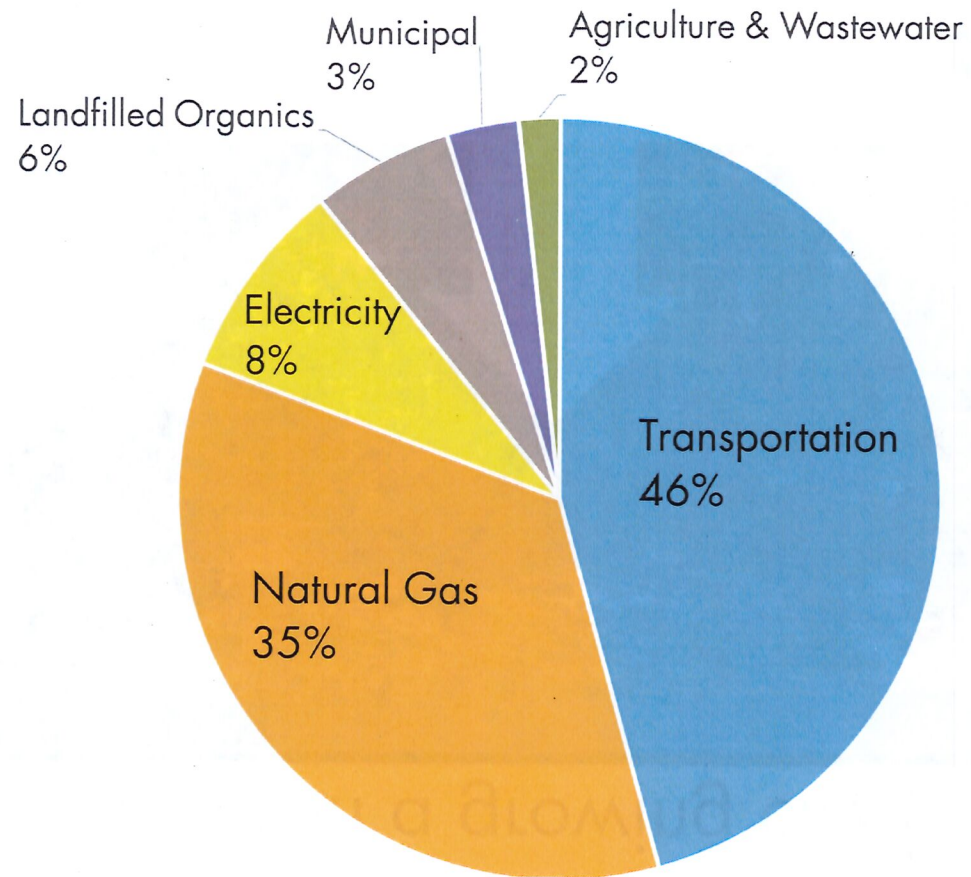


22%
Population

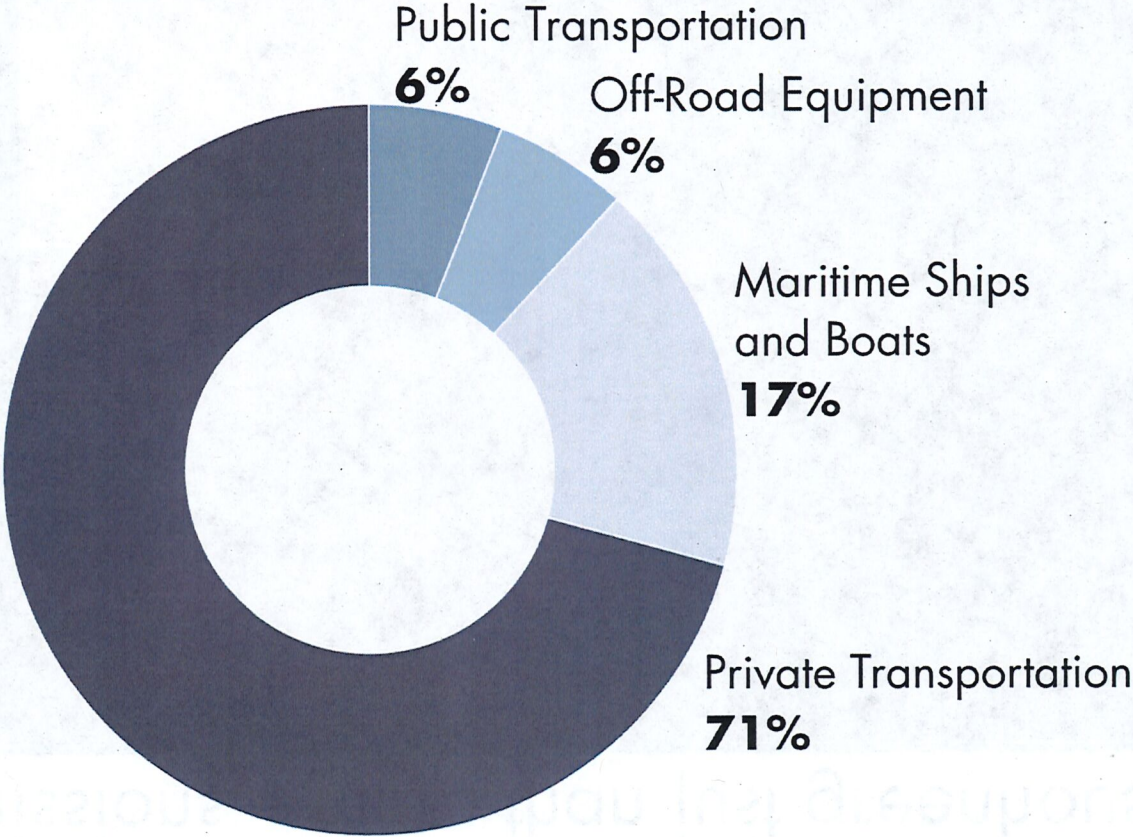
166%
GDP

36%

Emissions by sector (2017)



Transportation emissions (2017)



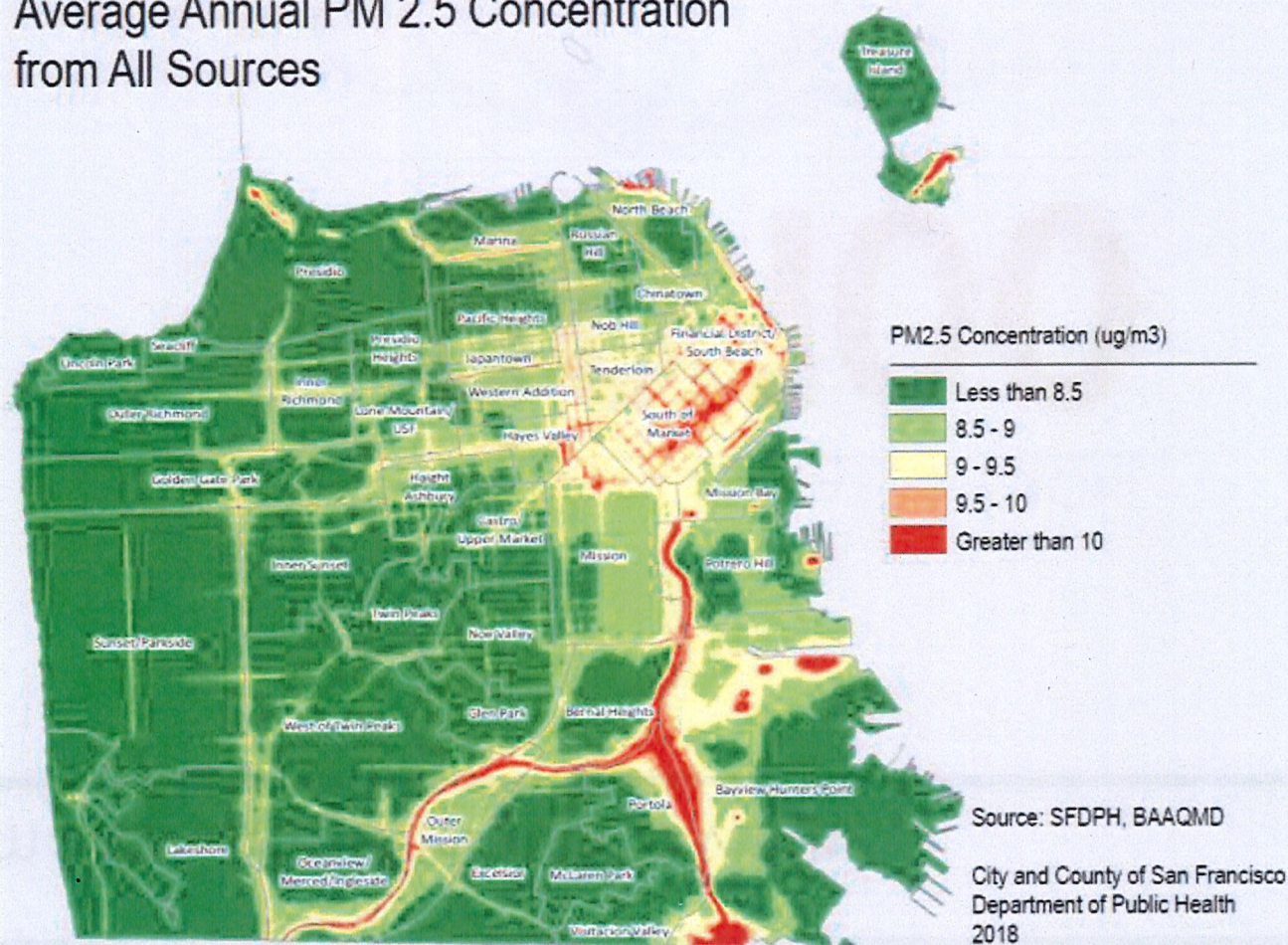
Tailpipe emissions – more than just greenhouse gases



Air quality and equity



Average Annual PM 2.5 Concentration
from All Sources

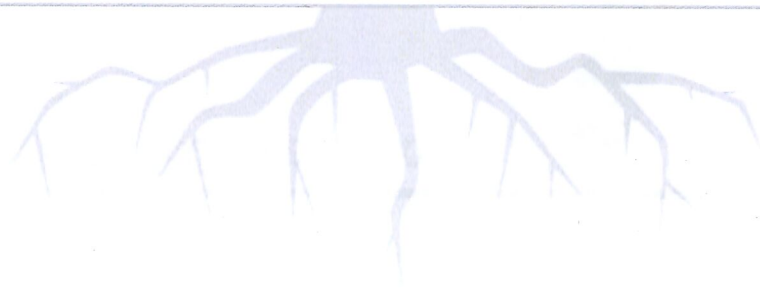


Need to mode shift and fuel switch



SAN FRANCISCO CLIMATE ACTION

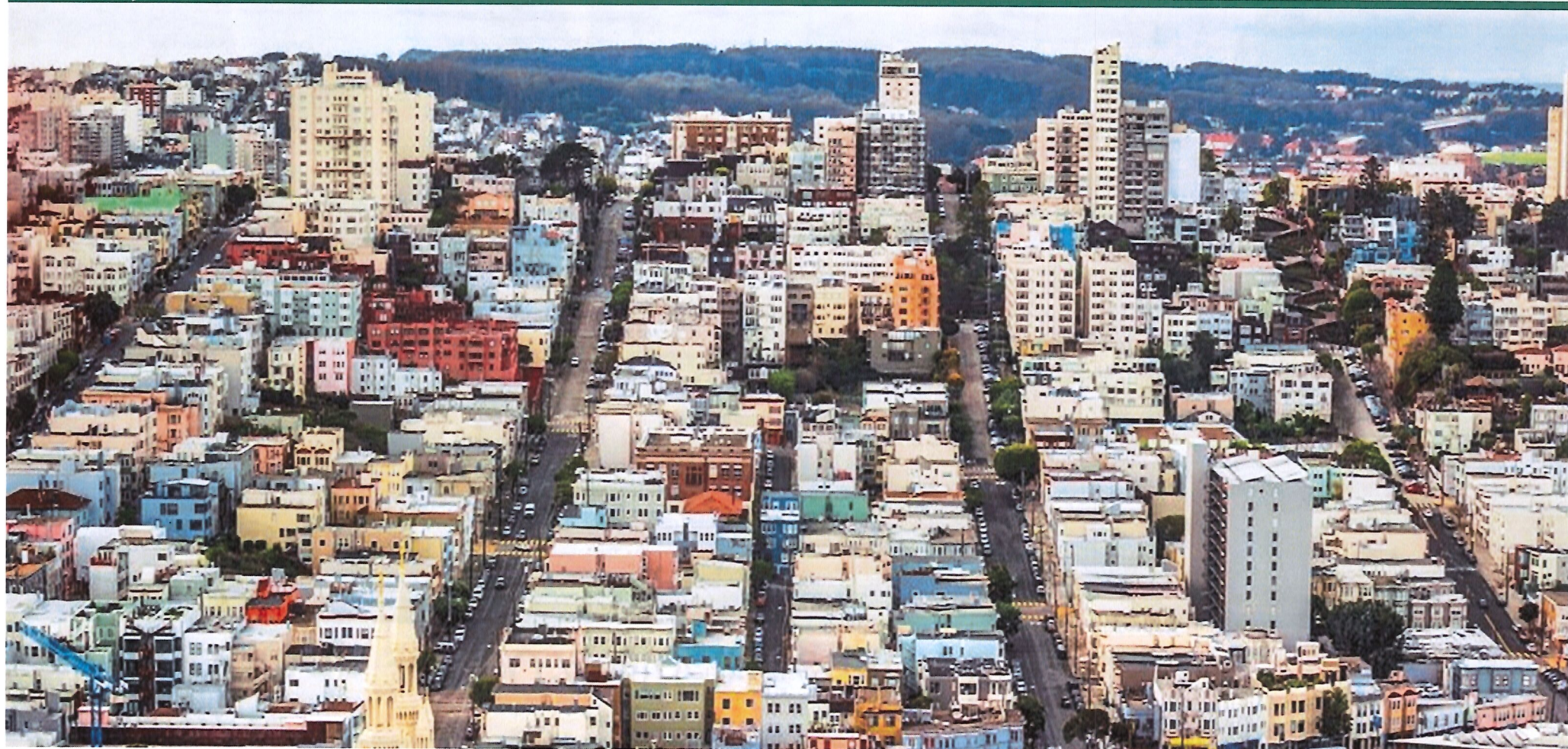
0 80 100



EV Roadmap – 100% electrification by 2040



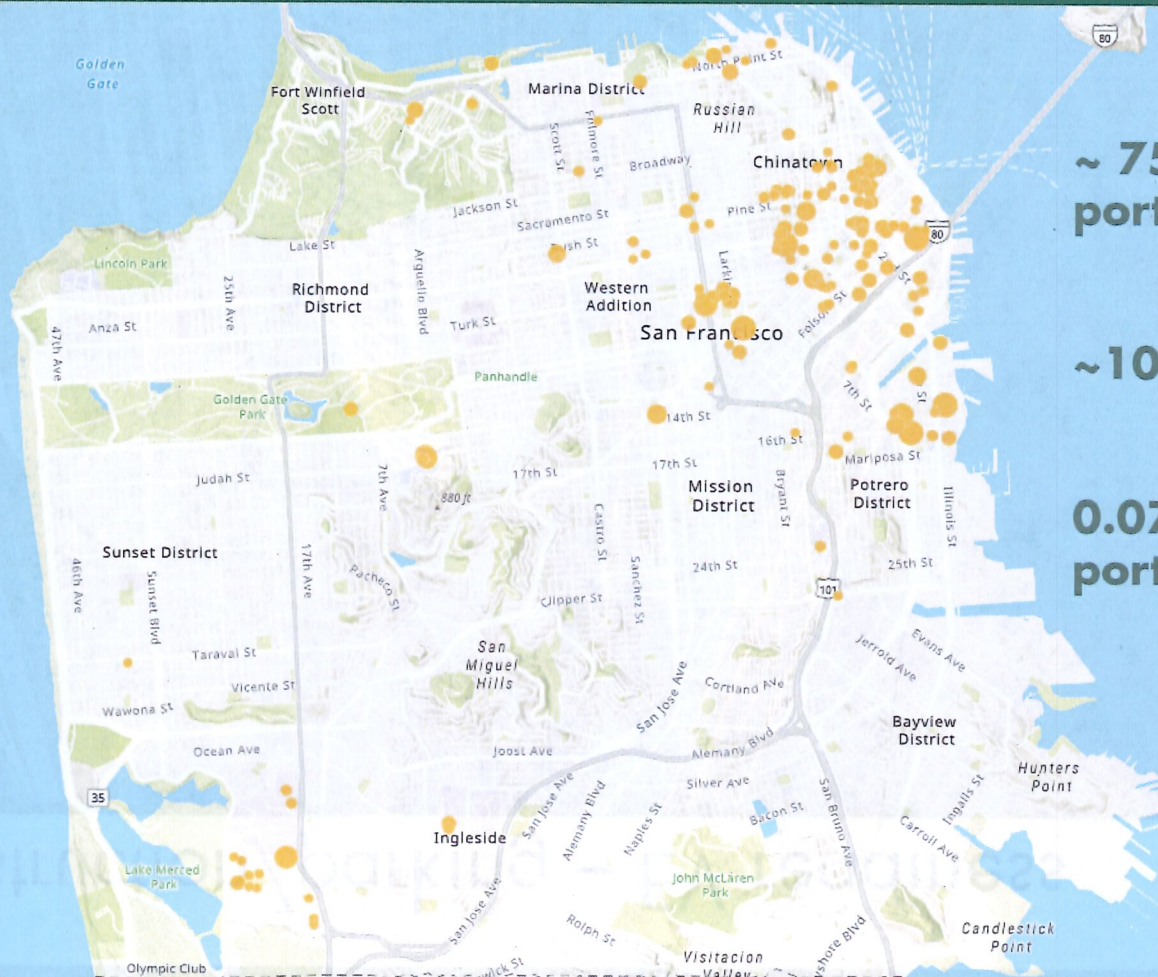
Key barrier: access to charging



New construction/parking – EV readiness



Current charging network

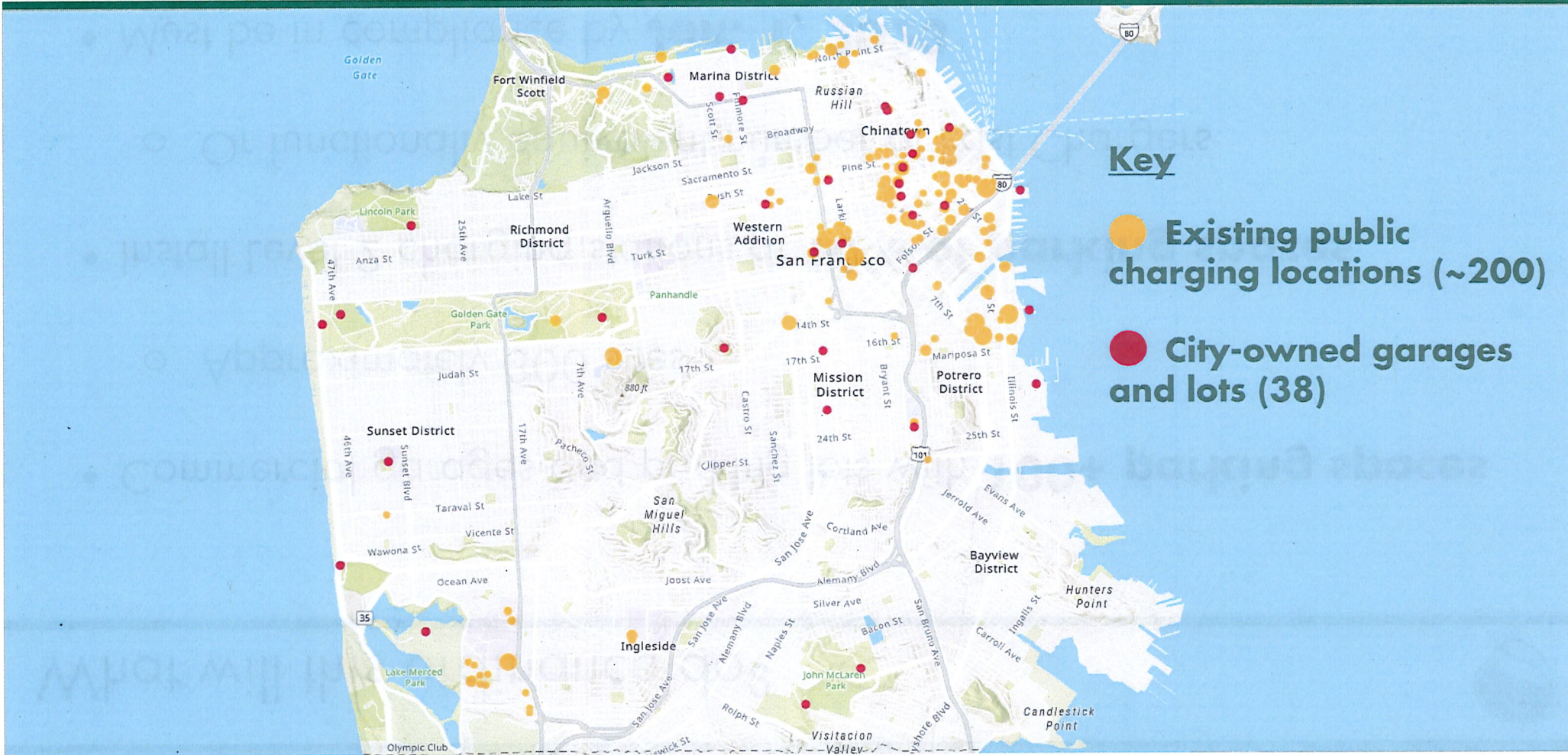


~ 750 public charging ports

~ 10,500 EVs registered

0.07 public charging ports per EV registered

Expansion in City-owned garages and lots



What will this ordinance do?



- Commercial garages and parking lots with **100+ parking spaces**
 - Approximately 300 sites
- Install Level 2 charging stations at **10% of parking spaces**
 - Or functionally equivalent number of Fast Chargers
- Must be in compliance by **Jan. 1, 2023**

What will this ordinance do?



- Requires a good faith analysis of financial and technical feasibility
- Ties to the commercial parking facility permit process
 - Issued by SFPD

Waiver process



- Existing **electrical capacity** is insufficient
- Installation is technically infeasible due to **site conditions**
- **Good faith effort** with at least two suppliers

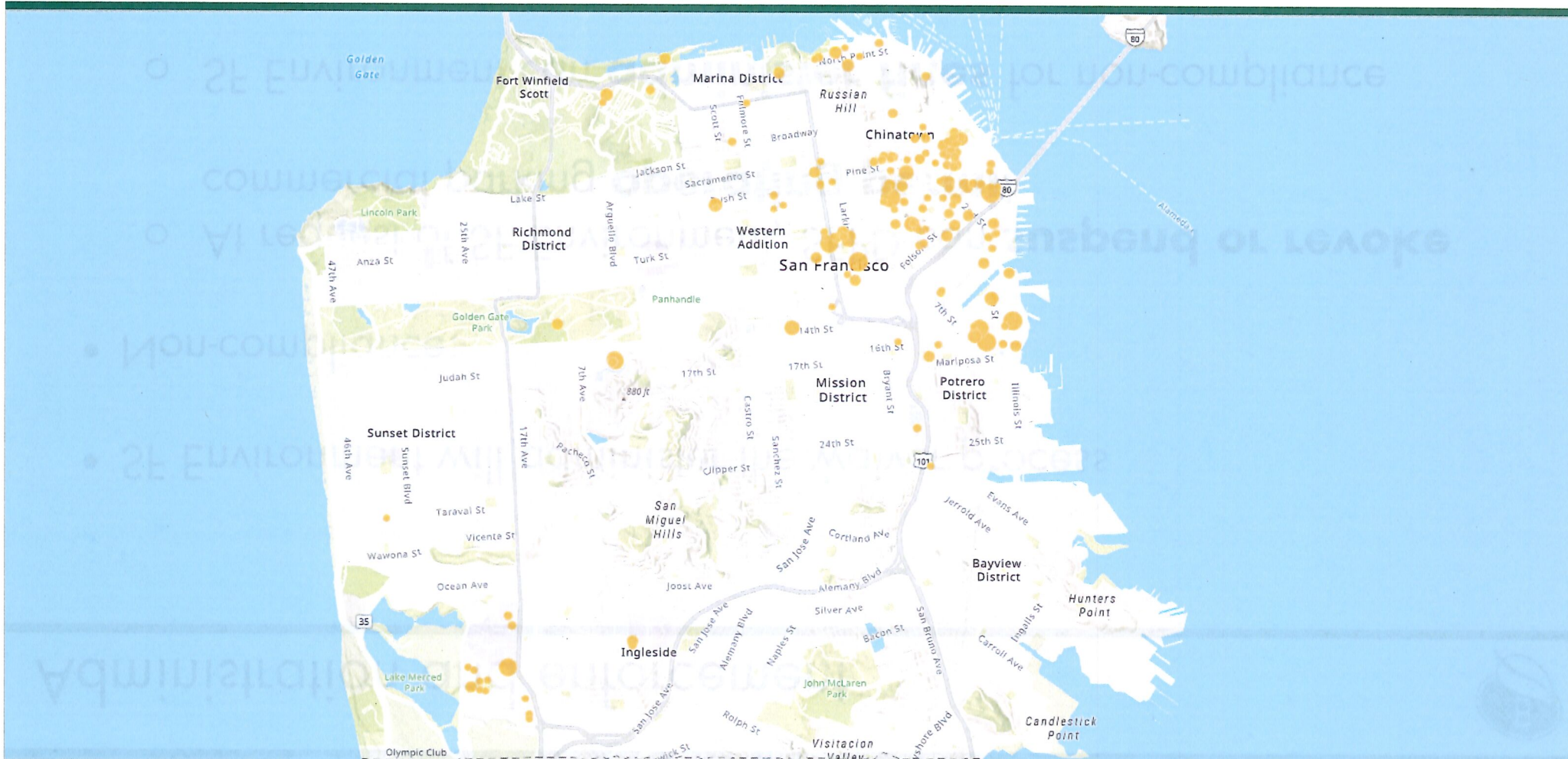
Administration and enforcement



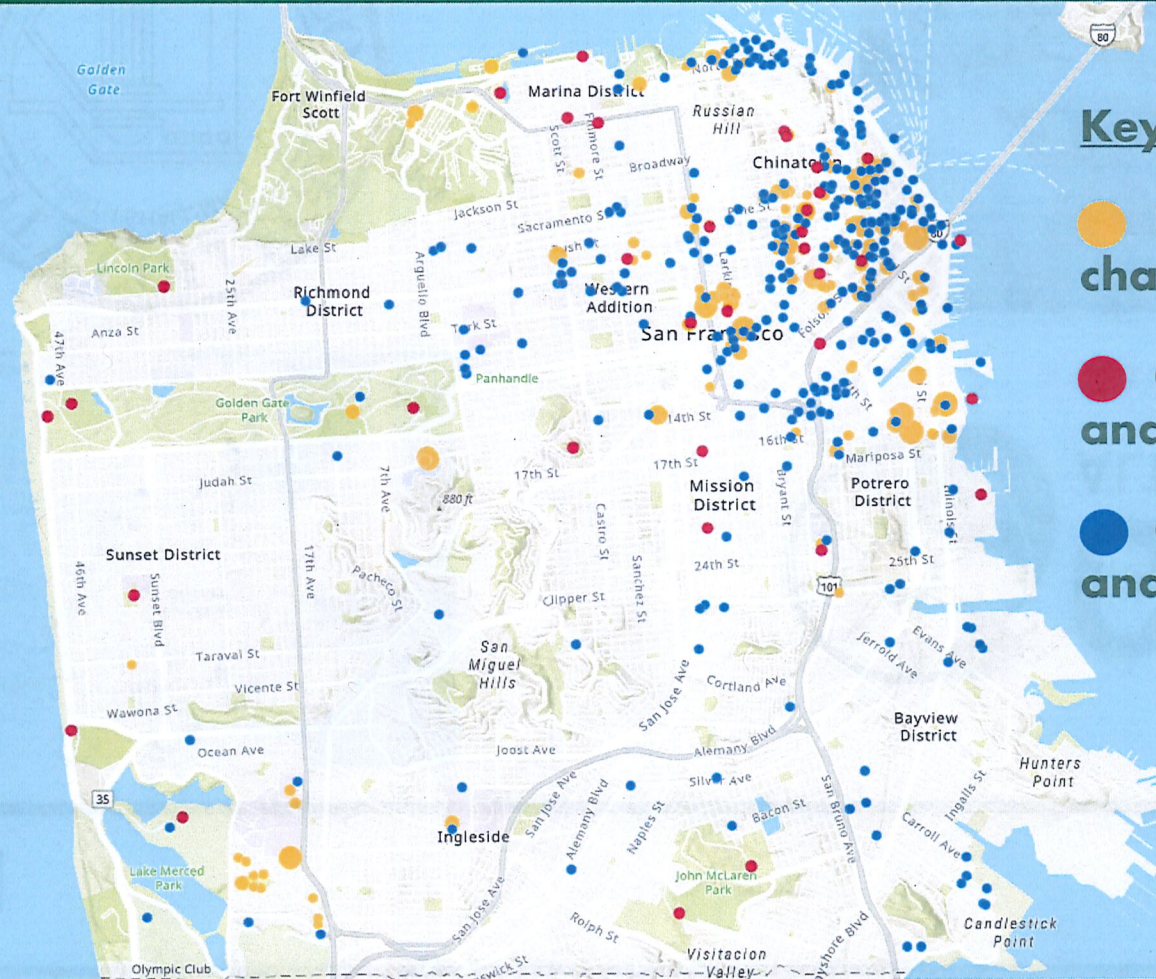
- SF Environment will administer the waiver process
- Non-compliance:
 - At request of SF Environment, SFPD can **suspend or revoke** commercial parking **operating permit**
 - SF Environment can **administer fines** for non-compliance

Potential impact of ordinance

Potential impact of ordinance



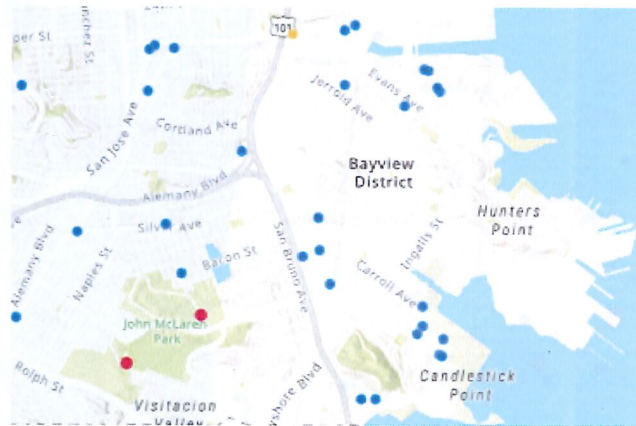
Potential impact of ordinance



Key

- Existing public charging locations (~200)
- City-owned garages and lots (38)
- Commercial garages and lots (~300)

EVs for all



Thank you!



Charles Sheehan
Chief Policy and Public Affairs Officer
SF Department of the Environment
(415) 355-3756
charles.sheehan@sfgov.org



SF Environment

Our home. Our city. Our planet.

A Department of the City and County of San Francisco

© 2019 SF Environment All Rights Reserved

The author of this document has secured the necessary permission to use all the images depicted in this presentation. Permission to reuse or repurpose the graphics in this document should not be assumed nor is it transferable for any other use. Please do not reproduce or broadcast any content from this document without written permission from the holder of copyright.