Getting to 80x50 in San Francisco: ZEV and RE Policy
San Francisco’s Low Carbon Economy

19.5% Population
78.0% GDP

28.4% GHG Emissions
Opportunity: RE + Zero Emission Vehicles

Source: PG&E
Parking of private cars in San Francisco

- Street parked, 124,320
- SFH parked, 166,821
- MUD parking (20+), 45,230
- MUD parking (1-20), 101,972
**Infrastructure**

**Electrical Service:** Size electrical infrastructure (electrical service, panels, transformers, etc.) to simultaneously charge vehicles in 20% of parking spaces.

**Building Electrical Systems:**
- **Turnkey EV Readiness:** Install 40A 208/240V circuits to 10% of spaces
- **EV Capable:** For all remaining spaces

  Install sleeves or conduit in locations that will be concealed or difficult to access except at new construction.

  Provide space for future electrical panels to serve up to 100% of spaces with EV chargers, and charging management

**Flexibility:** Allow upgrading to “fast chargers”

**Outreach**

EV Ready building owner/HOA must annually notify tenants of available electrical capacity for EV charging
Policy: Municipal ZEV Fleet Ordinance

10 percent of vehicles driven 5 or fewer days per month.

85% of vehicles average less than 30 miles per day

Plug-in Hybrid Electric Range up to 50 mi

Battery Electric Vehicle Range is 80+ mi
Policy: Municipal ZEV Fleet Ordinance

- Retire, right size, replace
- LD passenger vehicle fleet: 100% ZEV by 2022
  - BEV, FCEV, waivers for PHEVs
- Charging infrastructure planning
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