San Francisco’s ZEV Policies & Initiatives

October 23, 2018
Net Zero Emissions by 2050

- Population: 20%
- GDP: 111%
- GHG Emissions: 30%
Climate Action

SAN FRANCISCO CLIMATE ACTION

0 80 100
2016 GHG Emissions

- Transportation: 46%
- Residential: 19%
- Commercial: 27%
- Landfill: 5%
- Municipal: 2%
Transit First City
Emissions from Private Vehicles

2015 Transportation Sector Emissions

Cars & Trucks 91.3%

BART 5%

Muni 1.9%

Caltrain 0.7%

Ferries 1.1%

(Fig 1.2) Source of emissions within San Francisco’s transportation sector.
Zero Emission Vehicles: Local Policy
Strategic Focus:

- Public Awareness
- Incentives
- Charging Infrastructure
- Grid
- Medium/Heavy-Duty
- Emerging Mobility
EV Roadmap & Blueprint: Where are the cars?

- Parked On Street: 127,733
- Single Family Homes: 128,551
- Multi-Unit Buildings: 156,863
Multi-Unit Buildings
• Insufficient power supply
• Infrastructure barriers
• Deeded parking spaces
• Lack of dedicated parking

Single Family Homes
• Lack of garages / driveways
• Tenant/Landlord

Commercial Buildings
• Tenant/Landlord
• Lease rates
• Parking garage business model

On Street
• Permitted parking
• Constrained parking supply
• Planning / redevelopment
• Political will
Additional ZEV Initiatives

CARB ZANZEFF Grant (whoo hoo!!)
- Medium / Heavy Duty
- Goods Movement: Produce
- SF, Sacramento, Fresno

USDN Peer Learning Exchange
- Barriers: Curbside Charging

Port RFQ
- Coming Soon

H2
- 3 H2 stations coming soon

USDOE Clean Cities
- Electrify America (Appendix C & D)

Streamlined DER Permitting
PV + EVSE + Storage

Source: PG&E
Thank You

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