



4a. Metropolitan Transportation Commission Regional Coordination & Funding Opportunities

Implementing the Innovative Clean Transit (ICT) Regulation
Rob Jaques | Transit Capital Priorities Program Manager
October 29, 2019 | Bay Area Metro Center



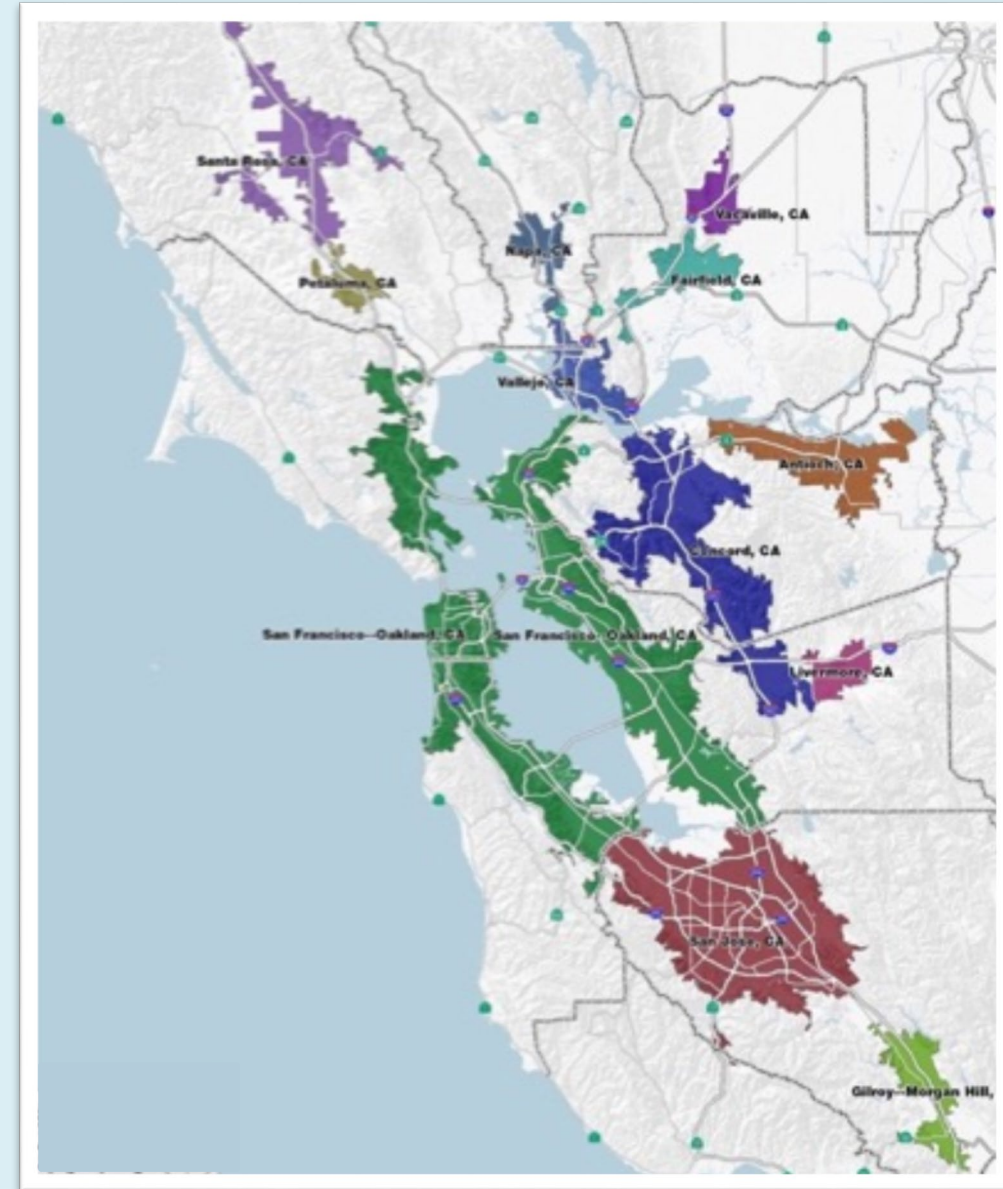
About the Bay Area Region

- 9 Counties
- 7.7 million residents
- 27 minute average solo driver commute time
- 49 minute average transit commute time
- 3.9 million jobs (19% increase from 2010)

- 25 transit operators (20 operate buses & affected by ICT Regulation)
 - Nearly **3,500 buses** throughout the Bay Area
- 1.8 million daily transit trips in 2018
 - +11% over last 25 years

About the Metropolitan Transportation Commission

- State-designated Regional Transportation Planning Agency
- Federally-designated Metropolitan Planning Agency
- Designated Recipient of Federal Transit Administration Section 5307 Formula Funds
- Responsible for:
 - Long-Range Transportation Plan (Plan Bay Area 2050 underway)
 - Sustainable Communities Strategy (SB375 mandate, jointly with the Association of Bay Area Governments)
 - Transportation Funding Programming
 - FHWA STP/CMAQ Funds (One Bay Area Grant Program)
 - FTA Formula Funds (Sections 5307, 5337, & 5339; Transit Capital Priorities Program)
 - Various State Funding Programs (STA, TDA, STIP, etc.)
 - Bridge Tolls



MTC Role in Transition to Zero-Emission Bus Fleet

- Funding Partner
 - Transit Capital Priorities Program:
 - FTA Formula Funds & Regional Bridge Tolls
 - \$500M+ annually
 - State of good repair funding
 - Other Funding
 - Regional Measure 3
 - Other regional, state, and federal funds
- Facilitator
 - Information Sharing – Transit Finance Working Group
- Technical Assistance
 - Grant Applications
 - Letters of Support
- Regional Partner with Bay Area Air Quality Management District (BAAQMD)

ICT Regulation & Regional Concerns

- Baseline cost for bus replacements (same fuel-type): \$5-6 billion (FY2019-FY2045)
- Cost Increment for zero-emission buses: **\$500 million – \$1.5 billion**, depending on rate of conversion
- Preliminary estimated cost of necessary infrastructure: **\$325 million**
- Total estimated increment: **\$800 million - \$1.8 billion**
- Currently, insufficient funding identified for implementation
- Additional state assistance critical for success
 - Align existing fund sources with ICT Regulation (SB1, VW, HVIP, & other Cap & Trade programs)

Present Day Bay Area Bus Fleet



Of 3,500 buses region-wide (all fuel types)

- 13 Hydrogen Fuel-Cell ZEBs – AC Transit
- 9 Battery-Electric ZEBs
 - Tri Delta Transit (4)
 - Marin Transit (2)
 - Soltrans (2)
 - Sonoma County Transit (1)
- 309 Electric Trolleybuses (SFMTA)

Source: MTC Regional Transit Capital Inventory, 2019



Near-term ZEB Deployment Plans (1-3 years)

- ZEB Implementation plans due to CARB:
 - Large Operators: July 2020
 - Small Operators: July 2023
- Operators Testing ZEBs (currently planned)
 - AC Transit – 5
 - Fairfield – 3+
 - SFMTA – 9
 - Santa Rosa – 5
- Facilities Planning Underway



Mid-term ZEB Deployment Plans (3-5 years)

- At least 500 buses for 5 operators (current estimates)
 - AC Transit – 45-140
 - County Connection – 40
 - SamTrans – 135
 - SFMTA – 80
 - VTA – 200
- Estimated cost increment – **Above \$60 million**
- Facilities: TBD, operators still planning/scoping

Opportunities Going Forward

Multiple state funding sources identified: HVIP, VW, Carl Moyer, AB617, LCTOP, and TIRCP

A start, but **up to \$1.8 billion** in additional funding needed in Bay Area alone:

- Facilities Planning & Construction - Bay Area cost: ~\$325M
- ZEB Cost Increment - Bay Area cost: \$500M-\$1.5B
- Increase funding to fully fund the cost increment
- Align fund sources with regulation
 - Make available for mandated ZEB purchases (ICT Regulation)
 - Make available for ZEB infrastructure

Upcoming Funding Opportunities

- MTC currently developing TCP Program policies for FY21
 - Evaluating bus funding policies to incentivize ZEB procurements
- Cap & Trade Programs Upcoming
 - AHSC, LCTOP, TIRCP – important sources of region’s ZEB funding to date
- Bay Area Air Quality Management District Programs
 - Carl Moyer Program – Ongoing (<http://www.baaqmd.gov/moyer>)
 - Community Health Protection Program (AB617) – Ongoing (<http://www.baaqmd.gov/ab617grants>)
- Volkswagen Environmental Mitigation Trust
 - \$130 million available for ZEBs (and other bus types)
 - Up to \$400,000 per vehicle available
 - First-round solicitation of funding **NOW OPEN!** (<http://vwbusmoney.valleyair.org>)
- Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)
 - Up to \$175,000 for battery bus and \$315,000 for fuel cell bus
 - First come, first served program
 - Program Information: <https://www.californiahvip.org/>

Contact Information

Rob Jaques

Transit Capital Priorities Program Manager

415.778.5378

rjaques@bayareametro.gov

<http://www.bayareametro.gov>