4a. Metropolitan Transportation Commission
Regional Coordination & Funding Opportunities

Implementing the Innovative Clean Transit (ICT) Regulation
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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)**
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

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