



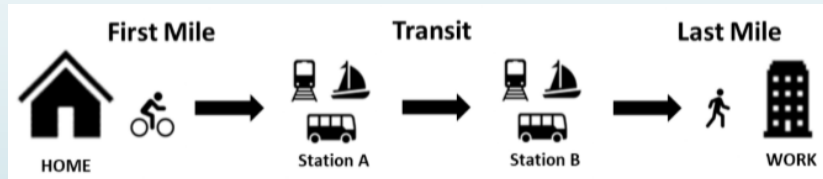
BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Pre-Application Workshop

Grant Program for Pilot Trip Reduction Microtransit Projects

February 8, 2019

Linda Hui
Staff Specialist





Webinar Information

This webinar is being recorded.

The presentation will be posted to the Program Website.

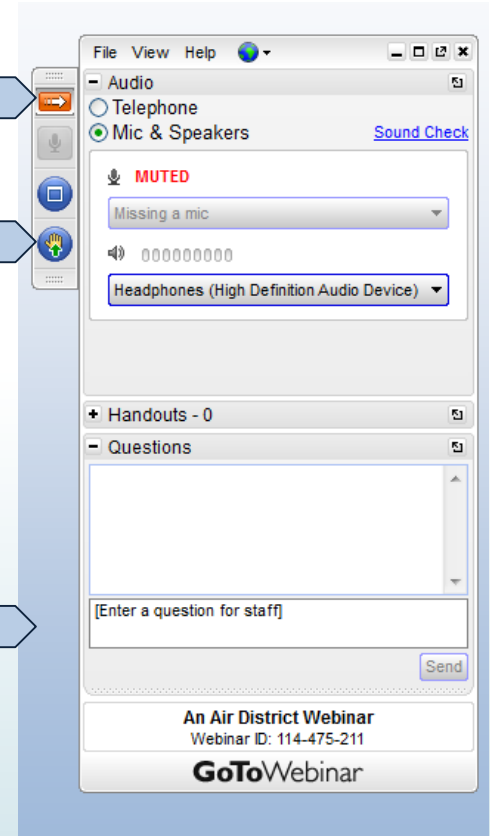
Questions will be answered at the end of the presentation.

Type in questions using the Questions Box.

Show/Hide Control Panel

Raise Hand

Questions Box





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Overview

1. Introduction & Background

2. Program Overview

- Eligibility
- Key Program Requirements/Obligations
- Application Instructions
- Reimbursement Process
- Program Schedule and Deadlines

3. Contact Information and Questions



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Introduction & Background

Bay Area Air Quality Management District (Air District):

- Established in 1955
- Nine Bay Area Counties
- Seven Million Residents
- 5,340 square miles

Mission:

“To protect and improve public health, air quality, and the global climate.”

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Program Overview

- **Purpose:** Test microtransit service's ability to cost-effectively reduce single occupancy vehicle trips by providing first- & last-mile connections to mass transit

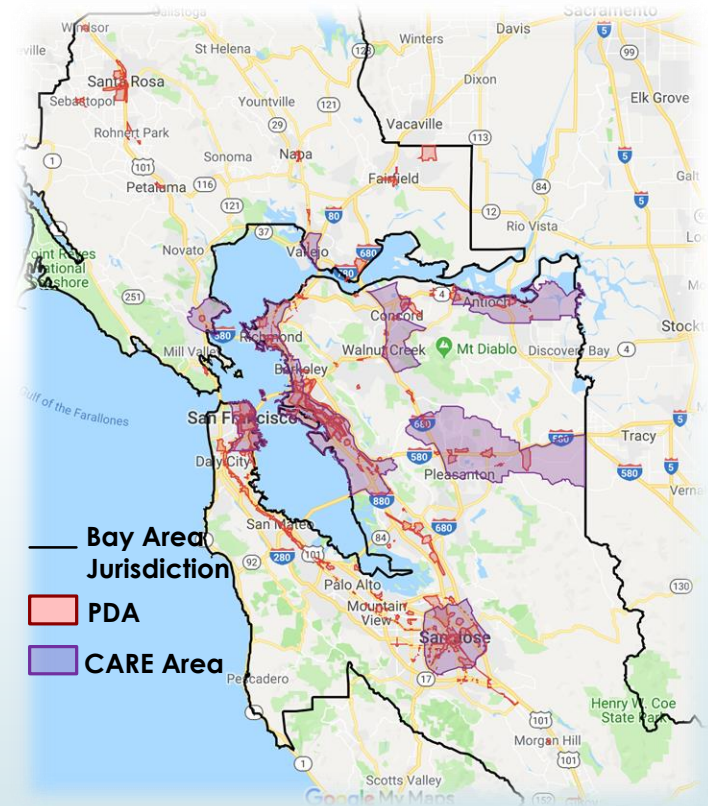
- **Up to \$7 million available:**
 - Project must **qualify** for **a minimum of \$100,000** in TFCA funds
 - Funds limited to **90% of Eligible Costs & \$1.5 million per agency per calendar year**

- **Eligible applicants** include:
 - Public transit agencies
 - Congestion management agencies and MPO
 - Applicants who submitted a letter of interest to Air District by March 2018



Eligible Projects

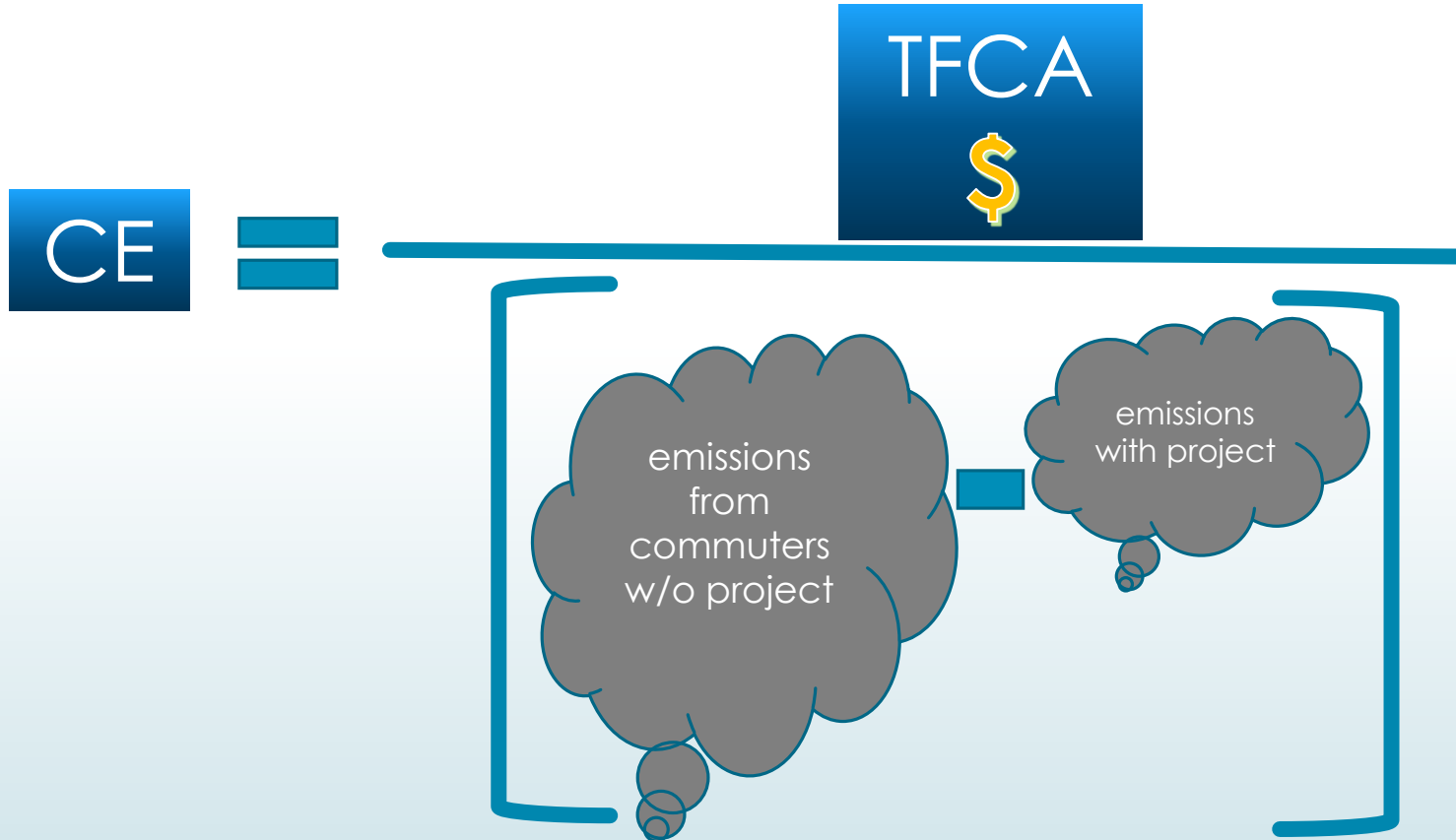
- Shared transportation services that operate on an existing demand-response based technology system
- Short first- & last-mile connection to a major transit, rail, or ferry station
- Operate during peak commute hours
- Be new or significantly expand an existing service
- Primarily serve residents in a [Community Air Risk Evaluation \(CARE\) Area](#), or in a [Priority Development Area \(PDA\)](#)
- CE \leq \$250,000 of TFCA \$ awarded per ton of emission reduced





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Cost-effectiveness





Eligible Projects (continued)

- Have one or more routes that can be
 - Fixed route, with an on-demand schedule
 - Flexible route, with either a fixed or on-demand schedule
- Available to all members of the public
- May be operated by a private or public entity
- Use vehicle with a gross vehicle weight rating $\leq 26,000$ lbs.
- Comply with all applicable federal, state, & local regulatory requirements
- Construction work is performed by a CA licensed contractor
- Ineligible:
 - Stand-alone app/software development projects
 - Project has received TFCA funding



Key Applicant/Project Sponsor Obligations

- Attend at least one pre-application webinar
- Conduct pre-project user survey
- Sign funding agreement and return within 60 days
- Launch service within 12 months from contract execution
- Submit progress reports & acknowledge Air District as funding source
- Operate continuously for 12-24 months, which includes **a non-TFCA funded period** for at least 3 months for each route
- Pay all project costs prior to requesting reimbursement
- Conduct post-project user survey and submit final report
- Participate in workgroups and development of white paper
- Maintain all project records
- Cooperate with physical inspections and audit (financial & compliance)

1. Application

2. Evaluation & Award

3. Implementation

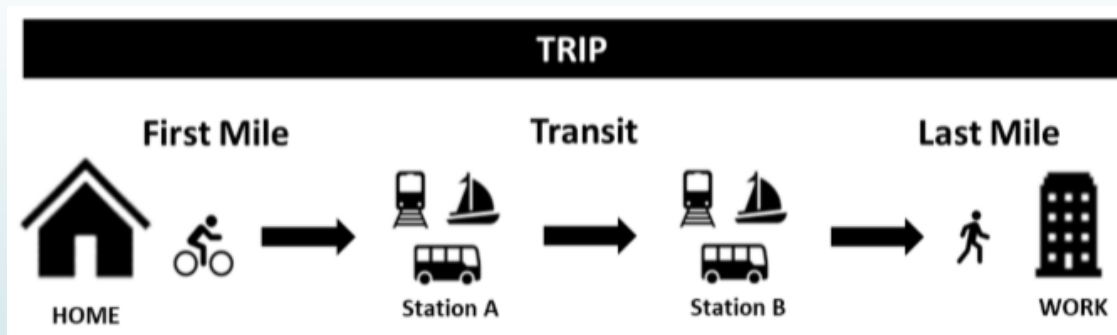
4. Operational

5. Post-Operational



Pre-project User Survey

- User surveys will be used to determine the amount of surplus emissions that will be reduced from each project route
- Survey questions are included in Appendix C of the Guidance
 - Home and workplace zip codes
 - Ways commute to work w/o project
 - How the proposed service will be used





Application Instructions

- **Step 1:** Submit application online at www.baaqmd.gov/ptr
- **Step 2:** Mail one hardcopy of all application materials to:

**Bay Area Air Quality Management District
ATTN: Chengfeng Wang, Program Manager
375 Beale Street, Suite 600
San Francisco, CA 94105**

Applications must be received by **4pm on March 15, 2019**

Required documents:

- Letter of Commitment / Resolution (*must be submitted by April 11, 2019*)
- Ridership/user counts & user survey raw data/results + methodology
- Map and operating schedule for each service route
- Info on vehicles used for service (DMV registration, EOs of engine & any retrofit device)
- Line-item budget



Application Form

PART 4. Service

Service Area/Route

If the project includes more than one service area/route, this section must be completed for each service area/route. To add another service area/route, click on "Add another service area/route" on the bottom right-hand corner of this section.

Location

Upload a map outlining the service area/route *

No file chosen

[Add another map](#)

List major transit, rail, and/or ferry station that the service would connect to: *

Will this serve residents and/or operate in a Bay Area [Highly Impacted Community or designated Planned or Potential Priority Development Area \(PDA\)](#)? *

Yes No

If you selected "No," your project is not eligible for this program.

[Add another service area/route](#)



Scenario

Microtransit connecting a low-density residential community to a rail station

- **One Nissan leaf** operates weekdays (**240 days per year**)
- Hours of operation: 6-9 AM and 3-7 PM = **7 hours total**
- Average: **35 boarding per day**
- 5-7 square miles service zone
- Average trip length = **4.6 miles**

Requested Amount (one year): \$100,000

$$CE = \frac{TFCA \$}{\Delta Emissions (tons)} = \frac{\$100,000}{0.0908 tons} \approx \$1.1 \text{ million/ton} > \$250,000/\text{ton}$$

This project is not CE at the requested amount.



Scenario

Microtransit connecting a low-density residential community to a rail station

- **One Nissan leaf** operates weekdays (**240 days per year**)
- Hours of operation: 6-9 AM and 3-7 PM = **7 hours total**
- Average: **35 boarding per day**
- 5-7 square miles service zone
- Average trip length = **4.6 miles**

Requested Amount (one year): \$22,000

$$CE = \frac{TFCA \$}{\Delta Emissions (tons)} = \frac{\$22,000}{0.0908 tons} \approx \$242,000/ton \leq \$250,000/ton$$

Although project is CE, it would not be eligible because the award amount is less than the minimum requirement (\$100,000).



Scenario

Microtransit connecting **five** low-density residential communities to a rail station

- **Five Nissan Leafs** operate weekdays (**240 days per year**)
- Hours of operation: 6-9 AM and 3-7 PM = **7 hours total**
- Average: **175 boarding per day**
- 5-7 square miles service zone
- Average trip length = **4.6 miles**

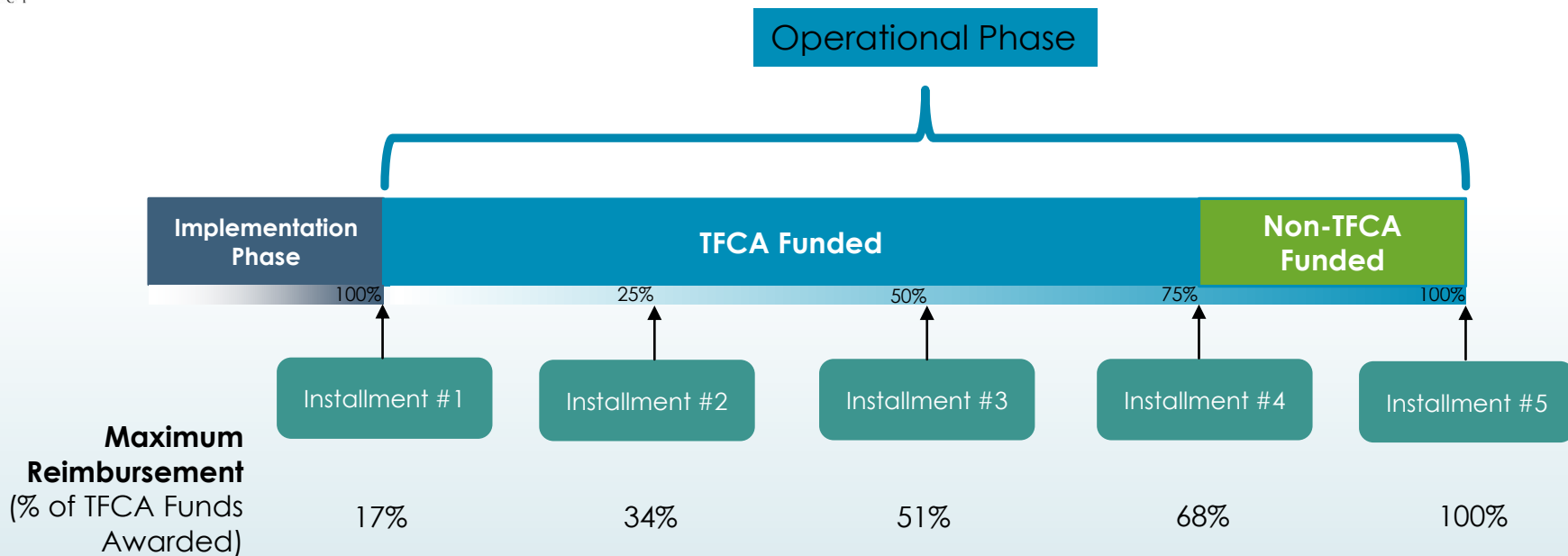
Requested Amount (one year): \$113,500

$$CE = \frac{TFCA \$}{\Delta Emissions (tons)} = \frac{\$113,500}{0.454 tons} \approx \$250,000/ton \leq \$250,000/ton$$

Project is CE and eligible for requested amount. The max. award amount for two years is \$227,000.



Reimbursement Process





Eligible Costs

Eligible Costs

Start-up costs:

- Purchase or lease of vehicles
- Installation of new alternative fuel stations
- Outreach activities and materials (not to exceed \$15,000)

Operational costs:

- Documented hourly labor charges
- Vehicle maintenance and fuel (e.g., electricity, hydrogen)
- Third-party transportation service

Examples of Ineligible Costs

- Cost not directly related to the operation of the service
- Costs related to grant administration
- Feasibility and planning studies
- Any work conducted prior to the execution of a grant agreement



Other Trip Reduction Projects

- Opportunity for eligible applicants to submit proposals for funding to support trip reduction projects
- Examples:
 - Non-microtransit first- and last-mile services
 - Electrification of existing trip reduction services (e.g., buses, rail)
- Contact us to discuss your proposal
- *Applications must be received by **4 PM, March 5, 2019***



Tentative Program Schedule

APPLICATION

- **Microtransit DUE 4 PM, 3/15/19**
- **Other Trip Reduction DUE 4 PM, 3/5/19**
- Board/Council resolution due 4/11/19
- Pre-application webinars: 1/8, 1/24, 2/8

EVALUATION & AWARD

- MAY 2019**
 - Mobile Source Committee considers recommendations
- JUNE 2019**
 - Board considers recommendations
 - Proposed Funding Agreements sent to awardees

IMPLEMENTATION

- SEPTEMBER 2019**
 - Funding Agreements executed
 - Project implementation must be completed within 12 months

OPERATIONAL

- Operate 12-24 months, including a non-TFCA funded period
- Conduct post-project User Survey
- Participate in workgroup & development of white paper

POST-OPERATIONAL

- Audit
- Records retention



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Thank You!

www.baaqmd.gov/ptr

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