



Grants Available for Agricultural and Off-Road Emission Reduction Projects

Welcome to the webinar

We will begin in **5** minutes

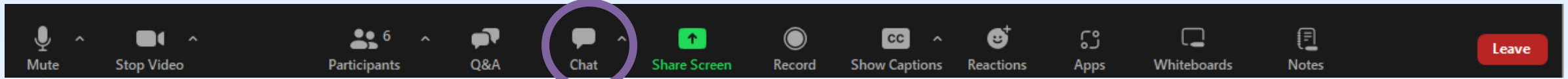


Grants Available for Agricultural and Off-Road Emission Reduction Projects

Jessica DePrimo • Megan Mabry • Spencer Pignotti • Heidi Howerton • Danny Anderson

February 6, 2024 • Bay Area Air Quality Management District

This webinar is being recorded



- We have **muted** all the participants audio and turned off participant cameras.
- Please send questions to **“Pls send me your questions - Megan”** in the chat box. (We will answer them at the end of the presentation.)
- Presentation slides are available at <https://www.baaqmd.gov/funding-and-incentives/apply-for-funding> and the recording will be posted there as well.
- Email grants@baaqmd.gov for other questions or needs.

Order of Discussion

Background

- Air District priorities

Funding Overview

- Geographic eligibility requirement
- Funding available

Funding Category

- Equipment and projects types
- Eligibility requirements

Application Process

- How to apply
- Process overview



AIR DISTRICT

- 9 counties
- 7 million people

AIR QUALITY AGENCY

- **Grants for mobile equipment**
 - Fund technologies and projects that reduce air pollution
 - Community input to inform Air District's outreach and project types

BAAQMD



est. 1955

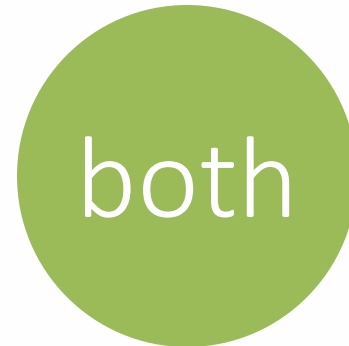
Priority Areas



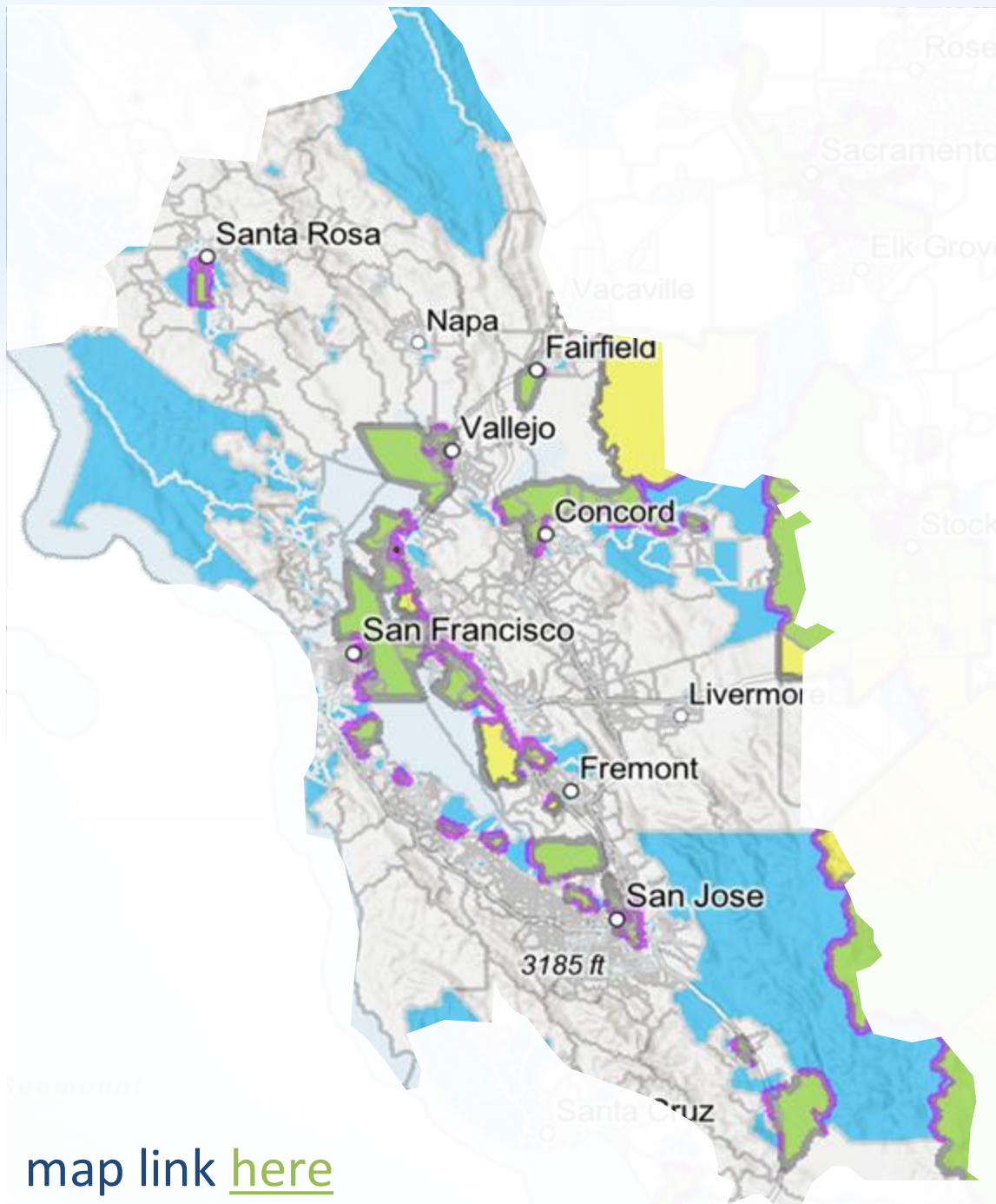
Low-income Community



Disadvantaged Community



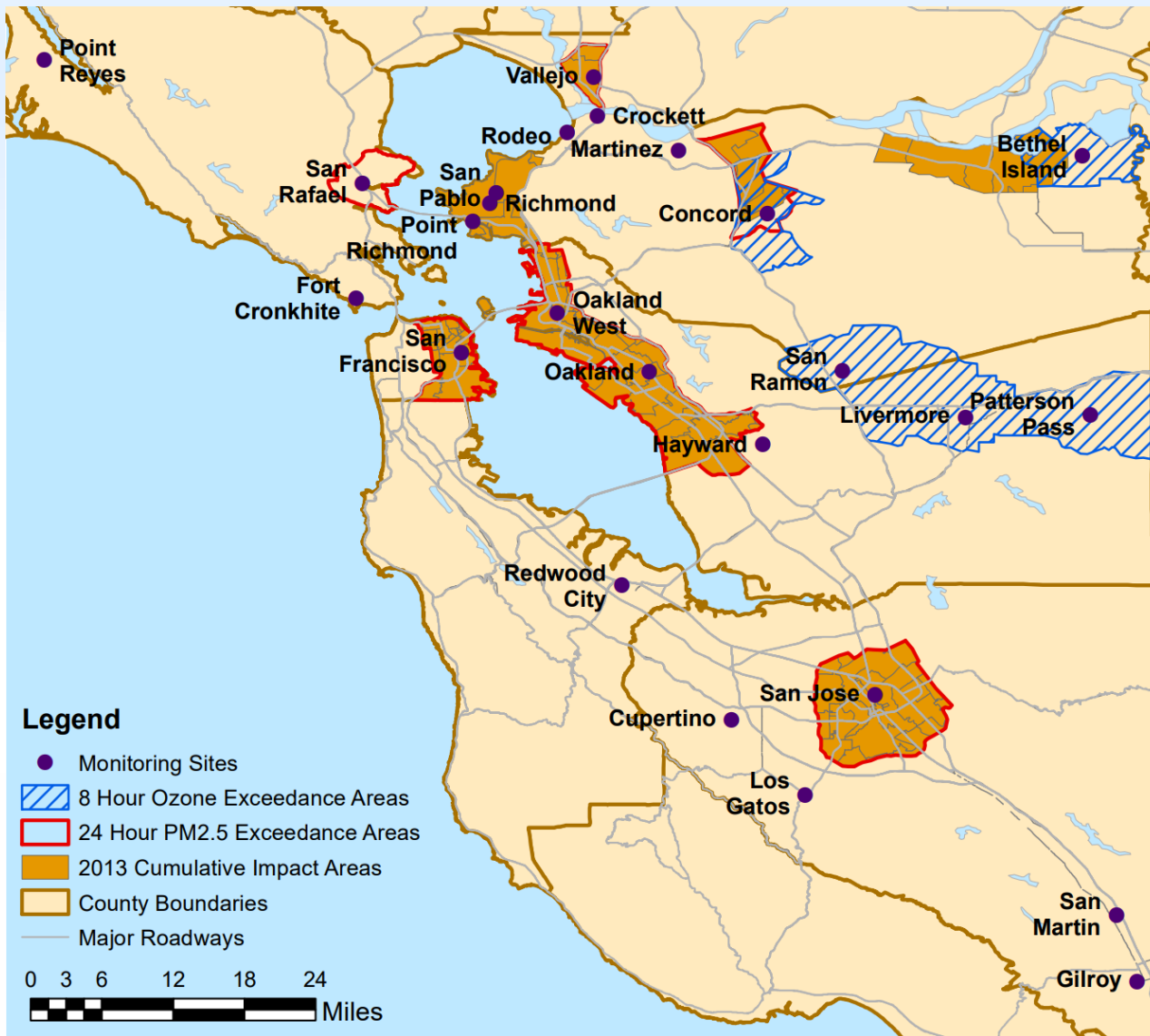
green = blue + yellow



map link [here](#)

Priority Areas

Community Air Risk Evaluation Program (CARE)



pdf map link [here](#) interactive map link [here](#)

Fill this out

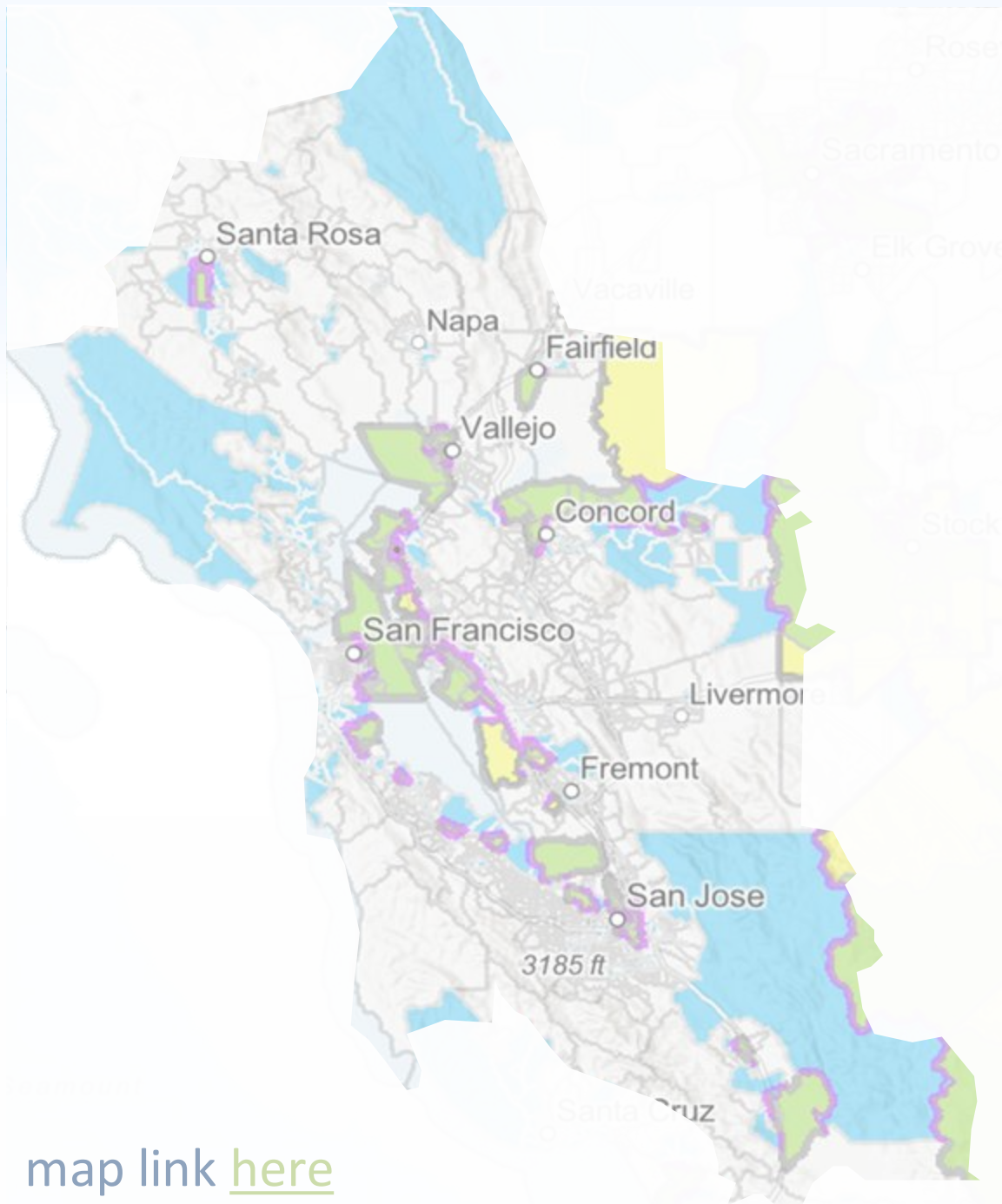
2023-2024 Geographic Eligibility Form

Funding for this cycle is only available for eligible projects where emission reductions benefit the Air District's most impacted communities, as defined below. **Applicants must complete Page 1 of this form and submit it with their application.** Please see page 2 for additional instructions. Provided information will be verified by Air District staff.

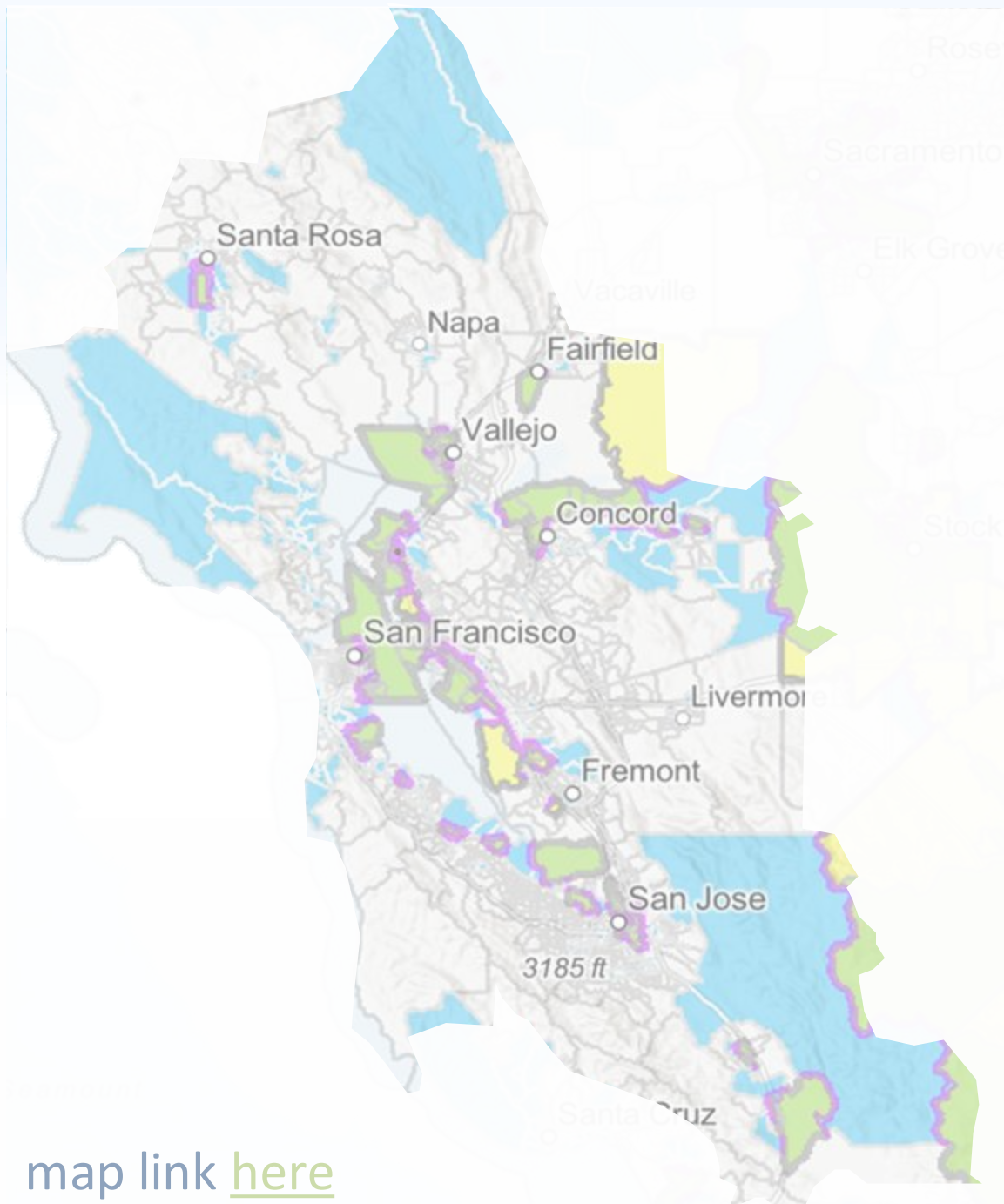
Form:

To my best knowledge, this proposed project is: *(check applicable box)*

- **A marine vessel:**
 - Domiciled in West Oakland, East Oakland, Richmond-San Pablo, or Bayview-Hunters Point/Southeast San Francisco
 - Operating 90% within the San Francisco Bay
- **A locomotive:**
 - Domiciled in,
 - Operating at least 30% in,
 - With at least one stop in, West Oakland, East Oakland, Richmond-San Pablo, or Bayview-Hunters Point/Southeast San Francisco
- **An electric school bus or electric or hydrogen transit bus (with optional charging infrastructure):**
 - Domiciled in,
 - With at least one stop in, West Oakland, East Oakland, Richmond-San Pablo, or Bayview-Hunters Point/Southeast San Francisco OR other areas in the Bay Area designated as disadvantaged or low-income communities
- **Off-road equipment:**
 - (non-agricultural) operating at least 30% in West Oakland, East Oakland, Richmond-San Pablo, or Bayview-Hunters Point/Southeast San Francisco OR other areas in the Bay Area designated as disadvantaged or low-income communities
 - (agricultural) exempt from priority area requirement



map link [here](#)



map link [here](#)

\$82M

projects in
priority
areas

\$8M

agricultural
projects
in any area

**Applications first come,
first served**

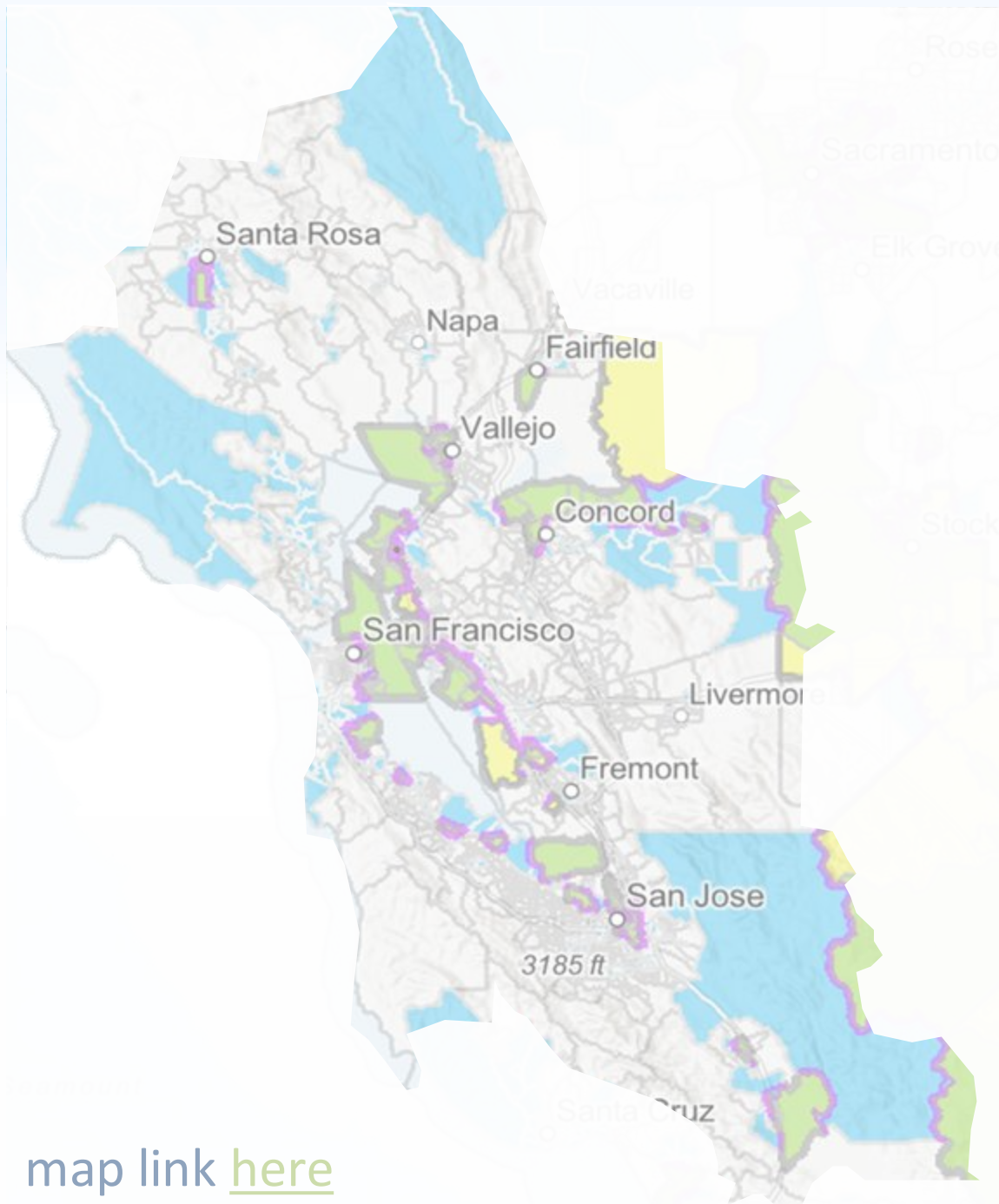
Application Deadlines

Feb 28

- Airport ground support to Zero Emission (ZE)
- Large forklifts (lift capacity 8,001+lbs)
- Port Cargo Handling Equipment to ZE
- Marine Vessel Engine Repower to ZE
- Shorepower

Mar 28

- All other off-road (including forklifts < 8,001 lbs.)
- Agricultural



map link [here](#)

Project Types

Replacement

Replacement of older, dirtier equipment with newer, emission-certified or cleaner equipment

Repower

Replacement of existing engine with a newer, emission-certified or cleaner engine

Conversion

Replacement or modification of original engine or vehicle with a cleaner engine or system that provides motive power and different fuel

Add-on Infrastructure

Installation of alternative fuel and charging infrastructure to support eligible equipment

Off-road

Application Period Ends: **Mar 28**



excavator



loader



portable engine

Eligible
Replacement
Technology

diesel

hybrid

electric

infrastructure

Agricultural

Application Period Ends: **Mar 28**



tractor



skid steer loader



backhoe

Eligible
Replacement
Technology

diesel

hybrid

electric

infrastructure

Small Forklift

<8,001 lbs. Lift Capacity

Application Period Ends: **Mar 28**



diesel



large spark ignition (LSI)

Eligible
Replacement
Technology

diesel

hybrid

electric

infrastructure

Large Forklift

8,001+ lbs. Lift Capacity

Application Period Ends: **Feb 28**



Eligible
Replacement
Technology

~~die~~l~~~~

~~hy~~ri~~d~~

electric

infrastructure

Airport Ground Support Equipment

Application Period Ends: **Feb 28**



ground power unit



passenger stand



baggage tug



belt loader

Eligible
Replacement
Technology

~~die~~l~~~~

~~hy~~br~~id~~

electric

infrastructure

Transportation Refrigeration Unit

Application Period Ends: **Mar 28**



Trailer TRU



Box Truck TRU

Eligible
Replacement
Tech

~~die~~l~~~~

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electric

infrastructure

Additional Funding Categories



School Buses



Marine vessels



Locomotives



Heavy-Duty Trucks

Eligibility Basics

- **Scrap and replace:** must retire and destroy old equipment
- Demonstrate old equipment is operational
- Demonstrate usage in Bay Area for previous 24 months
- Operate equipment in Bay Area 75+% of time
- Old equipment: diesel engine • 25+ hp
- New equipment: cleanest available diesel, hybrid, or electric

Regulatory Compliance

- Comply with any applicable air quality regulations
- No air permit violations
- Complete project before any compliance deadlines
- Cannot use funding to achieve compliance
- Call the CARB regulatory hotline for more info
(1-866-6-DIESEL)

Reimbursable Costs

- Base cost of equipment or replacement engine
(no additional features, options, upgrades, or add-ons)
- Essential features for the same work and included on old equipment
(Examples: 4WD, cabs, loader attachments, weights, blades, etc.)
- Sales tax
- Freight charges

Funding Examples

Equipment Type	Old Engine	New Engine	Annual Usage	Potential Funding	Total Cost	Funding Award	Co-funding Allowed?
Rubber-Tired Loader	2008 diesel Tier 3, 300 hp	2022 diesel Tier 4, 269 hp	2,000 hr	up to 80%	\$415,560	\$194,000	✓
Agricultural Tractor	1997 diesel Tier 0, 93 hp	2022 diesel Tier 4, 114 hp	260 hr	up to 80%	\$90,355	\$72,200	✓
Agricultural Tractor	2012 diesel Tier 3, 89 hp	2021 diesel Tier 4, 95 hp	750 hours	up to 80%	\$97,076	\$77,600	✓
Wood Chopper (Grinder)	2001 diesel Tier 2, 500 hp	2019 electric 600 hp/440 kW	24,770 hr 5,500 MWh	up to 80% (eqmt) up to 50% (infra)	\$1,385,274	\$863,500	✓
Excavator	1987 diesel Tier 0, 290 hp	2022 diesel Tier 4, 198 hp	710 hours	up to 80%	\$465,365	\$307,400	✓

Eligible Add-on Infrastructure Funding

Installations of

- Non-residential battery charger
- Hydrogen fueling stations
- Agricultural pump electrification
- Other (case-by-case)

Reimbursable Costs

- Design and engineering (incl. CEQA)
- Equipment
- Construction / installation of the station
- Meter/data loggers
- Shipping charges and taxes

Infrastructure Reimbursement Rate

Project Type	Infrastructure	Infrastructure with Solar or Wind Powered System
<ul style="list-style-type: none">• Off-road• Agriculture• Small Forklift• TRU	50%	65%
<ul style="list-style-type: none">• GSE• Large Forklift	75%	n/a

How to Apply

1. Determine whether equipment qualifies for funding
2. Gather all the information about the equipment and required documents.
3. If applicable, contact an authorized dealership and identify best replacement equipment.
4. Login or create an account on the Air District's website and begin application

How to Apply

Mar 28



- All other off-road
(including forklifts < 8,001 lbs.)
- Agricultural

Feb 28



- Airport ground support - ZE
- Large forklifts
(lift capacity of 8,001+lbs)
- Port Cargo Handling Equipment - ZE
- Marine Vessel Engine Repower - ZE
- Shorepower

Apply for Funding

UPDATED 1/25/2023

Air District / Funding and Incentives / Apply for Funding



Over \$100 million in funding is available to assist vehicle and equipment owners in reducing emissions in the Air District's jurisdiction through vehicle and equipment replacement and installation of zero-emissions infrastructure.

How to Apply

Before applying, check the web page specific to your project category to understand eligibility requirements.

After assuring that your project is eligible, fill out and submit an application through our online application portal. For instructions on using the online system, please reference our [user guide](#) (2 Mb PDF, 12 pgs, revised 1/30/2023).

APPLY NOW

www.baaqmd.gov/funding-and-incentives/apply-for-funding

Getting Started

The ZEFM Program Solicitation is now **open**. **Application Deadline is Wednesday, February 28th, 2024.**

NEW: View Recording of Pre-Application Webinar or Download Presentation Slides.

New: View Recording of Forklift, Port Cargo Handling Equipment, and Airport Ground Support Equipment Webinar.

APPLICATION

Please follow the **Solicitation Guidance** closely for eligibility requirements, and evaluation criteria, and application instructions.

For program updates
please sign up for our e-mail list

<https://www.californiavwtrust.org/zero-freight-marine/>
Submit questions via CaliforniaVWTrust@baaqmd.gov

Application Documents

Required documents to be collected and attached to the application

1. Ownership documentation showing at least two years of ownership (e.g., Bill of Sale, tax or insurance records, appraisals or surveys, or service records)
2. Usage documentation (for a minimum of the previous 24 months from the time of application submission) signed and dated with language certifying it is accurate
3. Current General Liability Insurance, if available
4. Compliance documentation through the California Air Resources Board signed and dated with language certifying it is accurate and complete, often:
 - 1) DOORS fleet list with EIN numbers showing fleet size, 2) summary compliance snapshot with compliance status, and 3) DOORS generated list of previously funded equipment
5. Quote and manufacturer specs sheet for the replacement equipment (provided by the vendor)
6. CARB Engine executive orders (EO) for the new and old engine (Tier 1 or later)
7. BAAQMD signed regulatory compliance statement
 - Found under the “Resources” header of the Funding and Incentives webpage
 - <https://www.baaqmd.gov/funding-and-incentives/apply-for-funding>

Application Submission – Next Steps

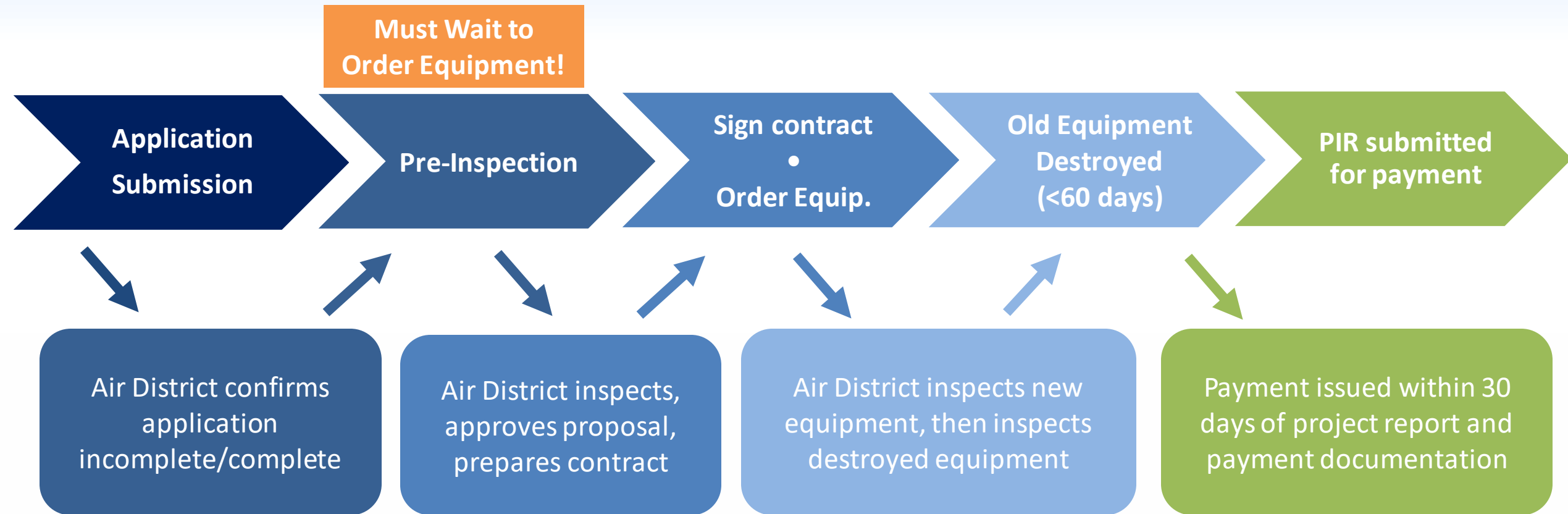
After your application is completed and submitted:

- Air District staff will contact you **within five business days** to let you know if anything is missing or needs additional information

After all required information is submitted, your project will be evaluated:

- If your project is not eligible for grant funding, you will be notified, and your application will be denied in the online system
- If your project is eligible for grant funding, you will receive an email once your project is approved for grant funding

Process Overview



Approved Dealerships

- A complete list of Air District-contracted Bay Area equipment dealers can be found at www.baaqmd.gov/offroad and www.baaqmd.gov/agriculture
- The Air District has contracted with Bay Area equipment dealers to assist applicants to apply for off-road/agricultural equipment replacement projects
- The Air District may work with non-contracted dealers, on a case-by-case basis, for projects where the proposed equipment is for advanced technology (e.g., zero-emissions equipment) and/or is not available locally

Staff	Program	Email Address	Phone Number
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Daniel Langmaid	TRUs	dlangmaid@baaqmd.gov	(415) 749-4701
Heidi Howerton	Large Forklifts and GSE	hhowerton@baaqmd.gov	(415) 749-8622

www.baaqmd.gov/offroad • www.baaqmd.gov/agriculture • www.baaqmd.gov/infrastructure

Comments and Questions