Welcome to the webinar

We will begin in 5 minutes
California Mitigation Trust

Today's Presenters

Chad  Poornima  John  Itsel

Zero-Emission Freight and Marine Program
Structure of Webinar

- Overview of Solicitation (5 min) [Audience Poll]
- Why Apply? (5 min) [Q&A]
- What and How Much? (22 min) [Audience Poll] [Q&A] [Audience Poll] [Q&A]
- How to Apply? (8 min)
- Keys to Success (5 min) [Q&A]
1. Do you anticipate doing a project in an impacted community?

2. What kind of project(s) do you have in mind?

3. How much money do you anticipate applying for?
Application Q&A Webinar
June 3 (Thu) 1:30-2:30pm PDT
Overview

(5 min)

Zero-Emission Freight and Marine Program
up to $34 million
starting May 25, 2021
Eligible Project Categories

- HEAVY LIFT FORKLIFTS
- PORT CARGO HANDLING EQUIPMENT
- AIRPORT GROUND SUPPORT EQUIPMENT
- FERRIES, TUGBOATS, AND TOWBOATS
- OCEAN GOING VESSEL SHORE POWER

- ANYWHERE
- PORTS
- AIRPORTS
- CA WATERS
- BERTHS
up to $10 million per awardee
first come, first served

rolling applications • May 25 – Sep 22 (120 days)
cost-effectiveness

\[ \text{award amount} \]

\[ \text{NOx reduction} \]

(measured over 10-year project life)

\[ \leq \$280,000 \text{ per ton of NOx} \]

(evaluated for each project component individually)
reimbursement-based

grantees must be able to cover all project costs upfront
Geographically Focused

75% Communities Most in Need

$25.5

Legend
- SB 535 Disadvantaged Communities
- AB 1550 Low-income Communities
- SB 535 Disadvantaged Communities and AB 1550 Low-income Communities
- AB 1550 Low-income Communities within a 1/2 mile of a SB 535 Disadvantaged Community

$8.5 unrestricted

https://ww3.arb.ca.gov/cc/capandtrade/auctionproceeds/lowincomemapfull.htm
• $34 million
  o multiple project categories
  o first-come, first-served
  o cost-effectiveness-based funding
  o reimbursement-based

• $10M award limit per applicant
  (combined for all project components)
Why Apply?
(5 min)

Zero-Emission Freight and Marine Program
$70 million

• 2020: $1 million awarded
• **2021: $34 million open for awards** (May 25-Sep 22, 2021)
• 202x: $35 million in future awards
Volkswagen Environmental Mitigation Trust Fund
Zero-Emission Freight and Marine Program Solicitation

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Ongoing Support

For more information, please visit https://www.californiavwwtrust.org/zero-freight-marine/
Make a Difference

view from UC Berkeley campus
Why to Apply

• Significant funding
• Gain Momentum
• Available guidance
• Flexibility and support
• Make a difference
What and How Much?

(25 min)

Eligibility and Available Funding
How “cost-effective” is your project component?

Cost-Effectiveness (aka C/E)

- Engine horsepower
- Engine tier
- Equipment usage

**C/E**
Cost-Effectiveness (aka C/E)

Example Tier 2 Diesel Engine
Ownership Type

private
75%
up to 75% of Eligible Costs

who are you?

public
100%
up to 100% of Eligible Costs

up to 75% of Eligible Costs
Ownership Type

private

75%

up to 75% of Eligible Costs

shore power

25%

up to 25% of Eligible Costs

who are you?

public

100%

up to 100% of Eligible Costs
Project Components

- Heavy Lift Forklifts
- Port Cargo Handling Equipment
- Airport Ground Support Equipment
- Ferries, Tugboats, and Towboats
- Ocean-going Vessel Shore Power
HEAVY-LIFT FORKLIFTS

Awards up to $175k per piece of equipment

- lift capacity > 8,000 lbs
- e.g., reach stackers, side loaders, and top loaders
- must have Tier 4 or earlier ICE engine
- can be anywhere (i.e., seaport /airport not required)
- infrastructure is eligible for funding
Awards up to $175k per piece of equipment

- e.g., rubber-tired gantry cranes, straddle carriers, shuttle carriers, terminal tractors, yard hostlers, yard tractors
- existing equipment must have Tier 4 or earlier ICE engine
- must operate at a seaport
- infrastructure is eligible for funding
Awards up to **full incremental cost**

(*vehicle only)

• provide service to aircraft between flights
• provide support services around aircraft

• existing equipment must be diesel Tier 2 or earlier or spark ignition engine certified to 3 g/bhp-hr or higher emissions
• must be used at an airport
Awards up to $2.5 million per vessel

- ferries, tugboats and towboats
- existing equipment must have Tier 2 or earlier ICE engine(s)
- can retain Tier 3 and Tier 4 engine(s)
- vessel replacement not eligible
- infrastructure is eligible for funding
Awards up to $2.5 million per installation

- must not be required by regulation
- example of eligible costs: cabling, cable management systems, coupler systems, distribution controls
- must meet international design standards
Poll

HEAVY LIFT FORKLIFTS
PORT CARGO HANDLING EQUIPMENT
AIRPORT GROUND SUPPORT EQUIPMENT
FERRIES, TUGBOATS, AND TOWBOATS
OCEANGOING VESSEL SHORE POWER

ANYWHERE
PORTS
AIRPORTS
CA WATERS
BERTHS
Funding Examples
Forklift Replacement

Private owner invoiced costs

Costs of zero-emission forklift $200,000

Costs of supporting infrastructure $50,000

Sum of Costs $250,000
## Forklift Replacement

<table>
<thead>
<tr>
<th>Private owner</th>
<th>reimbursement @75%</th>
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</thead>
<tbody>
<tr>
<td><strong>Cost of zero-emission forklift</strong></td>
<td>$200,000</td>
</tr>
<tr>
<td><strong>Cost of supporting infrastructure</strong></td>
<td>$50,000</td>
</tr>
<tr>
<td><strong>Sum of Costs</strong></td>
<td>$250,000</td>
</tr>
</tbody>
</table>

**Max Potential Award**  
(C/E = $280,000/ton or less)  
$175,000
Tugboat Repower

Public owner

Two Tier 2 diesel main engines (cost for both) $3,500,000

Tier 3 diesel auxiliary engine $500,000

Sum of Costs $4,000,000
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<tr>
<th>Description</th>
<th>Cost 1</th>
<th>Cost 2</th>
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</thead>
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<tr>
<td>Tier 2 diesel main engines (2x)</td>
<td>$3,500,000</td>
<td>$3,500,000</td>
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<tr>
<td>(qualifying / “eligible”)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tier 3 diesel auxiliary engine</td>
<td>$500,000</td>
<td>0</td>
</tr>
<tr>
<td>(not qualifying; engine must be Tier 0-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sum of Costs</td>
<td>$4,000,000</td>
<td>$3,500,000</td>
</tr>
</tbody>
</table>

Max Potential Award* $2,500,000
(C/E = $280,000/ton or less)
Airport GSE

Private owner (but doesn’t matter)  quoted cost

Quote for new zero-emission pushback  $160,000
<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private owner</td>
<td>reimbursable @ 100%</td>
</tr>
<tr>
<td>Quote for new zero-emission pushback</td>
<td>$160,000</td>
</tr>
<tr>
<td>Quote for conventional ICE pushback</td>
<td>$130,000</td>
</tr>
<tr>
<td>Incremental Cost</td>
<td>$30,000</td>
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</table>

Max Potential Award* $30,000
Maximum Potential Award (up to $10 million) \geq \text{Example Combo Project / Application} = \text{sum of awards for three forklift project components} + \text{sum of awards for two cargo handling equipment project components}
Poll

- up to $175k
- up to $175k
- incremental cost
- up to $2.5 million
- up to $2.5 million
How to Apply

(10 min)

Our Electronic Application System
Welcome to the Grants Portal!

Login Now:

Sign in

Reset or create password

New to the Grants Portal?

This portal allows users to register and create a user account, create applications for grant funding, and conduct all required activities for previously awarded grant projects (e.g., submit reports and reimbursement requests).

*If your business or organization has already started an application or previously applied for funding through this portal,* we recommend that you contact the person who created the application and request that they create an associated user account so you can collaborate on applications and grant management activities for your organization.
Application
(all funding requests)

Project
(all project components)

https://www.californiavwtrust.org/zero-freight-marine/
Application = Project

Applying Organization
Application = Project

Project Component

Applying Organization
Initial Submission

= Project Component

Applying Organization
Review Queue

review queue

Applying Organization

Project Component

50
Review Queue

= Applying Organization

review queue

Project Component
Add As You Go

review queue
Key to Success (5 min)

How to Submit a Complete Application
read guidance closely
documentation

✓ proof of ownership
✓ usage records
✓ insurance documentation
✓ equipment price quote(s) (note: ZE + ICE for GSE)
✓ information about baseline and new equipment
✓ compliance documentation

(see Appendix A for a complete list)
Recap

- $34 million in 1\textsuperscript{st} installment funding
- $10 million limit per awardee (combined for all project components)

- Rolling application: May-Sep 2021
- First-come, first-served review

- Reimbursement-based funding
- Read application guidance closely
Support for Your Application

Application Q&A Webinar on June 3 (1:30-2:30pm PDT)

https://www.californiavwtrust.org/zero-freight-marine/

CaliforniaVWTrust@baaqmd.gov

1-844-9VW-FUND
Q and A
from the chat