



**Implementation Workgroup Meeting #2
FY 2021-22 and FY 2022-23
Advanced Technology Demonstration and
Pilot Projects**

May 31, 2023

Implementation Workgroup Meeting #2

Agenda

- Introductions and Background
- Applicant Eligibility
- Priority Population Benefits
- Budget, Funding and Match
- Solicitation and Implementation Timeline
- Application Requirements
- Eligible Project Categories
- Tier-4 Commercial Harbor Craft Regulatory Compliance
- Applicant Team Building
- Next Steps

Introductions and Background

- Advanced Technology Demonstration and Pilot Project Program
 - 42 projects funded since 2009
 - \$700 million in allocations
- FY 2021-22 and FY 2022-23 Funding Opportunity
- Teaming with the CEC for Selection and Grants

Applicant Eligibility

Only California Based Public Agencies and Non-Profits are Eligible to Apply

- Other project partners should team with an eligible applicant now
- Applicant will become the day to day administrator of the project with oversight from CARB
- Administrative fee for applicant up to 8% of award

Priority Population Benefits

- Benefits to priority populations have been a long time goal of the program
- Most project categories require benefits to priority populations
 - Projects that do not have this requirement will score more competitively if they benefit priority populations
- See Priority Population Map:
<https://webmaps.arb.ca.gov/PriorityPopulations/>

Budget and Funding



Funding from FY 2021-22 and FY 2022-23

Combined CARB and CEC Funding: \$225 million

Mix of General Funds and GGRF

CHC Regulatory Compliance Funding: \$60 Million

Budget, Funding and Match

- Match Funding is Required: 10% cash with remaining being In-kind
 - CA based microbusiness: 15% match cost share
 - Defined for this solicitation as less than 25 employees and \$5 million in annual revenue averaged over the last 3 years
 - CA based small business: 25% match cost share
 - Defined for this solicitation as less than 100 employees and \$15 million in annual revenue averaged over the last 3 years
 - All others: 50% match cost share

Match Contributions

CA Based Microbusiness

- 15% Cost Match Share (10% Cash)
- Less than 25 employees and \$5 million in annual revenue averaged over the last 3 years

CA Based Small Business

- 25% Cost Match Share (10% Cash)
- Less than 100 employees and \$15 million in annual revenue averaged over the last 3 years

All Others

- 50% Cost Match Share (10% Cash)

Match: Stacking Funds

VW Mitigation Trust Fund – Up to \$3 Million

- Zero-emission ferry, tug and tow boats
- Requires scrap of existing engine

CORE – Up to \$1 million for Zero-Emission CHC

- Only for CHC micro and small businesses

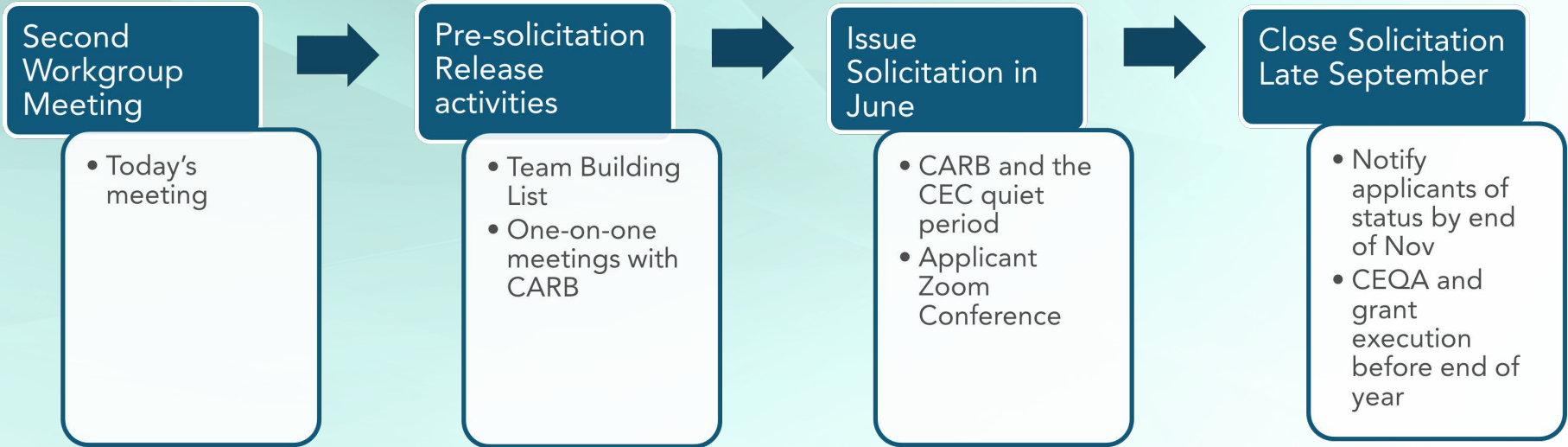
Moyer – Air District's Process

- Allowed but make clear in demo and pilot application – not for match

Other Eligible Sources

- State, local, and federal

Solicitation and Implementation Timeline



Application Requirements

Project broken into achievable milestones

Budget timeline

Costs are fixed – can not increase size of grant

Include a data collection and analysis project partner

Reporting and Critical Project Review Meetings

Oversight of Grant Funds

Eligible Project Categories 2021-22

- Municipal Green Zones – minimum \$750,000
- Resilient Zero-Emission Vessel Charging
- Modular Zero-Emission Capable Cargo Handling Equipment
- Ocean Going Vessels – focus on fuel cell technologies, shore power and capture control systems
- Zero-Emission Intrastate Line Haul Locomotive

Eligible Project Categories 2022-23

- Green Zones
- Zero-Emission Rail
- Zero-Emission Capable Commercial Harbor Craft
- Port Vehicles and Equipment
- Zero-Emission Aviation and Ground Support Equipment
- Off-Road Construction and Agriculture Equipment
- Tier-4 Commercial Harbor Craft – Regulatory Compliance

Tier-4 CHC Regulatory Compliance

- AB 179 Funding
 - \$40 million in general fund – allows combustion only projects
 - \$20 million in GGRF – must reduce GHG emissions
- Vessel Eligibility
 - Must comply with CARB's CHC regulation
 - Priority vessel types: ferries, excursion, research, and commercial passenger sport fishing vessels

Tier-4 CHC Regulatory Compliance cont.

- Proposed Funding Allocation by Vessel Type from AB 179:
 - Commercial Passenger Fishing Vessel: \$17 million
 - Private Ferries: \$21.5 million
 - Public Ferries: \$10.5 million
 - Research Vessels: \$4 million
 - Excursion Vessels: \$7 million
- Application Requirements
 - Eligible applicant and complete project proposal
 - Data collection period, emission testing and timeline

End of Presentation Wrap Up

- Team Building List
 - Updated during solicitation open period
- Questions
 - Project Lead: Earl Landberg earl.landberg@arb.ca.gov
 - Project Supervisor: Nathan Dean nathan.dean@arb.ca.gov
- Sign Up for “Heavy-Duty Demonstration and Pilot Projects” GovDelivery to get notified about release
 - https://public.govdelivery.com/accounts/CARB/subscriber/new?category_id=CARB_C31