



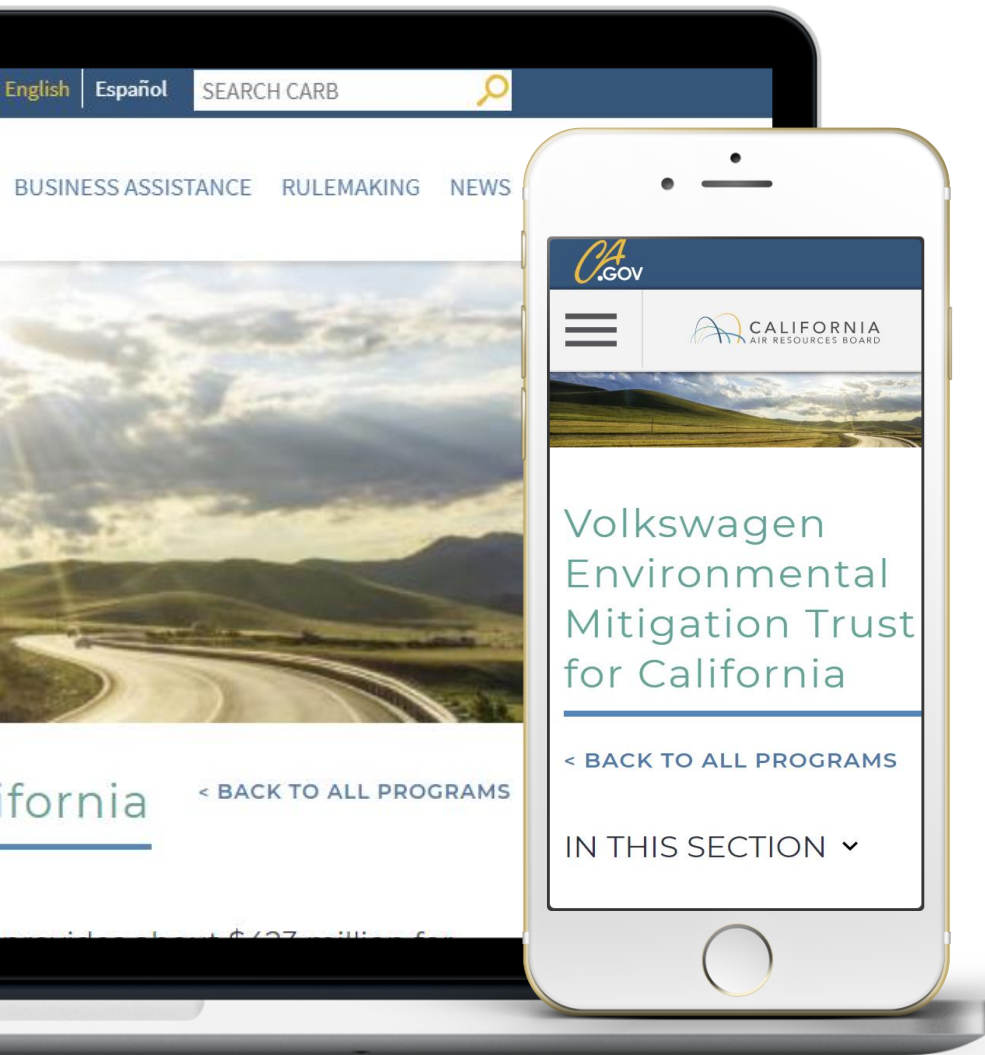
Administered statewide by:

South Coast Air Quality Management District

Bay Area Air Quality Management District

San Joaquin Valley Air Pollution Control District

# Public Comments accepted until May 12, 2019



## Online forms to submit public comments

**Zero-emission transit, school, and shuttle buses**

[www.tfaforms.com/4730802](http://www.tfaforms.com/4730802)

**Zero-emission class 8 freight and port drayage trucks**

[www.tfaforms.com/4731018](http://www.tfaforms.com/4731018)

**Combustion freight and marine projects**

[www.tfaforms.com/4731032](http://www.tfaforms.com/4731032)

**Zero-emission freight and marine projects**

[www.tfaforms.com/4731031](http://www.tfaforms.com/4731031)


**Light-duty zero-emission vehicle infrastructure**

[www.tfaforms.com/4731034](http://www.tfaforms.com/4731034)

# Overview of the Volkswagen Environmental Mitigation Trust



United States District Court Northern District of California	1		
	2		
	3		
	4	UNITED STATES DISTRICT COURT	
	5	NORTHERN DISTRICT OF CALIFORNIA	
	6		
	7	IN RE: VOLKSWAGEN "CLEAN DIESEL" MARKETING, SALES PRACTICES, AND PRODUCTS LIABILITY LITIGATION	MDL No. 2672 CRB (JSC)
	8		
	9		<b>ORDER GRANTING THE UNITED STATES' MOTION TO ENTER PROPOSED AMENDED CONSENT DECREE</b>
	10	This Order Relates To:	
	11	<i>United States of America v. Volkswagen AG et al.</i> , Case No. 16-cv-295 (N.D. Cal.)	
	12		
	13	In September 2015, Volkswagen publicly admitted it had secretly installed a defeat	
	14	device—software designed to cheat emissions tests and deceive federal and state regulators—in	
	15	certain Volkswagen- and Audi-branded turbocharged direct injection ("TDI") diesel engine	
	16	vehicles. Litigation quickly followed, and hundreds of actions were soon centralized in the above-	
	17	captioned multidistrict litigation ("MDL"). One of these lawsuits is an action brought by the	
	18	United States Department of Justice ("United States") on behalf of the U.S. Environmental	
	19	Protection Agency ("EPA") for violations of the Clean Air Act, 42 U.S.C. § 7401 et seq.	
	20	After five months of intensive negotiations under the supervision of a Court-appointed	
	21	Settlement Master, the United States; the People of the State of California, by and through the	
	22	California Air Resources Board ("CARB") and Kamala D. Harris, Attorney General of the State of	
	23	California (collectively, "California"); Volkswagen AG ("VW AG"); Audi AG; Volkswagen	
	24	Group of America, Inc. ("VWGoA"); and Volkswagen Group of America Chattanooga	
	25	Operations, LLC ("VW Chattanooga") (collectively, "Volkswagen") reached a Partial Consent	
	26	Decree that resolves claims concerning the 2.0-liter TDI diesel engine vehicles. (See Dkt. No.	
	27	1605.) Now, just over one year after news of the defeat device became public, the United States	
	28	moves for the entry of the proposed Amended Partial Consent Decree ("Consent Decree"). (Dkt.	










State of California

## Beneficiary Mitigation Plan

For the Volkswagen Environmental Mitigation Trust

June 2018



# VW Mitigation Trust Funding for California



**\$130M Total**  
**\$65M in 2019**

**Zero-Emission  
Transit, School,  
and Shuttle Bus**



**\$90M Total**  
**\$27M in 2019**

**Zero-Emission  
Class 8 Freight  
and Port Drayage  
Trucks**



**\$60M Total**  
**\$30M in 2019**

**Combustion  
Freight and Marine  
Projects**



**\$70M Total**  
**\$35M in 2019**

**Zero-Emission  
Freight and Marine  
Projects**



**\$10M Total**  
**\$10M in 2019**

**Light-Duty Zero-  
Emission  
Infrastructure**

# Grantee Reporting and Operational Requirements



## Inspections

Make old and new engine / vehicle available for inspection



## Operations

Operate the “grant-funded” engine / vehicle in accordance with the contract



## Payment

Submit request for grant funds AFTER receiving award and completing project



## Reporting

Submit annual reports for the term of the contract (expected 3 years)



## Scrapping

Scrap an older engine / vehicle and replace it with the “grant-funded” engine / vehicle





# Zero-Emission Transit, School, and Shuttle Buses

Administered by



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



# Zero-Emission Transit, School, and Shuttle Buses

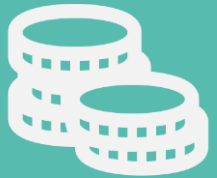
## Key Points



**Open to public and private organizations**



**First Come, First Served**



**\$130M Total Funding  
\$65M available in 2019**



**50% of funding to disadvantaged or low-income communities**



# Zero-Emission Transit, School, and Shuttle Buses

## Eligible Projects and Funding Amounts

### \$65M to Replace Class 4-8 School, Transit and Shuttle Buses

#### School Buses

**Up to \$400,000**

*To replace an eligible school bus with new, commercially-available, zero-emission technology*

#### Transit Buses

**Up to \$180,000**

*For a new, commercially-available, battery-electric bus*

**Up to \$400,000**

*For a new, commercially-available, fuel-cell bus*

#### Shuttle Buses

**Up to \$160,000**

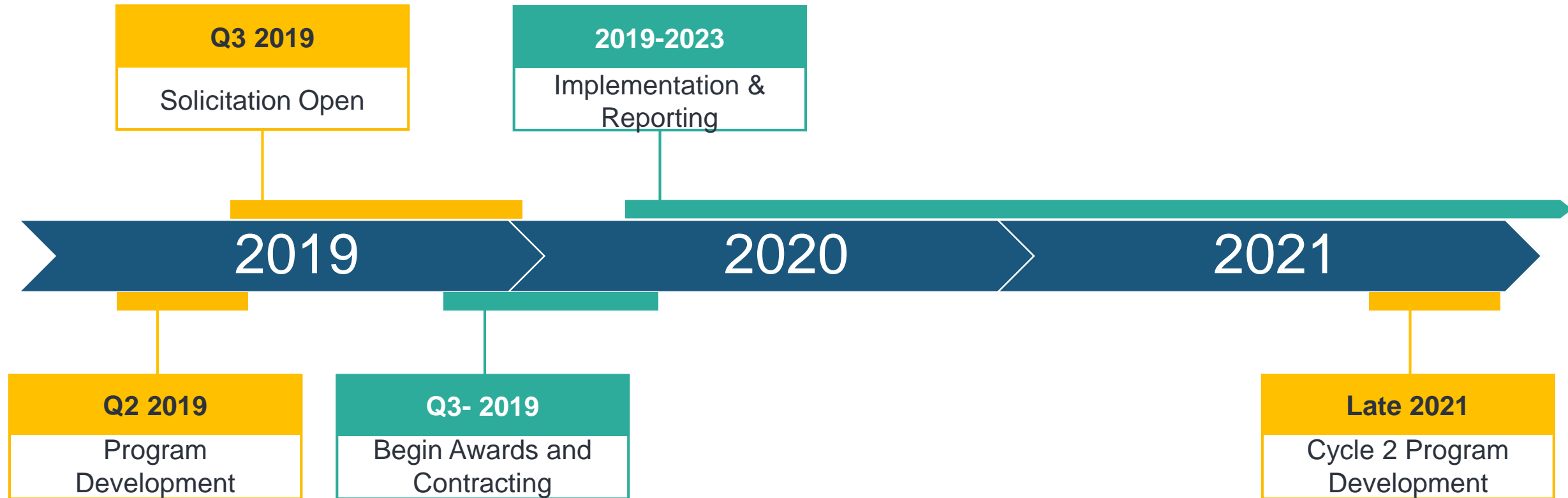
*To replace an eligible shuttle bus with new, commercially-available, zero-emission technology*

- ✓ Total funding for this category is \$130 million, with the initial \$65 million increment available in 2019
- ✓ No more than 50% of available funds in each increment will be allocated to a single bus category
- ✓ Total cost per vehicle must not exceed 75% for non-government owned and 100% for government owned vehicles
- ✓ Stacking of VW funds with HVIP and other CARB funds not allowed



# Zero-Emission Transit, School, and Shuttle Buses

## Tentative Schedule



# Zero-Emission Class 8 Freight and Port Drayage Trucks

Administered by



South Coast Air Quality  
Management District

# Zero-Emission Class 8 Freight and Port Drayage Trucks

## Overview



- Total funds available: **\$90 million**
- First installment: **\$27 million** (starting in 2019)
- Applications will be received on a **first-come, first-served** basis
- Open to **public and private entities**
- At least **50%** of funds for projects that reduce emissions in disadvantaged or low-income communities



# Zero-Emission Class 8 Freight and Port Drayage Trucks

## Eligible Vehicle Types

Freight Truck

Dump Truck

Port Truck

Concrete Mixer

Waste Hauler

To be replaced with:

## Zero-Emission Technology

*(commercially available, approved by CARB)*

Battery Electric

Hydrogen Fuel Cell



# Zero-Emission Class 8 Freight and Port Drayage Trucks

## Which Zero-Emission Vehicles Will Qualify?



Zero-emission technologies approved by CARB and available for commercial use

Zero-emission vehicles approved through the Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)

Additional vendors with qualifying zero-emission vehicles in the next 1-3 years

# Zero-Emission Class 8 Freight and Port Drayage Trucks

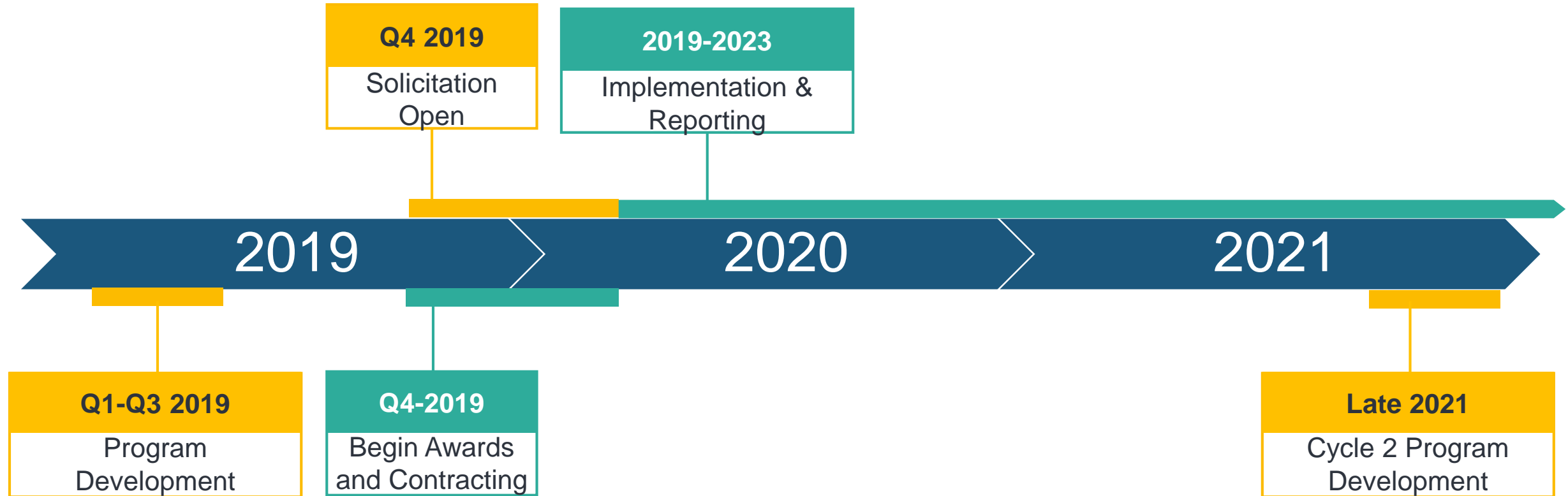
## Funding Table

Vehicle Type	Engine Year (to be replaced)	Replacement Technology	Applicant	Maximum Funding Limit (per Vehicle)
Freight Truck, Port Truck, Waste Hauler, Dump Truck, Concrete Mixer	1992 - 2012	Zero Emission	Government	Up to \$200,000 (Not Exceed 100% of Total Cost)
			Non-government	Up to \$200,000 (Not Exceed 75% of Total Cost)



# Zero-Emission Class 8 Freight and Port Drayage Trucks

## Tentative Schedule



# Combustion Freight and Marine Projects

Administered by



South Coast Air Quality  
Management District

# Combustion Freight and Marine Projects

## Overview



- Total Funds Available: **\$60 million**
- Funding will be disbursed in **two installments**
- First installment: **\$30 million**
- Projects will be selected through a **competitive solicitation**
- SCAQMD to release the solicitation in **3rd or 4th quarter** of 2019
- At least **50% of funds** for projects that benefit disadvantaged or low-income communities



**\$60M Total  
Funding**



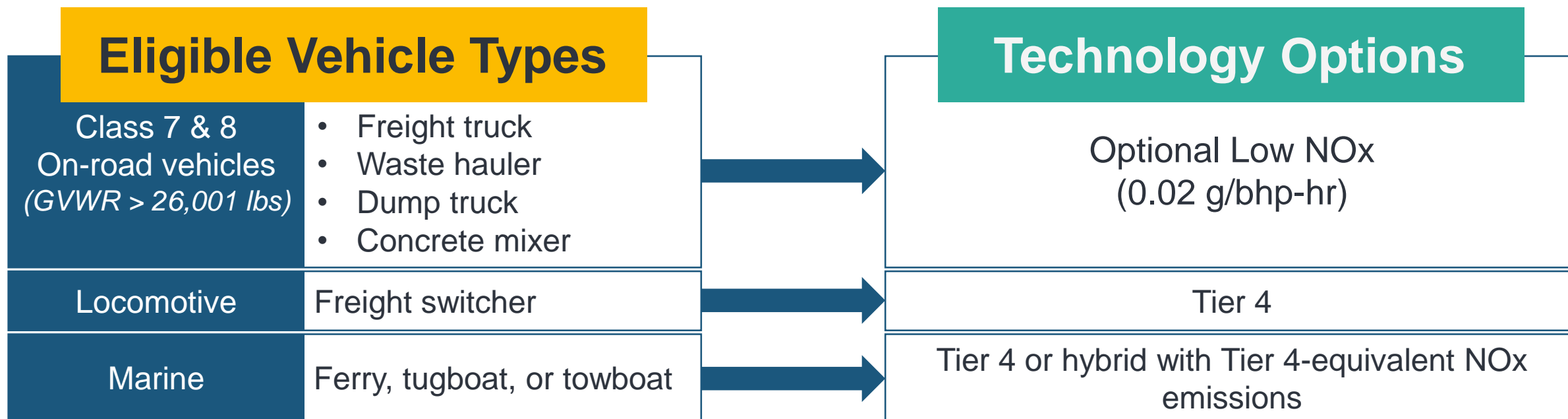
**Competitive  
Solicitation**



**50% of funding to  
disadvantaged or  
low-income  
communities**



# Combustion Freight and Marine Projects



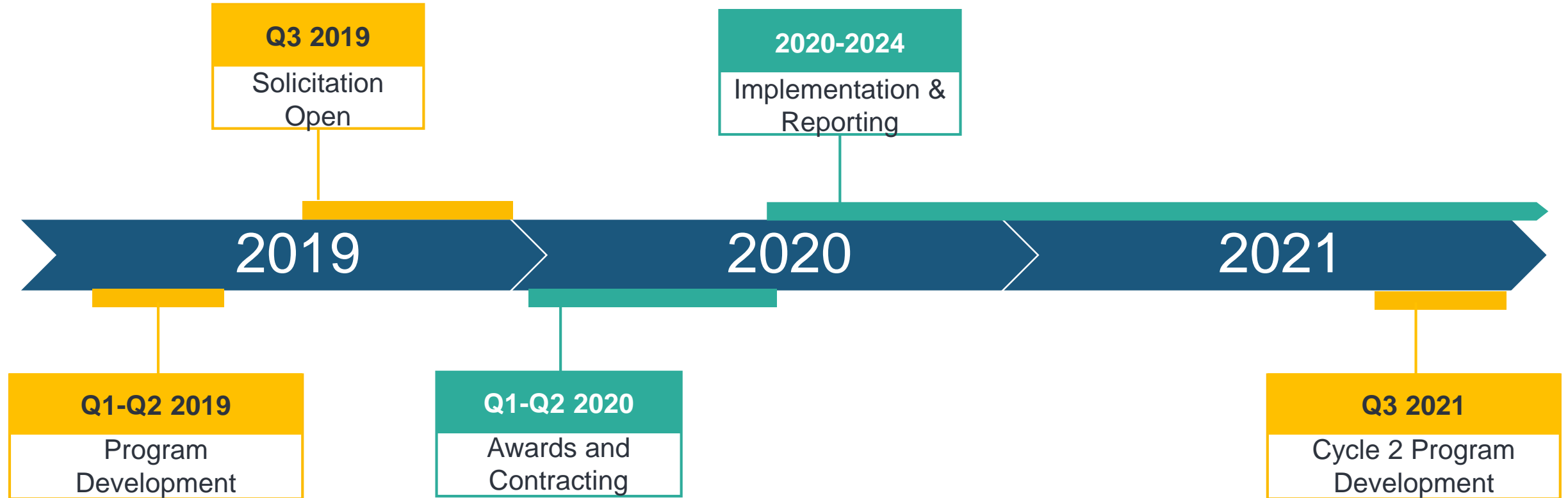
- Project may include an engine repower or vehicle replacement
- Projects in this category will be ranked based on cost-effectiveness for NOx emissions
- Priority will be given to projects that reduce emissions in disadvantaged or low-income communities

# Combustion Freight and Marine Projects

Equipment Type	Engine Year (to be replaced)	Replacement Technology	Project Type	Applicant Type	Maximum Percentage of Project Cost	Maximum Funding Cap (per Engine/ Vehicle)
Freight Truck, Waste Hauler, Dump Truck, Concrete Mixer	1992 - 2012	Low NOx (certified at 0.02 g/bhp-hr)	Replacement	Non- Government	25% (or 50% for Class 8 Port Drayage)	\$85,000
				Government	100%	
			Repower	Non- Government	40%	\$35,000
				Government	100%	\$50,000
Freight Switcher Locomotive	Pre-Tier 1	Tier 4	Replacement	Non- Government	25%	\$1,350,000
				Government	100%	
			Repower	Non-Government	40%	
				Government	100%	
Ferry, Tugboat, Towboat	Pre-Tier 3	Tier 4, or Hybrid w/Tier 4-equivalent NOx emissions	Repower	Non- Government	40%	\$1,000,000
				Government	100%	

# Combustion Freight and Marine Projects

## Tentative Schedule







# Zero-Emission Freight and Marine Projects

Administered by



BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT



# Zero-Emission Freight & Marine Projects

## Key Points



**Open to public and private organizations**



**Competitive Solicitation**



**\$70M Total Funding;  
\$35M available in 2019**



**75% of funding to disadvantaged or low-income communities**



# Zero-Emission Freight & Marine Projects

## Eligible Projects and Funding Amounts

**\$35M total, awards\* up to:**

### **Incremental cost**

#### **Replace**

**airport ground  
support equipment  
and vehicles**

*for starting aircraft; aircraft fueling & maintenance; transporting & loading passengers & cargo, baggage handling, lavatory & food service etc.*

**\$175,000**

#### **Replace**

**heavy-lift forklift,  
port cargo handling  
equipment**

*e.g., reach stackers, side loaders, top loaders >8,000 lbs capacity, rubber-tired gantry cranes, terminal tractors, yard hostlers & tractors*

**\$2,500,000**

#### **Repower**

**ferry, tug & towboat;**

#### **Install**

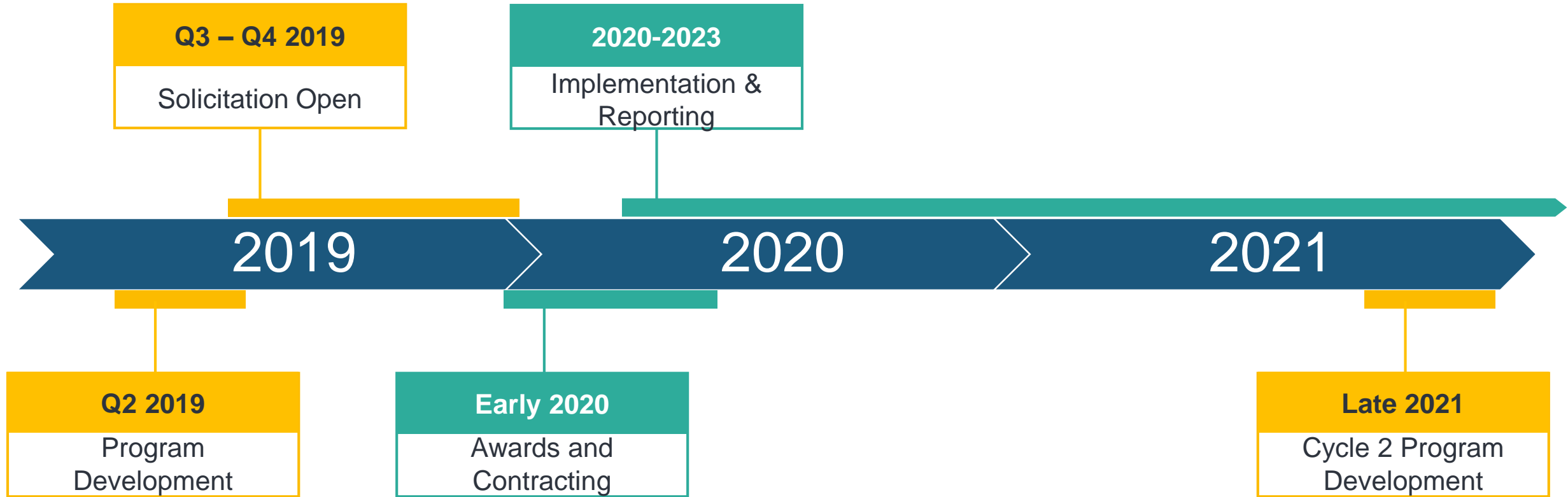
**shore power**

*all-electric & fuel cell for repowers; cables, cable management, coupler, distribution control systems, & power distribution for shore power*

**\* May not exceed 75% of costs for non-government-owned vehicles and equipment**

# Zero-Emission Freight & Marine Projects

## Tentative Schedule







# Light-Duty Zero-Emission Infrastructure

Administered by



BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT

# Light-Duty Zero-Emission Infrastructure

## EV Charging Stations Key Points & Funding

### Fill Gaps

*physical & funding gaps*



### Competitive Solicitation



### 50% of funds

*to disadvantaged or low-income communities*



**\$5M total, awards up to:**

**100%**  
of costs

Public chargers  
Government owned  
properties

**80%**  
of costs

Public chargers  
Privately owned  
properties

**60%**  
of costs

Non-public chargers  
Workplaces &  
multi-unit dwellings

# Light-Duty Zero-Emission Infrastructure

## Hydrogen Stations Key Points & Funding



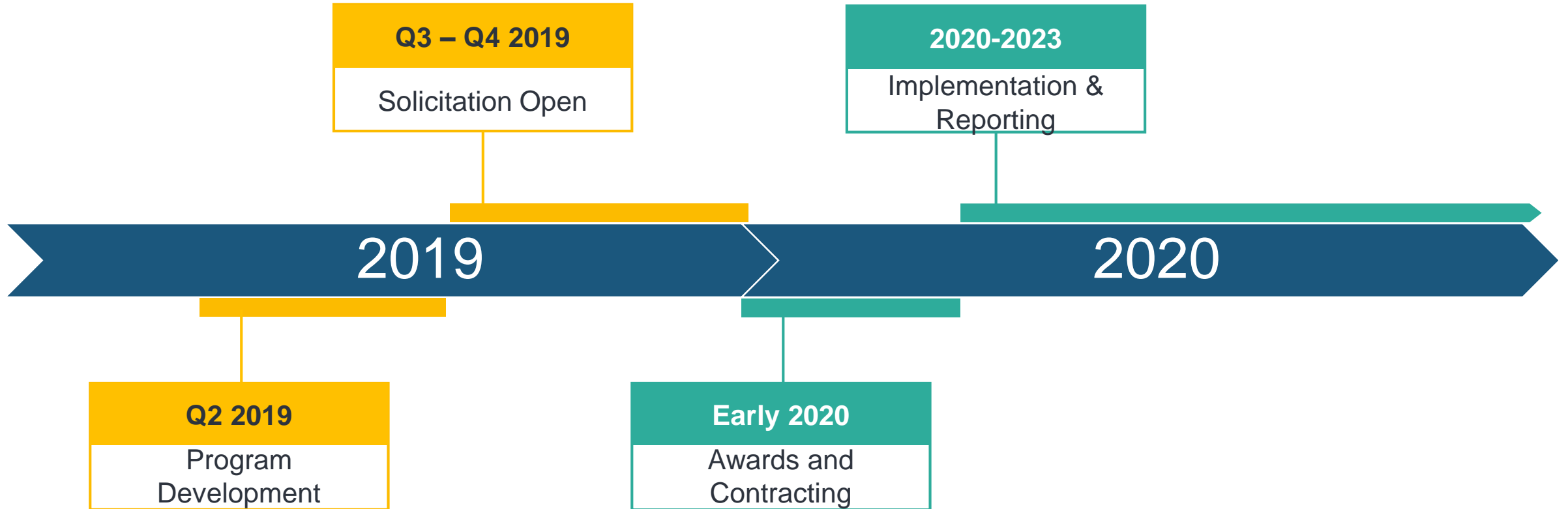
**\$5M**

**Total  
Funding**



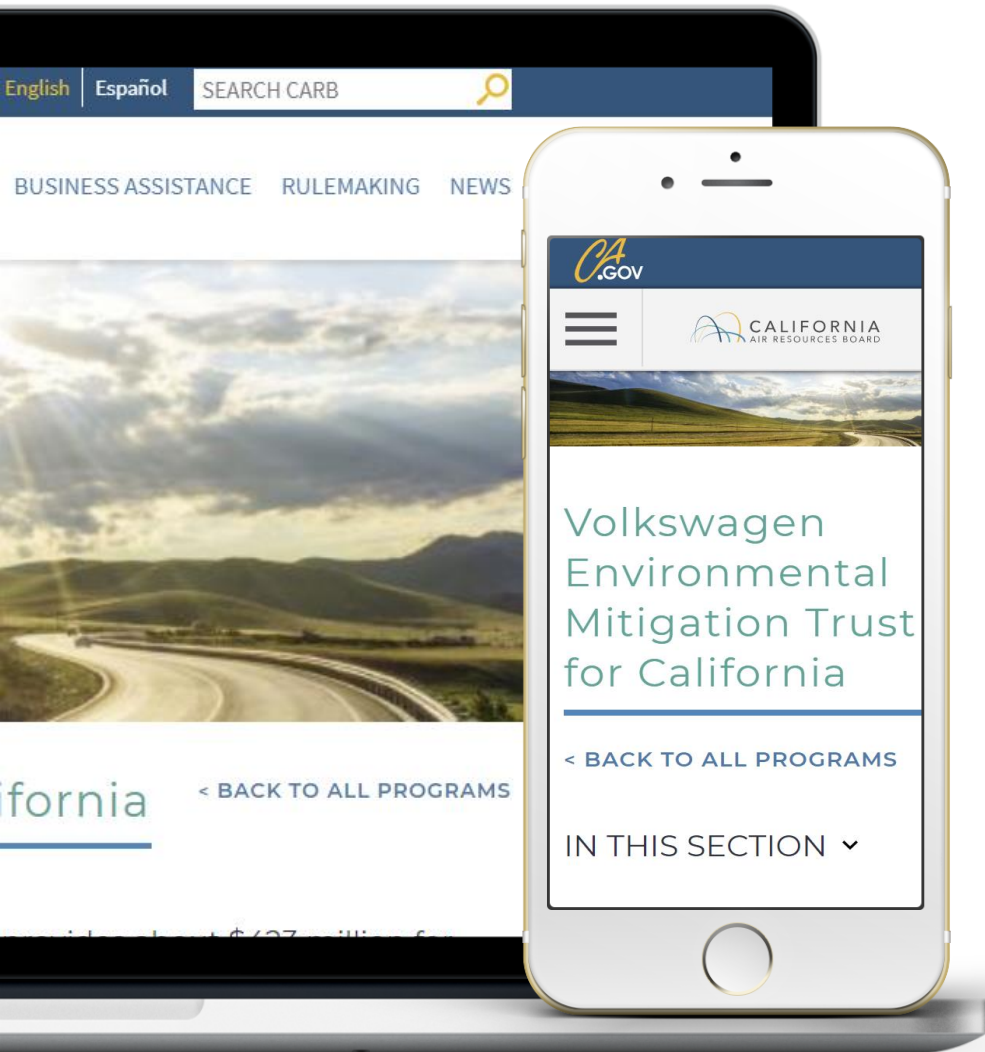
# Light-Duty Zero-Emission Infrastructure

## Tentative Schedule





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