



# CARL MOYER PROGRAM 2020

## Cargo Handling Equipment



SOUTH COAST  
AIR QUALITY MANAGEMENT DISTRICT

# Cargo Handling Equipment Types

Any motorized vehicle used to handle cargo delivered by ship, train, or truck, or used for scheduled or routine maintenance activities



**Rubber-Tired Gantry (RTG) Cranes**



**Yard Trucks**



**Others (including top/side handlers, reach stackers, forklifts, railcar movers, loaders, dozers, aerial lifts, excavators, etc.)**

# Applicable Regulation

- ▶ Mobile Cargo Handling Equipment at Ports and Intermodal Rail Yards (CHE regulation)
  - ▶ Establishes best available control technology (BACT) for new and in-use cargo handling equipment
  - ▶ In-Use Yard Truck Fleets
    - ▶ All yard trucks should be meeting requirements for Mobile Cargo Handling Equipment at Ports and Intermodal Rail Yard pursuant to Title 13 CCR § 2479, subsection (e)(2)



# Funding Requirements

- ▶ Project must achieve surplus emission reductions
- ▶ Existing equipment must be in compliance with the CHE Regulation
- ▶ Equipment utilizing regulatory extensions are not eligible for funding
- ▶ Existing engine must be certified by CARB

# Project Types



<u>Project Type</u>	<u>Details</u>	<u>Maximum Funding</u>
Engine Repower	Replacement of an in-use engine with a zero-emission power system*	85%
Equipment Replacement	Purchase of new, zero-emission equipment replacing fully functional equipment	80%

\*Note: Old engine must be scrapped, unless a case-by-case approval is granted

- Final grant award may be less than the maximum funding levels based on the information in the application and cost-effectiveness limit



# Sample Project Types

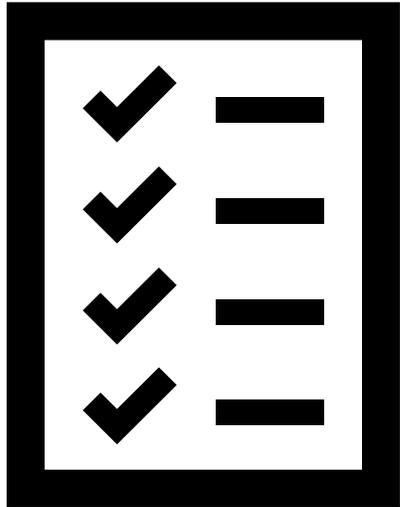
- ▶ Zero-emission power/propulsion system
- ▶ Replace the existing RTG crane with an electric RTG crane
- ▶ Replace the existing RTG crane with a rail-mounted gantry (RMG) crane
- ▶ Replace a yard truck with an electric-powered truck

# Eligible Project Costs

## RTG Crane Electrification Example:

Eligible Costs	Ineligible Costs
<p data-bbox="211 588 963 829">Purchase of a new electric-powered crane or purchase and installation of a zero-emission power system.</p> <p data-bbox="175 873 993 1176">Costs for equipment modification, infrastructure to supply electrical power, utility construction, and costs to increase the capacity of electrical power to the crane</p>	<p data-bbox="1049 588 1905 891">Design, engineering, consulting, environmental review, legal fees, permits, licenses and associated fees, metered costs, insurance, operation, maintenance, and repair</p>

# Application Reminders



Please include at a minimum:

- Legible picture of equipment serial plate/tag
- Legible picture of engine tag
- Fleet Compliance
- Usage history (i.e., hour meter readings)

# APPLICATION DEADLINE

**TUESDAY August 4, 2020 AT 1PM**

**APPLY ONLINE:**

<https://carlmoyeronline.aqmd.gov/>

**FOR PAPER APPLICATIONS:**

[www.aqmd.gov/moyer](http://www.aqmd.gov/moyer)

## Contact Information



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