CARL MOYER PROGRAM
2021
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

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

*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:

<table>
<thead>
<tr>
<th>Eligible Costs</th>
<th>Ineligible Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase of a new electric-powered crane or purchase and installation of a zero-emission power system.</td>
<td>Design, engineering, consulting, environmental review, legal fees, permits, licenses and associated fees, taxes, metered costs, insurance, operation, maintenance, and repair.</td>
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<tr>
<td>Costs for equipment modification, infrastructure to supply electrical power, utility construction, and costs to increase the capacity of electrical power to the crane</td>
<td></td>
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</tbody>
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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 June 1, 2021 AT 1PM

APPLY ONLINE:
https://carlmoyeronline.aqmd.gov/
Contact Information

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