

Goods Movement Program Cargo Handling Equipment Projects Fact Sheet

When will funding be available?

The Bay Area Air Quality Management District (District) will be accepting applications for shore side cold ironing projects and cargo handling equipment projects between **February 1, 2011 and March 15, 2011**. The District anticipates contracting for projects selected for funding in summer 2011.

How much funding is available for cargo-handling projects?

The District has \$20 million in California Goods Movement Bond funding available for projects. The individual project funding amounts for cargo-handling projects are listed in Table 1.

Table 1: Funding Opportunities

Project Type	Funding Levels
Repower RTG Crane with Electric or Zero-Emission Power System	The Program will fund up to: 1) 50% of the eligible costs, or 2) \$100,000/crane, whichever is lower, to repower the diesel engine with an electric or zero-emission power system.
Electric or Zero-Emissions Yard Truck	The Program will fund up to: 1) 50% of the eligible costs, or 2) \$50,000/truck, whichever is lower, to replace a yard truck equipped with MY2004-2006 off-road diesel engine with a new electric or zero-emission yard truck.

How will projects be selected?

Project applications will be evaluated by District staff and then competitively ranked by BAAQMD and then the ranked list will be approved by the California Air Resources Board (ARB). Cargo-handling equipment projects will compete against ships-at-berth projects for funding.

How can I apply?

Project applications are available on the District's website at www.baaqmd.gov/goods. Applications should be printed out, completed and mailed to the staff contact/ address below. Applications and all supporting documentation **must be received by the District by 3:00 pm on March 15, 2011**.

Bay Area Air Quality Management District
Attn: Stacy Shull
Strategic Incentives Division
939 Ellis Street
San Francisco, CA 94109

What are the requirements for cargo-handling equipment projects?

See Table 2 for a summary of the program requirements.

Where can I find more information?

If you have any questions regarding this program or the application process, please contact Stacy Shull by phone at **(415) 749-4955** or by e-mail at: sshull@baaqmd.gov

Useful Resources:

- BAAQMD Goods Movement Program website: www.baaqmd.gov/goods
- ARB Cargo Handling regulation: <http://www.arb.ca.gov/ports/cargo/cargo.htm>

Table 2: Cargo Handling Equipment Project Specifications

<p>Eligible Equipment</p>	<p>Existing diesel-powered rubber-tired gantry (RTG) crane, or diesel-powered yard truck with MY2004-2006 off-road diesel engine, operating at a seaport or intermodal rail yard in a trade corridor.</p> <ul style="list-style-type: none"> • Each project will compete with other ships at berth and cargo handling equipment projects under the competitive ranking and selection process outlined in the Guidelines. • Any ships at berth or cargo handling equipment project that is listed as a mitigation measure as part of a final, certified California Environmental Quality Act (CEQA) or National Environmental Policy Act (NEPA) document is not eligible for funding.
<p>General Requirements (applicable to all project options)</p>	<ul style="list-style-type: none"> • Agree to accept an on-board electronic monitoring unit at any time during the project life. • Agree to equipment inspections. • Comply with record-keeping, reporting, and audit requirements. • Sign a legally binding contract with the local agency including project milestone and completion deadlines. • Properly maintain upgraded equipment in good operating condition and according to manufacturer’s recommendations. • Demonstrate proof of equipment warranty for the project life and insurance on upgraded equipment.
<p>Option (1): Repower RTG Crane w/ Electric or Zero-Emission Power System Requirements</p>	<p>Partial funding of up to the lower of 50% of the eligible cost or \$100,000/crane to repower the diesel engine with an electric or zero-emission power system.</p> <p>Eligible costs include purchase and installation of a new electric engine and necessary parts for an existing RTG crane including directly related vehicle modifications.</p> <p>Ineligible costs include design, engineering, consulting, legal fees, license, registration, taxes, insurance, operation, maintenance, and repair.</p> <p>Equipment owner shall:</p> <ul style="list-style-type: none"> • Commit to 15 years of 100% California operation in port or intermodal rail yard service in trade corridors. • Agree to accept an on-board electronic monitoring unit at any time during the project life. • Agree to equipment inspections. • Comply with record-keeping, reporting, and audit requirements. • Sign a legally binding contract with the local agency including project milestone and completion deadlines. • Properly maintain upgraded equipment in good operating condition and according to manufacturer’s recommendations. • Demonstrate proof of equipment warranty for the project life and insurance on upgraded equipment. • Comply with all local permitting requirements. • Certify that there are no outstanding ARB violations associated with the equipment or the owner.
<p>Option (2): Electric or Zero-Emission Yard Truck Requirements</p>	<p>Partial funding of up to the lower of 50% of the eligible cost or \$50,000/truck to replace a yard truck equipped with MY2004-2006 off-road diesel engine with a new electric or zero-emission yard truck.</p> <p>Eligible costs include purchase of a new electric or zero-emission yard truck.</p> <p>Ineligible costs include license, registration, taxes (other than federal excise and sales tax), insurance, operation, maintenance, and repair. Project needs to achieve 2 years of early reductions. For fleets of 1-3 trucks, this means the project needs to be operational 2 years before the applicable compliance date. For larger fleets, this means the Program-funded truck is not eligible to be counted as a compliant truck in the fleet percentage calculations for a 2-year period.</p>

	<p>Equipment owner shall:</p> <ul style="list-style-type: none"> • Commit to 5 years of 100% California operation in port or intermodal rail yard service in trade corridors. • Agree to accept an on-board electronic monitoring unit at any time during the project life. • Agree to equipment inspections. • Comply with record-keeping, reporting, and audit requirements. • Sign a legally binding contract with the local agency including project milestone and completion deadlines. • Properly maintain upgraded equipment in good operating condition and according to manufacturer's recommendations. • Demonstrate proof of equipment warranty for the project life and insurance on upgraded equipment. • Certify that there are no outstanding ARB violations associated with the equipment or the owner.
Project Cost Assumptions	<ul style="list-style-type: none"> • Total estimated cost of repowering an existing RTG crane with an electric power system is between \$330,000-\$590,000/crane. • Total estimated cost of an electric yard truck is ~\$190,000, with an incremental cost (above a complying diesel engine) of ~\$100,000.
Inspections	<ul style="list-style-type: none"> • The District will conduct pre-project and post-project inspections of all funded projects.
Payments	<ul style="list-style-type: none"> • Program funds will be disbursed to the equipment owner only after the project is demonstrated to the District inspector to be fully operational. Program funds will not be provided for financing or progress payments.

** This is a summary of the program requirement and not a complete list of requirements.*