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**South Coast
Air Quality Management District**

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South Coast
Air Quality
Management
District



New Funding Opportunity for **Ships at Berth** and **Cargo Handling Equipment**



The South Coast Air Quality Management District (SCAQMD) is now accepting applications for eligible projects in the categories of ships at berth and cargo handling equipment for the **Proposition 1B – Goods Movement Emission Reduction Program**.

Approximately \$6 million in program funding is expected to be available to equipment owners for the purchase, installation and/or upgrade of equipment utilizing cleaner technologies.





2017 PROPOSITION 1B

Application Deadline: March 31, 2017

Ships at Berth and Cargo Handling Equipment

Who May Apply:

- Port or terminal operator of an existing cargo ship berth
- Owner of a diesel-powered cargo handling equipment at a seaport, intermodal railyard, or other freight facility: rubber-tired gantry crane, yard truck, lift (forklift, side handler, top pick, or reach stacker)
- Owner of future Program-funded ship emissions capture and control system

What Are the Minimum Eligibility Requirements?

- Applicant must be the “legal owner” of the equipment.
- Existing cargo handling equipment must be diesel powered.
- Program funding for shore power systems is limited to berths that receive visits solely by ships that are not subject to CARB’s Ships at Berth Regulation.
- Applicant and equipment must be in compliance with all applicable rules and regulations.
- Proposed projects cannot be used to comply with regulatory deadlines during the project life.

Project Options:

- Lower of 50% or \$2,500,000 per berth for grid-based shore power system
- \$200,000 per megawatt for non-grid-based shore power system
- Lower of 50% or cost effectiveness of 0.10 lbs/State \$ or higher for a ship emissions capture and control system
 - System must be commercially available and verified to achieve an overall efficiency rate of at least 80% of NOx and PM on ships not subject to CARB’s Ships at Berth Regulation.
- Lower of 50% or \$500,000/crane to convert or replace rubber-tired gantry crane with zero emission powered system
- Lower of 80% or \$80,000 to \$200,000/truck to convert or replace a yard truck with zero emission yard truck (electric or fuel cell)
 - Lower of 50% or \$35,000 for a multiple-unit battery charger (if the project includes a minimum of 3 electric yard trucks).
 - \$15,000 for a single battery charger (for projects that include 1 electric yard truck).
- Lower of 50% or \$45,000 to \$90,000 to replace a forklift, side handler, top pick, or reach stacker with electric or fuel cell powered zero emission lift.
 - Lift capacity must be 3,000 lbs. or greater.

For more information, including application forms and funding tables, please visit our webpage at: <http://www.aqmd.gov/home/programs/business/goods-movement-ships-at-berth-cargo-handling-equipment>

Equipment specifications for each project type can be found in the 2015 Program Guidelines: www.arb.ca.gov/gmbond

- Ships at Berth Projects: Appendix C
- Cargo Handling Equipment: Appendix E

The application must be received by the SCAQMD no later than **4:00 PM on March 31, 2017** to be considered for funding.

Additional Information:

Ships at Berth/Cargo Handling Equipment:

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