

Carl Moyer Memorial Air Quality Standards Attainment Program BAAQMD Marine Cold Ironing Application

Introduction

The Bay Area Air Quality Management District (“District”) is accepting applications for shore side Cold Ironing projects. This program will, in general, follow the guidelines of the California Air Resources Board’s (ARB) **Carl Moyer Memorial Air Quality Standards Attainment Program**. The funding for this solicitation will come from the Air District’s Mobile Source Incentive Fund (MSIF). For more information on the Carl Moyer Program see: <http://www.arb.ca.gov/msprog/moyer/moyer.htm>.

Eligible Cold Ironing Projects

For qualifying shore side projects, grantees can receive **up to 50 %** of the total costs to bring cold ironing capabilities to the dock / berth. The funds can be used to pay for the installation and labor costs, and 50% for the transformer and ancillary equipment.

Eligible costs include the equipment necessary to generate electrical power and connect the equipment to ships at berth. Ineligible costs include, but are not limited to construction and protection of infrastructure (e.g., natural gas lines) used to supply fuel for non-grid-based electrical generation, shipside modifications to accept electrical power, barge or other acquisition and modification for a portable system, design, engineering, consulting, environmental review, legal fees, permits, licenses and associated fees, taxes, utility construction or metered costs, insurance, operation, maintenance, and repair.

Projects subject to the California Air Resources Board Cold Ironing Regulation need to be completed by January, 1, 2011 to receive funding, unless the original funding application provides evidence that the project will receive surplus emission reductions to the 2014 implementation requirements of the Cold Ironing Regulation.

What You Need To Do

Applications that are determined to be **complete** will be evaluated and ranked by cost-effectiveness and the effectiveness of the project in reducing emissions from highly impacted communities. If you would like to be considered for participation in this program, please fill out the application and mail two copies of the application form along with two copies of the required attachments to:

Bay Area Air Quality Management District
Attn: Stacy Shull 939 Ellis St. San Francisco, CA 94109

Completed applications **must be received by the Air District by November 19, 2010**. The submittal of this information does not guarantee approval for funding. Any equipment purchased prior to the execution of an official grant agreement and pre-project inspection will not be eligible for funding. All applicants will receive notification of received applications within 5 business days via email, fax or mail. If you do not hear from the District within 5 business days of delivery, please contact the District immediately. 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

MSIF Shore Side Cold Ironing Application

Part 1: Applicant Information	
1. Legal Name of Applicant/Owner:	
2. Mailing Address:	
Street Address/P.O. Box	
State	County
City	Zip

Contact Information:				
	Name	E-Mail	Phone Number	Fax Number
Primary Project Contact				
Person(s) with equipment / property contract signing authority (owner).				
Person who Completed Application				

Third Party Information:
If a Third Party (e.g., engine dealer, distributor or consultant, etc.) assisted the Applicant to complete the application, complete questions 6-9 below:
6. What is your position
7. How much are you being paid to complete this application for the owner or to assist in the proposed project? \$ _____
8. What is the source of funds being used to pay you?
9. Third Party Signature and Date
Name:
Signature:
Date:

Applicant must read and initial each item below to indicate understanding and agreement:

I understand that this application is for evaluation purposes only and does not guarantee project funding.

Initial: _____

I understand and agree that the District will conduct an inspection of the equipment, vehicle(s) and/or vessel(s) that are the subject of this application prior to an award in order to verify eligibility and compliance with the Carl Moyer Program.

Initial: _____

I certify that the proposed project is not required by any local, State or federal rule or regulation; judicial order, or agreement, memorandum of understanding, contract, or other binding obligation that requires the project application to implement any portion of the project that would be funded by the District under the Carl Moyer Program.

Initial: _____

I certify that this application is for equipment/vehicle(s)/engine(s) that have not already been funded, nor are currently under consideration for funding by another air district, the California Air Resources Board (ARB) or by another public agency.

Initial: _____

I certify that to the best of my knowledge, the information contained in this application and in any documentation accompanying this application or submitted in furtherance of this application is true and accurate.

Initial: _____

I have attached documentation showing that my organization carries the appropriate insurance (i.e. General Liability, Automobile Liability, and Automobile Comprehensive & Collision/Physical Damage Insurance.)

Initial: _____

I understand and agree that new equipment funded by this program can only be purchased or ordered once the contract is signed between the equipment owner and the District and a pre-project inspection has been conducted.

Initial: _____

I certify that I have the legal authority to apply for funding on behalf of the applicant entity and that I am authorized to sign this application on behalf of applicant and that

Signed: _____ **Date:** _____

(Authorized Representative of Applicant Equipment Owner)

Name (Please Print): _____

Part 2: Proposed Equipment Project Information

Type of project: (ONLY CHECK ONE): <input type="checkbox"/> Shore Side Cold Ironing – Grid Electrical Power <input type="checkbox"/> Shore Side Cold Ironing_ Alternative Energy Power
1. Type of applicant <input type="checkbox"/> Terminal Owner <input type="checkbox"/> Terminal Lessee <input type="checkbox"/> Port Authority
2. Total project cost:
3. Total amount requested from BAAQMD for this project:
4. Identify other funding sources to be used for this project:
5. If funded, when will the equipment be ready for operation? <i>Please also attach estimated project schedule.</i>
6. Identify other potential project partners (ex. Port):
7. Port where the berth is located:
8. Berth name/identifier and location within port:
9. Maximum power demand at the berth (kWh-hr):
10. Owner and operator of berth:
11. Power supplier (ex. PG&E):
12. Where does the electrical power infrastructure begin, and end?

Part 3: Current Berth Activity Information (Cumulative)

13. Number of annual ship visits to the berth (please attach the log of vessel visits for each of the specified years): <input type="checkbox"/> 2008 _____ <input type="checkbox"/> 2009 _____ <input type="checkbox"/> 2010 _____

Part 4: Vessel Activity Information

14. As an attachment (Titled Part 4: Vessel Activity Information), please provide a detailed description of the vessels that will be using the shore power equipment. The description should include:

- Vessel type(s)
- Ship size(s) (in twenty-foot equivalent units (TEU) capacity)
- Number of auxiliary engines/ ship
- Power demand (total auxiliary power (KW) not hotelling load) (KW)
- The number of auxiliary engines typically running while at berth per vessel
- Number of annual visits
- Average berthing time (hours) of the vessel, per visit. Please consider the maximum time the auxiliary engines are in use
- Estimate of the time needed to connect and disconnect the vessel from the shore power equipment
- Vessel power (kW) requirements while at berth
 - Average Power Requirement
 - Maximum Power Requirement
- Please specify the type of fuel used in the auxiliary
 - Marine gas oil (DMA) at or below 1.5% sulfur; or
 - Marine diesel oil (DMB) at or below 0.5% sulfur

Part 5: Predicted Berth Activity:

15. Estimated annual ship visits using electrical power

- 2011-2014 _____
- 2014-2017 _____
- 2017-2020 _____

16. Estimated monthly hours of operation

- 2011-2014 _____
- 2014-2017 _____
- 2017-2020 _____

17. Estimated monthly MW usage

- 2011-2014 _____
- 2014-2017 _____
- 2017-2020 _____

Part 6: Impacted Community Analysis:

18. Does this vessel visit (berth) a Bay Area highly impacted community? (See the Priority Community map <http://www.baaqmd.gov/moyer>):

- YES NO

If yes, please answer the following question.

If no, skip to the next part.

Please use the Priority Community map to identify which impacted communities this vessel visits, and identify each highly community in the table below.

Zone Number	Highly Impacted Community	Circle one
2	Richmond/San Pablo	Yes/ No
3	Western Alameda County	Yes/ No
5	Redwood City/East Palo Alto	Yes/ No
6	Eastern San Francisco	Yes/ No

Part 7: Detailed Project Description and Required Attachments

19. Please describe or attach each item below as supporting documentation

- A detailed project scope and description including an estimated timeline for project completion. Please include any necessary planning period and completion time for the items below:
 - Demonstration / procurement of available match funding
 - Preliminary design
 - Environmental clearance (if applicable)
 - Final Design
 - Equipment delivery (for all equipment with lead time over 2 weeks)
 - Work under control of electric utility (itemize)
 - Construction build award
 - Permits
 - Start construction / equipment installation
 - Finish construction / equipment installation
 - Commissioning / testing
 - Demonstration of fully operational system (with ship plugged in)

20. Please attach the following documents to complete your application

- Vessel activity and commitments (from Part 4)
- TERMINAL and VESSEL PLANS as required by the ARB's regulation to reduce emissions from diesel auxiliary engines on Oceangoing vessels (container ships, passenger ships, and refrigerated-cargo ships) while berthing at a California Port.
- Budget to include
 - Itemized cost information by phase (e.g. design, environmental, construction)
 - Supporting estimates and quotes. Include hourly rates and number of hours for work completed. Itemized quotes for equipment.
- If a port authority, provide contracts in place with the current terminal lessee
- Insurance for terminal property
- Terminal Owner or Lessee agreements with vessel owners