2019 CARL MOYER PROGRAM

MARINE VESSELS

SOUTH COAST
AIR QUALITY MANAGEMENT
DISTRICT
Eligible Projects & Requirements

- Repower projects are eligible for funding:
  - Replace existing engine with new engine
  - New engine is Tier 3 or cleaner
  - Provide a Minimum 15% NOx reduction

- Vessel must operate 75% of time in SCAQMD waters

- Proof of vessel ownership provided
Eligible Projects & Requirements (cont’d)

- Once a grant is awarded, electronic monitoring units required on all marine vessels
- Proof of current vessel liability insurance must be annually submitted to SCAQMD and identify SCAQMD as “Loss Payee”
- Annual reports on vessel operation (usage) **MUST** be submitted for the term of the contract
- SCAQMD must receive notification prior to transfer of vessel ownership or if vessel is destroyed
Map of SCAQMD Waters
### Marine Vessel Funding Opportunities

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Subject to Commercial Harbor Craft (CHC) Regulation</th>
<th>Moyer Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excursion, Ferries, Tug Boats, Tow Boats, Crew &amp; Supply Boats, Barges &amp; Dredge Engine Repowers</td>
<td>Yes CHC regulation (Must submit initial report)</td>
<td>Baseline engine Tier 2 compliant*</td>
</tr>
<tr>
<td>Fishing, Pilot, Work Boat Engine Repowers</td>
<td>No (Must submit initial report)</td>
<td>Not limited by regulation</td>
</tr>
</tbody>
</table>

* Please Note: Tier 0 And Tier 1 Are Not Eligible For Funding
## Welcome
These forms are for your convenience in understanding and reporting the information related to the Commercial Harbor Craft regulation.

All commercial harbor craft with diesel engines that operate in Regulated California Waters are subject to the regulation.

Please click the red tab at the bottom of the screen and read the INSTRUCTIONS for completing the forms. Instructions pertaining to each column on the forms are also embedded in the electronic version of the Excel spreadsheet for your convenience. The column headings and instructions specific to the column will appear.

Fill in your company and contact information on the COMPANY CONTACT yellow tab at the bottom of the screen. The company name and the date will appear in the Company section. Please do not hesitate to contact the Air Resources Board staff for assistance.

If you have more than 10 engines, please call ARB staff at (888) 442-7238 for a larger reporting form.

Please complete as much information as possible. If you are uncertain as to an answer, please enter your best guess.

Phone: (888) 442-7238
Email: harborcraft@arb.ca.gov

Thank you for your help reducing diesel particulate matter and NOx pollutants in the environment.

---

### COMPANY CONTACT

<table>
<thead>
<tr>
<th>Date:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Report:</td>
<td>Initial Report</td>
</tr>
<tr>
<td>Year Ending:</td>
<td>12/31/2008</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner Company Name:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operator Company Name:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner/Operator:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing Address:</td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
</tr>
<tr>
<td>State:</td>
<td></td>
</tr>
<tr>
<td>ZIP Code:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contact Name:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Title:</td>
<td></td>
</tr>
<tr>
<td>Phone:</td>
<td></td>
</tr>
<tr>
<td>Fax:</td>
<td></td>
</tr>
<tr>
<td>Email:</td>
<td></td>
</tr>
</tbody>
</table>

---

### COMPANY:

Refer to section 00116.5, title 17, chapter 5.1, California Code of Regulations

- Low Sulfur Fuel Requirement
- Emission Limits and Other Requirements for:
  - Marine Engines
  - Inland Watercraft
  - Offshore Watercraft

### Reporting Requirements:

Beginning January 1, 2006, the owner or operator of a harbor craft must maintain the vessel or the vessel's transport for the life of each engine subject to this regulation for inspection by the Air Resources Board (ARB) upon request. The records must be maintained as hard copy, electronic, or any other alternative reporting system.

### Submittal of Documents:

All documents required under this regulation must be submitted to the Executive Director:

- Electronically by email: harborcraft@arb.ca.gov
- Hard copy by mail: California Air Resources Board, 1111 L Street, 19th Floor, Sacramento, CA 95814

---

### Initial Report Form

<table>
<thead>
<tr>
<th>Engine ID</th>
<th>HP</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Year</th>
<th>Serial Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### CARB’s website

For more information, visit CARB’s website located at [ARB’s website](http://www.arb.ca.gov).
CHC Regulation Low Usage Exemption

- <300 hours of operation in a calendar year (<80 hours for barge or dredge vessel categories)
- Must submit formal request letter to CARB which includes the following:
  - In-use engine information (engine type, HP, serial, & model year)
  - Description of engine low usage in the previous year with supporting documentation (e.g. log book)
  - A plan demonstrating that the vessel will be low usage in the future
  - Submit via email to: harborcraft@arb.ca.gov
  - Primary CARB contact: (888) 442-7238
## Eligible Project Costs

<table>
<thead>
<tr>
<th>Project Type</th>
<th>New Engine Tier</th>
<th>Max. Eligible Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barge, Crew &amp; Supply, Excursion, Ferry, Tugboat, Towboat, Dredge</td>
<td>Tier 3, Tier 4</td>
<td>80 Percent, 85 Percent</td>
</tr>
<tr>
<td>Fishing, Pilot, &amp; Work Boat(s)</td>
<td>Tier 3, Tier 4</td>
<td>80 Percent, 85 Percent</td>
</tr>
</tbody>
</table>
Application

- Number of engines
- Type of engines
- Vessel use: Primary and Secondary
- Operational records
  - Hour meter required by CARB since 2009
  - 2 years (24 months) of consecutive historical hours of operation are required
  - Usage hours are preferred, but fuel logs, ledger entries or maintenance records are acceptable
Application (cont’d)

- % of total operating time within SCAQMD boundaries (waters)
- Engines (existing and new)
  - Size, make, model, year, displacement, horsepower
- Repower Costs
  - Submit vendor quotes for repower
  - New transmission cost justification (if necessary)
  - Funding amount requested (cannot exceed vendor quote)
Application (cont’d)

- EPA and/or CARB engine certification (e.g. Certificate of Conformity)
  - New main & auxiliary engines
- Submit a copy of current CHC initial report
Ranking & Funding

- Meet regulation and Carl Moyer 2017 guideline requirements
- Ranked by Cost-effectiveness
  - Cost-effectiveness cap of $30,000/ton (NOx + ROG + 20*PM)
- Priority funding established for disadvantaged communities
- Maximum project life (contract term) is 16 years
Required Pre-Inspection

- Projects MUST be pre-inspected prior to any work commencing. Existing engines must be:
  - Fully operational
  - Have appropriate engine and chassis tags which are clearly legible and show:
    - Engine make/model, year, fuel type, engine family, engine tier, serial number, VIN number and any additional information pertinent to the project
  - Must have **WORKING NON-RESETTABLE METERS** to verify hours claimed in the application
Required Pre-Inspection (cont’d)

- Documentation that the fleet, engines, or equipment is in compliance with applicable rules or regulations

- Failure to obtain a pre-inspection will result in contract cancellation and loss of awarded funding
Required Post and Destruction Inspection

- **Post Inspection:**
  - The post-inspection verifies that new equipment/engine are consistent with what was evaluated in the application.
  - It is the applicant’s responsibility to contact the assigned project officer to request a post inspection.

- **Destruction Inspection:**
  - Verifies that the old engine/equipment is *destroyed and rendered permanently unusable*.
  - Pre, Post, and Destruction inspections must be conducted and reports reviewed prior to payment of any invoices.
Payments

- Pre, Post, and Destruction inspections completed and reports reviewed
- Itemized parts & engine costs identified on submitted contractor invoice
- Installation labor cost is eligible for payment – include labor cost/hour and total hours in invoice
- Dealer or vendor direct award payments are OK
Deadline for Submittal

All submittals must be received no later than:

**Tuesday, June 4, 2019**

by **1:00 p.m.**
Contact Information

Ping Gui
909.396.3187
pgui@aqmd.gov