Incentive Funding

Incentive funding may be available for projects that provide emissions reductions beyond those required by the CHC regulation. Options such as the Carl Moyer Program and the Proposition 1B Goods Movement Emission Reduction Program provide grants for clean vehicles, engines and equipment.

A CHC owner/operator who wants to replace, retrofit or rebuild vessel engines to a cleaner standard to reduce emissions is encouraged to apply for incentive funds.

For information on clean air incentive programs available in California, please visit *www.arb.ca.gov/ba/fininfo.htm*

To obtain a copy of the regulation and other related documents visit *www.arb.ca.gov/harborcraft*

Get more information by joining the commercial harbor craft e-mail list serve at *www.arb.ca.gov/ports/marinevess/lists.htm*

To obtain this document in an alternative format or language please contact the ARB's Helpline at (800) 242-4450 or at *helpline@arb.ca.gov*. TTY/TDD/ Speech to Speech users may dial 711 for the California Relay Service.

HEAVY-DUTY DIESEL INFORMATION SERIES

California Air Resources Board
Heavy-Duty Diesel Enforcement Program
P.O. Box 2815, Sacramento, CA 95812

(916) 322-7061 (Northern California)
(626) 450-6161 (Southern California)

HEAVY-DUTY DIESEL INFORMATION SERIES

Commercial Harbor Craft

What Owners/Operators Need to Know

For more information visit:

www.arb.ca.gov/diesel/mobile.htm
www.arb.ca.gov/harborcraft
or call toll free (888) 442-7238

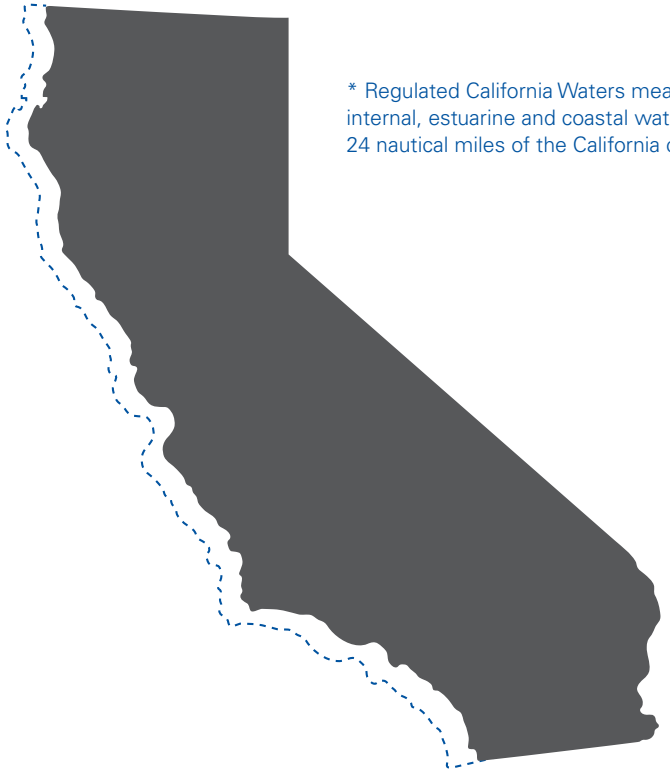
What is the purpose of the regulation?

In November 2007, the California Air Resources Board (ARB) approved a regulation to significantly reduce diesel particulate matter (PM) and oxides of nitrogen (NO_x) emissions from diesel-fueled engines on commercial harbor craft (CHC) vessels. In July 2011, the ARB approved amendments to the CHC regulation adding requirements for additional vessel categories. CHC vessels emit an estimated three tons per day (tpd) of diesel PM and 70 tpd of NO_x.

Who is affected?

The CHC regulation includes requirements for both new and in-use diesel engines used on CHC operating in Regulated California Waters*.

The regulation applies to all CHC vessels including ferries, excursion vessels, tugboats, towboats, crew and supply vessels, work boats, pilot vessels, research vessels, emergency response vessels, dredges, barges and commercial and charter fishing boats.



* Regulated California Waters means all port, internal, estuarine and coastal waters within 24 nautical miles of the California coast.

What does the CHC Regulation Require?

All Commercial Harbor Craft must:

- Install a non-resettable hour meter on each engine, if not already installed.
- Use CARB diesel or an approved alternative fuel.
- Submit an initial report to ARB providing vessel and engine information. Maintain and update these records and keep copies on the vessel or at homeport office.
- Meet "new engine emission standards" when replacing engine on existing vessel or installing an engine on a newly built vessel.

In-Use Engine Emission Standards for Engines Tier 1 or Older:

- Requirements apply to existing ferries, excursion vessels, tugboats, towboats, crew and supply vessels, barges and dredges.
- Must meet United States Environmental Protection Agency (U.S. EPA) Tier 2 or Tier 3 marine or off-road engine emission standards according to a specific compliance schedule based on homeport, vessel type, engine model year and annual operating hours.
- There are four different compliance schedules:*
  1. A schedule for ferries, excursion vessels, tugboats, and towboats with their homeports outside the South Coast Air Quality Management District (SCAQMD).
  2. An accelerated schedule for ferries, excursion vessels, tugboats, and towboats with their homeports in the SCAQMD.
  3. A statewide schedule for crew and supply vessels.
  4. A statewide schedule for barges and dredges.
- Must file a Compliance Plan and Demonstration of Compliance by specified dates (see subsections (g) and (h) of the CHC Regulation).

New Engine Emission Standards Requirements for replacement engines and engines on newly built vessels:

- New engines must meet current U.S. EPA marine or off-road engine emission standards when the owner/operator acquires the engine or newly built vessel. Tier 4 marine engine emission standards are not required for replacement engines.

* The schedules can be found in Subsection (e)(6)(D) of the CHC regulation, at *www.arb.ca.gov/regact/2010/chc10/frochc931185.pdf*, or by calling toll free (888) 442-7238.