



May 16, 2012

Dear Customers

Subject: California Ports Shore Power Implementation

Background:

In 2008, the California Air Resources Board (CARB) adopted a regulation mandating ship operators whose ships call at California Ports to dramatically reduce diesel particulate matter and other criteria pollutant emissions while “at berth”. Although the regulation does not mandate a particular technology to reduce emissions from auxiliary engines, certain aspects of the regulation have created a strong market preference for an electric grid-based power compliance method. This technology is frequently referred to as “shore power”, “cold ironing” or Alternative Maritime Power. Under this solution, a ship is retrofitted enabling it to plug into shore supplied electrical outlets at the wharf. The CARB shore power rule requires that no less than 50% emission reductions need to be achieved and no less than 50% of a ship operators’ container, cruise or reefer fleet are connected to shore power in California Ports effective January 1, 2014. Program details are available on the web at www.arb.ca.gov/ports/shorepower/shorepower.htm

Our member Ports’ legal obligations under the regulation are limited to reporting certain ship information. Still, without specifying or requiring how to doing so, the regulation’s clear intent is that ship owners and operators, marine terminal operators, and Ports work together to deliver grid-based shore power infrastructure.

Today, several wharfs are shore power capable. Others are in the design and construction stage. We want to begin or to continue coordinating with you at a technical level in anticipation of an expanding implementation of this program throughout the Ports. Given the importance of the coordination between ship owners and operators, terminal operators and Port staff, your cooperation is needed to ensure successful and seamless ship connection to shore power when that time comes. Each Port’s engineering team stands ready to discuss the technical details of the landside shore power installation and your ships’ system to coordinate your initial shore power connection at our Ports.

The following parties are your technical contacts at the respective Ports:

Port of Los Angeles

Vahik Haddadian, P.E., Sr. Building Electrical Engineer
(310) 732-3647, vhddadian@portla.org

Port of Long Beach

Ben Chavdarian, P.E., Sr. Electrical Engineer

(562) 901-1765, chavdarian@polb.com

Port of Oakland

Jill Bornor-Brown, P.E., Port Supervising Engineer
(510) 627-1167, jbrownor-brown@portoakland.com

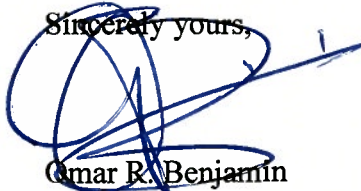
Port of Hueneme

Kristin Decas, Executive Director
(805) 488-3677, kdecas@portofhueneme.org

Additionally, and in order to project overall ship owner and operator shore power readiness, our Ports ask for you to provide information regarding the number of ships in your fleet that are shore power capable today, as well as the schedule of ship retrofits and new builds that will be shore power capable.

Thank you for your cooperation and we look forward to working together.

Sincerely yours,



Omar R. Benjamin
President, California Association of Port Authorities (CAPA)

Attachments:

- ◆ Project Schedules

Port of Los Angeles Project Schedule

TBD, Contact technical representative

Port of Long Beach Project Schedule

Pier	Estimated Construction Start Date	Estimated Construction Completion Date	Estimated Commissioning Dates
A90,92,94	4/23/2012	10/5/2013	12/4/2013
G232	4/30/2012	8/28/2013	8/29/2013-10/2/2013
J245-247, J266-270	7/2/2012	3/31/2014	2/24/2014
T132/134, T136,T138,T140	5/14/2012	11/15/2013	7/2013 - 11/2013

Port of Oakland Project Schedule

Shore Power Berths	Estimated Construction Start Date	Estimated Construction Completion Date	Estimated Commissioning Date
B56, 57, 58	3/2011	4/2012	5/2012 – 8/2012
B25, 35, 37, 55, 59, 68	5/2012	6/2013	7/2012– 12/2013
B30, 32	6/2012	6/2013	7/2012– 12/2013
B61/62	Completed		
B23	Contact Josh Hurwitz at (510) 464-8605 (Ports America) regarding schedule		

Port of Hueneme Project Schedule

Shore Power Berths	Estimated Construction Start Date	Estimated Construction Completion Date	Estimated Commissioning Dates
B1	10/2012	10/2013	11/2013
B2	10/2012	10/2013	11/2013
B3	10/2012	10/2013	11/2013