



**AMP® Operator Summary Report
2018: January to December
Vessel Type: Cruise**

**02/09/23
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Operator	AMPed Calls	AMPed Equiv Calls	Calls	AMPed Pct
Costa Crociere Spa	0	0	1	0%
Crystal Cruises Inc	0	0	4	0%
Holland America Line Nv	2	0	3	67%
Lindblad Expeditions Llc	0	0	3	0%
Norwegian Cruise Line	3	0	20	15%
Oceania Cruises Inc	0	0	3	0%
Princess Cruises	26	0	71	37%
Regent Seven Seas Cruises Inc	0	0	4	0%
Royal Caribbean Cruises Ltd	0	0	1	0%
Seabourn Cruise Line Ltd	0	0	1	0%
Silversea Cruises Ltd	0	0	1	0%
Viking Ocean Cruises Ltd	0	0	2	0%
	31	0	114	27%

AMP Operator Summary Report for vessel connections for Port of Los Angeles only

California Air Resources Board (CARB) At- Berth Regulation Requirements:

- Emission/ power reduction percentages increase over time:
 - 2012 - 25%
 - 2014 - 50%
 - 2017 - 70%
 - 2018 - 80%
- Two pathways to reduce emissions
 - Reduced onboard power generation option
 - Equivalent emission reduction options
- CARB considers Port of Los Angeles and Port of Long Beach one port under this regulation

Construction occurred between 2017 and 2018 in order to upgrade the cruise terminal to be able to provide 6.6 kV and 11 kV. Prior to the upgrade the cruise terminal only provided 6.6 kV which was not sufficient for the newer cruise vessels that had started to call to the Port of Los Angeles.

In order to install the electrical upgrades, electricity to the existing shore power connection had to be turned off so the old equipment could be removed and new equipment could be safely installed. During the electrical upgrade, cruise ships calling to the Port of Los Angeles could not utilize shore power.

The cruise terminal electrical upgrade was completed in April 2018. The cruise terminal was de- energized and re-energized between June 30, 2017 to April 23, 2018 to upgrade the electrical infrastructure to improve shore power support for our cruise ships. Cruise season for 2016/2017 had ended when construction started. Cruise season for 2017/2018 started at the end of September 2017 and lasted until around May 2018. Cruise ships started to plug in as soon as a few days after power was re- energized at the end of April 2018.

For more information see CARB website: [http:// www.arb.ca.gov/ ports/ shorepower/ shorepower.htm](http://www.arb.ca.gov/ports/shorepower/shorepower.htm)