



2020 AAPA EXCELLENCE IN COMMUNICATIONS AWARDS

Classification: Directories/Handbooks

Tidetables & Reference Guide Brochure



7 Communication Challenges and Opportunities

The Port of Long Beach is the Port of Choice – the premier U.S. gateway for trans-Pacific trade and a trailblazer in innovative goods movement, safety, environmental stewardship and sustainability. As the second-busiest container seaport in the United States, the Port handles trade valued at more than \$170 billion annually and supports 2.6 million trade-related jobs across the nation, including more than 575,000 in Southern California. The Port of Long Beach prides itself on its top-notch customer service and operational excellence, and in 2019 industry leaders named it “The Best West Coast Seaport in North America.” Founded in 1911 with a single municipal dock at the mouth of the Los Angeles River, today the Port encompasses 3,200 acres with 35 miles of waterfront, 10 piers, 80 berths and 66 gantry cranes. In 2019, the Port handled 7.6 million container units, the second-best year in its history.

Jacobsen Pilot Service Inc., a private company that has served the Port of Long Beach since 1922, keeps vessel traffic flowing smoothly and safely through San Pedro Bay using the latest technology and highly skilled crews. It is a longstanding maritime

tradition that the pilot who boards a commercial vessel to guide it in has the responsibility of welcoming the captain and crew and providing information about the port of call. The Tidetables and Reference Guide is one way the Port of Long Beach helps to facilitate safe and efficient navigation for thousands of vessel calls each year. The Guide is also a valuable resource for commercial vessel crews during their time ashore. Members of the local boating and yachting community also rely on the Guide.

The challenge for the Port of Long Beach Communications and Community Relations team was to produce the 2020 Tidetables and Reference Guide, incorporating accurately updated statistics, maps, contacts and a wide variety of vital information regarding safely, efficiently and successfully completing a San Pedro Bay call, no matter the size or configuration of the vessel, whether for commercial or recreational purposes.



The Port of Long Beach

2 Complementing the Overall Mission

One of the strategic goals of an updated Strategic Plan, released by the Port of Long Beach in April 2019 and posted on the Port website at www.polb.com/strategicplan, is to strengthen the Port's competitive position through secure and efficient movement of cargo while providing outstanding customer service.

Vessel movement is at the core of attaining that mission goal.

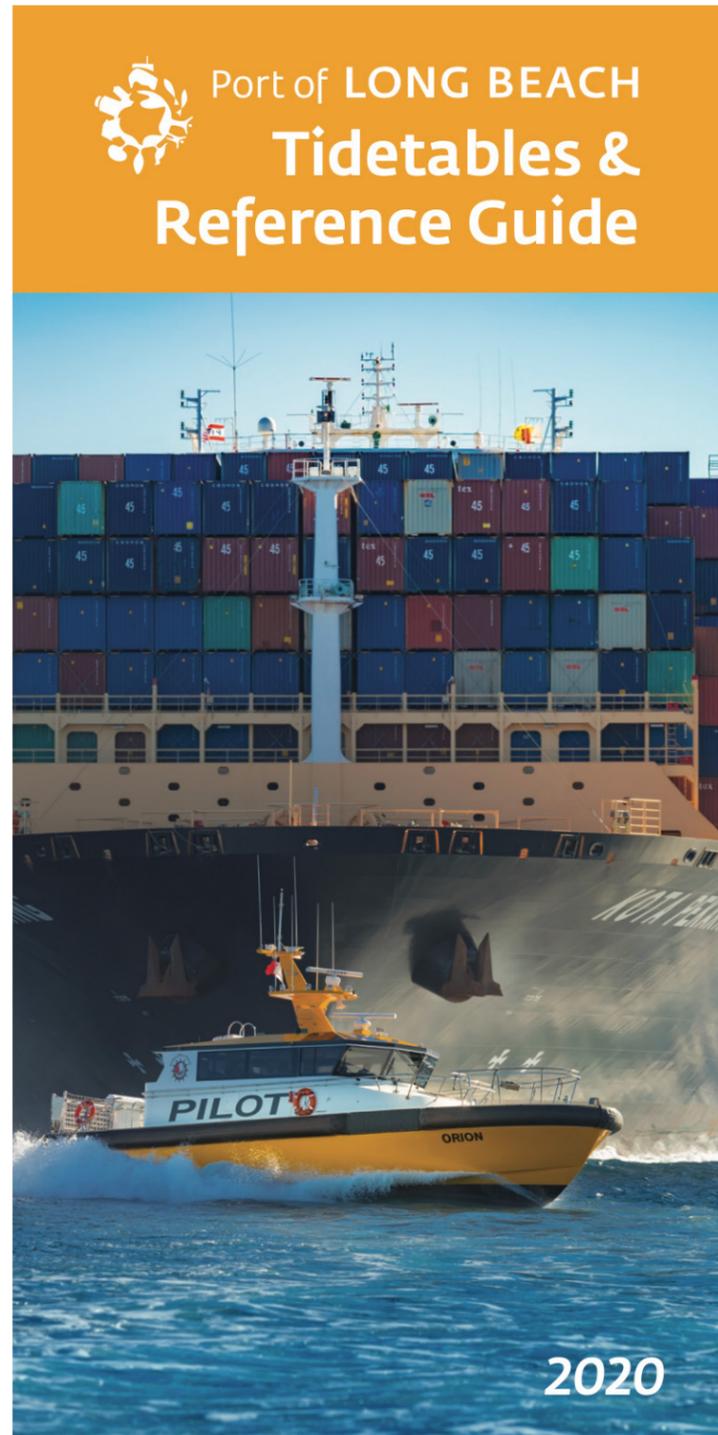
Dramatic changes have occurred rapidly at the Port of Long Beach. During the past decade, the Port

committed \$4 billion to capital projects to support trade and jobs growth, including terminal, waterway and bridge improvements, all affecting ships entering the harbor. Landside changes have affected crew activities.

This means accurately completing this annual update of the Tidetables & Reference Guide for 2020 is even more critical.



Pilot boat next to ship at the Port of Long Beach



Front and back cover of the Port of Long Beach Tidetables & Reference Guide 2020

- Professional engineering societies and oceanographic agencies
- Marine environmental groups
- Recreational vessel operators
- Academic institutions, students and educators
- Members of the media



Port of Long Beach Terminal Map

Pilot Ladder Requirements

RIGGING FOR FREEBOARDS OF 9 METERS OR LESS

COMBINATION ARRANGEMENT FOR SHIPS WITH A FREEBOARD OF MORE THAN 9 METERS WHEN NO SIDE DOOR AVAILABLE

Pilot Ladder Requirements

PILOT LADDER WINCH REEL

PILOT LADDER

Port of Long Beach Information

The Port of Long Beach is wrapping up a decade-long, \$4 billion capital improvement program to upgrade terminals, roadways and railways. These projects include:

- **Gerald Desmond Bridge Replacement:** A \$1.5 billion project to build a new bridge spanning the Port's Back Channel. The new bridge will be higher to allow additional clearance for larger, more efficient cargo ships, and will also be wider to ease the flow of cars and trucks that use the bridge. Construction should be completed in 2020. www.newgdbridge.com
- **Middle Harbor Terminal Redevelopment Project:** The \$1.5 billion modernization project is creating the greenest, most technologically advanced terminal in North America. Construction began in 2011, with the first half of the new Long Beach Container Terminal opening in 2016 and the final phase scheduled for completion in late 2020. The project adds on-dock rail capacity, shore power hookups and a longer wharf, which will allow the new terminal to move twice the cargo with half the air pollution of the terminals it replaces. www.polb.com/middleharbor
- **Pier B On-Dock Rail Support Facility:** Designed to shift cargo containers from trucks to rail, the planned \$870 million facility will help the Port stay competitive and meet environmental targets. Construction is expected to be complete by 2032. www.polb.com/pierb

Tidetable pages with pilot ladder requirements images, and Port of Long Beach information

4 Actions Taken and Communication Outputs Used

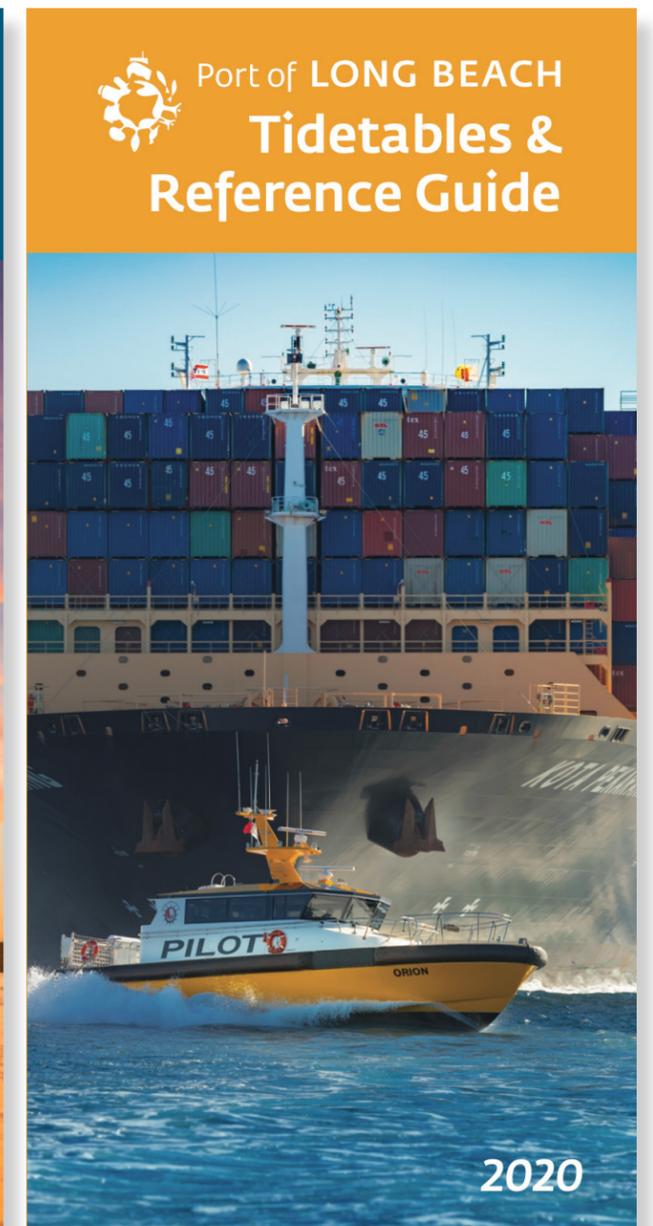
Overview

The Tidetables and Reference Guide is updated each year by the Port of Long Beach Communications and Community Relations Division in collaboration with Jacobsen Pilot Services Inc., which shares the \$8,500 cost of the publication of 4,000 guides each year (making the unit cost about \$2 each). Port contractor Queen Beach Printers was selected to print the 2020 Guide.

Most updated images are drawn from the Port's extensive photo archive, but Port contract photographers provided additional images.

Jacobsen provides updates relevant to its operations, while Port staff updates policies and procedures from the Harbor Department. All design and layout work is done in-house by the Port's Communications staff, and their work, totaling approximately 50 hours, is separate from the out-of-pocket budget.

Tidetables covers from 2018, 2019 & 2020



Jacobsen, which has served the Port of Long Beach since 1922, is the primary distributor for the guide, fulfilling the longstanding maritime tradition that pilots going aboard commercial vessels welcome captains and crews and provide information about the port.

Approximately 2,000 commercial vessels call at the Port of Long Beach each year and receive the Guide and the Port receives several hundred requests for the booklet each year from members of the area's boating, yachting and marina communities.

A PDF of the booklet is also posted on the Port's website, polb.com, for all interested users to quickly access the information.

The finished 72-page color Guide measures 7¼ inches tall by 3½ inches wide and conveniently fits into a shirt or jacket pocket. The flat measurement is 7¼ inches square which is folded once vertically and saddle stitched. The cover features both a container vessel and a Jacobsen Pilot Service vessel, reflecting both the Port's mission of moving cargo and its partnership with Jacobsen.

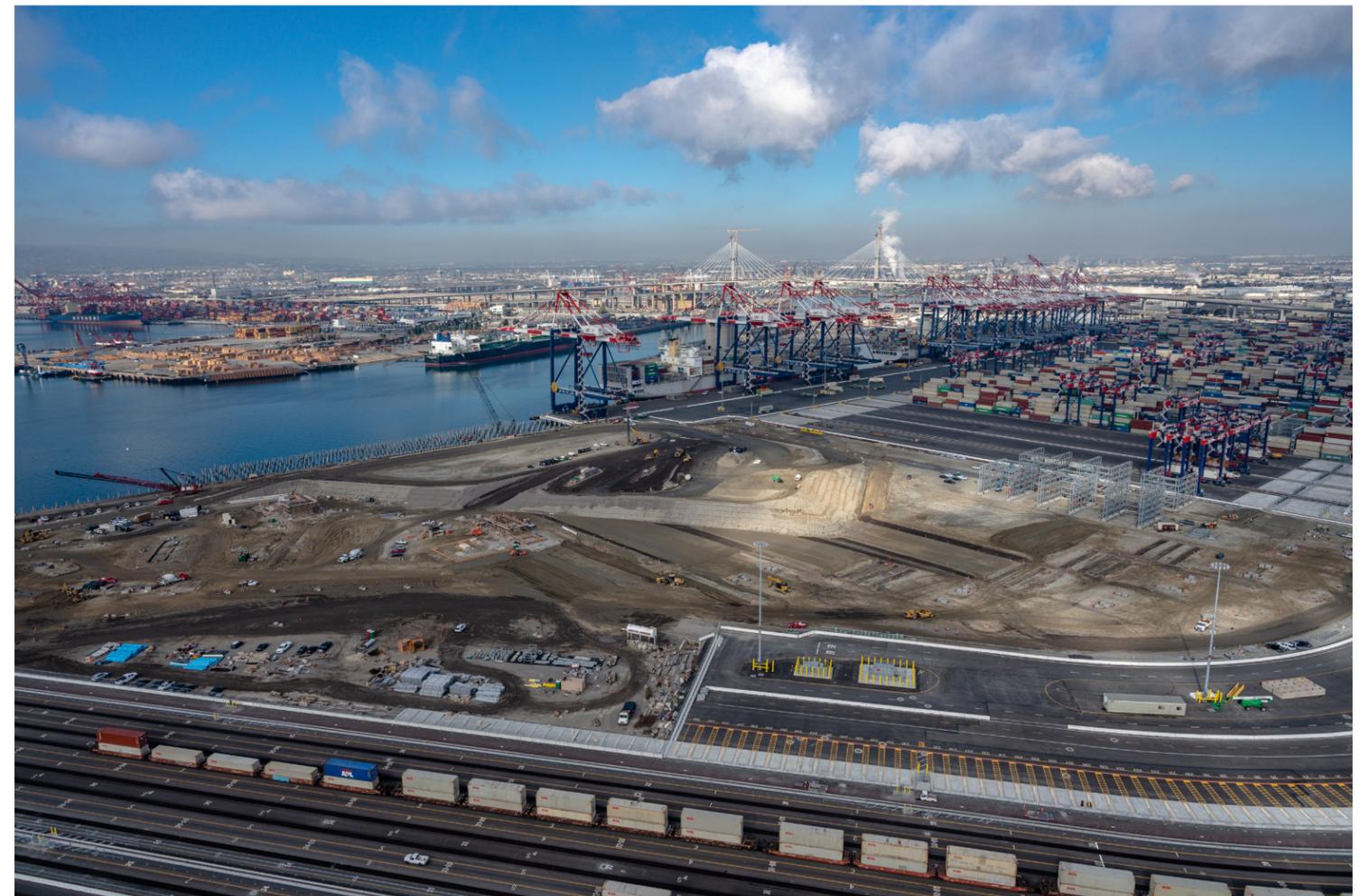
In keeping with the Green Port Policy at the Port of Long Beach, the cover of the 2020 Tidetables and Reference Guide was printed on waterproof recyclable paper, and the book is printed on recycled paper.

The update process began in October 2019, and the revised Guide was available for distribution in December 2019.

Tactics

The 2020 Guide is the result of 60 years of edits, additions and improvements, and the following tactics were used to update the latest version.

- Engineering Review – The Port's Engineering Division reviewed facility information to assist with the modification of some data contained in the Guide. Consideration was focused on dredging, terminal configurations, and capital improvement projects including the Middle Harbor Terminal Redevelopment Project, the Gerald Desmond Bridge Replacement Project and the rebuilding of the Schulyer Heim Bridge.



Port of Long Beach's Middle Harbor, with Gerald Desmond Bridge Replacement in the background

- Green Port Policy Update – The Port of Long Beach adopted a Green Port Policy in 2005, and updated information is added to the Guide each year. New details were provided about the Port’s environmental incentive programs, including the Green Flag Program to reduce pollution with slower ship speeds in the harbor, along with the Green Ship Program to reward ocean carriers for bringing their cleanest vessels to Long Beach. Information was also updated about the low-sulfur fuel requirements, cold ironing and ballast water regulations.
- Other Guide Updates – All personnel and contact information for the Port and Jacobsen was updated, as was standard information including Maps of the Harbor, Tidetables, Tug Escort/ Assist Information, Port Facts and Figures, Vessel Operating Procedures, and Port of Long Beach Policies and Programs. The Reference section at the back of the Guide includes updated information to explain the City of

Long Beach to visiting mariners who wish to come ashore.

- Input from Guide Users – Any feedback received from vessel captains and the local boating community is also considered in the update process.

Port of Long Beach Rules and Regulations

The Port of Long Beach Tariff No. 4 covers all Long Beach Harbor District rules and regulations. Full text of the rules are available on the Port’s website, www.polb.com/tariff. Tariff questions or comments may be directed to the Tariff Administrator at smothers@polb.com.

Green Port Policy

The Port of Long Beach is a national and world leader in environmental stewardship. The Port’s Green Port Policy, adopted in 2005, sets the framework for all of the Port’s environmental protection efforts. The Port’s environmental programs are enhancing water quality for marine wildlife, improving air quality in the surrounding community, cleaning soil and undersea sediments, reducing traffic and creating a sustainable Port culture for future generations.

Thank you for your cooperation with the Port of Long Beach’s Green Port environmental efforts.

Smokestack Emissions

The Port’s Harbor Patrol and the South Coast Air Quality Management District (AQMD) enforce air quality regulations regarding vessel exhaust stack emissions while at berth. Please help prevent excessive smoke and soot from your vessel by following appropriate operational procedures, in compliance with **AQMD’s Rule 401** (Excessive Smoke) and **AQMD’s Rule 402** (Public Nuisance). Violations of the AQMD rules are misdemeanors subject to court action and possible penalties of \$75,000 per day in fines and/or one year imprisonment. More information can be found on the [AQMD website at http://aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-iv](http://aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-iv)
Questions: (562) 283-7100

Green Ship Incentive Program

To reduce emissions from ships in transit, the Port of Long Beach rewards ships with the cleanest engines. Vessels with main engines meeting 2011 Tier 2 standards established by the International Maritime Organization (IMO) will be eligible for an incentive of \$2,500 per ship call. Vessels meeting 2016 Tier 3 standards are eligible for an incentive of \$6,000 per ship call. Incentives will be paid directly to the operator on a quarterly basis. To register for the program or for more information, go to www.polb.com/greenship.

Shore Power Regulation

The California Air Resources Board (CARB) requires container ships, refrigerated (reefer) ships, and passenger ships to turn off their auxiliary engines while at berth and connect to another source of power. As of 2014, at least 50% of a fleet’s visits had to use grid-based electrical shore power or an alternative control technology that achieves equivalent emission reductions. On Jan. 1, 2017, the compliance requirement increased to 70%. In 2020, 80% of a ship’s fleet must use shore power. CARB is planning to adopt a new At Berth Regulation in 2020, which would include at berth emission reduction requirements for tanker vessels and roll-on, roll-off cargo. The rule will go into effect January 2021. More information on the shore power regulation can be found on the [CARB website at www.arb.ca.gov/ports/shorepower/shorepower.htm](http://www.arb.ca.gov/ports/shorepower/shorepower.htm)

Green Flag Incentive Program

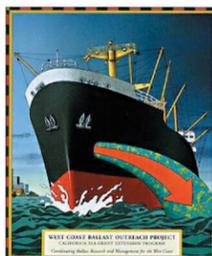
ENVIRONMENTAL Achievement

Vessels that reduce their speeds as they approach or depart the Port of Long Beach use less fuel, which in turn reduces air pollutant emissions. Vessels that voluntarily reduce their speeds to 12 knots or less within 20 or 40 nautical miles of Point Fermin during a calendar year are rewarded with a Green Flag environmental achievement award to recognize their contributions to improved air quality. Operators that achieve a 90% or higher compliance rate in a calendar year may earn dockage rate reductions. Vessel speeds are monitored and recorded by the Marine Exchange of Southern of California.

Air Quality Compliance Zone
12 Knots 20 or 40 Nautical Miles from Point Fermin

Tidetables pages with Green Port Policies and Incentives information

Ballast Water Program



The Port of Long Beach strongly supports federal and state ballast water regulatory programs designed to prevent the introduction of non-native aquatic plants and animals into the Port's marine environment. Non-native organisms can have serious, long-lasting adverse effects on marine ecosystems.

Federal Regulation

Vessels entering the Port of Long Beach from outside of the economic exclusion zone must comply with federal laws established to protect coastal waters and habitat from non-native species. The U.S. Environmental Protection Agency as well as the U.S. Coast Guard establish and enforce federal regulations related to ballast water discharge and management, including through the EPA's Vessel General Permit (VGP) and the National Invasive Species Act of 1996 (NISA). See the final language and permits for more information.

State Regulation

The California Marine Invasive Species Act AB433 requires all vessels that enter U.S. territorial waters to manage ballast water according to prescribed measures. Along with meeting the federal ballast water standards, vessels entering the state of California must also comply with the performance standards established by the California State Lands Commission. Refer to Article 4.7 of the Marine Invasive Species Regulations. Failure to comply with the program may result in fines. For vessels currently outside of the state or federal compliance schedules, it is requested that ballast water not be discharged within Port waters. If ballast water discharge must occur for the safety of the vessel or crew, the discharged ballast water must be in compliance with both federal and state regulations.

For more information on the federal and state programs, please contact: **U.S. Coast Guard Ballast Water Management Program — Environmental Protection Agency**
VGP Website: www.epa.gov/npdes/vessels-vgp
Website: www.dco.uscg.mil/
Email: environmental_standards@uscg.mil

California State Lands Commission
Ballast Water Program Website:
www.slc.ca.gov/Programs/MISP.html

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Vessel Discharge Regulations

The U.S. Environmental Protection Agency has issued the Vessel General Permit (VGP), which regulates 27 separate discharges to the water that are considered incidental to the normal operation of vessels, including deck washdown, runoff from above waterline hull cleaning, bilge water discharge, ballast water, and anti-fouling leachate from anti-fouling hull coatings.

The VGP applies to all vessels (excluding recreational boats, non-recreational vessels less than 79 feet and fishing vessels) that call at the Port. Permit requirements include operational control measures, inspection, monitoring, recordkeeping and reporting requirements. All vessels regulated by the VGP must apply for and receive a Notice of Intent (NOI) to discharge under this permit.

For more information, or to apply for coverage under the permit, please visit: www.epa.gov/npdes/vessels.

Low Sulfur Fuel Requirements



Vessels calling at California ports are required by the California Air Resources Board to use low sulfur marine distillate fuels (marine diesel oil or marine gas oil) with a maximum sulfur content of 0.1% in auxiliary engines, main (propulsion) engines, and boilers within 24 nautical miles of the California coast and Channel Islands. Vessel operators must also comply with the North American Emission Control Area (ECA), which requires vessels to use low-sulfur fuels with a maximum sulfur content of 0.1% within 200 nautical miles of the California Coast.

For further information on the CARB Ocean-going Vessel Fuel Regulation, visit: www.arb.ca.gov/ports/marinevess/ogv.htm

Information on the North American ECA can be found at: www.epa.gov/otaq/oceanvessels.htm#northamerican.

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Whales, Dolphins & Pinnipeds



Whales, dolphins and pinnipeds (sea lions and seals) are protected under the Marine Mammal Protection Act of 1972. It's a violation of federal law to harass or harm them. Harassment includes pursuit, torment, or annoyance of a marine mammal or attempting to do so.

DISTANCE: You should remain at least 100 yards (300 feet) from cetaceans and at least 50 yards (150 feet) from pinnipeds.

OBSERVATION: Upon sighting marine mammals, stop your vessel, observe, and then attempt to parallel the animal's course.

- Avoid sudden changes to vessel speed and direction.
- Never follow behind, approach animals head-on, encircle or trap cetaceans between your vessel and shore.
- Never feed, touch or ride marine mammals; it is against the law.
- If cetaceans approach your vessel, maintain your course and speed. If the animals cut your course, put the boat in neutral and wait until they clear your vessel.
- Limit viewing time to 30 minutes to avoid creating unnecessary stress for the animals.

REPORT INCIDENTS OF HARASSMENT OF MARINE MAMMALS TO: National Marine Fisheries Service 24-hr hotline (800) 853-1964. Boaters can use VHF Channel 16 to contact local authorities.

YOU CAN HELP MARINE MAMMALS IN DISTRESS:

If you see a stranded animal, keep your distance and call NMFS California Stranding Coordinator (562) 980-3230. Report injured whales to the 24/7 hotline: (877) SOS-WHALE, (877) 767-9425.

Thanks to oceanconservation.org for this information.

For info about the OCS Be Whale Aware campaign: www.oceanconservation.org/education/be-whale-aware/index.html.

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Information for Visiting Seamen

International Seafarers Center of Long Beach-Los Angeles
120 South Pico Avenue, Long Beach, CA 90802
Email: iscpolb.la@verizon.net

Phone: (562) 432-7560 Open Monday-Friday 3 to 10 p.m.
FAX: (562) 432-6610

The International Seafarers Center of Long Beach, located at the Port of Long Beach, is the only full-service, nonprofit, non-denominational seamen's facility operating in the harbor area.

The ISC provides: Free van transportation is available for officers and crew members. Call the (562) 432-7560 from the marine terminals for pickup to the ISC center (and to local shopping)

- Private phone booths
- Phone cards at lowest cost
- Pool table, pingpong, basketball and volleyball
- Free used clothing
- Free books, magazines and crossword puzzles
- Free computers and Internet services
- Television room with DVD movies
- Fresh cookies, snacks and soft drinks

In addition to the International Seafarers Center of Long Beach, the following organizations provide counseling, transportation, health care and other services for visiting crew members.

Concentra

100 Oceangate P245
Long Beach, CA 90802
Phone: (562) 432-2821 Fax: (562) 437-1353
Hour: Monday - Friday: 7 a.m.-6 p.m.

Norwegian & Swedish Seamen's Church

1035 South Beacon St.
San Pedro, CA 90731 Phone: (310) 832-6800
Call for hours

Catholic Maritime Ministry

Port of Los Angeles, Berth 93A, Level 1
Mail: c/o Mary Star of the Sea Catholic Church
870 W. 8th St.
San Pedro, CA 90731

Office Hours: Monday-Friday: 9 a.m.-noon; 1-8 p.m.
Saturday: 9 a.m.-4 p.m. Sunday: Closed
Phone: (310) 833-3541

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Tidetable pages with vessel regulations and marine mammals information, as well as information for visiting seamen.

5 Communications Outcomes and Evaluation Methods

The 2020 Tidetables & Reference Guide was completed on schedule and within budget, fulfilling all project objectives. 4,000 copies of the handy booklet were published, and traditional distribution is underway.

A PDF of the booklet was also posted on the Port's website at <https://www.polb.com/business/port-operations-and-facilities#facilities-guides-tidetables> for all interested users to quickly access the information. The Port premiered a new website as part of an overall brand update on Feb. 25, 2020, and tracking on the new site indicated that the Tidetables & Reference Guide was downloaded 74 times between that launch date and April 28 – a two-month period.

LONG BEACH BOARD OF HARBOR COMMISSIONERS

Bonnie Lowenthal	President
Frank Colonna	Vice President
Lou Anne Bynum	Secretary
Tracy J. Egoscue	Commissioner
Steven Neal	Commissioner

The Port of Long Beach is one of the most successful seaports in the world. In order to remain successful in a competitive and rapidly changing global economy, we are committed to being proactive in our preparations for future challenges, and strategically managing our resources in order to achieve our vision.

OUR VISION

The Port of Long Beach will be the global leader in operational excellence and environmental stewardship.

MISSION

The Port of Long Beach is an international gateway for the reliable, efficient and sustainable movement of goods for the benefit of our local and global economies.

VALUE PROPOSITION

Our customers choose the Port of Long Beach because we are the most reliable, most cost-effective and greenest gateway for the movement of goods to America's major consumer markets.



Port of
LONG BEACH
The Green Port

PO Box 570 • Long Beach, CA 90801
415 W. Ocean Blvd. • Long Beach, CA 90802
Phone: (562) 283-7000 Fax: (562) 283-7781
Email: info@polb.com www.polb.com

TUGS AND SALVAGE

AMERICAN MARINE
1500 South Barracuda St., Berth 270 / 271
Terminal Island, CA 90731
Phone: (24 Hr) (310) 832-3321 Phone: (310) 547-0919

AMNAV MARITIME CORP - Ch. 13
Phone: (310) 901-3383

CONNOLLY-PACIFIC CO. - Ch. 79A
1925 Pier D St., Long Beach, CA 90802
Phone: (562) 437-2831

CROWLEY MARINE SERVICES - Ch. 10
Berth 86, 300 South Harbor Blvd., San Pedro, CA 90731
Phone: (310) 732-6570

CURTIN MARITIME CORP. - Ch. 65A
1500 Pier C Berth 57, PO Box 2531, Long Beach, CA 90801
Phone: (24 Hr) (562) 343-3170 Phone: (562) 983-7257

FOSS MARITIME - Ch. 19A
Pier D, Berth D35, PO Box 1940, Long Beach, CA 90802
Phone: (562) 435-0171

PACIFIC TUG BOAT SERVICES - Ch. 16
1512 West Pier C, Berth C 58, Long Beach, CA 90813
Phone: (562) 590-8188

MILLENNIUM MARITIME, INC. - Ch. 18A
1610 Barracuda St., Los Angeles, CA 90731
Phone (310) 831-9200

MULDOON MARINE SERVICES, INC. - VHF Ch. 13 / 16
716 West 14th Street, Long Beach, CA 90813
Phone: (24 Hr) (562) 432-5670

SAUSE BROTHERS - Ch. 13 / 16 / 65A
1607 West Pier D St., Long Beach, CA 90802
Phone: (562) 901-0365

VANE BROTHERS - Ch. 13
Phone: (562) 481-9616

WATER TAXIS
SERVICE AVAILABLE FROM LONG BEACH & SHORELINE MARINA

AMERICAN MARINE 1500 S. Barracuda St.,
Berth 270 / 271, Terminal Island, CA 90731
Phone: (24 hr) (310) 832-3321 Phone: (310) 547-0919

PACIFIC TUG BOAT SERVICES - Ch.16
1512 West Pier C, Berth C 58, Long Beach, CA 90813
Phone: (562) 590-8188

SHIP SERVICES - Ch. 16 / 8
971 South Seaside Ave., Terminal Island, CA 90731
Phone: (310) 519-8411

U.S. WATER TAXI - Ch. 16 / 9
Berth 60, San Pedro, CA 90731 Phone: (310) 519-8230

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Port of Long Beach information and useful resources in front and back inner covers

"The yearly Tidebooks are used by our pilots and passed out to all ship captains visiting the Port of Long Beach. Packed with useful information, the Captains always look forward to getting the latest version. Not only does it have critical data for the safe navigation of the ships but also, handy information for crew members going ashore. The Tidebook is a convenient size that fits into your pocket.

"Jacobsen Pilots have been serving the Port of Long Beach for close to a century, and for 60 of those years, our pilots have been distributing this Guide as part of the maritime tradition of welcoming ships' masters and introducing them to the Port of Long Beach."

*-Thomas A. Jacobsen, President
Jacobsen Pilot Services Inc.*

"By producing the Tidetables & Reference Guide each year, the Port not only has the opportunity to provide critical data, but also share the key messages my Communications team is distributing through all other platforms. And because the commercial and recreation captains who use this guide refer to it frequently, those messages are viewed repeatedly."

*-Kerry Gerot, Port of Long Beach
Director of Communications & Community Relations*

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