America’s Distribution Hub for the Next Generation
Gilda Ramirez  |  Sr. Director  |  Port Houston
Port Commission

Ric Campo
Chairman

Wendy Montoya Cloonan

Dean E. Corgey

Clyde Fitzgerald

Theldon R. Branch, III

Stephen H. DonCarlos

Roy D. Mease
About the Port of Houston

• Serving Houston for 100+ years
• 150 private and public facilities
• #1 U.S. port in foreign waterborne tonnage
• #1 U.S. petroleum, steel & project cargo port
• PHA is sponsor of the Houston Ship Channel
• PHA has 43 general cargo wharves
• Deep water access/intermodal
Continued Record Growth & Addressing an Aging Workforce

- Port Authority has seen record growth in recent years and maritime employment remains strong in Texas

- 2.1 Half of the region’s maritime workers are age 50 or older and are quickly approaching retirement.

- In 2009, the Port of Houston Authority (PHA) brought together stakeholders to address this problem and formed a nonprofit organization, the Port of Houston Partners in Maritime Education (PHPME).
Port Houston and PHPME Working Together for the Next Generation

- Non-profit PHPME formed in 2009 with support from Port Authority

- PHPME helped establish two-year and four-year maritime degree programs and training at local higher education institutions

- $5 million investment in education in past nine years
Maritime Education Programs

Maritime Academy High School Programs
- Galena Park, Houston, La Porte, and Pasadena Independent School Districts
  - HISD has designated Stephen F. Austin, one of the participating High Schools as a Maritime Magnet School offering a curriculum heavy in math, science and maritime industry programs

Program Benefits
- Dual course credits
- CPR, Forklift, and OSHA 10 Hour General Safety Certifications
- Texas Boaters Education Certificate
- TWIC Card (Transportation Worker Identification Credential)
- Entry level Merchant Mariner Credentials (Z-Card) (US Coast Guard Credentials)
- Exposure to maritime careers such as U.S. Coast Guard, U.S. Customs & Border Protection, vessel pilot, warehousing, and logistics
Maritime Education Program

Houston Community College Southeast

One-year Certifications:
• Logistics & Global Supply Chain Management (General Level I)
• Logistics & Global Supply Chain Management (Specialist Level I)

Associate Degree:
• Logistics & Global Supply Chain Management with a concentration in Maritime Logistics
Maritime Education Program

San Jacinto Maritime Technology & Training Center

• More than 72 USCG-approved maritime courses

• Full-range of non-credit courses for professional mariners and company specific training for maritime companies

Associate Degree:
• Maritime Transportation
Maritime Education Programs

Texas A&M University at Galveston

• One of six maritime academies in the United States

• Training Ship GENERAL RUDDER for extended training in the Gulf

• Bridge Simulator for sailing experience in any type weather

• Professional Licensing for Maritime Professions

Degrees Programs:
• Maritime Administration
• Marine Engineering Technology
• Marine Transportation
• Marine Sciences
• Master of Maritime Administration and Logistics
Maritime Education Programs

University of Houston
Logistics & Transportation Certificate:
• Logistics & Transportation Policy Program

College of Technology Degree:
• Supply Chain & Logistics Technology

University of Houston Downtown
College of Business Degree:
• Supply Chain Management
• Applied Arts & Sciences in Applied Administration
• Masters in Supply Chain Management
Maritime Education Program

Texas Southern University - Maritime Academy

Department of Transportation Studies Degree:
  • Maritime Transportation Management and Security
Maritime Education Program

Paul Hall Center for Maritime Training and Education
Unlicensed Apprentice Program

The Unlicensed Apprentice program successfully integrates vocational training and academic enrichment for professional advancement as a U.S. Merchant Mariner.

The Unlicensed Apprentice Program consists of five-phases of instruction.

**Advanced Training include:**
- Able Seafarer-Deck
- Able Seafarer-Engine
- Certified Chief Cook

Program trainees pay no tuition or housing, but do receive a weekly stipend.

PHPME awards partnering High School students a $1500 scholarship upon acceptance into the program.
# PHPME Partners in Education

### Industry Partners
- Aramco Services Company
- Bay-Houston Towing Co.
- Bertling Logistics
- Buffalo Marine Service, Inc.
- G & H Towing Company
- Gulf Stream Marine, Inc.
- Gulf Winds International
- Houston Pilots Association
- J. Ray McDermott
- Kirby Corporation
- Seamar Holdings, LLC
- Southwest Shipyard, LP
- Texas Terminals, LP
- West Gulf Maritime Association

### Academic Partners
#### School Districts
- Houston ISD
- Galena Park ISD
- La Porte ISD
- Pasadena ISD

#### Community Colleges
- Houston Community College
- San Jacinto College

#### Universities
- Texas A&M University-Galveston
- Texas Southern University
- University of Houston
- University of Houston Downtown

### Business/Organization Partners
- East End Chamber
- Economic Alliance Houston Port Region
- Greater Houston Partnership
- Greater Houston Black Chamber
- Houston Maritime Museum
- LaPorte-Bayshore Chamber
- NAMEPA
- North Channel Chamber
- Pasadena Chamber
- SERS Jobs
- Workforce Solutions

### Federal Partners
- U.S. Coast Guard
- U.S. Customs and Border Protection
- U.S. Maritime Administration
- U.S. Merchant Marine Academy
Other Collaborations
THANK YOU

Gilda Ramirez
Sr. Director
Port Houston

Questions?
713.670.2590
gramirez@poha.com

www.PortHouston.com
111 East Loop North
Houston, TX 77029