

America's Distribution Hub for the Next Generation

Arturo Gamez | LATAM Manager | Port Houston



Port Houston





- Governmental subdivision chartered by the State
- Governed by a seven - member Commission
- **Appointed by Harris** County, City of Houston and other neighboring cities
- **Owns/operates 8** public terminals -Operating (2) and **Landlord Port (6)**

Port Houston History



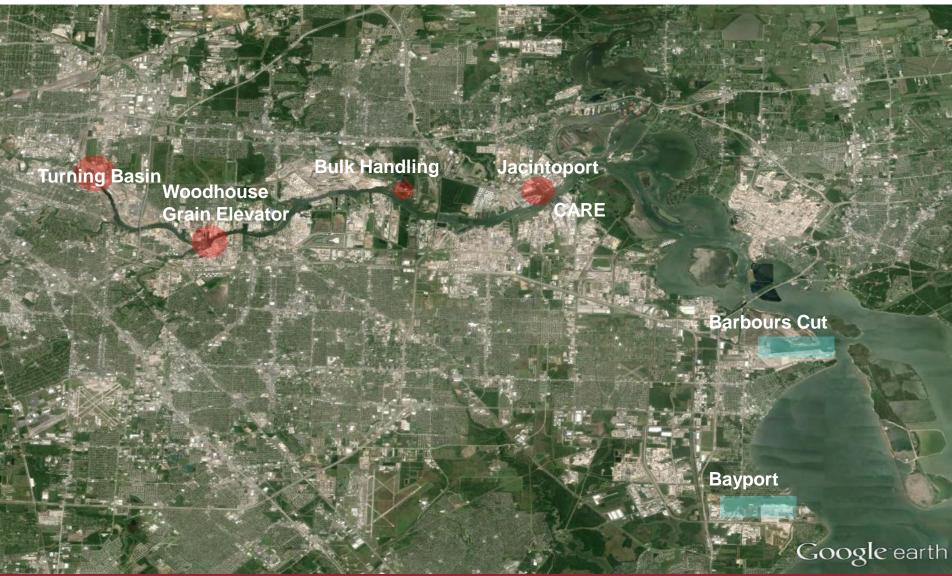
- 1911 Harris County Houston Ship **Channel Navigation District**
- 1914 the port officially opens to traffic
- 1926 USCOE dredges channel to 30 ft.
- 1956 World's first containership, *Ideal X*, calls the Port of Houston
- Today, PHA handles 68% of the containerized cargo in the U.S. Gulf of Mexico





Port Houston Terminals





State and Local Market



TEXAS

- 2nd largest state economy in the U.S. \$ 1.40 Trillion GDP
- 2nd largest state 8% of U.S. population 26M
- Population + 8.5% over next 5 years
- 51 Fortune 500 companies

HOUSTON

- 4th largest US metro area 6.1 M
- Population + 9.2% over next 5 years
- 25 Fortune 500 headquarters
- 23rd Strongest Economy in the World

IF TEXAS WERE A NATION...

- 11 Canada
- 12 Australia
- 13 TEXAS
- 14 Spain
- 15 Mexico

IT WOULD HAVE THE 13TH LARGEST ECONOMY IN THE WORLD

Major Gateway



NATIONAL & INTERNATIONAL STATUS

- # 1 U.S. port by foreign waterborne tonnage – 165.5M tons
- # 1 in petroleum, steel and project cargo
- # 6 ranked US container port by total TEUs
- # 15 largest port in the world by tonnage

2015 RESULTS

- PHA Revenue \$291.8M
- 234.3M total tons (PoH) | 35.7M total tons (PHA)
- 2.13M TEU (loaded and empty)
- 8,376 vessels | 223,000 barges (PoH total)



Houston Industrial Real Estate



3rd Largest in the U.S.

- More than 474 M SQ FT of industrial real estate
- Large variety of State and Local incentives
 - √ Tax abatements
 - √ Foreign Trade Zones
 - √ Freeport exemptions
 - ✓ Grants, loans and city resources
 - ✓ No corporate or personal income tax

TEXAS is No. 1 State Offering Best Incentives for Business and Industry

2013 Survey to Site Consultants Site Selection Magazine

U.S. RANKINGS

TEXAS is No. 1 State for Doing Business *Area Development Facility and Site Planning* 2013

HOUSTON is No. 1 Manufacturing City *Manufacturers' News Inc. 2013*

HOUSTON is No. 1 Metropolitan Area and No. 1 in Total Projects
Site Selection Magazine – March 2013

HOUSTON is No. 1 Largest Export Market in U.S.U.S. Department of Commerce, International Trade Administration 2013

HARRIS COUNTY is No. 1 Largest in Population Gain U.S. Census Bureau 2013



Foreign Trade Zone



BENEFITS

- Merchandise is free of duty and subject to fewer restrictions
- ✓ No time limit for storage
- Use of foreign and domestic raw materials for manufacturing
- ✓ No quota restrictions

The Houston FTZ is sponsored and maintained by the Port of Houston Authority 23 general purpose

zones and 16 subzones

Over 12,000 acres of total FTZ area – 3,000 acres for public use

For FTZ questions, contact: Shane Williams at (713) 670-2487 or smwilliams@poha.com

Distribution Strength



Dallas/Forth Worth

- Albertson's
- Anheuser-Busch
- Anderson Merchandisers
- American Honda
- Best Buy
- Blue Linx
- BPI
- Coaster Co. of America
- Costco Wholesale Corp.
- CVS/Caremark Corp.
- Daimler AG
- Dal-Tile Corp.
- Deere & Co.
- Del Monte Foods
- Dillard's
- Ford Motor Co.
- Educational Products
- Ford Motor Co.
- Garden Ridge
- General Electric
- Goodyear Tire & Rubber
- Haggar
- Haverty's Furniture
- The Home Depot
- Icon Health & Fitness
- JC Penney
- KidKraft
- Kimberly-Clark

Dallas/Forth Worth

- LG
- Lowe's
- Michael's Stores
- Neiman Marcus
- Nestle USA
- Nissan North America
- Office Depot
- Oriental Accent. Inc.
- Parkway Transport, Inc.
- Pier 1 Imports Inc.
- Radio Shack Corp.
- Samsung
- Sara Lee Bakery Group
- Save-A-Lot
- Sears Holding Corp.
- Shaw Industries, Inc.
- Southern Wines & Spirits
- Staples
- Target Corp.
- TD Supply
- Terry's Supermarket
- The Container Shop Corp.
- The Home Depot
- Vecta
- Walgreens Co.
- Walmart Stores
- Whirlpool Corp.

Greater Houston

- 99 Cent Only Stores
- Aaron Rents. Inc.
- Academy Sports
- Ashley Furniture
- Anheuser-Busch
- BEL Furniture
- Best Buv
- BlueLinx
- Cap Barbell
- Cardinal Healthcare
- Conn's Appliances
- Crown Mark

Furniture

- CVS
- Dal-Tile
- Dell
- Eastman Chemical
- Ethan Allen
- Fiesta Mart
- Ford Motor
- Gerland Corp.
- Gulf & Basco
- HEB
- Heineken
- The Home Depot
- Ialoo Products
- Kimberly-Clark
- Kroger
- Macy's

Greater Houston

- Michelin
- Office Max
- Red Bull
- Ricoh
- Rooms To Go
- Walgreen's
- Walmart

East Central Texas

- CVS
- Eastman Chemical
- Family Dollar Stores
- Guardian Industries
- The Home Depot
- Kohl's
- Newell Rubbermaid
- Stage Stores
- Tru-Serve-True Value
- Walmart



Area Fact Sheet

An Area Fact Book Executive Summary





OF

Port of Houston Area

A Warehousing & Distribution Facility Logistics Profile

Market Reach

- Local Market Reach to over 7 million people within 1 day's drive time
- Regional Market Reach to over 28 million people for next day delivery service

Real Estate

- Comparable or lower Real Estate Costs than US national Averages
- Favorable Business Tax Climate with no State corporate or personal income taxes
- Large variety of State & Local Incentives, including tax abatements, grants, & loans
- Favorable Business Climate rankings against many US cites

Quality of Life

 Desirable Quality of Life factors, including a lower cost of living than DFW or US Average

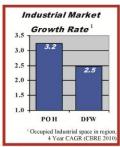
Labor

- Access to a Labor Force of over 2.5 million within 30 miles of site
- Growing Warehouse Labor workforce population of 3.7% CAGR
- Labor Union Right-To-Work State with a smaller Union Profile than the USA Average

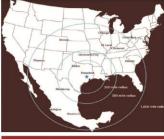
Roadways

- Extensive, growing Highway Infrastructure of 14 major freeways & 3,000 centerline miles
- Traffic Congestion levels comparable or better than DFW and other US urban areas





When compared to DFW, the POH area has a greater rate of growth in occupied industrial real estate than DFW



Introduction

This Area Fact Sheet is an Executive Summary of the Area Fact Book of the Port of Houston (POH) and greater Houston metropolitan area. It provides a description of key logistics factors for a proposed warehousing & distribution site in the POH area, including criteria utilized by Shippers and their agents in warehouse site selection studies, such as:

- Market Reach
- Ports
- Real Estate Factors
 Ouality of Life
- Railroads
 Motor Carriers
- Wotor Carrier
- Demographics
- Air Freight
 Facility Connecting
- Labor
 Infrastructure
- Facility Operating

Infrastructure
 Costs
 Selective comparisons have been made to potential competitive warehouse development regions, including the Dallas - Fort Worth (DFW) region.



POH Area Highway Map





Port

- . World-class Container Port Facilities with no Port-related BCO User Fees
- · Port Organized Labor with little or no recent labor action or work stoppages
- · Port Landside Access to major freeways within 20 miles & on-dock intermodal rail facility
- · Extensive Port Logistics Facilities Base with over 474 million sq. ft. of industrial real estate
- . Significantly lower Port Drayage Cost & Port **Drayage Transit Times** than DFW location
- · Steady growth of Containership Vessel Capacity of 6.6% CAGR, despite a world recession

Railroads

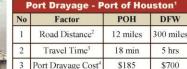
- Extensive Intermodal Rail Infrastructure with 4 nearby Terminals served by BNSF, KCS & UP
- Higher Rail Freight Volumes than DFW provides scale economies & equipment availability

Motor Carriers

- · Access to dozens of Truckload, Less-Than-**Truckload, & Container Drayage Carriers**
- · Centralized location with Over-The-Road Transit Times to most of the US within 4 days
- · Higher inbound Truck Freight Volumes assures equipment and competitive outbound rates

Air Freight

. World-class Air Cargo Airport with a large number of Air Carriers & high service rankings



Port Drayage from Port of Houston Barbours Cut Terminal to Greenwood St., Baytown, TX 77523 (POH) and Intermodal Pkwy Haslet, TX 76052 (DFW)

Road Distance; Data Source: MapPoint, 2011

Travel Time, (average driving speeds);
Data Source: ManPoint, 2011

Tariffs based on typical published drayage rates for a volume of 10,000 containers year (exclusive of fuel surcharges); Data Source: WCL, 2011



Port Drayage Route to DFW





Facility Operating Costs

 Lower Total Warehouse Operating Cost Factors compared to DFW location



Total Facility Operating Costs are lower in the POH area than DFW area

For more information contact The Port of Houston Authority +1713.670.2583 tradedevelopmentinfo@poha.com www.portofhouston.com





WCL-GHP-FS-1A

PORT HOUSTON

Security Enforcement



First to achieve ISO 28000 compliance for security management system







U.S. COAST GUARD	WATERSIDE AND FACILITIES
U.S. CUSTOMS & BORDER PROTECTION	Cargo and ship personnel
PHA POLICE	Landside terminals
PRIVATE REGULATED CORPORATE FACILITIES	Supported by U.S. Coast Guard and local law enforcement
HOUSTON SHIP CHANNEL SECURITY DISTRICT	Texas governmental entity, public/private partnership, security system and infrastructure







Environmental Commitment



First to achieve ISO14001 compliance for environmental management system

- WASTE MINIMIZATION
- **ENERGY EFFICIENCY**
- ✓ STORM WATER POLLUTION **CLEANUP PROGRAM**
- LEED STANDARDS
- DREDGED MATERIAL AREA **MANAGEMENT**

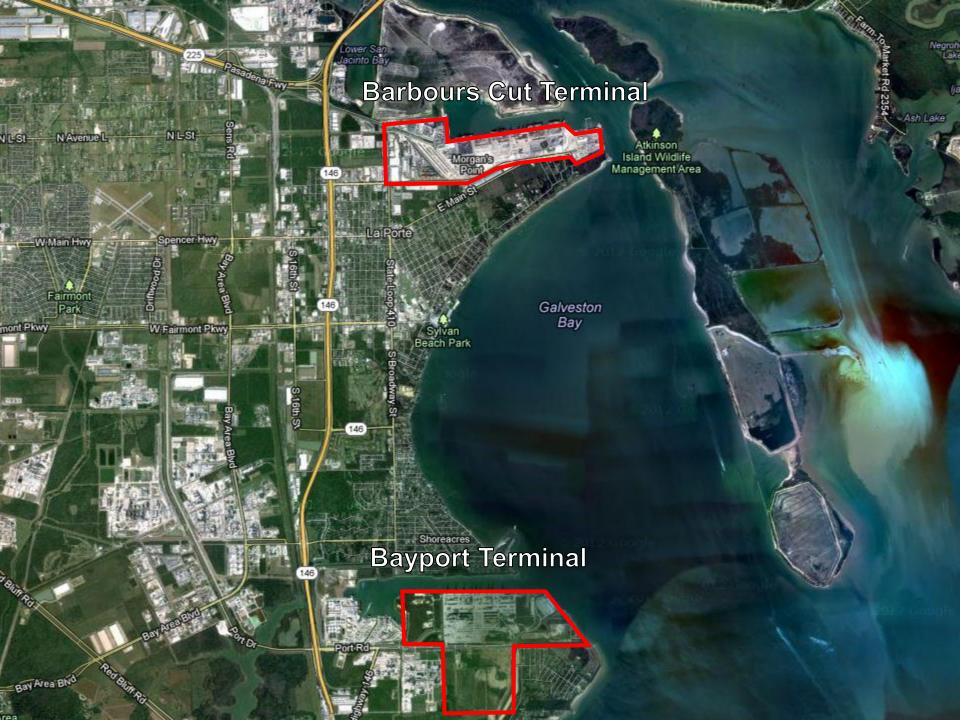












Channel Improvement Projects 🤝





Bayport Container Terminal



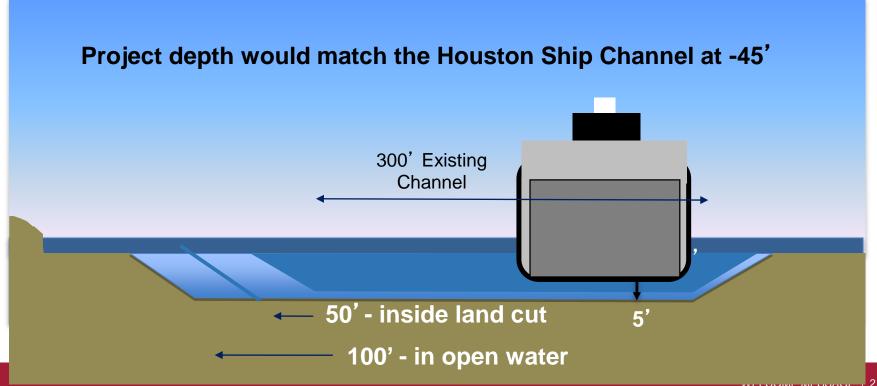
	Commont	At Built Out	
7.3	Current	At Built-Out	
Acres (ha)	175 acres (71 ha)	376 acres (152 ha)	
Berth	3	7	
Waterfront ft (m)	3,330 ft (1,015 m)	7,000 ft (2,130 m)	
Terminal Capacity	900,000 teu	3 M teu	
Equipment (cranes)	6 PP, 3 SPP	21 SPP	
	Ms		
		UC	PHA Capital Investment 2014-
			2018
	CALLS.		50% complete today
			6 Wharf SPP Cranes - \$73 Million
			Wharves 2 & 6 - \$140 Million
J. J.			CY 6 North/South - \$43 Million
	学出版,是"是"	With tax.	3 RTG's - \$6 Million
	THE RESIDENCE OF THE PARTY OF T	TO THE WAY	Next 10-year Completion - \$1

Proposed Bayport Improvements



BAYPORT CHANNEL:

- Deepen to -45' / 13.72m (authorized depth)
- Widen 300'-wide channel an additional 100', tapering to 50' additional width



Barbours Cut Container Terminal





Container Terminals

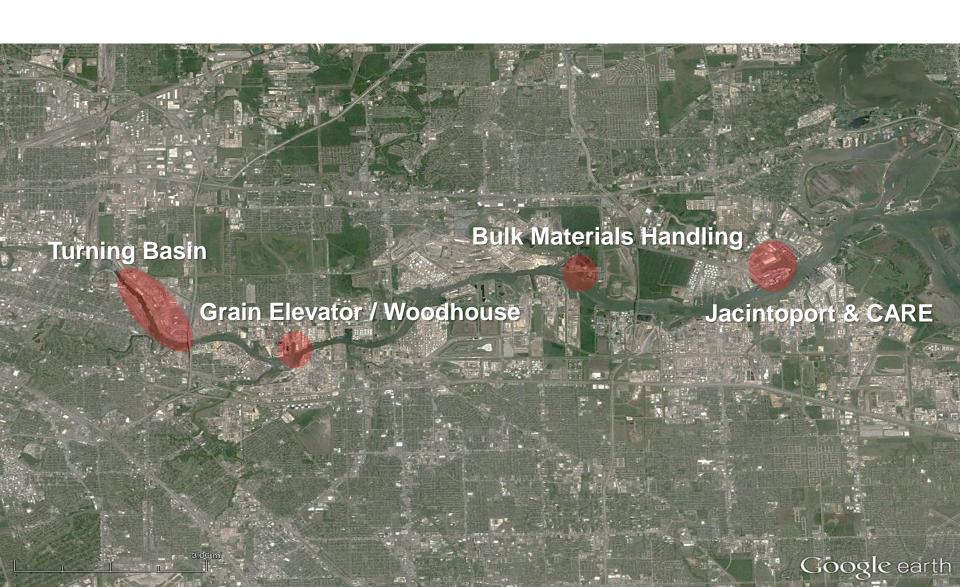
Dredging & Widening Projects



PROJECT SCOPE	Bayport and Barbours Cut Channel +5 ft. Deep *5 feet = 1.52 meters. Widening and other adjustments as needed To bring final depth to 45 feet depth (13.72 meters)
ESTIMATED COMPLETION	Barbours Cut Container Terminal: Completed Bayport Container Terminal: Summer 2016
ESTIMATED COST	\$85 Million
START WORK DATE	July 25, 2014
FUNDING SOURCE	PHA funds construction 100% Federal Assumption of Maintenance

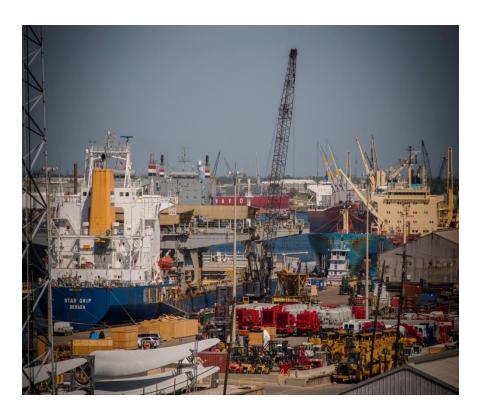
Upper Houston Ship ChannelBreakbulk Terminals





Turning Basin Docks





- 41 multipurpose wharves to handle breakbulk, container, project or heavy-lift, steel, vehicles, liquid/dry bulk and layberths
- 1.9 M SQFT covered storage; 3.3 M **SQFT** open storage
- 20,000 FT of docking space
- 1,000 pounds/SQ FT
- **Steel handling/processing; project** cargo staging areas
- Direct on-dock rail access and direct interstate access

Jacintoport

- 3 cargo wharves 1,836 FT
- Spiralveyor cargo handling
- 400 tons of bagged cargo/hour
- 200K SQ FT of climate-controlled storage
- FTZ designation
- On-site product bagging
- Direct on-dock rail access



Care



- 2 cargo wharves 1,118 FT
- 1,000 LB/SQFT capacity
- 15 acres of paved open storage
- 45,900 SQFT shed space
- Direct on-dock rail access



Jacintoport & Care











1. Americold

- · La Porte Facility: 9,893,000 cubic feet
- · Houston Facility: 4,851,000 cubic feet
- La Porte Facility: 48 truck bays
- · Houston Facility: 18 truck bays
- · Frozen/cooler capacity · Truck and rail served
- · FDA approved
- USDA inspection · Customs bonded
- · Fumigation services
- Sales contact: 281.867.2608 www.americold.com

origination@poha.com

www.portofhouston.com

NOCS ... Always Accountable Th

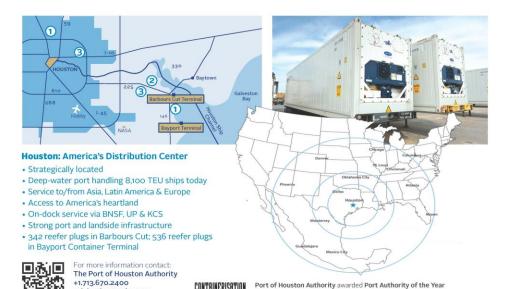
2. NOCS

- 4,200,000 cubic feet
- · Frozen/cooler capacity
- 32 truck bays
- · Truck and rail served
- FDA approved USDA inspection
- · Customs bonded
- Sales contact: 504.944.4400 www.nocs.com



3. Preferred Freezer

- La Porte Facility: 6,800,000 cubic feet
- . Houston Facility: 4,000,000 cubic feet
- La Porte Facility: 22 truck bays
- · Houston Facility: 23 truck bays
- · Truck and rail served
- FDA approved
- USDA inspection
- · Customs bonded
- Sales Contact La Porte: 281.330.6780
- Sales Contact Houston: 281.865.5222 www.preferredfreezer.com



by Containerisation International

CONTAINERISATION

WELCOME MESSAGE | 2





Construction of a 181,000 sq.ft temperature-controlled storage facility (40' high), consisting of:

- A 76,000 sq.ft frozen warehouse space to handle imported meat & seafood, and meat & poultry for export, containing 3 rooms, with total pallet capacity of 15,700 positions
- A 21,000 sq.ft chilled warehouse space to handle imported fruit & vegetables, containing convertible storage space, ripening room, fumigation area and pallet capacity of 2,900 positions
- o Four (4) blast freezing cells with 170 total pallet capacity to allow for 24-hour freezing of ambient export poultry
- A 15,000 sq.ft refrigerated warehouse space for repack & value-added services, including 5,000 sq.ft mezzanine for packing materials
- o An 85' deep shipping & receiving truck dock, with 30 dock doors and space for load staging, USDA inspection and handling.
- o A USDA inspection room located on the truck dock, with laboratory, office & inspection area
- Development of trailer parking facilities 30 spots (20 with electrical plugs) and 90 auto parking spots
- Two-story office facilities & employee amenities

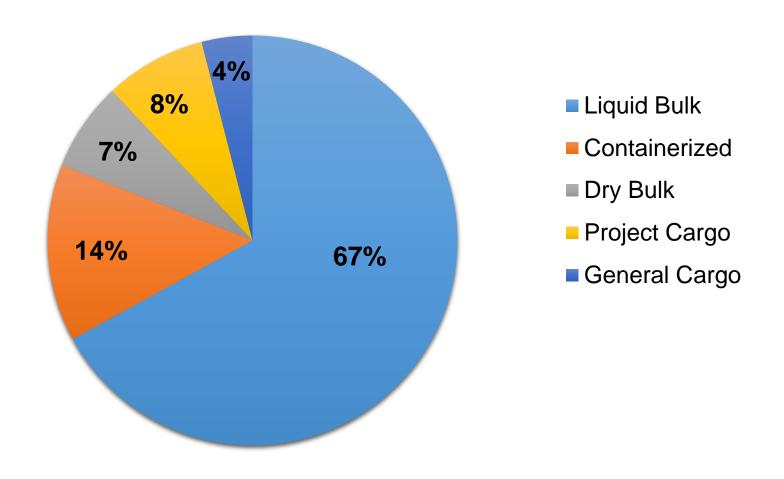






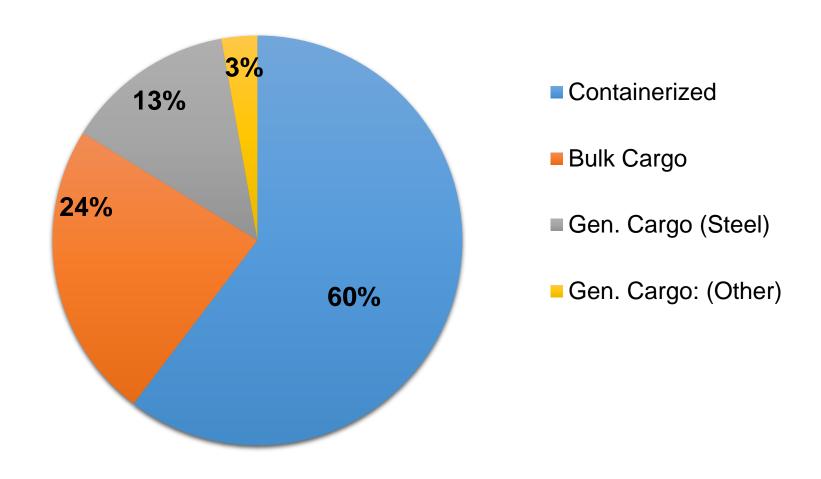
Port of Houston – Ship Channel 📁 Cargo Sectors – 2015





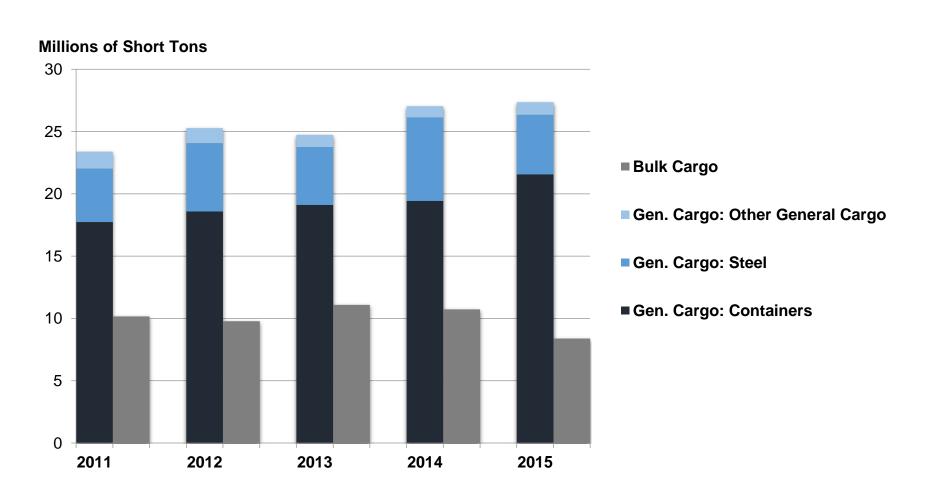
Port Houston – Port Authority Cargo Sectors – 2015



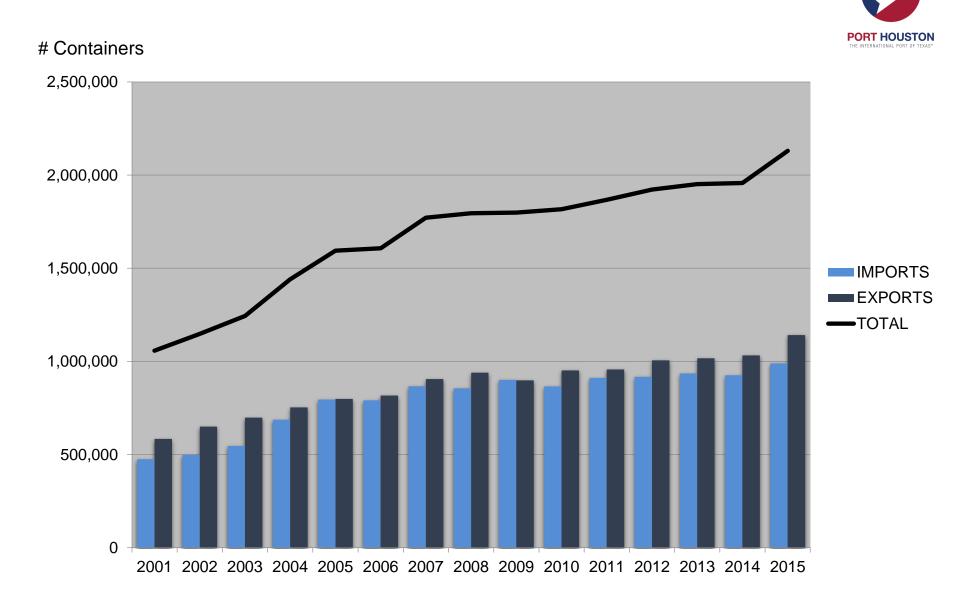


Port Houston Total Tonnage by Cargo Sector





Consistent Growth of Containers



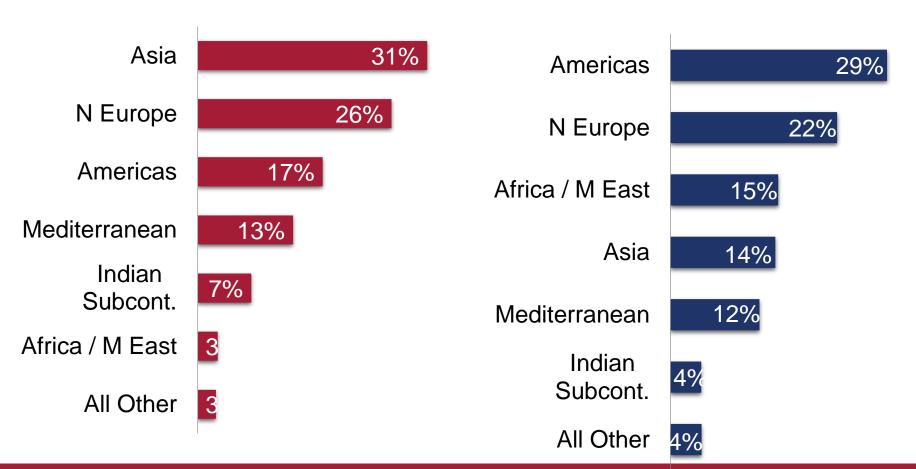
Note: Totals include empty containers Source: PHA Accounting, PHA Market Development

Port Houston Container Trade Share – 2015



Imports by Trade Region

Exports by Trade Region



Top Container Carriers

January through December 2015



TOP 10 CARRIERS	IMPORTS	EXPORTS	TOTAL TEU	PERCENTAGE
MSC	187,745	133,990	321,735	18.2%
CMA-CGM	142,144	140,707	282,852	16.0%
Maersk Sealand	136,541	107,100	243,641	13.8%
Hapag Lloyd	116,855	123,995	240,850	13.7%
China Ocean Shipping	41,005	83,753	124,758	7.1%
Hamburg Sud	75,232	37,026	112,258	6.4%
Seaboard Marine	68,517	33,063	101,580	5.8%
Hanjin Shipping Company	17,463	35,245	52,708	3.0%
Zim Container	19,600	27,156	46,757	2.7%
Safmarine	21,534	11,075	32,609	1.8%

Importers and Exporters



Containerized Freight - January through December 2015 (Excludes companies not listed in PIERS, e.g., WALMART)

TOP 10 PHA IMPORTERS	TEU	TOP 10 PHA EXPORTERS	TEU
Red Bull North America	11,986	Unitcargo Container Line	34,988
Heineken USA, Inc.	8,344	Shintech Inc.	27,794
Anheuser-Busch	6,595	Dow Chemical	25,960
Ikea	4,018	ExxonMobil Chemical	22,858
Nestle Waters	3,882	MTS Logistics	19,979
Michelin North America	3,727	Panalpina	17,434
Daltile	3,610	Vinmar	13,287
Caterpillar Inc.	3,538	Kuehne+Nagel	12,108
BDP International	3,474	Expeditors International	12,008
Goodyear Tire and Rubber	3,270	H Muehlstein	11,873

Import and Export Commodities

Containerized Freight – January through December 2015



PHA IMPORT COMMODITIES	TEU	PHA EXPORT COMMODITIES	TEU
Food & Drink	140,129	Resins & Plastics	271,050
Machinery, Appliances & Electronics	100,928	Chemicals & Minerals	158,000
Hardware & Construction Materials	95,453	Food & Drink	79,739
Retail Consumer Goods	81,781	Machinery, Appliances & Electronics	78,989
Steel & Metals	74,765	Automotive	58,334
Chemicals & Minerals	51,244	Fabrics including Raw Cotton	32,823
Automotive	50,937	Retail Consumer Goods	26,631
Resins & Plastics	48,464	Steel & Metals	25,070
Furniture	44,893	Hardware & Construction Materials	23,631
Apparel & Accessories	29,555	Apparel & Accessories	18,551
Fabrics including Raw Cotton	14,634	Furniture	4,562
Other	109,578	Other	143,515

Top Breakbulk Carriers

2015 versus 2014



TOP 10 CARRIERS 2015	TONNAGE	TOP 10 CARRIERS 2014	TONNAGE
Seaboard Marine, Ltd.	1,338,048	Star Shipping	1,348,088
Star Shipping	819,138	Seaboard Marine, Ltd.	1,308,668
Pan Ocean	553,634	BBC	479,784
Clipper Shipping	333,555	Pan Ocean	445,066
Western Bulk Carriers	306,669	Western Bulk Carriers	440,601
SK Shipping	257,904	SK Shipping	422,044
BBC	250,135	Clipper Shipping	323,954
Daewoo Logistics	243,373	Oldendorff Carriers, Inc.	285,187
Daiichi Chuo	190,529	Hyundai Merchant Marine	246,318
Volkswagen Of America - FTZ	163,843	Daewoo Logistics	211,466

Unparalleled Market Reach



8.4% of U.S. Population or 25.8 Million U.S. Consumers within 300 mile radius 12.9% of U.S. Population or 39.8 Million U.S. Consumers within 500 mile radius 45.9% of U.S. Population or 141.8 Million U.S. Consumers within 1,000 mile radius

INTERMODAL ACCESS

- ✓ Three Class I Railways (BNSF, UP.) KCS) with direct access to key intermodal hubs
- √ 1,400 major truck firms
- √ 16 intrastate & interstate highways network from Houston
 - 575.4 miles of highways & expressways

Chicago Columbus Denver St. Louis Cincinnati Oklanoma City Phoenix Atlanta 300 m/le radius Monterr 500 mile radius 1,000 mile radius dalajara Mexico C

TRUCK DISTANCE IN HOURS

DALLAS	LOS ANGELES	NEW ORLEANS	N. FLORIDA	CHICAGO
4	24	5.5	13.5	17.5
I-45 N	I-10 W	I-10 E	I-10 E	HWY. 59

Port Houston's Rail Network



Inter-rail agreements with CSX, NS & others offer rail connectivity to the Eastern U.S., Canada and Mexico.

DESTINATION	TRANSIT TIME FROM HOUSTON
Chicago	4 days
Memphis	3 days
St. Louis	2 days
Kansas City	2 days

Denver

94 weekly Intermodal departures and arrivals

- √ 16 weekly trains between Chicago, 4 of which are express trains
- 12 weekly trains between St. Louis
- Daily trains between Memphis



Panama Canal Opportunity

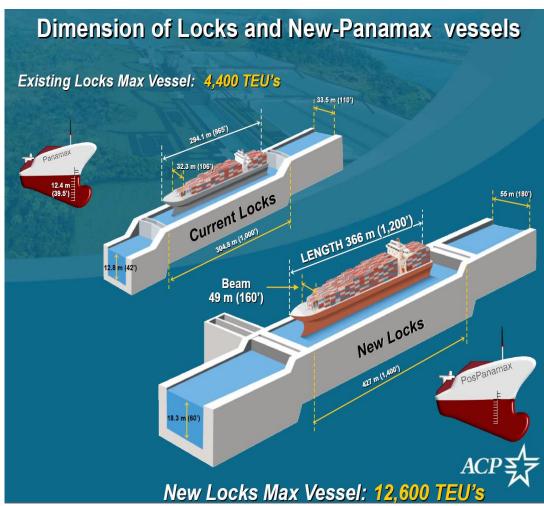


East Asian imports currently represent 31% of PHA's total inbound container trade volume

- Fastest growing population growth in the U.S.
- Increased consumer demand
- Centrally located gateway

Expanded Panama Canal brings new efficiencies

- Larger ships = lower cost per container
- Higher efficiency port (highest productivity in the U.S.)
- Attractive alternative gateway to Texas, Midwest and Latin America



Houston: A Gateway to the World



Strategic Location

- Huge Local Market 39.8 million consumers in 500 miles
- Gateway to all U.S. and North America market
- Easy access to Mexico, Caribbean, and Latin America

Pro-Business Environment

- Low taxes & low government regulation
- Low cost environment
- Excellent labor environment

Strong Infrastructure

- World class airport system
- Extensive railway access and efficient road and highway system
- Well developed sea port



