



108th Annual Conference

Saipan, Northern Mariana Islands — September 25 to 28, 2022

www.pacificportsconference.com



Supply Chain

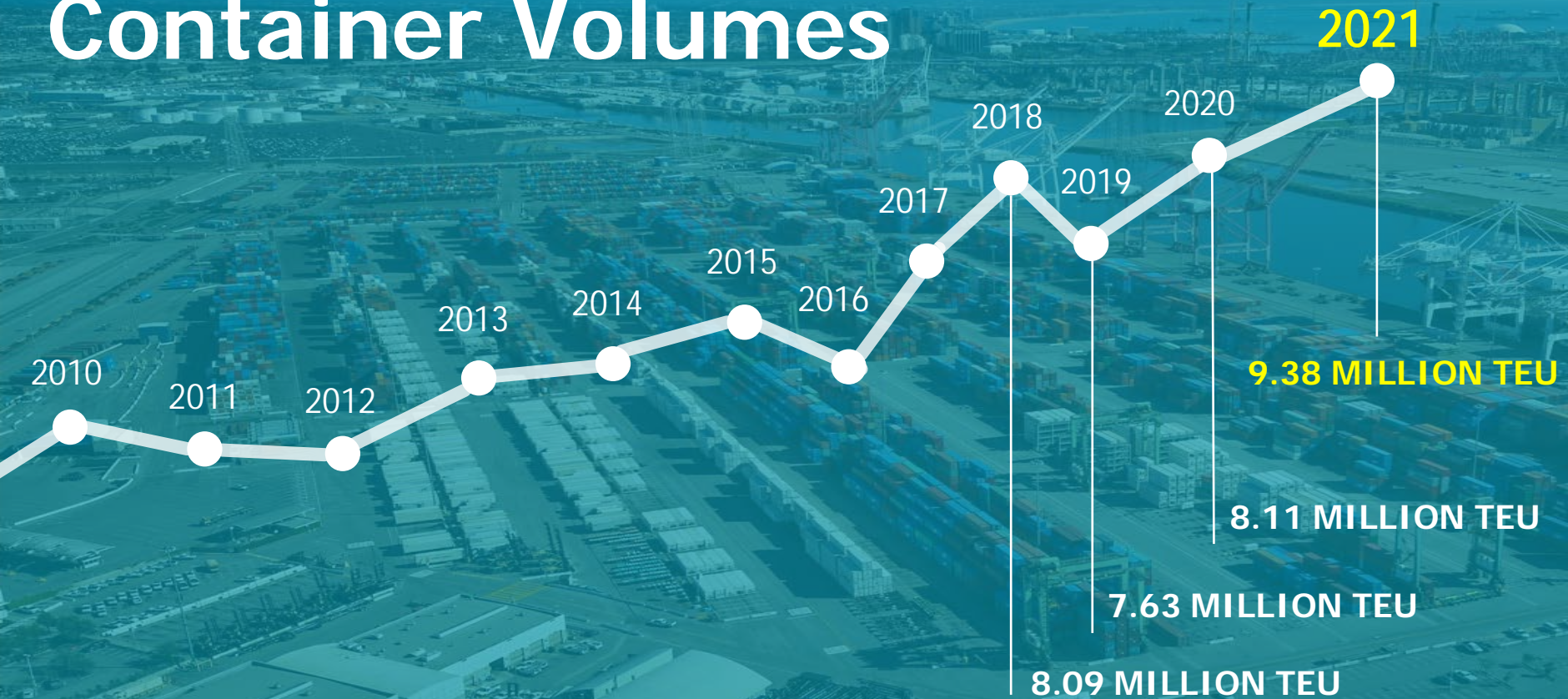
INFORMATION HIGHWAY



Port of **LONG BEACH**
THE PORT OF CHOICE

Dr. Noel Hacegaba, Deputy Executive Director

Container Volumes



GLOBAL PORT TRACKER

2021 Retail Imports to Show Record Growth Despite Pandemic

For immediate release
December 8, 2021

press@nrf.com
(855) NRF-PRESS

J. Craig Shearman

**"This has been an
unprecedented year."**

NRF Vice President Jonathan Gold

WASHINGTON - Imports at the nation's major retail container ports are expected to end 2021 with both the largest volume and fastest growth on record despite supply chain disruptions brought on by the COVID-19 pandemic, according to the monthly [Global Port Tracker](#) report released today by the National Retail Federation and Hackett Associates.

Business
Shipping

Ships Keep Coming, Pushing U.S. Port Logjam and Waits to Records

- Vessels anchored for more than two weeks to offload cargo
- Stuck supply chains pose economic headwinds, political risks





CMA CGM

CMA CGM

MAERSK

CMA CGM

MAERSK
SEALAND

MAERSK

MAERSK

HAMBURG SÜD

MAERSK

RSK

Ned loyd

AFRSK

HAMBURG SÜD

Less Than 1% of Inland Empire Warehouse Space Is Free

The pandemic and global supply chain disruptions have seriously accelerated demand for space

BY GREG CORNFIELD OCTOBER 12, 2021 12:30 PM

[REPRINTS](#)



Chassis shortages



STOR at Pier S



Footprint: 100 acres

Capacity: 1 million TEU / year

Pier T Terminal Begins Pilot Program for 24-Hour Cargo Pickup

TTI adds flexibility, overnight hours to reduce time containers spend at terminal

Sept. 21, 2021

Total Terminals International container terminal on Pier T in the Port of Long Beach is making it easier for trucks to access the facility during the overnight hours in a new pilot program to widen access and speed deliveries amid the ongoing cargo surge.

The pilot program at the Port's largest terminal focuses on the effort to reduce "dwell" – the amount of time cargo



Long Dwell Container Fee

October 2021 – Ports announced Long Dwell Container fee

- Aimed at inbound containers dwelling 9+ days on terminal
- Up to 50% of containers on terminal were considered high dwell
- Since the announcement, significant progress has been achieved



Search

OPERATIONS DASHBOARD

WEEKLY OCEAN CARRIER SERVICES

CONTAINER VESSELS AT BERTH

CONTAINERIZED TENANTS ▼

DRY BULK TENANTS ▼

LIQUID BULK TENANTS ▼

BREAK BULK & RORO TENANTS ▼

OVERWEIGHT / OVERSIZE CARGO ▼

SUPPLY CHAIN INFORMATION
HIGHWAY

DEMURRAGE CALENDAR

PORT TARIFF

OPERATIONS DASHBOARD



WAVE

Weekly Advance Volume Estimate



Port of
LONG BEACH
THE PORT OF CHOICE

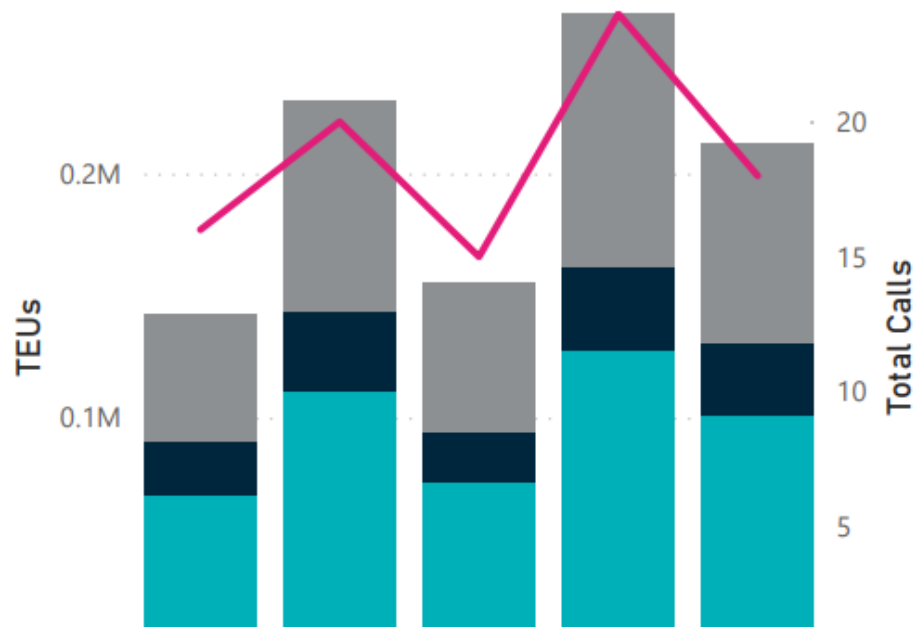
PROJECTED WEEKLY VOLUME (TEUS)

Week	Date	Import Loaded	Export Loaded	Empties
33	08/07/2022	68,612	21,589	52,097
34	08/14/2022	110,943	32,439	86,125
35	08/21/2022	73,666	20,730	61,205
36	08/28/2022	127,501	33,889	104,066
37	09/04/2022	101,043	29,339	81,775

PROJECTED VESSEL CALLS

Week	Date	Blank Sailings	Extra Loaders	Planned Calls
33	08/07/2022	1	0	17
34	08/14/2022	1	1	20
35	08/21/2022	1	0	16
36	08/28/2022	1	0	25

● Import Loaded ● Export Loaded ● Empties ● Total Calls



VESSEL SCHEDULE

- Scheduled Port Calls

TERMINAL: EDI 322

- Load / Unload Ship
- Load / Unload Rail

TERMINAL: EDI 322

- In-Gate / Out-Gate

PILOT SCHEDULE

- Scheduled Berthing Events

OCEAN EDI 315

- Vessel Arrival / Departure
- Vessel Load / Unload

CUSTOMS: EDI 309

- Discharge

TERMINAL: EDI 418

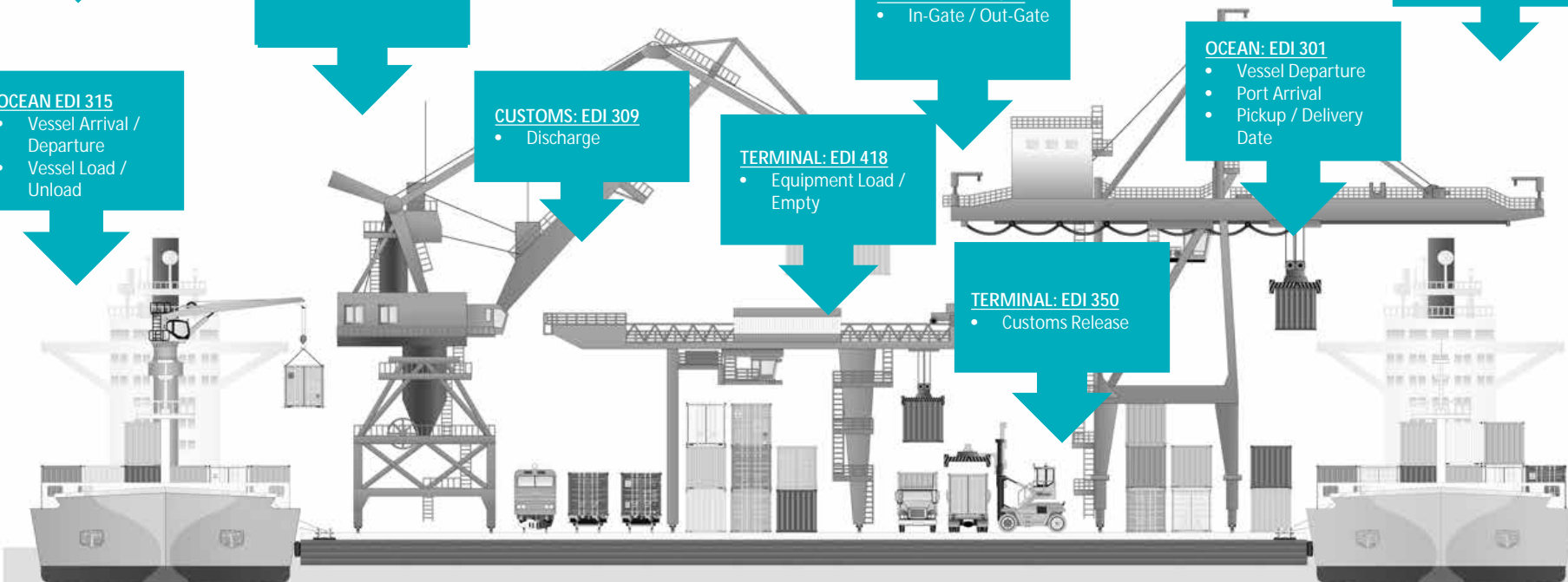
- Equipment Load / Empty

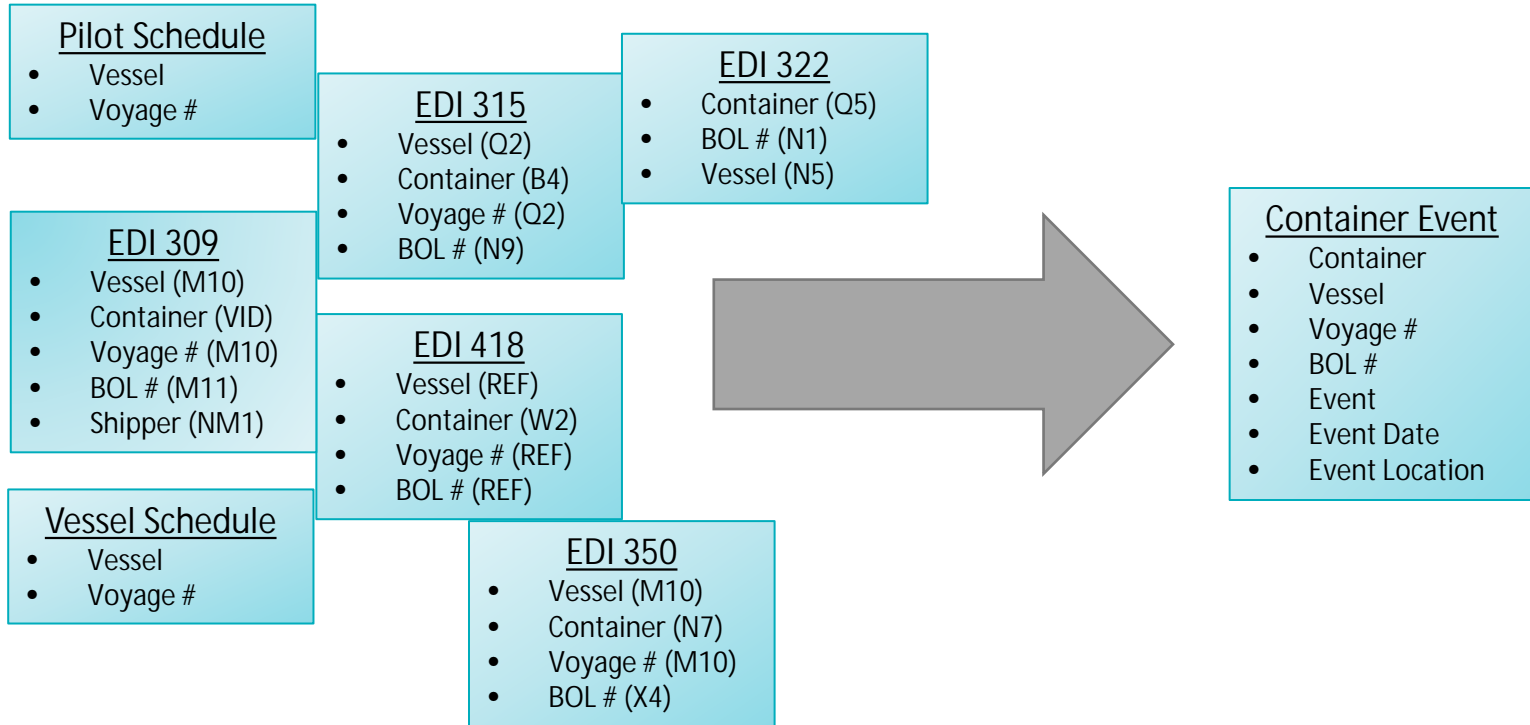
OCEAN: EDI 301

- Vessel Departure
- Port Arrival
- Pickup / Delivery Date

TERMINAL: EDI 350

- Customs Release





Introducing the Supply Chain Information Highway

- A **data sharing environment** for authorized supply chain partners to access data that will **increase cargo visibility and delivery**
 - Liberation of data within the transportation system that supports the Port of Long Beach
 - Focused on organizations responsible for the movement of containers

Supply Chain 
**INFORMATION
HIGHWAY**

 Port of
LONG BEACH
THE PORT OF CHOICE



Examples of Use

- As a data source for a transportation provider's planning, scheduling, or optimizer
- To help get information, such as last event location / time for a specific container that can be ingested into your ERP system to increase / decrease lead time calculations
- For a freight forwarder to gain insight into the last location of a container
- For a terminal operator to see the number of containers to be unloaded from a vessel weeks away versus days
- For a warehouse pickup scheduling person to see when a container might be available for pickup at the port.

Easy Event Tracking by Container

Container: AALU123456				
322	Out-Gate	2/22/2022 10:36 GMT	Long Beach	TERMINAL
322	Loaded to Rail	2/22/2022 08:02 GMT	Long Beach	TERMINAL
350	Customs Release	2/21/2022 20:02 GMT	Long Beach	TERMINAL
322	Unload from Vessel	2/20/2022 18:53 GMT	Long Beach	TERMINAL
PILOT	Berth Schedule	2/20/2022 0800 GMT	Long Beach, T1	PILOT
315 – VA	Vessel Arrival	2/17/2022 08:00 GMT	Long Beach	OCEAN
315 – VD	Vessel Departure	2/1/2022 10:35 GMT	Hong Kong	OCEAN



Data Imports

{EDI}

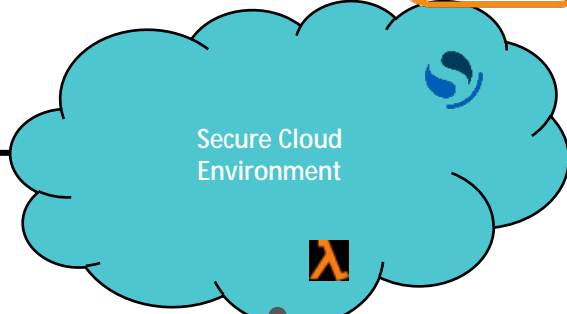


{CSV}

{TXT}



{XML}



RAW



SEARCH
{JSON}



ARCHIVE



API
Gateway

{REST}

Data
Queries



How will this help the Supply Chain?

- **Data is the most critical cog in the supply chain system.** Freeing access to data across multiple industries and consolidating it into a common format will reduce the cost of visibility and tracking.
- The data can be used by supply chain partners to **enhance their existing planning, scheduling, and optimizing systems.**
- The API will be simple enough to use that a small business partner with limited resources can reap the benefits of access.
- **POLB is offering this environment free of charge to authorized users.**

Additional Benefits

- Eliminates the need to log into multiple stakeholder websites to get POLB container visibility and status
- Reduces the amount of data sources / connectors for container event data
- The port is performing normalization across the data transactions and funneling into a single, standard format that is easily consumable – saving you time and integration costs
- The port is turning non-event data, such as Pilot Schedules, into events that help inform the status and timing of container movements

Key Takeaways

- This is not a one-size-fits-all optimizer or dashboard.
- This is a data service accessible by an API to search data on container in transit visibility
- Supply Chain partners can use the data to customize and apply data in their own way to help with planning, scheduling, reporting, and optimization.
- The Port of Long Beach is providing this free of charge to its authorized partners.
- Data sharing participants will have their proprietary data protected.

Phase 1 Results

- ~5 months
- Over **700,000** data files ingested
 - EDI 301, 309, 310, 322, 350, 404, 418
- Multiple API connections requiring custom translation
 - LBCT, OOCL, Marine Exchange (in test with Wan Hai, Jacobsen)
- **710 GB** of data collected
- **22,000,000** container event transactions
- Sub-second query results for API calls

Partner Port Authorities



PORT OF OAKLAND



PORTMIAMI



**THE NORTHWEST
SEAPORT ALLIANCE**



**SOUTH
CAROLINA
PORTS**

UI UTAH INLAND
PA PORT AUTHORITY



Port of
LONG BEACH
THE PORT OF CHOICE

THANK YOU

