THE PORT OF LOS ANGELES

JOHN BETZ

LOS ANGELES PORT PILOT SERVICE

CHAIR, LOS ANGELES LONG BEACH HARBOR SAFETY COMMITTEE

PRESENTED TO NOAA HYDROGRAPHIC SERVICE REVIEW PANEL

MARCH 5, 2024

LOS ANGELES PILOT SERVICE

- Municipal Pilot Service
- Sixteen Pilots
- Approximately 4,000 ship moves per year

THE PORT OF LOS ANGELES IS: 17TH LARGEST CONTAINER PORT IN THE WORLD (10TH WHEN COMBINED WITH LONG BEACH)

- 10.7 million TEUs handled in 2021
- 7,500 hundred acres
- 53’ main channel water depth
- 26 passenger and cargo terminals
- 86 ship to shore container cranes

TOP TRADING PARTNERS

- China/Hong King ($134 billion)
- Japan (38 Billion)
- Vietnam ($33 billion)
- Taiwan ($20 billion)
- South Korea ($16 billion)

Most-imported goods: furniture, automobile parts, apparel, plastics and footwear

Top exports: pet/animal feed, paper/wastepaper, soybeans, fabrics/raw cotton and scrap metal.

BENJAMIN FRANKLIN

1,300 feet long

177 feet wide (54m / 21 boxes)

18,000 TEU

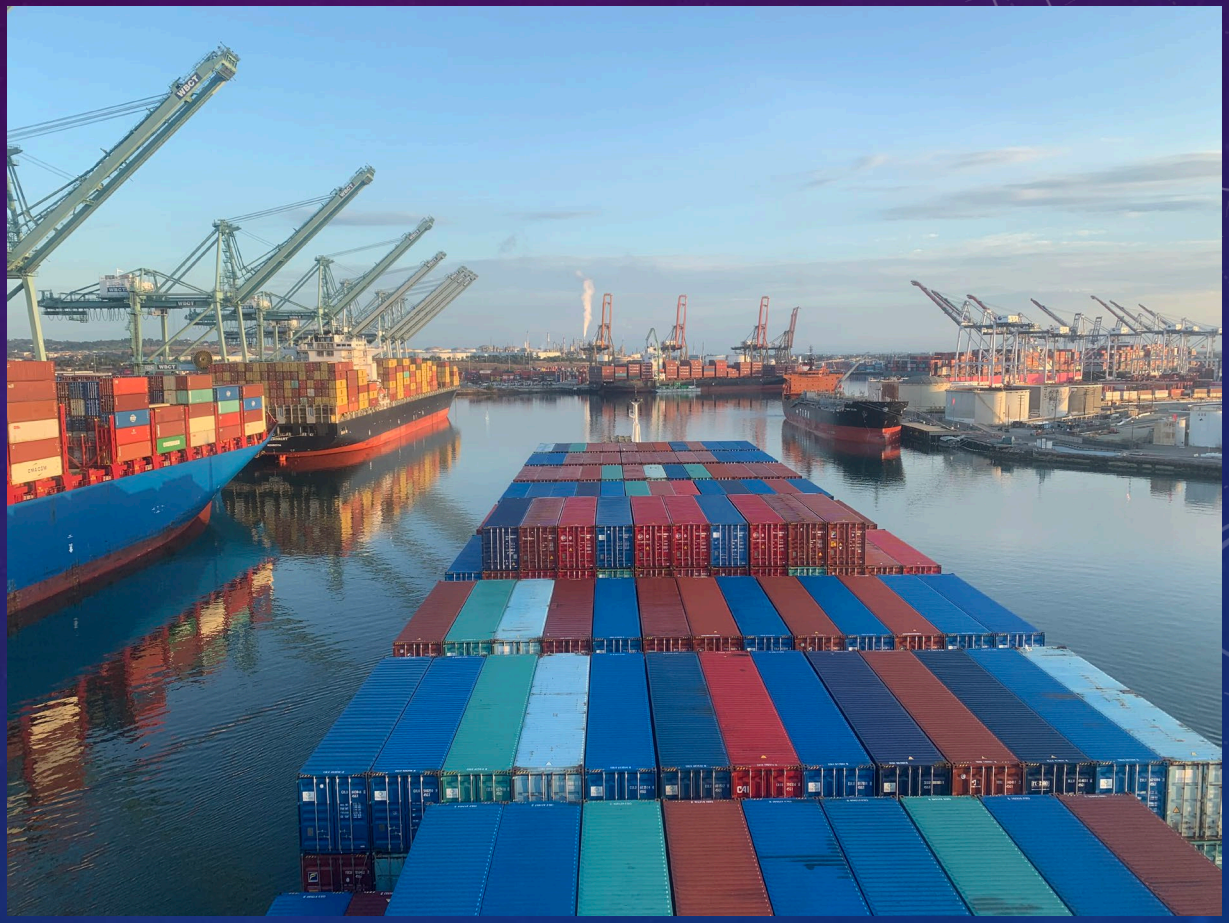
Containers stack is 10 high on deck

OBJECTIVE

BUSY

CLEAN

SAFE



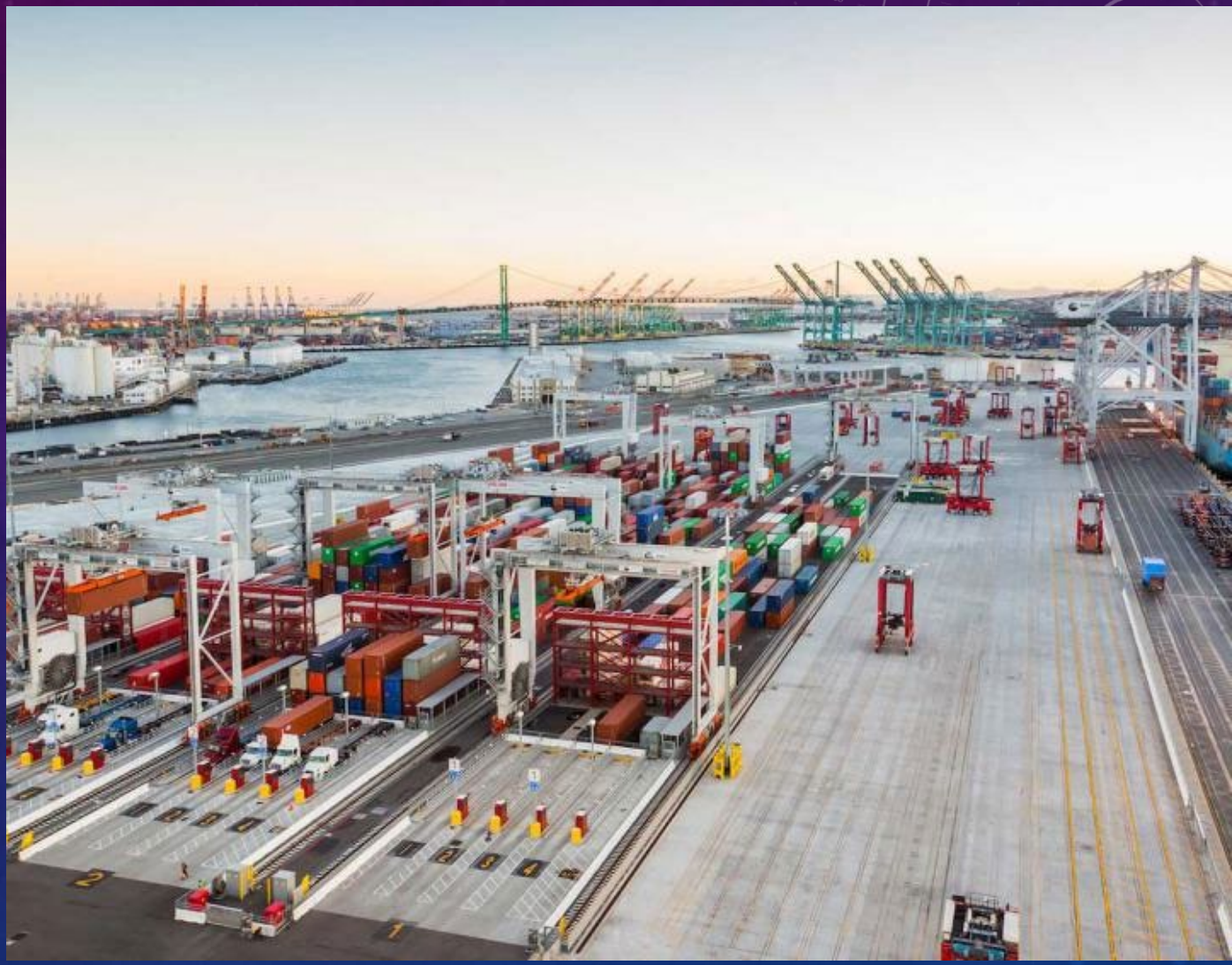
SAN PEDRO BAY PORTS CLEAN AIR ACTION PROGRAM

- Implemented in October 2002
- Installed first Alternative Maritime Power (AMP) berth in 2004 to reduce pollution from ship engines
- Currently, we are home to a growing emissions Capture and Control business

Electric Yard Automation

Trapac Terminal Berths 142-147

APM Berths 401 - 406



NAV SAFETY

Are the ships getting bigger?
or
are the channels getting smaller?

IT TAKES CONTRIBUTIONS FROM MANY STAKEHOLDERS TO ENSURE NAVIGATION SAFETY

- USCG / VTS
- Harbor Safety Committee
  - Harbor Safety Plan
  - Best Practices
  - Build stakeholder relationships
  - Forum for discussion
- NOAA
  - Accurate Real Time Wx Info
  - Accurate Electronic Charts

Angels Gate

02/20/2024 06:55:00

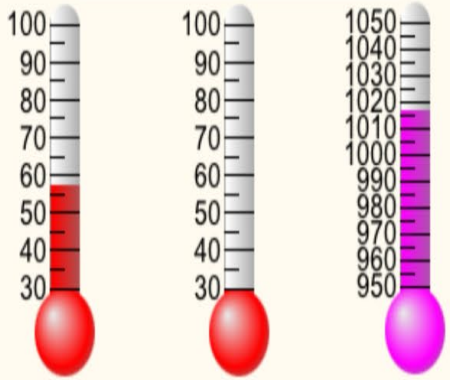
9.93 knots — Wind Speed

10.92 knots — Wind Gust

106.97 degrees — Wind Direction

Angels Gate

02/20/2024 N 6:55:00



57.52 °F — Air Temperature

NAN °F N — Water Temperature

1,016.73 mBars — Barometric Pressure

Badger Bridge

02/20/2024 06:55:00

5.26 knots — Wind Speed

6.86 knots — Wind Gust

102.19 degrees — Wind Direction

Berth 161

02/20/2024 06:55:00

Pier 400

02/20/2024 06:55:00

SBAS
HDOP: 1.0
6.5 kn
SOG
-0.7 °/min
ROT
296.4°
HDG + 0.0°
296.6°
COG
0.6 NM
No 58
No 70
Pier 111
No 59
No 60
East Channel
Pier 400
Pier 400 C
Los Angeles Channel, Main Channel
Reservation Point
Fl.4s
s Channel, Turning Basin (Outer)
MILLENNIUMMAVERICK
ROBERT FRANCO
Angels Gate
Shallow Water Habitat
Safety Contours Based on Safety: 13.0 m, Shallow: 10.0 m, Tide: 0.0 m (Manual Input). Soundings are Corrected.
50 m
50 m
Reservation Point
ETA
1700 m/296°
03:15
1 m XTD
Main Basin
ETA
3.13 NM
03:38
03:06

PORT BWTS
STBD BWTS

THANK YOU

John Betz