

SEA LEVEL RISE



PORT OF HUENEME

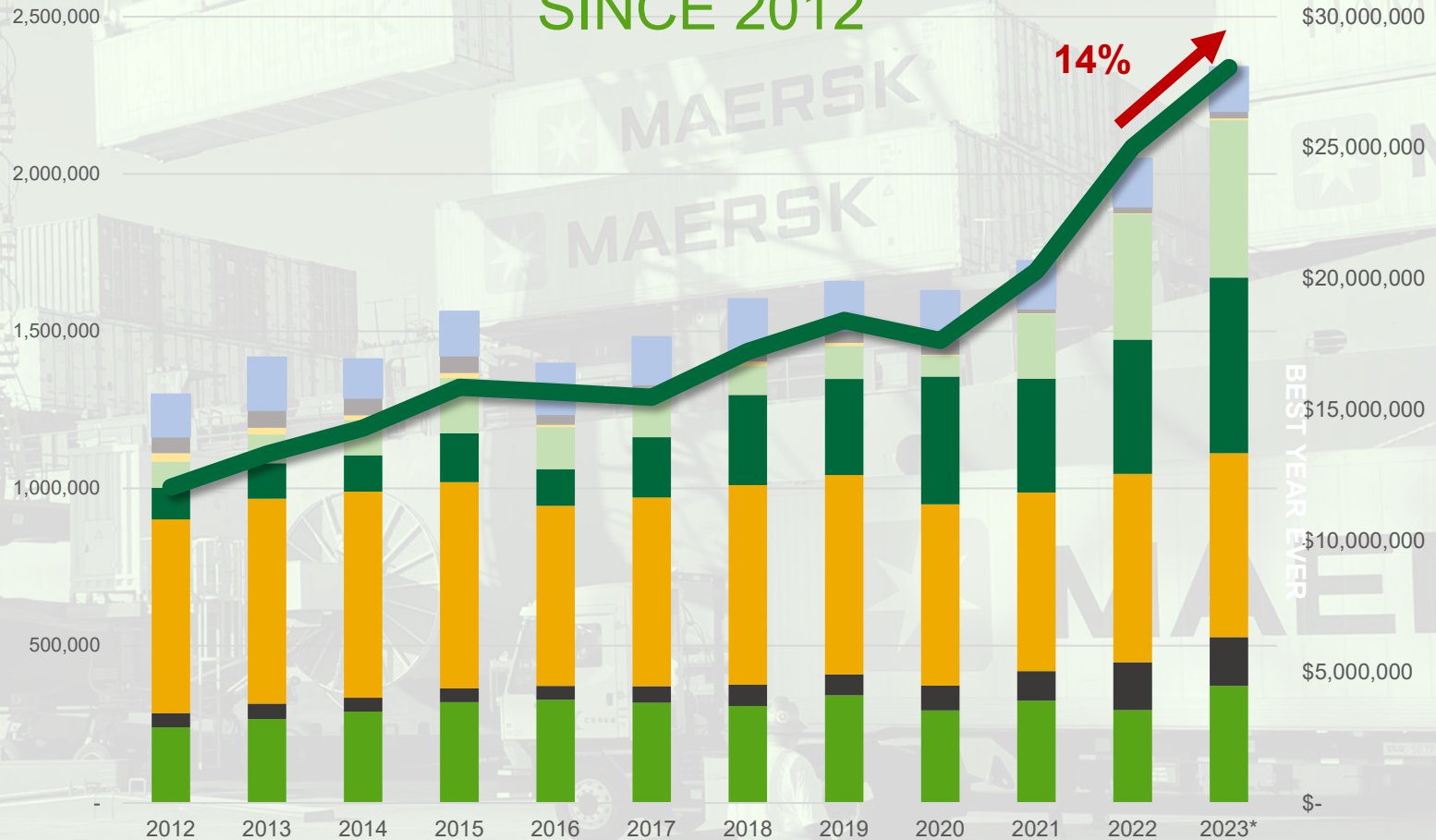
New milestones

WOW!



- \$15B BILLION IN CARGO ANNUALLY
- #1 WEST COAST BANANA PORT
- #4 CALIFORNIA CONTAINER PORT
- #6 WEST COAST CONTAINER PORT
- #16 US CONTAINER PORT
- #6 US AUTO PORT
- TOP 10% OF US PORTS FOR AUTOS AND FRESH PRODUCE

**VOLUME UP 80%
REVENUE UP 133%
SINCE 2012**



Autos H&H Banana Fruit General Cargo Fish Offshore Oil Liquid Fertilizer Revenue


*Unaudited

AN ACTIVE EV AUTO PORT

**23% AUTO
IMPORTS ARE
EV!**

The
National
average
is only
5.3%





OUT LEASE PROPERTY

**>\$90M
TO NBVC
Since 2010**

JOINT USE TERMINAL

**COMMERCIAL
TERMINAL**



CURRENT AUTOMOBILE PROCESSORS

GLOVIS USA (FTZ # 205 ACTIVE SITE)

NBVC 32nd Ave & Track 13, Port Hueneme, CA 93044

BMW (FTZ # 205 ACTIVE SITE)

5900 Arcturus Ave, Oxnard, CA 93033

WWS

5601 Edison Dr, Oxnard, CA 93033

Legend

- Existing Container Facility
- Potential Off-Dock Container Yard Development
- Existing Auto Facility
- U.S. Customs and Border Protection Bonded Facility

T&T

1689 Olive St, Ventura, CA 93001

LINEAGE LOGISTICS TFL OXNARD

908 E. 3rd St, Oxnard, CA 93030

CHIQUITA

1440 E. 3rd St, Oxnard, CA 93030

2600 CHALLENGER

2600 Challenger Pl, Oxnard, CA 93030

MISSION PRODUCE, INC.

2901 Camino Del Sol, Oxnard, CA 93030

CITY OF OXNARD

111 Del Norte, Oxnard, CA 93030

CAMARILLO AIRPORT BUSINESS PARK

555 Airport Way, Suite B,
Camarillo, CA 93010

ANACAPA FRESH LOGISTICS

771 Mountain View Ave, Oxnard, CA 93030

CHANNEL ISLANDS LOGISTICS

5655 Arcturus Ave, Oxnard, CA 93033

ANACAPA FRESH LOGISTICS

3000 E. Hueneme Rd, Oxnard, CA 93033

CONTAINER OFF-DOCK FACILITIES



ENVIRONMENT

\$60 million invested since 2012 working with many funding partners!!!



PLUG-IN CRANES

\$3.4M ARB
\$500,000 VCAPCD
\$32M CUSTOMERS

BATTERY STORAGE

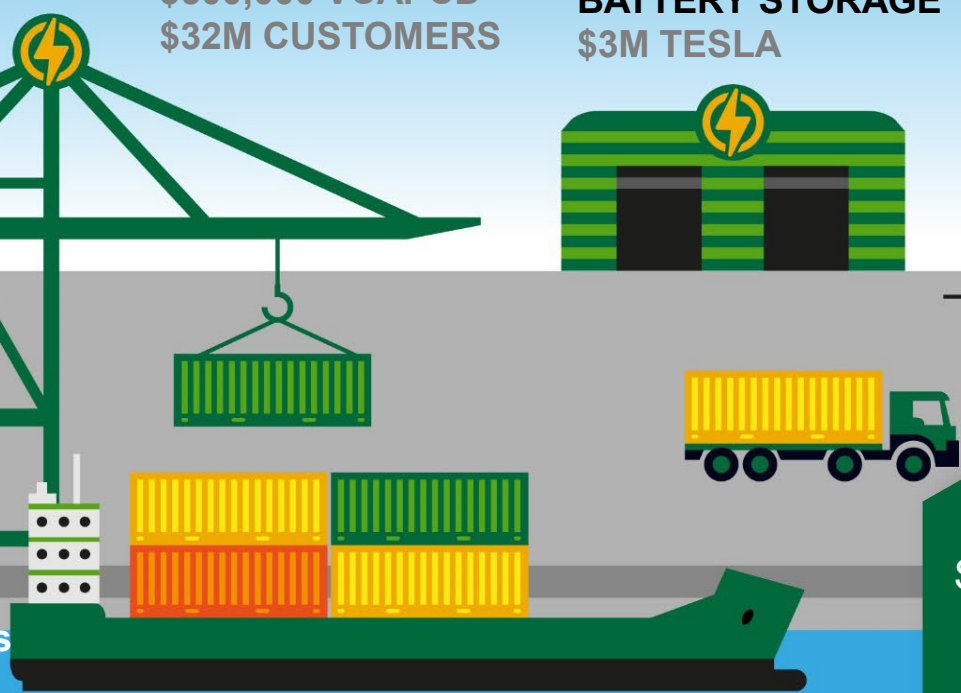
\$3M TESLA

YARD EQUIPMENT

\$1.3M ARB
\$2M CUSTOMERS
\$500,000 VCTC

SHIP PLUG-IN

\$4.5M PROP 1B
\$3M NMTC
\$1.7M VCTC
\$10.4M VCTC
\$250K VCAPCD
\$500K DERA
1.5M N.M. Tax Credits



SINCE 2012

+80%

CARGO
GROWTH

SINCE 2008

SO_x -97%
PM_{2.5} -82%
DPM -85%
NO_x -40%

OGV
EMISSIONS



LED LIGHTING

Longer lasting and more efficient than traditional lighting

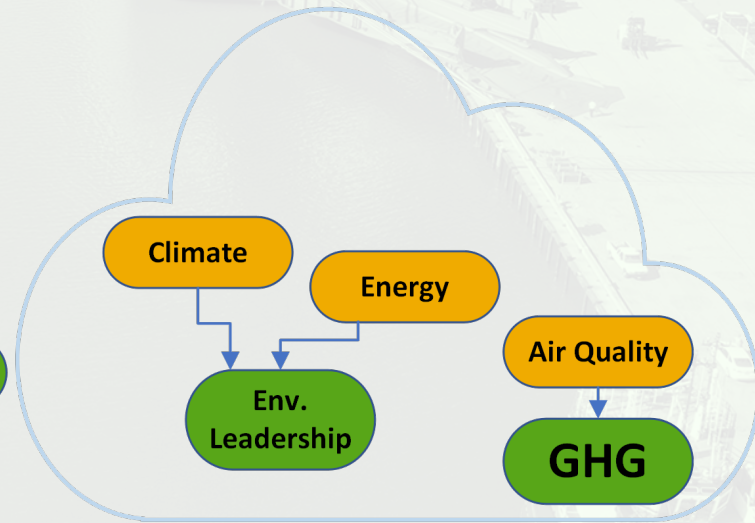
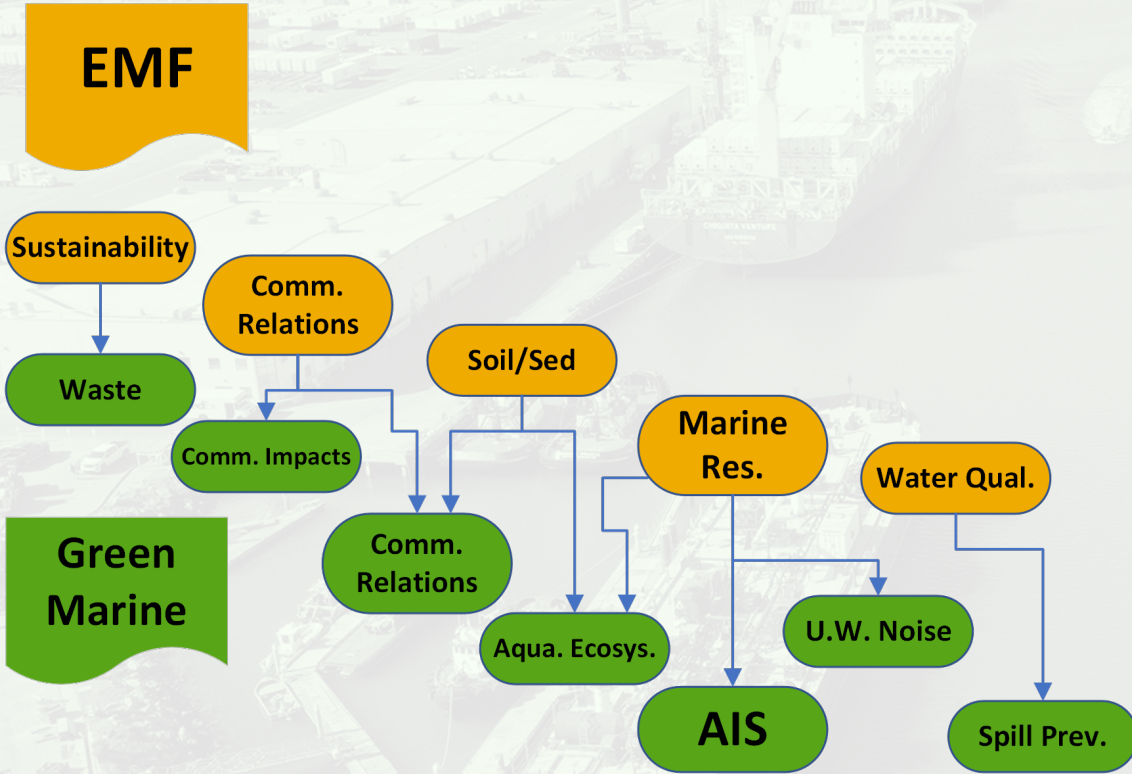


NEW ERA

Cords and plugs to power future equipment

ENVIRONMENT PILLAR

Strategic Plan – Pathway to Decarbonization



PHRESH

Port of Hueneme, Reducing Emissions, Supporting Health

ENVIRONMENT

Port Action Climate Environment Development Project



PHRESH
Port of Hueneme,
Reducing Emissions,
Supporting Health

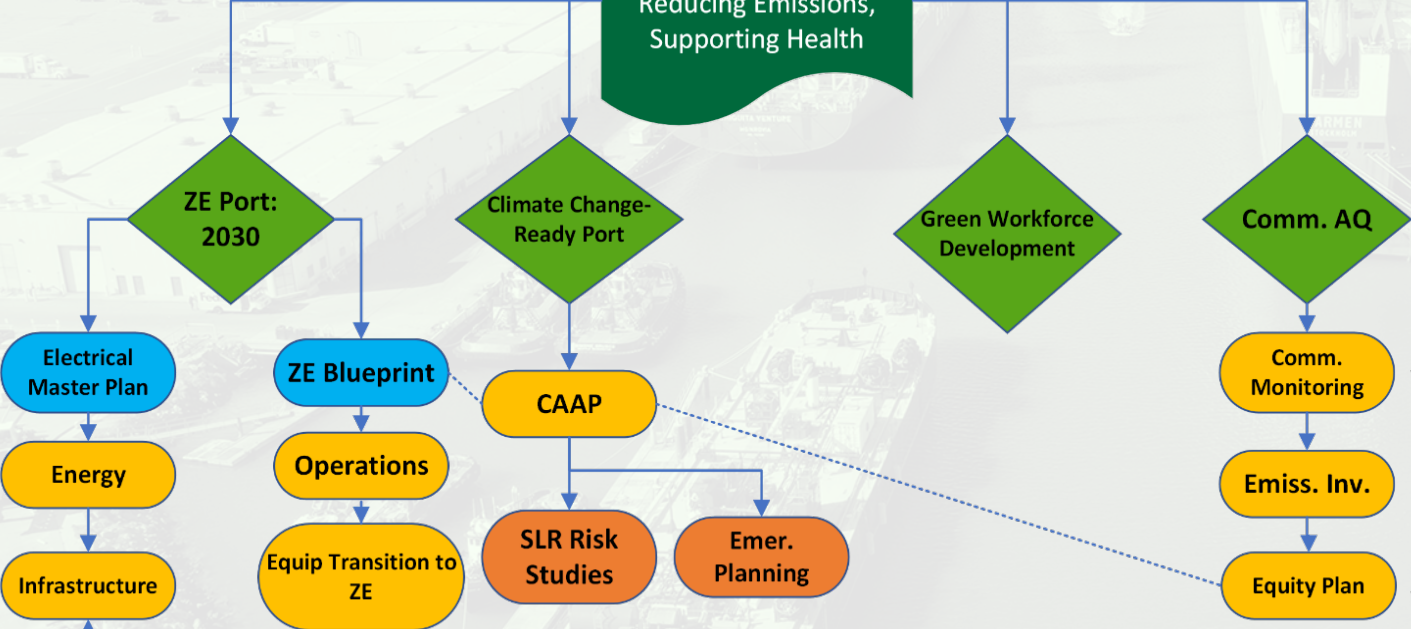
CA Governor
\$80M

VCTC - CMAQ
\$10.4M

VW - ARB
\$5M

State Earmark
\$5M

Fed Earmark
\$375K



\$105.4M to Continue the Journey to Decarbonization



Strategic Plan
Social Equity
Community & Partners



Strategic Plan
Infrastructure
Pillar

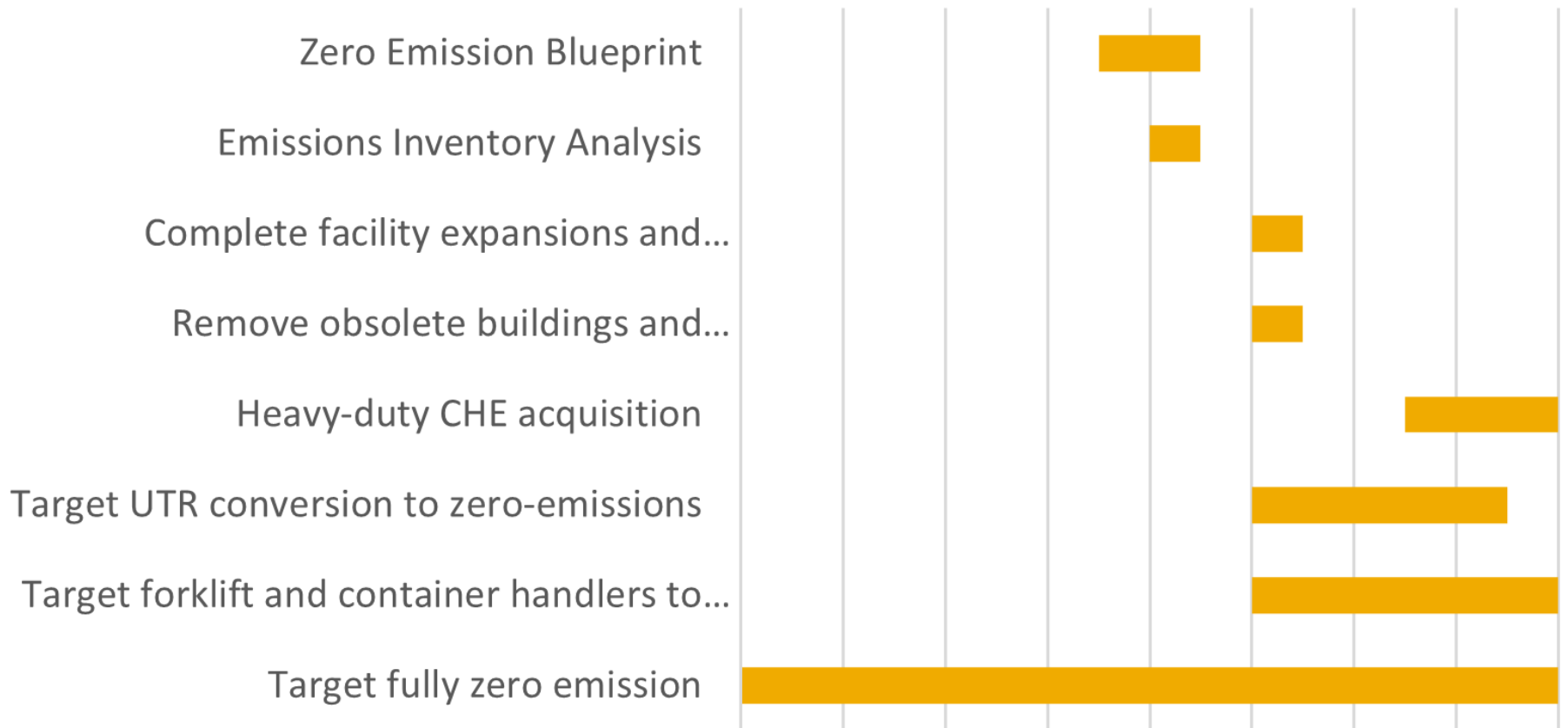


ENVIRONMENT

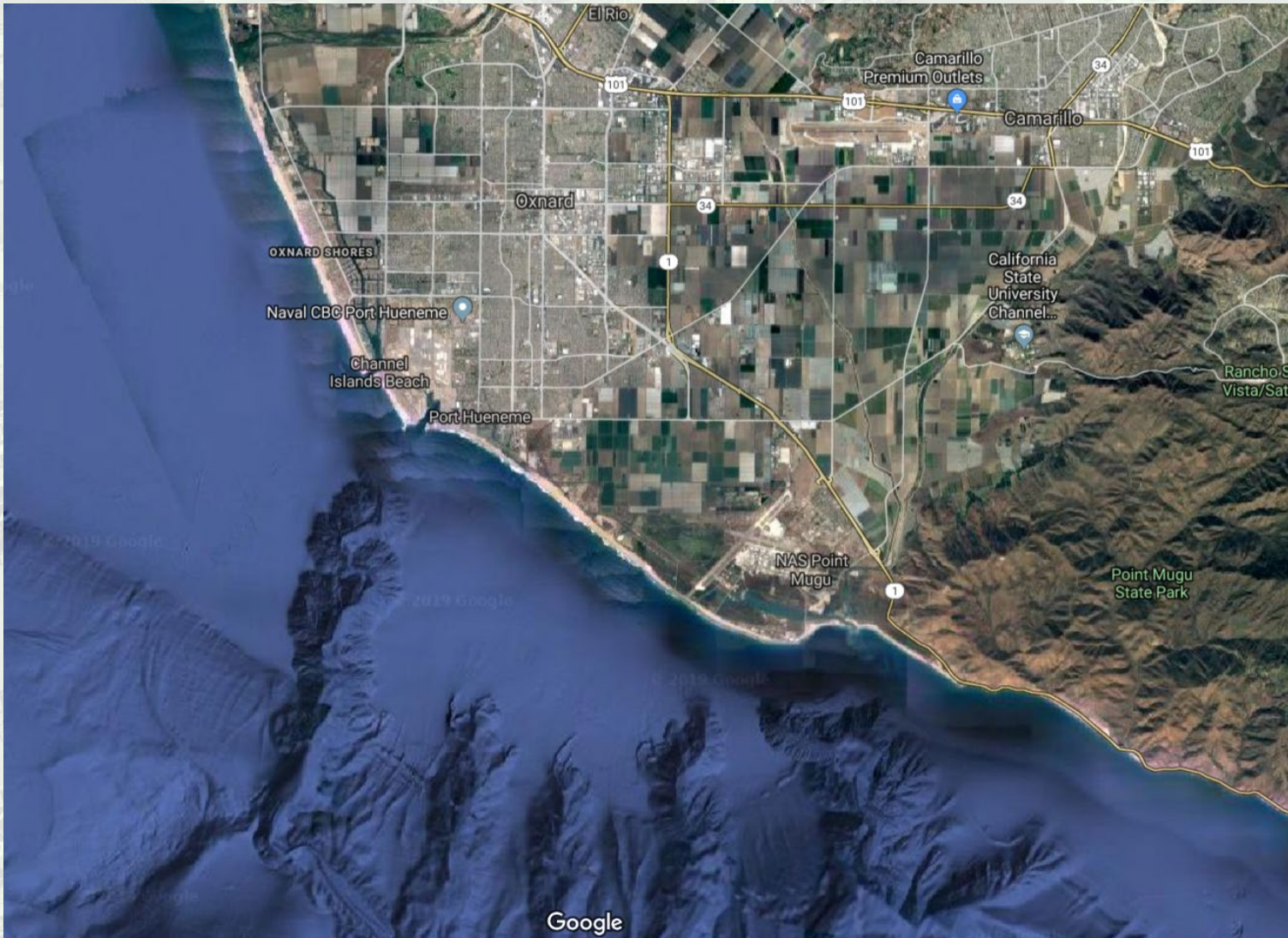
Targeted Timeline to Decarbonization for the Port Terminal

Port of Hueneme: Transition to Zero Emissions

2014 2016 2018 2020 2022 2024 2026 2028 2030



SEA LEVEL RISE ASSESSMENT



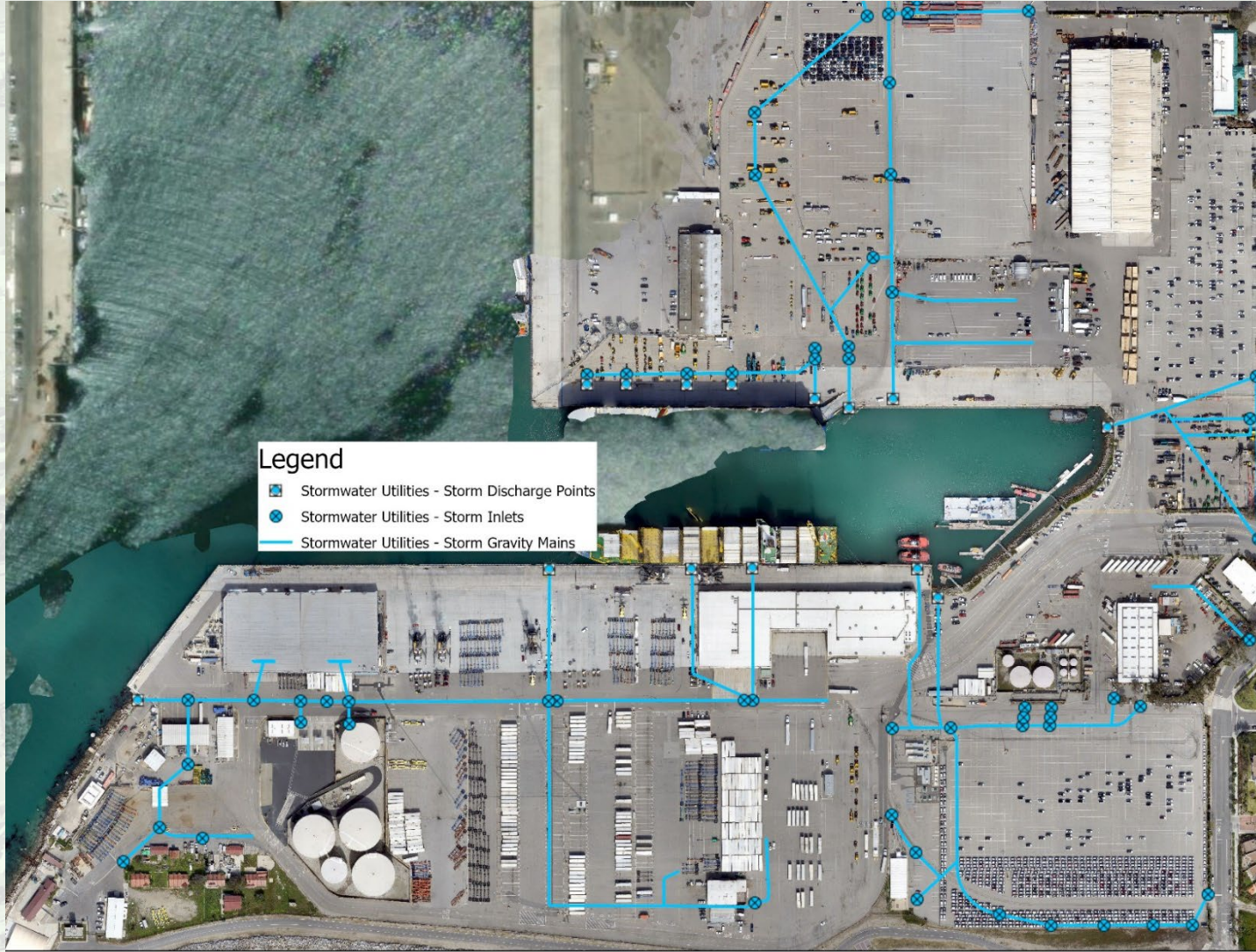
- Along Ventura County Coast Port may be more susceptible to sea level rise due to offshore submarine canyon
- So the Port needs to plan accordingly

SEA LEVEL RISE ASSESSMENT



- Port operational areas very close to the ocean.
- Inundation from large swells from the south are a potential risk.

SEA LEVEL RISE ASSESSMENT



- Map of existing surface water infrastructure.
- Port must adapt existing infrastructure according to our inundation risk which will be determined through spatial GIS modeling.

PROTECTING LOCAL COAST

Prior to 2014 beach nourishment project

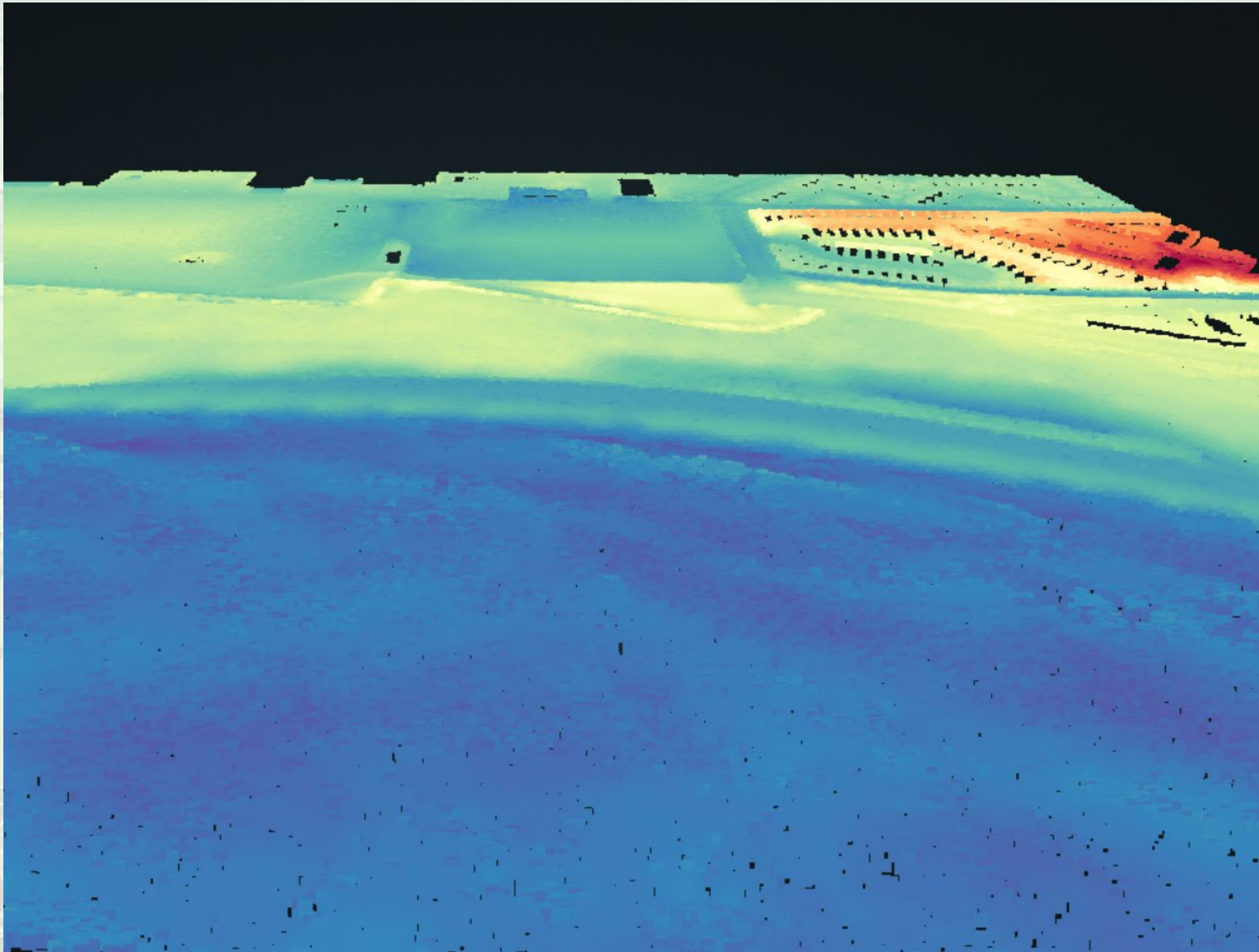


- Before and after photos of port adjacent Hueneme beach showing the critical importance of ongoing beach nourishment.



Same location,
after 2.25 million
cubic yards of sand

SEA LEVEL RISE ASSESSMENT



- Elevation model image of the Port and neighbors showing higher elevation in red and lower elevation in blue.
- Note low elevations on ports south terminal where critical infrastructure is located.

SEA LEVEL RISE ASSESSMENT



- Port will be investing heavily in new infrastructure installation in the next 10 years.
- We will need to account for SLR in planning for this infrastructure.

SLR DATA SET EXAMPLE

NOAA DATA ACCESS VIEWER IMAGERY LAND COVER ELEVATION HELP

Search By Address, Lat/Lon or Extent

← Return to Results

2016 USGS Lidar: West Coast El Nino (WA, OR, CA)

U.S. Army Corps of Engineers, National Oceanic and Atmospheric Administration, U.S. Geological Survey, NOAA Office for Coastal Management
491,408,807 Pts

Add to Cart

0 in cart

Also available as a bulk download.

Attributes

Note:

Vertical Accuracy (cm): 5.8 - Tested to meet vertical root mean square error (RMSEz)
Horizontal Accuracy (cm): 21.1 - Data tested to meet accuracy

Data classes available: Unclassified,Ground,Low Point (noise),Water,Ignored Ground (near breakline),Bridge Deck,High Noise,Flown Outside of Low Tide Window,Temporal Ground

Tide controlled: Yes

Related Links

Metadata
Image Service

Streets Satellite 2000 ft

-119.7470 34.1743

NOAA Data set

PHRESH - CAAP

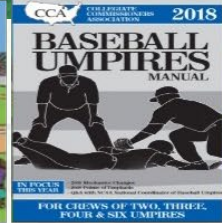
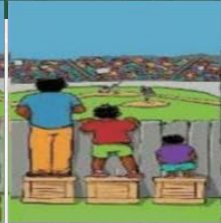
Climate Action Adaptation Planning

- GIS Spatial model of port to show sea level rise risk, inundation scenarios
 - To inform the CAAP
- CAAP will demonstrate contributions and adaptations to climate change.
 - Contributions: CAAP will communicate with the Port's Zero Emissions Blueprint, and infrastructure planning for PFIP.
 - Adaptations will be informed by SLR risk assessment, for emergency preparedness and infrastructure planning.
- Equity Plan will be a framework to establish and maintain diversity, equity, and inclusion across all areas of port operations and interactions with the surrounding community.
 - This plan will bring a committee of diverse stakeholders and examine and explore practices and policies to influence the future port.



DECARB COMMUNITY BENEFITS

Clean air & green jobs, we all win!



REALITY

EQUALITY

EQUITY

LIBERATION

**SELF
DETERMINATION**

POWER

Build Local
Workforce

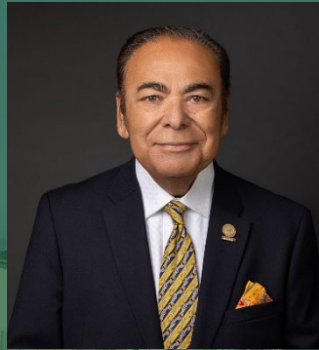
Environmental
Justice

Social Justice

Support
Disadvantaged
Communities



THANK YOU



PRESIDENT
JESS J. HERRERA



VICE PRESIDENT
CELINA L. ZACARIAS



SECRETARY
JESS J. RAMIREZ



COMMISSIONER
JASON T. HODGE



COMMISSIONER
MARY ANNE ROONEY

Port of Hueneme Commissioners Committed to Decarbonization