

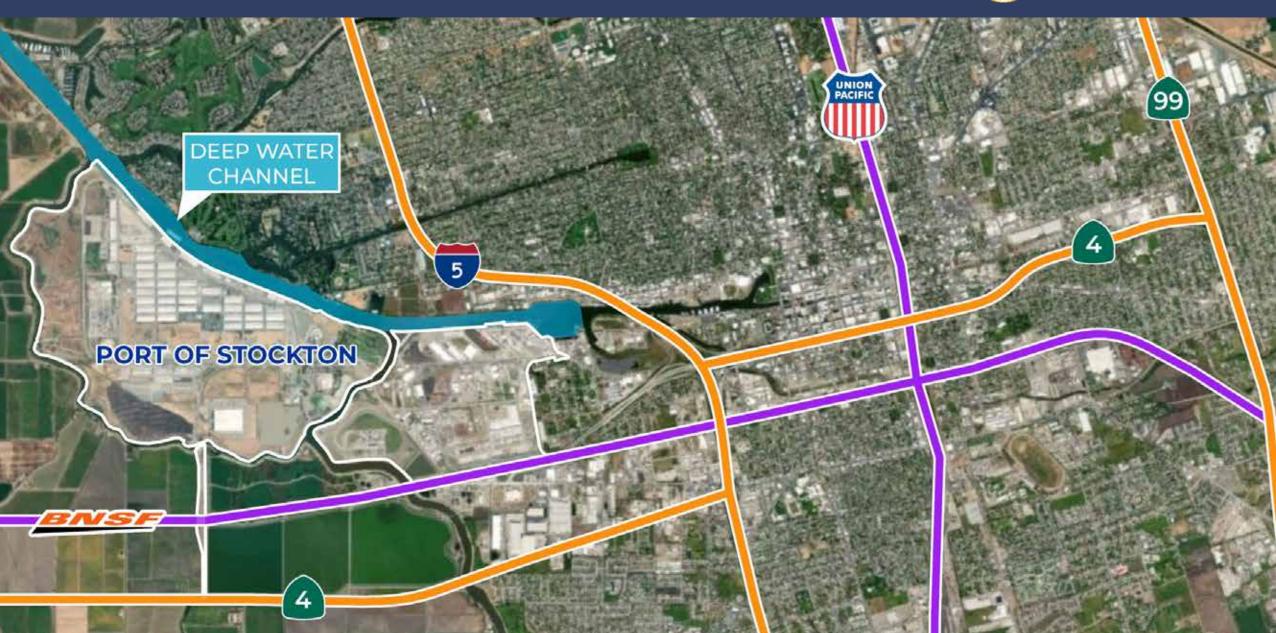


Highlights

- Port Overview
- Environmental Setting
- Stockton Soda Bump
- ZANZEFF Opportunity
- Port Outreach Committee
- Clean Air Plan
- Collaboration
- Results









PROPERTY

NEARLY 4,000 TOTAL ACRES

(1620 HECTARES)

OF PROPERTY ALONG THE DEEPWATER CHANNEL

STORAGE

Over 7 MILLION SQUARE FEET



DOCK

12,000+ LINEAR FEET

(3,600 METERS) OF DOCK



RAILROAD

OVER 75 MILES

(120 KILOMETERS) OF RAILROAD TRACK





10,077 JOBS

Supported by Port activity

\$1.6 BILLION

Of total impacts plus related impacts supported in the region

\$77.7 MILLION

State and local taxes

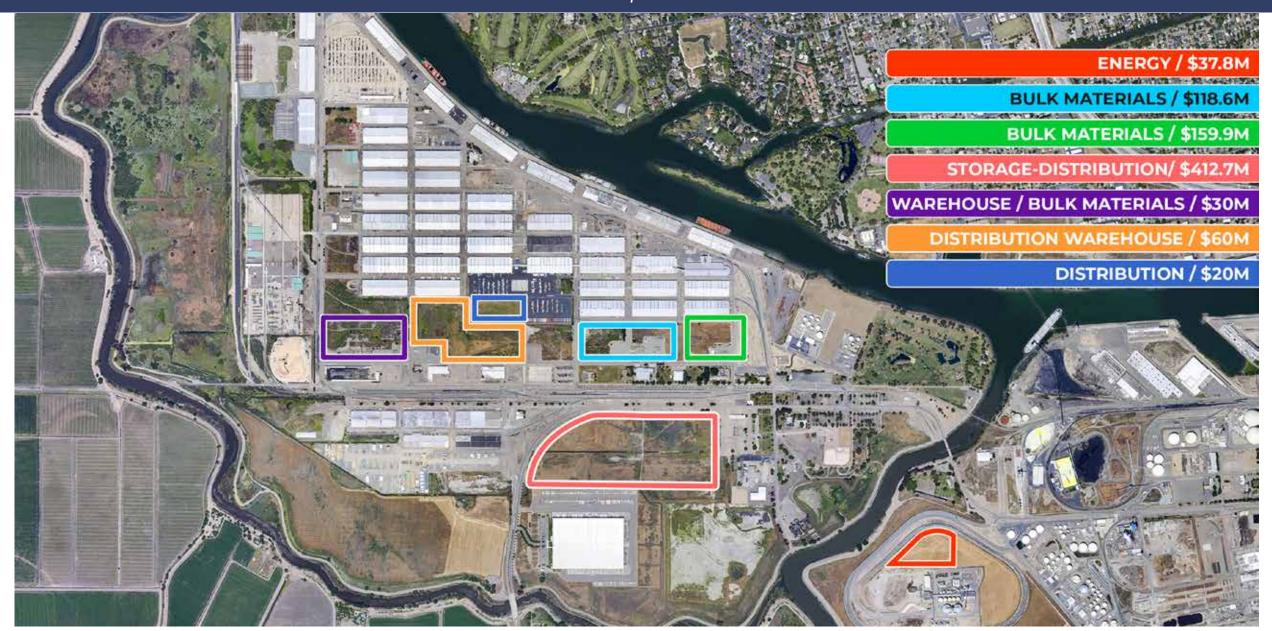
\$630.1 MILLION

Total personal income/ local consumption

Approved Projects

Value of Projects \$2.43 Billion 2,318 Jobs





Proposed Projects

Value of Projects \$839 Million 667 Jobs





2022 Imports



TOP 5 SHIPPING IMPORTS – METRIC TONS

BULK CEMENT 1,261,064

LIQUID FERTILIZER 405,263

STEEL 267,764

FOOD GRADE OILS 221,459

BAGGED FEED 213,578

2022 Exports



TOP 5 SHIPPING EXPORTS – METRIC TONS

DRY BULK 393,562

BULK SAND 289,207

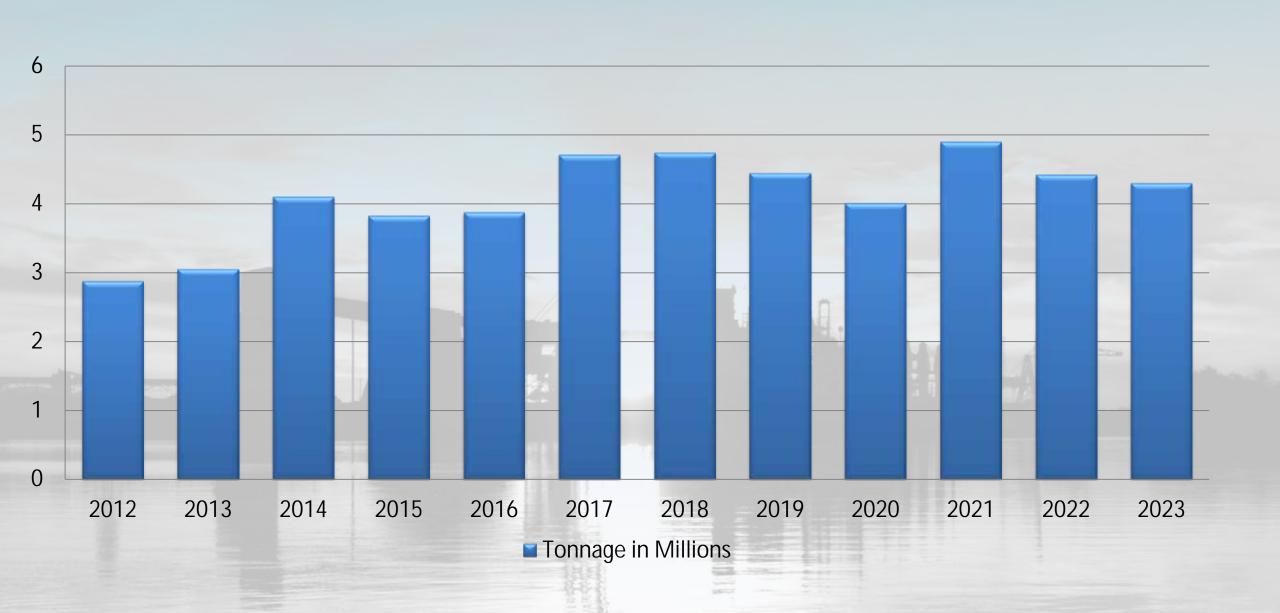
BULK SULFUR 133,332

BAGGED RICE 62,710

RENEWABLE FEEDSTOCK 14,524

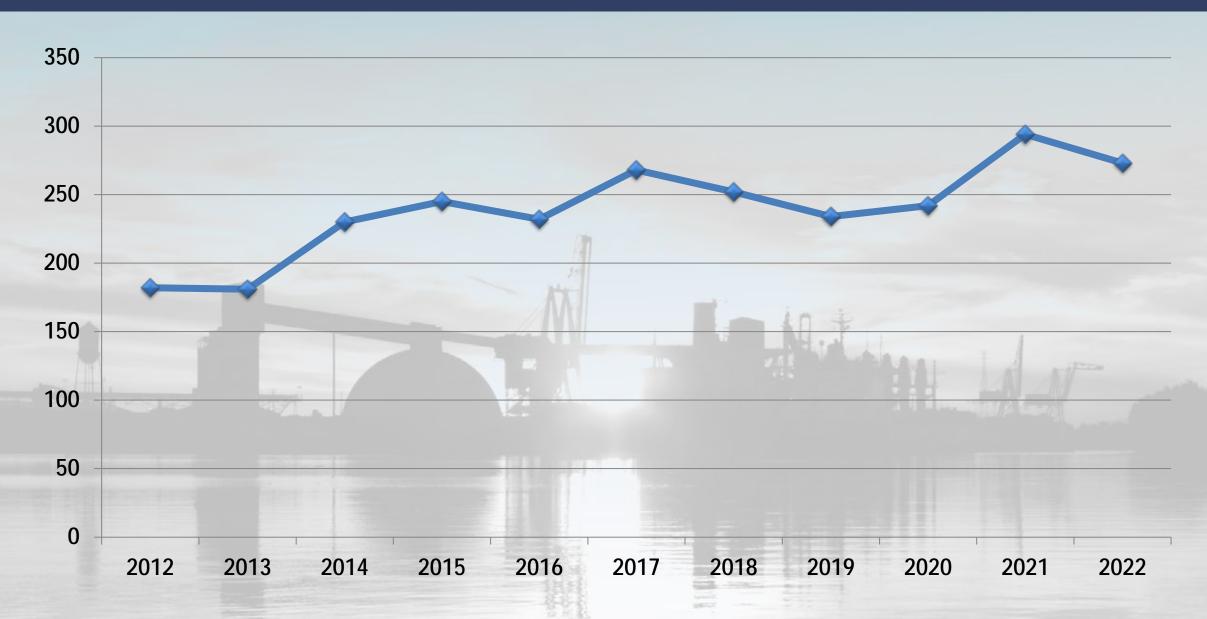
Waterborne Tonnage 2012-2023



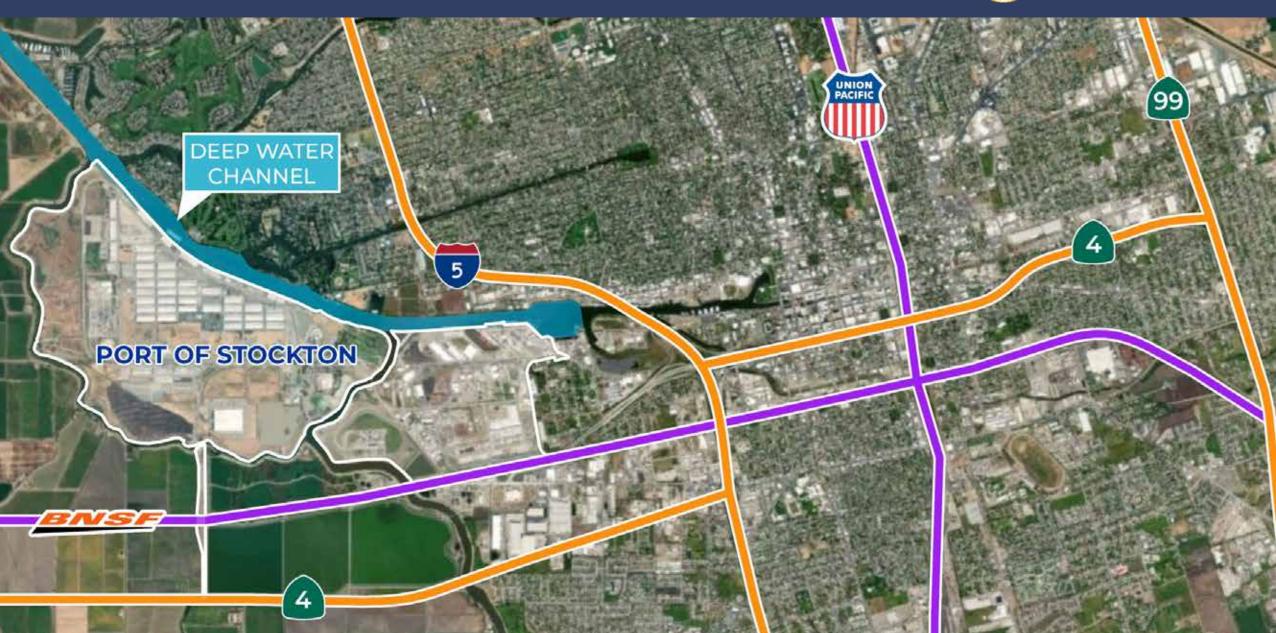


Ship Calls 2012-2022



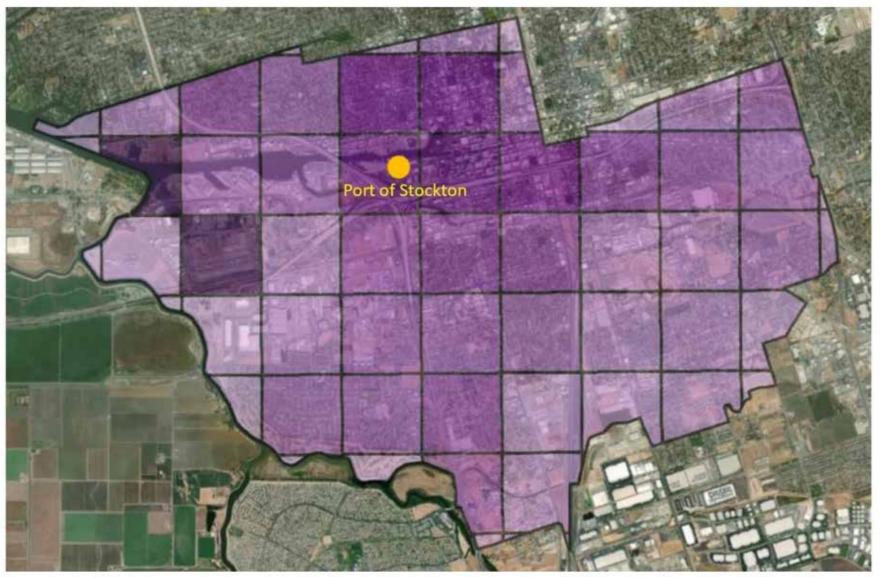






Concentrations of Area-Wide Emissions within the Stockton Community

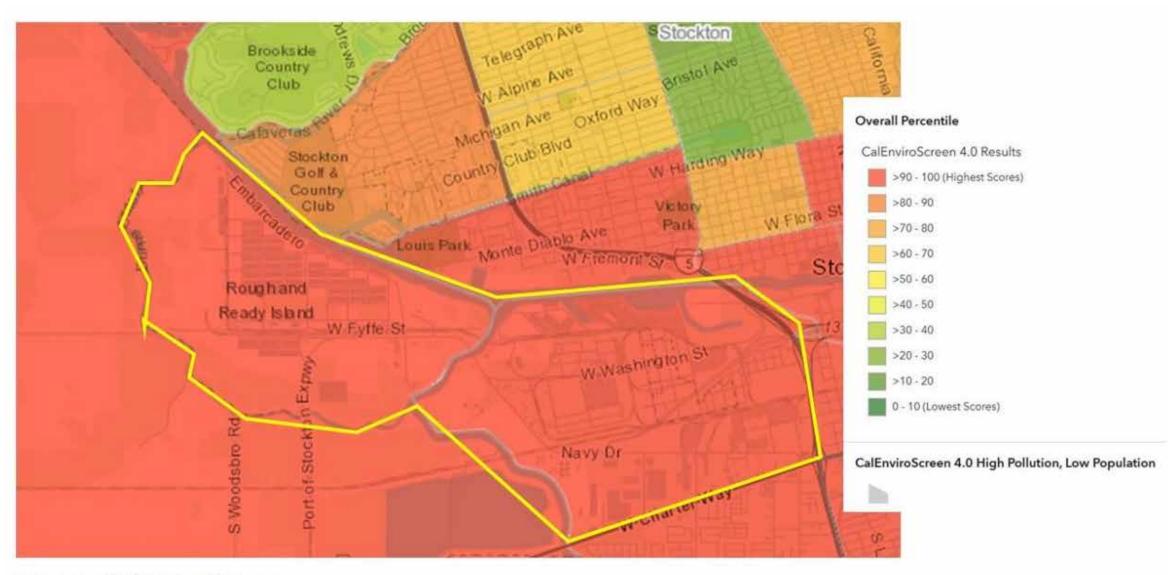




Source: Stockton Community Emissions Reduction Program, San Joaquin Valley Air Pollution Control District

Disadvantaged Communities Surrounding the Port of Stockton





Source: CalEnviroScreen

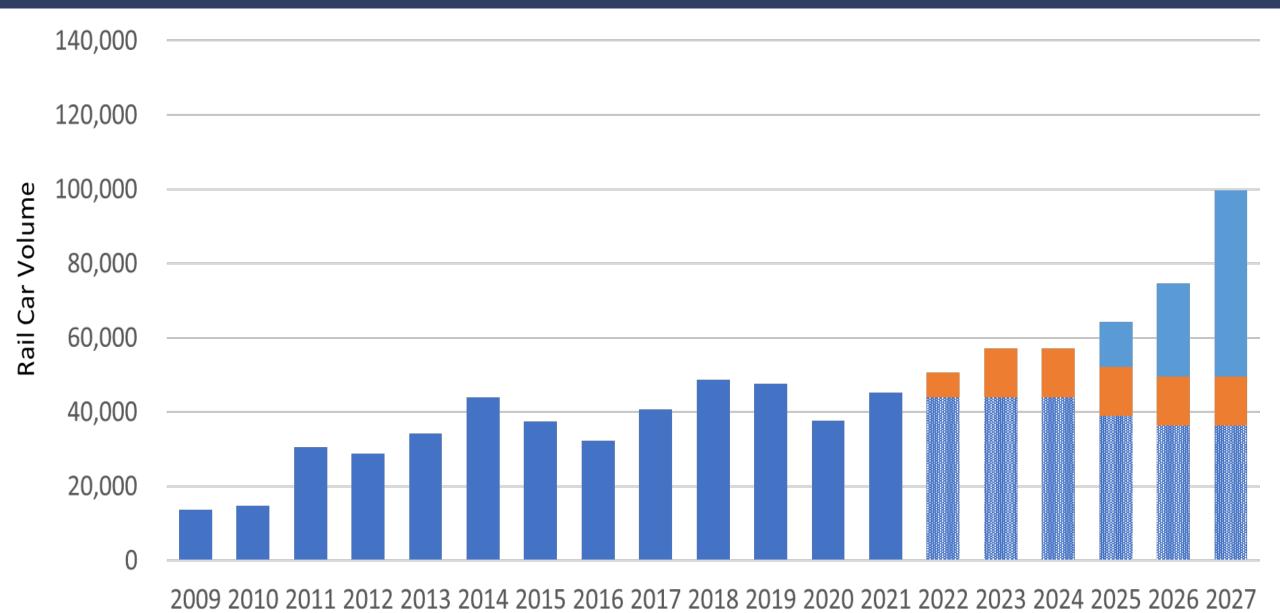
Location of Boggs Tract Neighborhood





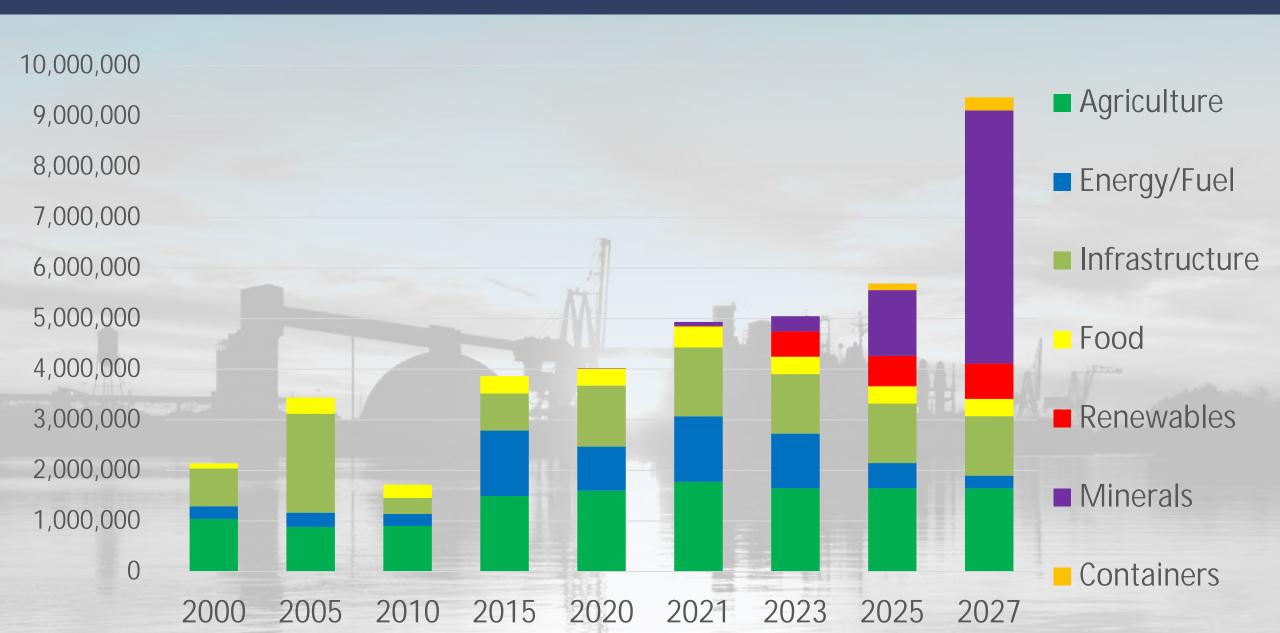
Stockton Soda





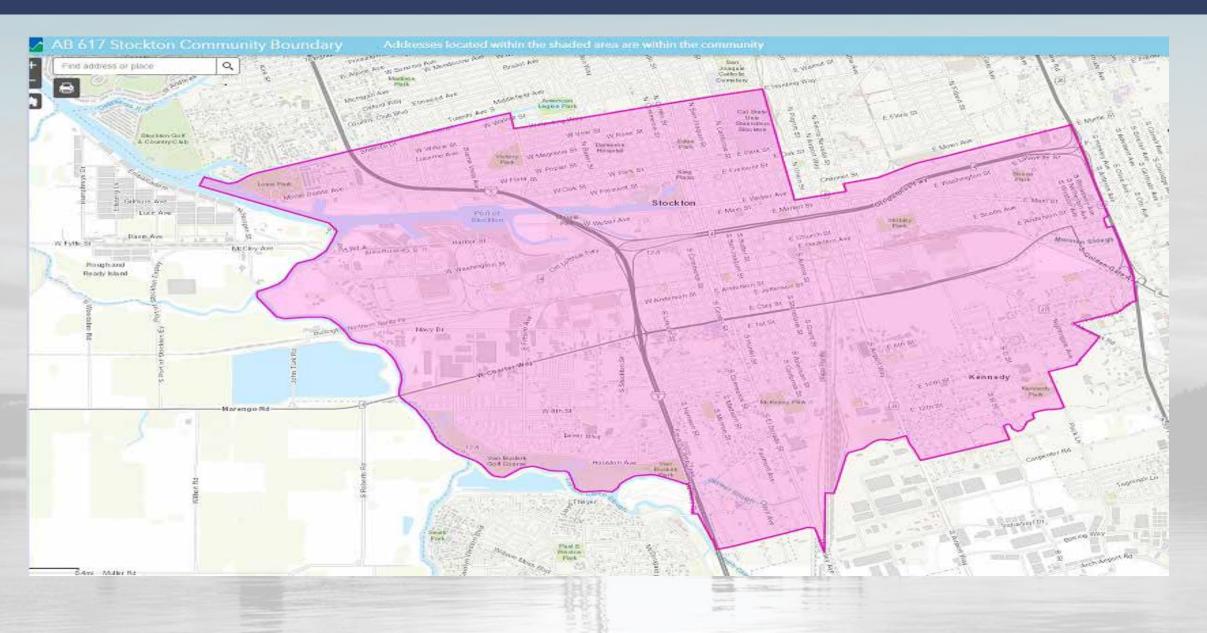
Projected Tonnage and Commodities





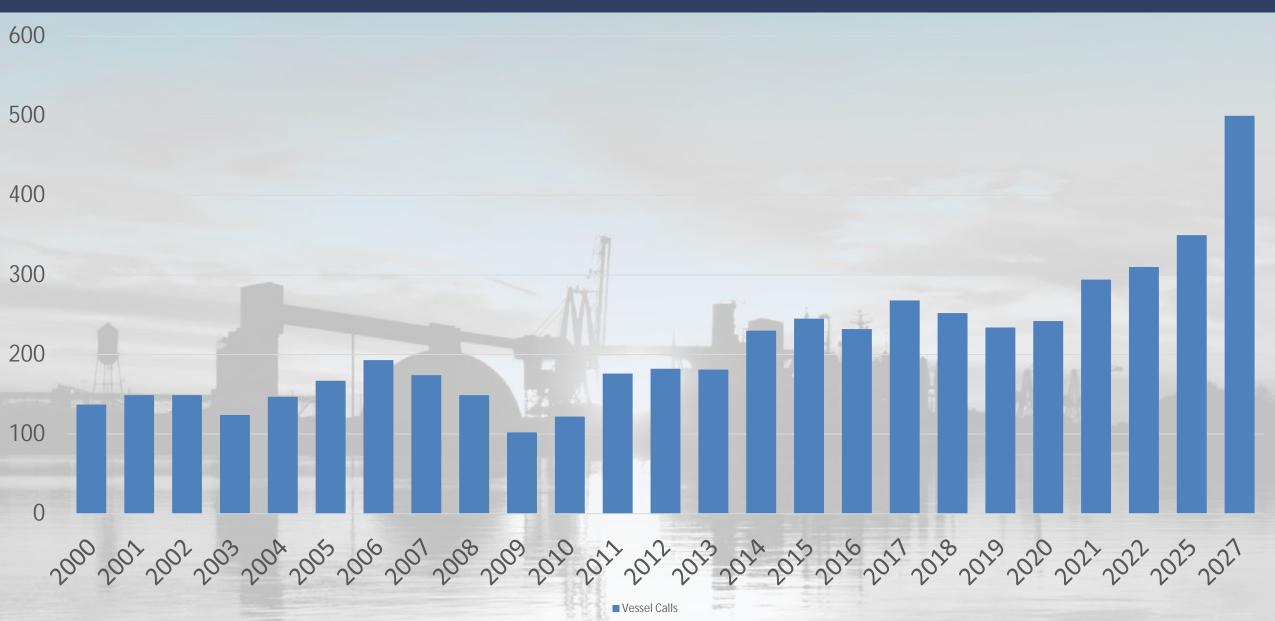
Annual Rail Car Volume | Historical and Projected





2000-2027 Vessel Calls





Infrastructure Improvements



FCO ENERGY / \$41 6M



Port Outreach Committee Meetings





Port Outreach Committee Meeting | August 16, 2013









- Committee established in 2021 in response to AB-617
- Meetings held monthly
- Attendees: environmental justice groups, port tenants, local residents, regulatory agencies

Partnership with Local School









- Back to school drives
- Sponsor 8th grade trips/dances
- Class presentations
- Traffic rerouting
- Soccer nets

Workforce Development



Port of Stockton Tenant Jobs Board

- Developed an online platform
- Over 100 businesses operating at the port can post open positions on the Jobs Board
- Community members can apply for local jobs located at the port
- If a tenant hires someone from the AB-617 community, they will receive a \$1,000 rent credit







Workforce Development



- Partnerships with local school districts, colleges, and educational organizations
- Working to identify workforce development opportunities for students









Delta Waterway Clean-up Events





















Green Marine Certification





- Leading environmental certification program for maritime industry
- Certified in 2018, 2019, 2020, 2021, 2022, 2023
- Targets key environmental issues related to air, water, soil quality, and community relations
- Tenants have also joined

Beneficial Dredge Material Reuse



Antioch Sand Dunes

- Evening Primrose
- Lange's Metalmark Butterfly









Beneficial Dredge Material Reuse



Fyffe Grade Separation





Zero Emissions Equipment

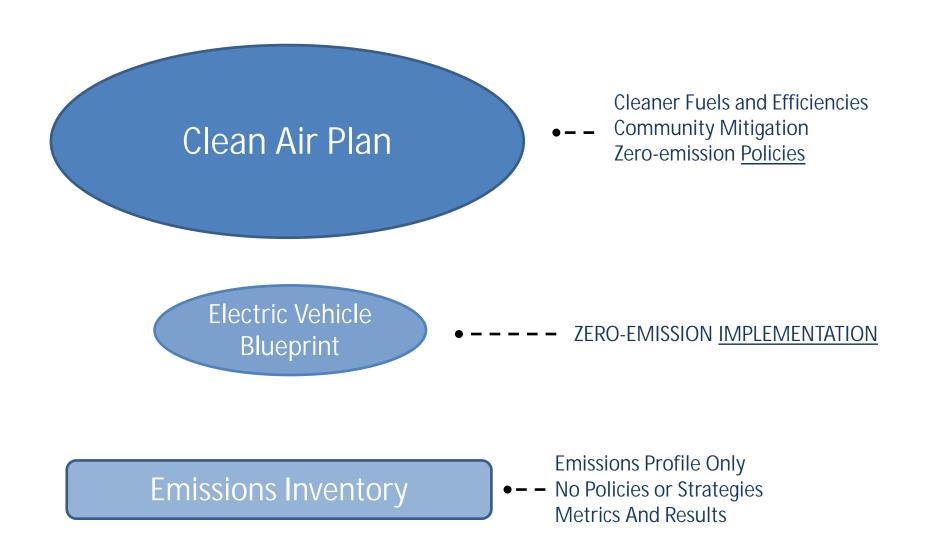


- 60% of port owned cargo handling equipment is zero emissions
- 40% of the cargo handing equipment operating at the port is zero emissions



Port of Stockton Clean-Air Toolbox





How to Use the Tools



What are we doing?

Clean Air Plan

How do we do it?

EV Blueprint and other implementation plans

How are we doing?

Emissions inventory



Port of Stockton Clean Air Plan



- Identifies strategies to reduce air pollution, greenhouse gases, and negative public health and community impacts
- Developed through a collaborative effort among community groups, industry, regulatory agencies, and the Port
- Leverages the Port's existing investments in zeroemission technology and community mitigation



Clean Air Plan Objectives



- Complement other local, regional, and state air quality initiatives and avoid duplication of effort Accelerate state and regional air quality regulations whenever possible.
- Reflect the perspectives of all our stakeholders the maritime industry, community, regulatory
 agencies, city officials, and others through transparent and comprehensive outreach.
- Prioritize cost-effective strategies that minimize negative impacts on the local economy and workforce;
 if possible, pursue strategies that strengthen the economy and workforce.
- Move as expeditiously as possible within the Port's jurisdictional, legal, and budgetary constraints and provide accountability for commitments to improve air quality.
- Whenever possible, prioritize strategies that provide **co-benefits**, such as noise reduction, traffic reduction, water quality benefits, or consistency with industry strategies that align with the Port's goal; in all cases, ensure that strategies do not worsen impacts in these areas.

Strategies



- Heavy-duty trucks
- Cargo-handling equipment
- Harbor craft
- Ships
- Locomotives

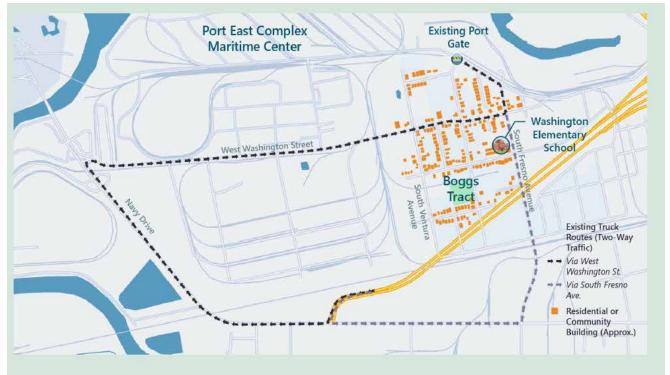


Figure 2: Existing Truck Routes To/From the Port's East Complex Maritime Center and Residential/Community Features

The West Washington Widening and Ventura Access Project features four key elements for reducing long-standing safety, noise, and air quality concerns for the Boggs Tract and West Washington Elementary community.

Heavy Duty Trucks



- Truck routing
- Fugitive dust
- Anti-idling measures
- Enhance efficiency
- Grants for zero-emission trucks
- Blueprint to define pathway to zero emissions
- Zero-emission truck transition plans

West Washington Widening and Ventura Access Project





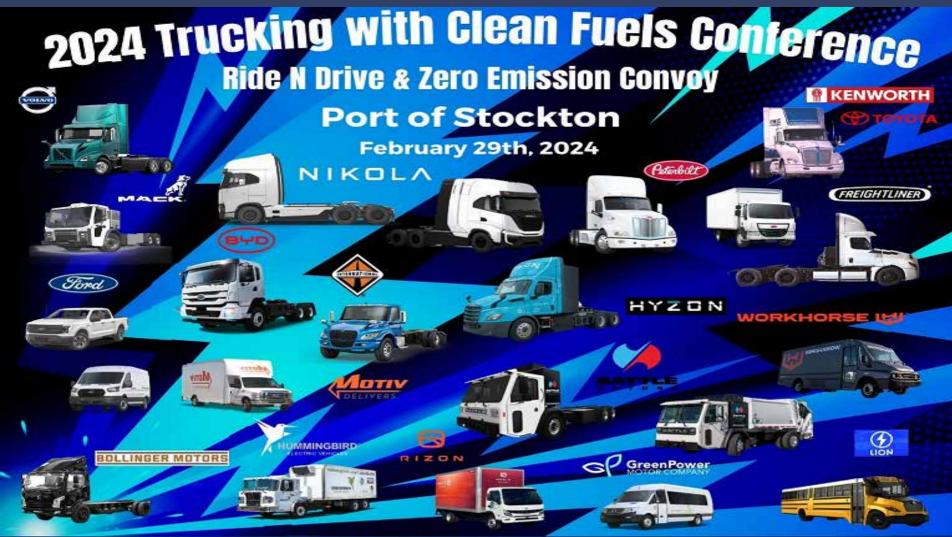
Figure 3: Proposed Truck Routes To/From the Port's East Complex Maritime Center and Residential/Community Features

The West Washington Widening and Ventura Access Project features four key elements for reducing long-standing safety, noise, and air quality concerns for the Boggs Tract and West Washington Elementary community.

Existing Route

West Washington Widening and Ventura Access Project



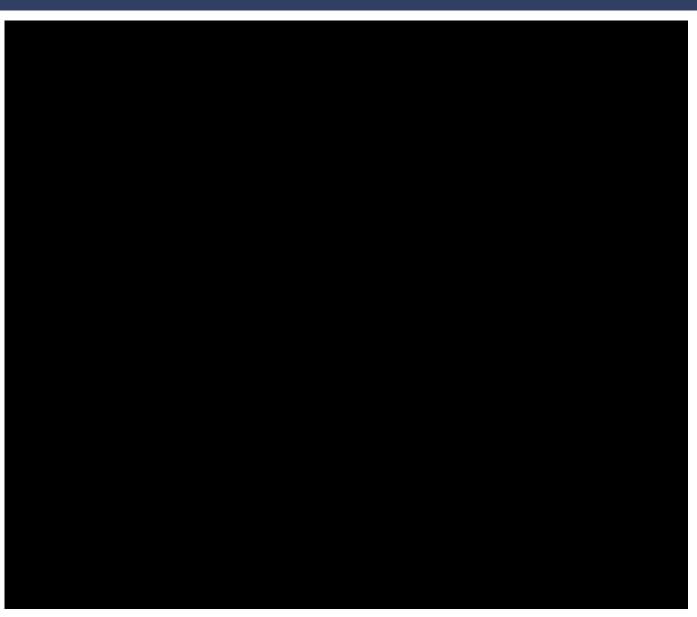


Proposed Route

TCFC Conference Sessions

Vehicles - Infrastructure - Energy - Incentives - Regulations Industry Appreciation Reception - Feb. 28th (5pm to 7pm)



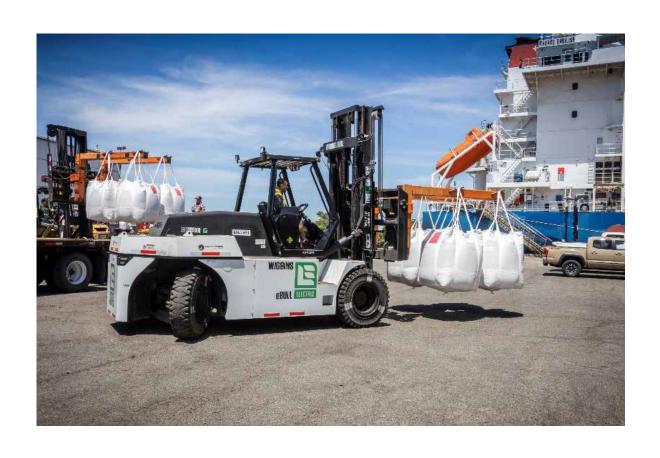


Cargo-handling Equipment



Strategies are designed to expand upon the Port's already significant investments in zero emissions and to accelerate State actions.

- Blueprint to define pathway to zero emissions
- Grants for zero-emission equipment
- Zero-Emission Terminal Transition Plans
- Zero-emission Port equipment
- Zero-emission tenant equipment
- Renewable diesel



Harbor Craft



Strategies are designed to support and accelerate the new State regulation.

- Grant funds for cleaner tugs
- Shore power
- Slow-speed zones
- Phase out older tugs



Ships



Strategies are designed to support and accelerate State regulations for at-berth emissions and to encourage cleaner ships to call Stockton.

- At-berth emission control systems
- Incentive program for cleaner ships



Rail Locomotives



Grants for zero-emission locomotives

Seek grants to help rail operators transition to the cleanest available locomotives and to demonstrate advanced zero-emission technologies.

Cleaner switcher locomotives

Evaluate the possibility of contractual conditions to require Central California Traction Company, the short-line rail operator, to deploy cleaner locomotives in advance of the State locomotive regulation.



Fleet Vehicles



Zero-emission Port fleet

Transition the Port's fleet of on-road vehicles to zero emissions by 2035.

Sub-strategies:

- » Beginning in 2024, all <u>new</u> vehicle purchases will be zero emissions, if feasible.
- » By 2030, the Port's light- and medium-duty fleet vehicles (i.e., cars, SUVs, and some pickup trucks) will transition to zero emissions, if feasible.
- » By 2035, all other vehicles will transition to zero emissions, if feasible.

Blueprint to define pathway to zero emissions

Develop the Port of Stockton Electric Vehicle Blueprint to identify the actions needed to support a zero-emissions on-road fleet transition.



Community Mitigation



Strategies are designed to mitigate community airquality impacts as the transition to zero emissions and cleaner equipment occurs.

BARRIERS-1: Vegetative screens.

 Evaluate potential locations for vegetative barriers and work with the community and regional partners to install such barriers, particularly around facilities and along truck routes in close proximity to residents, schools, and other neighborhood uses.

TREES-1: Urban forest.

 Expand the Port's urban greening program through more tree plantings, particularly in parts of the community that are highly impacted by trucks and Port-related uses.



Next Steps



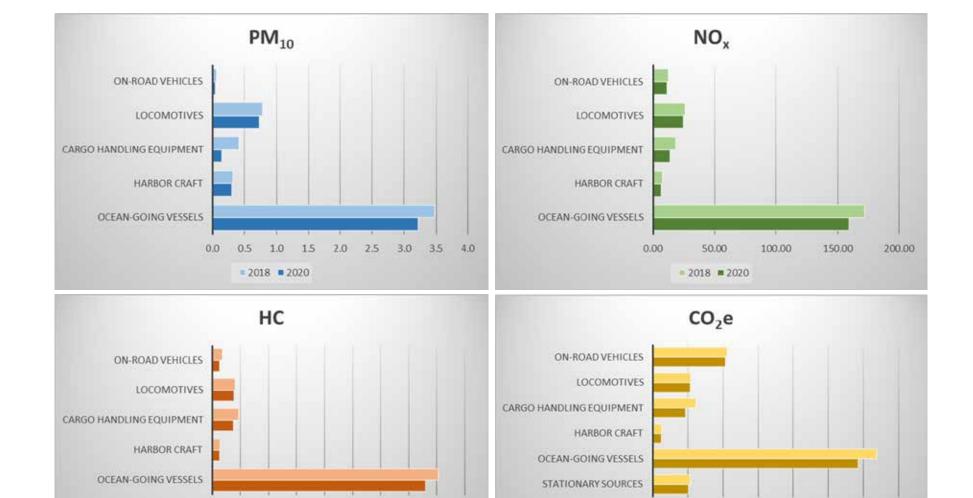
- Begin to implement the CAP strategies.
- Continue to work with our stakeholders to prioritize implementation actions and to develop new programs and policies, as needed
 - Many strategies require additional stakeholder outreach and research
- Track progress through the emissions inventory and performance milestones
- Continue to communicate with community groups, residents, regulatory agencies, tenants, and industry partners

2018 and 2020 Emissions (tons or tonnes/yr)



2,000 4,000 6,000 8,000 10,000 12,000 14,000

2018 2020

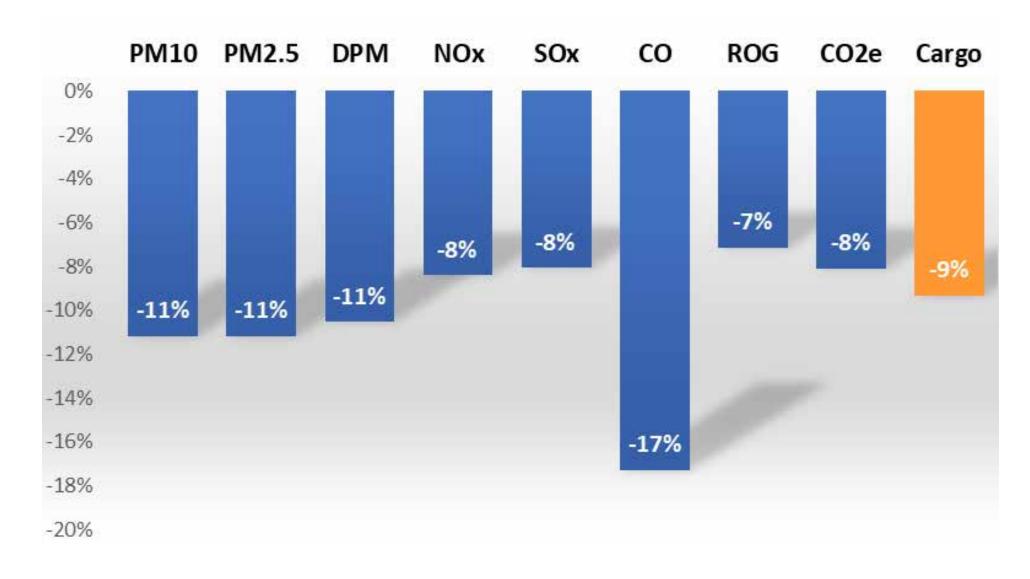


0.0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0 18.0

2018 2020

Emission Changes from 2018 to 2020





Zero-Emission Results



- pieces of zero-emission equipment deployed in five years: heavy forklifts, small forklifts, rail car movers.
- of the cargo-handling equipment fleet is zero emissions
- 62% reduction in particulate matter emissions from cargo-handling equipment
- 64% reduction in nitrogen oxides emissions from cargo-handling equipment
- 32% reduction in greenhouse gases from cargo-handling equipment
- 91,000 fewer gallons of diesel consumed annually
- \$455,000 in annual fuel savings

