

Stockton Port District Commission Meeting

EPA Clean Ports Program Grant Award

August 18, 2025 | Jeff Wingfield, Deputy Port Director, Regulatory and Public Affairs

Grant Background



Port of Stockton
CALIFORNIA

- The EPA Office of Transportation and Air Quality (OTAQ) announced the availability of funds and solicited applications from eligible entities to help ports nationwide transition to zero-emission (ZE) operations under the EPA's Clean Ports Program. The program will fund ZE port equipment and infrastructure to reduce mobile source emissions (criteria pollutants, air toxins, and/or greenhouse gases) at United States ports, delivering cleaner air for communities across the country.
- **Date Submitted:** May 23, 2024
- **Date Awarded:** December 16, 2024



Grant Background



Port of Stockton
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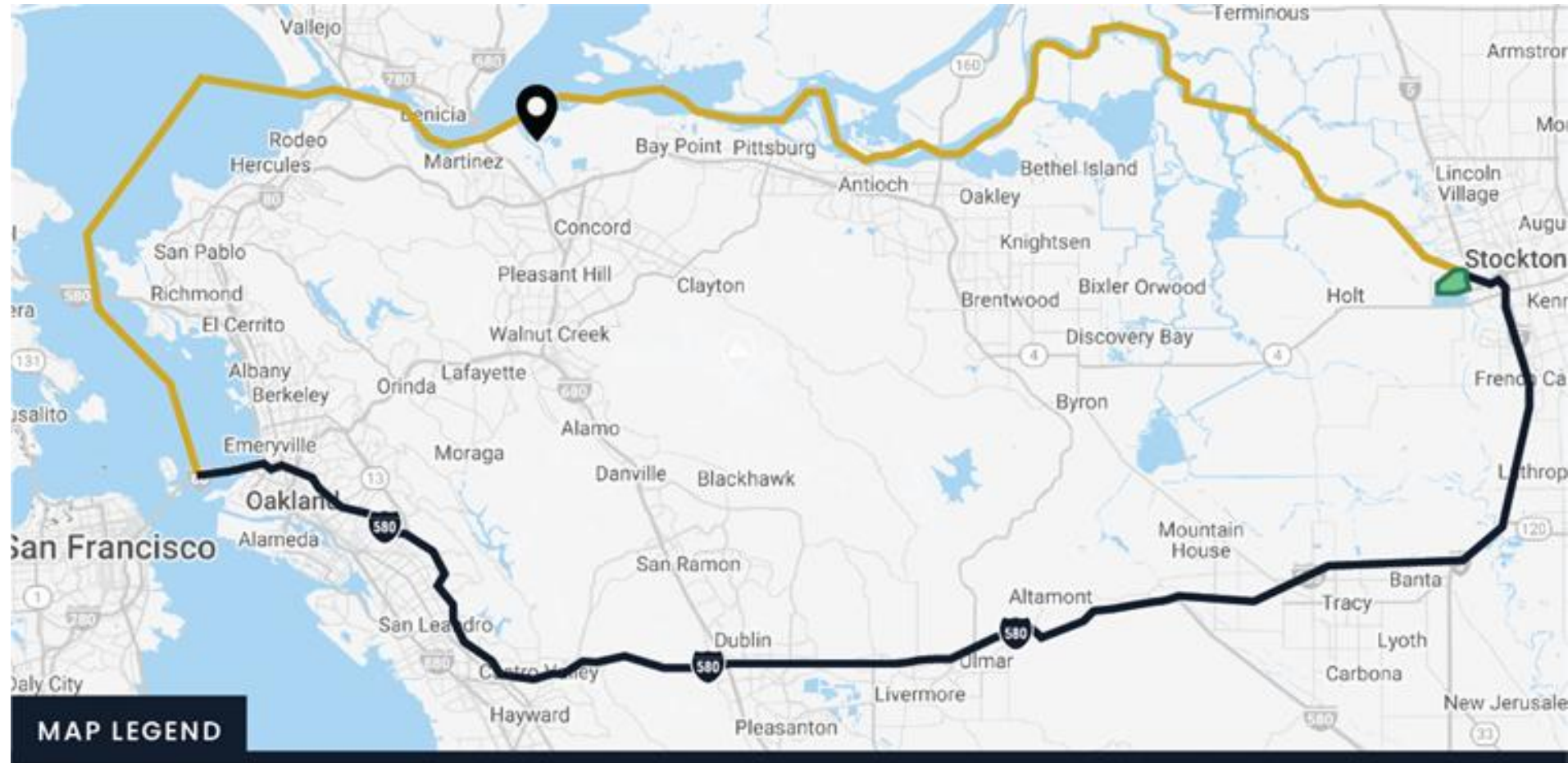


- The Port of Stockton, in partnership with SSA Pacific, Stockton Soda, and Tesoro Logistics, are launching a major zero-emission freight and infrastructure initiative. By deploying electric forklifts, cranes, terminal tractors, a railcar indexer, fast chargers, and a 3.8 MW shore power system powered by 6 MW of rooftop solar and 1.5 MWh of battery storage. Projects funded by the grant will eliminate approximately 90 tons of NO_x, 4 tons of PM_{2.5}, 10,359 tons of CO₂, and save over 96,000 gallons of diesel annually.
- **Total Project Cost:** \$129,685,058
 - **Grant Funding:** \$110,496,349
 - **Match:** \$19,215,709 (covered by our partnerships)

Grant Location



Port of Stockton
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 = **MARATHON**
3.8 MW Shore power
System for ocean-going
tanker vessels

 = **PORT OF STOCKTON,
SSA & STOCKTON SODA**
Electric forklifts, electric yard trucks,
electric mobile harbor cranes,
electric railcar indexer, solar, BESS

 = **I-580 ZERO
EMISSION
CORRIDOR**

 = **SACRAMENTO- SAN
JOAQUIN RIVER
DELTA ROUTE**

Grant Objectives



Port of Stockton
CALIFORNIA

- 54 light, medium, and heavy-duty electric forklifts (30 for Port, 24 for SSA)
- 2 electric mobile harbor cranes (Port)
- 6 electric terminal tractors (SSA)
- 47 direct current fast chargers (DCFC) with a total of 58 charging ports to serve the Port's and SSA's electric cargo handling equipment (CHE) (Port-owned)
- 6.5 MW of rooftop solar power directly powering the Port's and SSA's electric CHE (Port)
- 1.5 MWh of battery energy storage directly supporting the Port's and SSA's electric CHE (Port)
- 1 electric mobile operator-controlled railcar indexer to replace up to 5 diesel locomotives (Stockton Soda)
- 1 IEE/ISO/IEEE 80005-1:2019/AMD 2:2023 High Voltage Shore standard compliant 3.8 MW shore power system to provide power to Tesoro's ocean-going tanker vessels while at berth in its Martinez, CA Renewable Fuels Refinery (Tesoro)
- Support electric forklift training, electrical training, and student learning about Zero Emissions goods Movement (Port, Stockton Unified School District, Collaborative Technology Initiative)

Grant Budget



Port of Stockton
CALIFORNIA

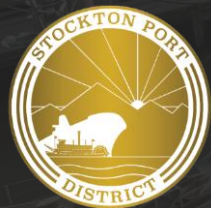
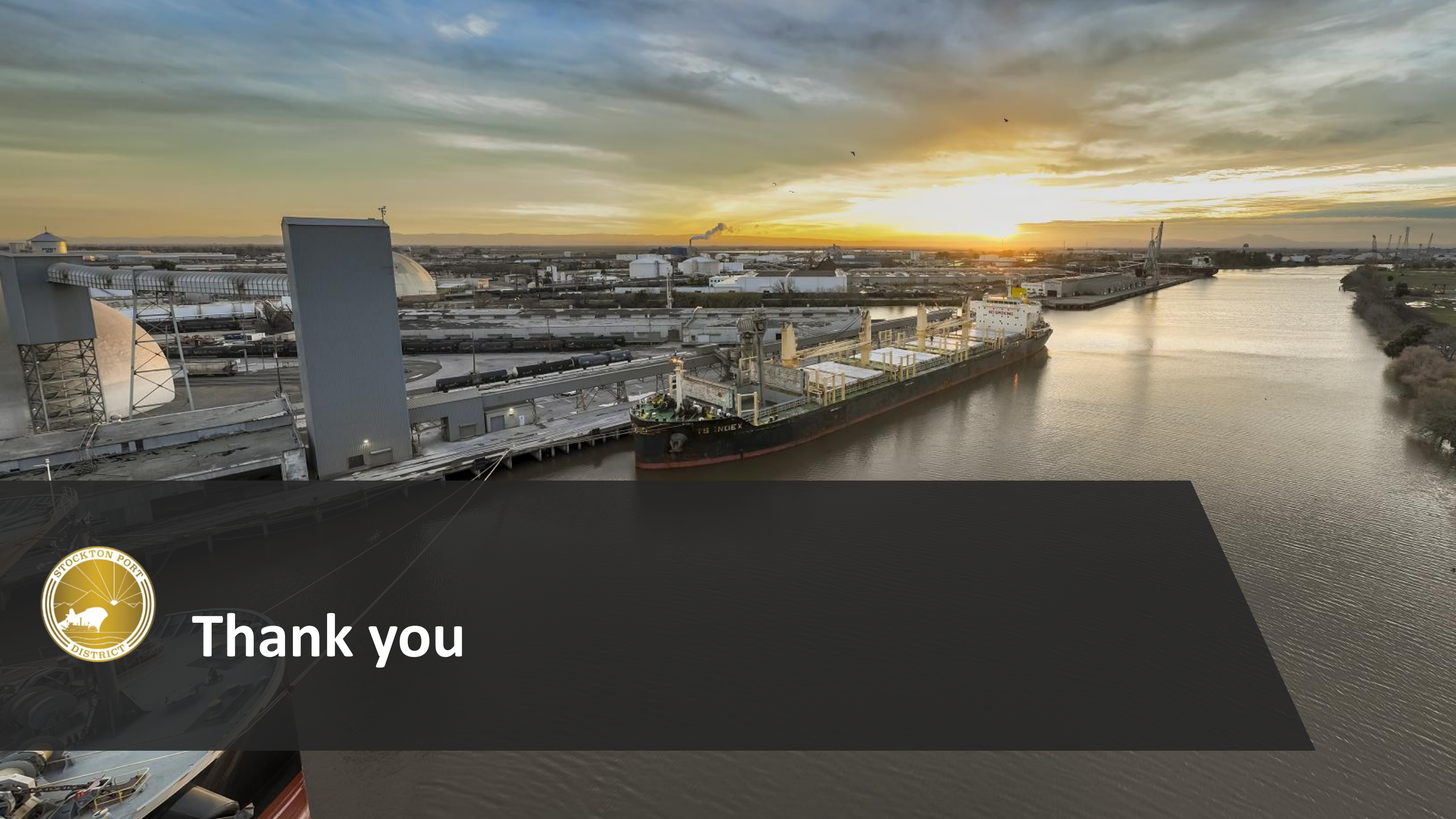
Project	EPA Funded	Required Match
30 Electric Forklifts	\$13,200,000	\$0
2 Electric Harbor Cranes	\$16,200,000	\$0
1.5 Megawatt-hours Battery Storage System	\$1,575,000	\$0
6.5 MW Solar Photovoltaic Arrays	\$1,015,625	\$0
47 DC Fast Chargers	\$ 3,799,748	\$0
Installation of DC Fast Chargers	\$3,140,252	\$0
Construction of shed structure to house forklifts, solar, and BESS	\$4,822,500	\$0
Install Electrical Infrastructure for solar, BESS and Chargers	\$8,767,500	\$0
3 Air Quality Monitors	\$334,000	\$0
Grant Assistance	\$1,000,000	\$0
Job Fair	\$20,000	\$0
Educational Courses for Students	\$400,000	\$0
Subcontract with SSA Marine for 24 Forklifts	\$18,924,073	\$2,102,675
Subcontract with Stockton Soda for Electric Railcar Indexer	\$9,000,000	\$1,000,000
Subcontract with Tesoro for 3.8 MW Shore Power System	\$24,169,552	\$16,113,034
Subcontract with SJVAPCD for Advisory Services	\$28,665	\$0
Subcontract with Community Technology Initiative for workforce development	\$4,072,434	\$0



- The acceptance of the grant award in the amount of \$129,685,058 through EPA requires a budget amendment to the Capital Improvement Plan and additional appropriation of funds. The match requirement of the grant will be fulfilled by our partners in the amount of \$19,215,709.
- Payment will be occurring on a reimbursement basis in which the Port will pay invoices from vendors upfront and then the Port will be reimbursed by the EPA. The expected turnaround for reimbursement is 3-5 days from submission.
- Costs of electric utility upgrades to support the new infrastructure that will not be covered by the grant (due to ineligibility specified in the EPA grant solicitation) are currently being evaluated. The cost of the upgrades will be determined once the engineering and design of the new electrical infrastructure is completed.



- Port staff recommends authorizing the Port Director to execute the EPA agreement and amend the FY2025-2030 Capital Improvement Plan, and appropriate funds in the amount of \$129,685,058. Staff also recommends to enter in to sub-recipient agreements with SSA Marine, Stockton Soda, Tesoro, San Joaquin Air Pollution Control District and Collaborative Technology Initiative.



Thank you