

Port of Oakland Grant Funding Efforts



Recent Grant Awards



Submitted Grant
Applications



Future Grant
Opportunities

LAST UPDATED: 4/18/24

Grant Awards

#	Grant Program	Grant Amount	Project Description	Status	Plan/ Strategy Alignment
1.	Zero and Near-Zero Emission Freight Facilities (ZANZEFF)	\$9.8M	SSA Electric CHE & Chargers & STE Substation and 10 Truck Chargers (10 Trucks, 2 Top Picks, Yard Tractors & Chargers)	Testing Equipment	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan
2.	BAAQMD Carl Moyer Program	\$5M	OICT 13 Hybrid RTGs	Completed	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan
3.	BAAQMD Carl Moyer Program	\$850k	Trapac 3 Hybrid RTGs	Awarded	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan
4.	2021 State Lands Commission ARRA Grant	\$14.3M	Sanitary Sewer Infrastructure	Awarded	Port Compliance
5.	FY 2021-22 State Budget Allocation	\$279.5k	Port of Oakland Truck, Rail and Neighborhood Safety Corridor Infrastructure Program	Awarded	Port Seaport Air Quality 2020 and Beyond Plan

Grant Awards

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6.	2021 MARAD Port Infrastructure Development Program (PIDP)	\$5.2M	Powering the Future Electrical Infrastructure, Renewable Power and Battery Storage	Awarded	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan
7.	2022 MARAD Port Infrastructure Development Program (PIDP)	\$37M	Phase 1 Outer Harbor Terminal Development Outer Harbor Terminal Redevelopment and Green Infrastructure Improvements	Awarded	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan
8.	2022 Trade Corridor Enhancement Program (TCEP)	\$42M	Green Power Microgrid Increase Port's renewable energy mix & increase ZEV charging capabilities	Awarded	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan
9.	CALSTA 2022 Port & Freight Infrastructure Program (PFIP)	\$102M	Terminal Modernization Project Rebuild portion of the Outer Harbor Terminal container yard that will expand the Port's electrical grid capacity & replace diesel powered CHE (Matson) with ZE CHE and infrastructure	Awarded	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan

Grant Awards

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10.	CALSTA 2022 Port & Freight Infrastructure Program (PFIP)	\$17M	Arterial Roadway Improvements Project Adeline Street and the 3rd Street Truck Corridor: Rehabilitate Adeline Street between 3rd Street and 7th Street, rehabilitate 5th Street between Union Street and Adeline Street and rehabilitate 3rd Street between Market Street and Broadway. The project will better accommodate heavy duty freight vehicles and improve bike and pedestrian safety.	Awarded	Port Seaport Air Quality 2020 and Beyond Plan
11.	Carl Moyer, TFCA, FARMER & Community Air Protection Program	\$1M	Everport Terminal Services Repower two Tier-4 Interim and two Tier-4 final diesel powered RTG cranes with five hybrid, diesel-electric Tier-4 final RTGS	Awarded	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan
12.	FEMA 2023 Port Security Grant Program (PSGP)	\$663k	Port Cybersecurity Infrastructure Improvements	Awarded	Port Operations
13.	H2Hub Project (DOE, Hydrogren Hub)	\$1.2B to California	ARCHES has been awarded to build and expand renewable, clean hydrogen projects up and down CA (Port is ARCHES partner)	Awarded	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
14.	CARB Advanced Tech Demo & Pilot Project (ATDPP)	\$25.3M	Bay Area Zero-Emissions Tug (BAZE ElectRA Tug) Tenant: AmNav. Funding to design and build a ZE electric tugboat powered by a state-of-the-art microgrid system. Aim is to achieve a replicable prototype to foster the commercialization of ZE vessels.	Awarded	WOCAP, City ECAP and Port Seaport Air Quality 2020 and Beyond Plan

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15.	State (GoBiz) CA Port Data Partnership Grant Program	\$3.0M	Containerized Port Empowerment Initiative: Development of the Integrated Data Environment	Awarded	Port Seaport Air Quality 2020 and Beyond Plan
16.	EPA Diesel Emissions Reduction Act (DERA)	\$0.6M	RENEW: Replacing Equipment with New Electric Vehicles Port Facility Equipment Seaport: 1 electric water truck Airport: 1 electric garbage/refuse truck	Tentative Award	WOCAP, City ECAP and Port Seaport Air Quality 2020 and Beyond Plan

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1.	FHWA Reduction of Truck Emissions at Port Facilities Grant Program (RTEPF)	July 2023	Powering Progress: Electrification of Materials & Equipment Transport at the Port of Oakland Deploy four (4) Class 8 electric trucks, an electric street sweeper, an electric pickup truck, and supporting charging infrastructure.	\$5M	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan
2.	DOT Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Program	Aug 2023	Planning Grant: Rising Seas and Oakland's Frontline Communities: Adaptation Planning for Neighborhood-Led Resiliency (E. Oak) Conduct vulnerability assessment that focuses on modeling projected SLR and GWI levels for East Oakland adjacent to the airport.	\$4M	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
3.	CA Strategic Growth Council Community Resilience Center Program (CRC) – <i>City of Oakland is Lead</i>	Sep 2023	City of Oakland Community Resiliency Centers: Planning for a West Oakland Community Resiliency Center and implementation of plans for the Chinatown Community Resilience Center.	\$10.5M	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
4.	BAAQMD Infrastructure Solicitation Program <i>AmNav is applicant</i>	Sep 2023	AmNav E-Tug		WOCAP, City ECAP and Port Seaport Air Quality 2020 and Beyond Plan

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5.	FEMA Building Resilient Infrastructure and Communities (BRIC) <i>City of Alameda is Lead</i>	12/13/23	Bay Farm Island Adaptation Project: Oakland Alameda Adaptation committee (OAAC*) will complete shoreline flood risk reduction and adaptation strategies along the estuarine shoreline and lower reaches of San Leandro Creek including Sobrante Park in east Oakland.	\$55M	City ECAP and Port Seaport 2020 and Beyond Plan
6.	FAA Fueling Aviation's Sustainable Transition via Sustainable Aviation Fuels (FAST-SAF)	December 2023	Decarbonizing Flight: Integrating Sustainable Aviation Fuel at OAK: Scoping study to look at the barriers to increasing sustainable aviation fuel (SAF) usage at OAK, N. Field	\$300k	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
7.	VW Mitigation Trust <i>RAC Rental Car Company Consortium @ OAK has applied</i>	December 2023	Replace shuttle buses for rental car companies with electric buses.		City ECAP
8.	Caltrans Sustainable Transportation & Climate Adaptation Planning Grant	1/18/24	Rising Seas and Oakland's Infrastructure and Frontline Communities: Climate Adaptation Planning for Neighborhood-led Resiliency Modeling projected Sea Level Rise (SLR) and Groundwater Intrusion (GWI) in order to create an Adaptation Plan for E. and W Oakland; Central Oak/Bay Front	\$4.5M	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan

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9.	NOAA Marine Debris Removal under BIL – <i>City is Lead</i>	2/23/24	Oakland Estuary Marine Debris Removal and Regional Stewardship Project 1) Vessel and large marine debris removal; 2) Volunteer community shoreline and water kayak cleanup events; 3) Oakland kayak stewardship program for teens and the community; and 4) Boat buy-back program	\$4M	Environmental Compliance
10.	VW Mitigation Trust Zero-Emission Freight and Marine Projects (ZEFM)	2/28/24	Shore Power at Eagle Rock Development	\$15.8M	WOCAP, City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
11.	DOE Hydrogen and Fuel Cell Technologies Office FOA to Advance the National Clean Hydrogen Strategy - <i>CTE is the Lead</i>	3/22/24	Hydrogen Fuel Cell Powered Port Equipment – collaboration between Center for Transportation and the Environment (CTE), Trapac, Hyster, and First Element	\$4M	WOCAP, City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
12.	EPA Climate Pollution Reduction Grants (CPRG) competitions	4/1/24	Decarbonizing the Future: Renewable Natural Gas Utilization at Oakland International Airport Plans to offtake renewable natural gas from the City of San Leandro's Water Pollution Control Plant which is currently dispersed into the air via flare stack. This new source of RNG would displace current fossil-gas usage and grid electricity at Oakland International Airport with a clean source of power with net zero carbon emissions.	\$32M	Airport Carbon Accreditation, City ECAP

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13.	EPA Climate Pollution Reduction Grants (CPRG) competitions	4/1/24	<p><i>Transforming Power: Advancing Zero Emission Cargo Handling Equipment with Infrastructure at the Port of Oakland</i></p> <p>To implement critical infrastructure improvements to the Port's electrical distribution grid, including eight upgraded substations, circuits, and other gear to accommodate anticipated increased power needs.</p>	\$75.7M	Port Seaport Air Quality 2020 and Beyond Plan, City ECAP

Grant Applications Underway

#	Grant Program	Grant Request	Project Concept	Deadline	Plan/ Strategy Alignment
1.	FAA AIP Discretionary Grant	TBD	Electrification Projects (substation, bus electrification); Airport Perimeter Dike resiliency to seismic events	5/2/24	Airport Carbon Accreditation, City ECAP
2.	EPA Clean Ports Program	TBD	Zero Emission Tech Competition: Portwide ZE Project to include marine terminal cargo handling equipment and infrastructure, as well as EV drayage trucks	5/28/24	WOCAP, City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
3.	2024 MARAD Port Infrastructure Development Program (PIDP)	TBD	Port Infrastructure	5/10/24	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan

Future Funding Opportunities

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1.	CARB Hydrogen Focused Grant Solicitation	TBD	(TBD) Hydrogen infrastructure	Winter 2023	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
2.	CEC Large-Scale Centralized Clean Hydrogen Production (H2CENTRAL) – <i>CA Hydrogen Hub funding</i>	TBD	To fund commercially available hydrogen technologies and kickstart large-scale, centralized clean hydrogen production, storage, and distribution to offtakers through demonstration and scale-up in California.	6/3/24	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan

Grant Applications Not Selected




#	Grant Program	Grant Amount	Project Concept	Deadline	Plan/ Strategy Alignment
1.	NOAA Climate Resilience Regional Challenge	Up to \$1M	Rising Seas and Oakland's Frontline Communities Adaptation Planning for Neighborhood-Led Resiliency (Segment 3: Central Oak/Bay Front)	LOI Aug. 28, 2023 Not Selected to Proceed	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
2.	EPA Environmental Justice Government-to-Government Program (EJG2G)	\$1M	Rising Seas and Oakland's Frontline Communities Adaptation Planning for Neighborhood-Led Resiliency (W. Oak) Conduct vulnerability assessment that primarily focuses on modeling projected Sea Level Rise (SLR) and Groundwater Intrusion (GWI).	April 2023	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan
3.	2023 DOT/MARAD Port Infrastructure Development Program Grant (PIDP)	\$57M	Partnering on a Resiliency Solution For Seaport Emissions; Implementing Actions in the Seaport's Pathway to Zero Emissions Plan Partnership with TraPac, proposes to purchase ten (10) battery energy storage system (BESS) containers and replace existing diesel fueled cargo handling equipment with seven (7) electric top handlers and 26 electric yard tractors.	April 2023	WOCAP, City ECAP, and Port Seaport Air Quality 2020 and Beyond Plan

Grant Applications Not Selected

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4.	DOT Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Program	\$52M	Resilience Grant: Airport Perimeter Dike- Phase II Geotechnical hardening along portions of the Airport Perimeter Dike (APD) to reinforce and stabilize the structure, mitigating the effects of earthquakes.	Aug 2023 Notice of Not Selected 4/10/24	City ECAP and Port Seaport Air Quality 2020 and Beyond Plan

Partnership Efforts Underway

Electrical Infrastructure Partnerships

	<p>California Port Data Partnership (June 2022)</p>	<p>CA Budget Act of 2022 includes a one-time state investment of thirty million dollars (\$30,000,000) that will support direct cloud-based port data system development at California's containerized ports and support emerging data aggregation and analysis to support freight and supply chain efficiency. POK signed CA Port Data Partnership MOU between Ports of Hueneme, POLB, POLA & POSD.</p>
	<p>Charging and Fueling Infrastructure (CFI) Discretionary Grant Program Corridor Program Alternative Fuel Corridor Grants (BIL)</p>	<p>Caltrans HQ & CEC are preparing a Statewide application in coordination with OR & WA to connect I-5 through 3 States. Port discussed the State agency grant application and provided a letter of support.</p>
	<p>Alliance for Renewable Clean Hydrogen Energy Systems (ARCHES) Building for the Next Generation-Transition to ZE CHE</p>	<p>California's public-private hydrogen (H2) hub consortium to accelerate the development and deployment of clean, renewable H2 projects and infrastructure. Partnership with the Governor's Office of Business and Economic Development (GO-Biz), ARCHES unites key public and private stakeholders to build the framework for a California renewable, clean H2 hub.</p>
<p>West Oakland Sustainable Port Collaborative</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 10px;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>		<p>Collaborative forum to identify/develop sustainable project opportunities within and surrounding the Port.</p>