

# **FY2022 Port Infrastructure Development Program – Creating Workforce Training Programs and Good-Paying Jobs with the Free and Fair Choice to Join a Union**

## **Phase 1 Outer Harbor Terminal Redevelopment Project**

### **Port Department of the City of Oakland**

*Oakland, California*

<b>Project Type:</b>	Capital
<b>Location:</b>	Coastal Seaport, Urban Area
<b>PIDP Funding:</b>	\$36,592,875
<b>Total Project Cost:</b>	\$48,790,500

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**Project Description:** The Project will fund construction of a roughly 25-acre off-dock container support facility with truck entry/exit gates and gatehouse, pavement replacement, office trailer, perimeter fencing, grounded and wheeled container storage, refrigerated container grounded storage and plugs, LED high mast lighting, drainage, substation improvements, and battery storage and charging stations.

**Project Benefits:** The Project provides safety benefits through reductions in truck vehicle miles traveled (VMT) due to the diversion of trucks from the Ports of Long Beach, Los Angeles, Seattle, and Tacoma to travel a shorter distance to the Port of Oakland. The Project provides efficiency benefits by increasing cargo capacity and storage for import, export, and empty containers and will advance zero-emissions goals through its electrical charging infrastructure improvements and reductions in VMT.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The Port adopted a Workforce Development Plan as part of its *2020 and Beyond Plan*. The Workforce Development Plan includes a framework that allows for growth, change, and innovation to support the pathway to a zero-emissions port while playing a central role in the convening of partners, including state, local, and educational institutions. The Port’s Maritime and Aviation Project Labor Agreement (MAPLA) is an agreement between the Port of Oakland and the Alameda Building and Construction Trades Council that promotes project stability, construction efficiency, and local hiring opportunities on all port projects over \$150,000 that are a part of the Port’s Capital Improvement Program (CIP). The Port of Oakland negotiated the first regional public agency project labor agreement (PLA) that included hiring goals for the local impact areas most likely to experience the adverse effects of port operations, such as traffic and noise. The MAPLA goals are designed to support reassessment and improvement of local hiring strategies. The Port also strengthened language in MAPLA where the building trades unions commit to increase recruitment from the Port’s LIA into the “list trades” and included goals for Disadvantaged Workers. The list trades provide access to some of the highest paying jobs in construction. During the period between 2017 to 2020 over 300 Port

LIA residents joined the list trades (comprised of sheet metal workers, electricians, plumbers/pipefitters, glaziers, and elevator constructors).

# Port Everglades Berths Improvement and Modernization Project

## **Broward County**

*Broward County, Florida*

<b>Project Type:</b>	Capital
<b>Location:</b>	Coastal Seaport, Urban Area
<b>PIDP Funding:</b>	\$19,280,625
<b>Total Project Cost:</b>	\$38,561,250

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**Project Description:** The Project will replace approximately 1,650 linear feet of bulkheads in their current alignment at Berths 16, 17, and 18 at Port Everglades. The Project includes new steel sheet pile bulkheads with concrete caps, cathodic protection, mooring hardware and fendering systems, dockside utility extensions, berth apron pavement, drainage system improvements, and benthic habitat surveys and mitigation.

**Project Benefits:** The Project will restore the berths to a state of good repair, allowing them to operate safely and more efficiently for 75 years of service. The Project incorporates climate change in both planning activities and project components by lowering vessel wait times at berth and improving the resilience of the port through components designed to withstand future sea level rise.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The grantee provided a thorough equity impact analysis and offered proactive policies and programs to ensure equity and inclusion are a focus in project planning and delivery. The Construction Apprenticeship Program Ordinance was unanimously adopted by the County Commission authorizing an effective program start date on April 5, 2021. This ordinance is designed to create high paying jobs and require Broward contractors and subcontractors to hire and increase the number of apprentices and develop a more skilled labor pool for County construction projects. The County's Office of Economic and Small Business Development (OESBD) is also committed to advancing opportunities for local small businesses. OESBD markets, actively recruits, and provides certification services to local small businesses to bid on procurement contracts with the Small Business Enterprise (SBE), County Business Enterprise (CBE), and Disadvantaged Business Enterprise (DBE) programs.

# The JAXPORT EXPRESS Project

## Jacksonville Port Authority

*Jacksonville, Florida*

<b>Project Type:</b>	Capital
<b>Location:</b>	Coastal Seaport, Urban Area
<b>PIDP Funding:</b>	\$23,518,000
<b>Total Project Cost:</b>	\$47,036,000

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**Project Description:** The Project includes five components: 1) installation of electrified refrigerated container stacks; 2) procurement of six hybrid-electric rubber-tired gantry cranes; 3) procurement of 16 battery-electric forklifts, ten battery-electric yard tractors, and seven Tier 4 diesel top picks; 4) installation of 15 high-power direct current fast charging stations and make-ready stub-outs; and 5) development of a replaceable and scalable plan for transitioning the port and local maritime industry to zero-emission technologies.

**Project Benefits:** The Project will generate significant benefits in terms of long-term cost savings and improved terminal efficiency and cargo throughput by developing electrified and/or zero emissions infrastructure.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** Current operations at Project terminals are provided by labor from the local Teamsters Union or the local International Longshoremen's Association. The grantee and project partners are actively enhancing their commitments to equity and workforce development through targeted investments in workforce development curricula, engaging members from underrepresented communities to understand challenges to and opportunities for greater representation and collaborating with non-profit organizations committed to equity and sustainability. The Project Team will enhance these efforts through the development of an equity impact analysis as part of the Equity Development and Inclusion Plan within the project management plan to increase equity-focused policies related to procurement, material sourcing, construction, inspection, and other Project activities. The Project team will evaluate mechanisms to further strengthen these efforts, including the payment of above-market wages and providing all workers the opportunity to organize and join unions without interference. All partners on the Project are committed to developing Project labor agreements that comply with all Federal, state, and local regulations. The Project team will encourage subcontractors to maximize opportunities for registered apprenticeships while the Project partners will expand internship opportunities within their respective organizations to give prospective employees greater exposure to advanced zero emissions technologies and systems.

# Kapalama Container Terminal Project

## Hawaii Department of Transportation, Harbors Division

*Honolulu, Hawaii*

<b>Project Type:</b>	Capital
<b>Location:</b>	Coastal Seaport, Urban Area
<b>PIDP Funding:</b>	\$47,326,300
<b>Total Project Cost:</b>	\$139,361,500

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**Project Description:** The Project will fund four activities: 1) upgrades to electrified ship-to-shore cranes, acquisition of new equipment, and installation of solar panels on terminal buildings that will improve the reliability of port operations; 2) smart gate and security technology to improve safety and operational efficiency; 3) an electrical micro-grid to improve resilience; and, 4) in collaboration with local communities and stakeholders, development of a Facility Resiliency Plan and a Terminal Electrification Plan to support additional environmental and resilience improvements in the future.

**Project Benefits:** The Project will improve the safety, efficiency and reliability of cargo operations at the terminal through an enhanced truck queueing system and a reliable power grid dedicated to port operations. The recipient has a Climate Change Plan that has been incorporated in project planning and the Project aligns with Hawaii's state-wide greening initiatives.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The recipient will promote equity in both project planning and delivery through the preparation and execution of an Equity and Stakeholder Outreach Plan that will include a report that summarizes those activities. The recipient will also collaborate with local Workforce Development Centers to identify potential maintenance and repair personnel from disadvantaged and low-income communities, areas of persistent poverty, and underserved communities. This project will plan and promote equity and workforce opportunities by significantly retraining and upskilling current and future port workers on smart technology and advanced automation practices, two emerging fields that are forecasted to dominate manufacturing and logistics in the next generation. In addition to the 60 hours of On-the-Job Training crane operators and handlers will receive when new electrified equipment is installed, the grantee and partners will focus on upskilling union workers to increase their career advancement, build a mentorship pipeline for future workers, and harden the local workforce against job elimination risks due to advanced automation technologies. The Project will create multiple good-paying jobs that offer the free and fair choice to join a union to the greatest extent possible.

## Salem Wind Port Project

### City of Salem

*Salem, Massachusetts*

<b>Project Type:</b>	Capital
<b>Location:</b>	Coastal Seaport, Urban Area
<b>PIDP Funding:</b>	\$33,835,953
<b>Total Project Cost:</b>	\$58,944,029

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**Project Description:** The Project will redevelop a vacant industrial facility into a marshalling area for offshore wind (OSW) energy projects. The Project includes construction of a 700-foot-long wharf and bulkhead that will be able to handle oversized and heavy cargoes and will be able to serve as a loadout and assembly location. The Project also includes improvements to approximately 23 acres of adjacent uplands to create a laydown area adjacent to the loadout and assembly space.

**Project Benefits:** The new facilities will safely, efficiently, and reliably handle heavy and oversized OSW energy components that are typically difficult to accommodate at most ports due to space and weight limitations.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The Project advances equity and opportunity through the commitment of non-governmental partners to negotiate a Project Labor Agreement with local building trades unions and the City. The Project also aligns with the initiatives of nearby maritime training and workforce centers. The Project partners have committed to multi-million-dollar investments in workforce training and supply chain development as well as additional investments in education, innovation, and environmental initiatives to benefit local communities.

## Arthur Kill Offshore Wind Terminal Project

### Empire State Development Corporation

*Staten Island, New York*

<b>Project Type:</b>	Capital
<b>Location:</b>	Coastal Seaport, Urban Area
<b>PIDP Funding:</b>	\$48,008,231
<b>Total Project Cost:</b>	\$364,428,608

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**Project Description:** The Project will fund the dredging of approximately 740,000 cubic yards to create a thirty-five-foot-deep ship basin to support further development of the adjacent 32-acre site as a purpose-built offshore wind (OSW) staging and assembly facility in Staten Island, New York. The OSW staging and assembly facility will contain 32 acres of upland area, a 1,365-foot-long wharf with adjacent laydown area that has enhanced load bearing capacity, and two “program” areas (a tenant area consisting of a 15,266-square-foot combined warehouse and office building and a project owner’s area consisting of a 4,200-square-foot office building). This award is less than the \$54,621,498 requested because the project sponsor will complete the original project scope through additional non-PIDP funding contributions, as documented in a confirmation email.

**Project Benefits:** The Project will provide an efficient staging and assembly location for OSW facilities in the region and support the safe handling of oversized and/or overweight OSW components. The Project incorporates on-site renewable energy technologies to reduce the carbon footprint of facility operations and supports the use of vessel and electric vehicle powering infrastructure.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The Project developers have adopted a Workforce Development, Equity, and Inclusion Plan that sets forth key strategies to address equity goals, including best practices for participation by disadvantaged communities, educational opportunities, workforce training, and recruitment of workers from disadvantaged communities.

## Rail Access and Port Capacity Improvements Project

### Detroit/Wayne County Port Authority

*Detroit, Michigan*

<b>Project Type:</b>	Capital
<b>Location:</b>	Great Lakes, Urban Area
<b>PIDP Funding:</b>	\$16,030,000
<b>Total Project Cost:</b>	\$22,900,000

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**Project Description:** The Project will rehabilitate existing port infrastructure and construct new port infrastructure at the Port of Detroit. The Project includes creating a new port/rail connection; adding dry bulk cargo handling platforms and a covered warehouse; reconstructing a dock; installing 2 bulk-liquid storage tanks; and constructing an additional berth to facilitate fueling of cargo vessels.

**Project Benefits:** The Project enhances cargo movements by shifting a significant amount of the port's cargo from truck to rail. It also enhances port resilience by raising the height of the wharf to minimize the adverse operational impacts of high-water issues. The new fuel pier enhances the capabilities of the port's existing customer that provides fuel for one-third of the cargo vessels on the Great Lakes.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The Project will create a wide range of jobs in support of future cargo operations and the recipient's project implementation plan includes working with local organizations to reach out to segments of the community historically underrepresented in maritime jobs and working with a number of established programs such as the Detroit at Work Program through the City of Detroit and Michigan Works Program to meet a goal of at least 50% minority hiring for positions created by the Project. In 2019, the port invested significant resources to create the "Port Forward Campaign" to organize the port's public and private stakeholders to expand the port's operating footprint and to upgrade and rebuild the port infrastructure. This Project is included in that effort.



## Electrification and Warehouse ‘A’ Modernization Project

### Cleveland-Cuyahoga County Port Authority

*Cleveland, Ohio*

<b>Project Type:</b>	Capital
<b>Location:</b>	Great Lakes, Urban Area
<b>PIDP Funding:</b>	\$27,223,711
<b>Total Project Cost:</b>	\$34,029,639

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**Project Description:** The Project consists of both development phase (planning, permitting, engineering, and design) and construction activities at the Port of Cleveland. It will modernize a 144,000-square-foot warehouse (Warehouse A); expand stormwater collection and treatment infrastructure; construct a modernized maintenance and repowering facility for terminal equipment; and install electric infrastructure to meet the power requirements of ship cold ironing and electrified cargo handling equipment.

**Project Benefits:** The Project’s warehouse rehabilitation component will improve the efficient movement and throughput of cargo while decreasing workplace hazards and the other project components support the implementation of electrification and zero emissions technologies, increased resilience, and improved stormwater management and treatment.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The Project includes extensive coordination with the public and community groups, demonstrating strong collaboration. The port has launched recent initiatives to address equity and barriers to opportunity, which include a \$15 minimum wage policy for port-related work, 30% minority and female business participation goals, and the creation in November 2020 of a Port Community Investment Grant program dedicated to economically vulnerable neighborhoods and their residents.

## Port of Adak Pier Five Improvements Project

### **The Aleut Corporation**

*Adak, Alaska*

<b>Project Type:</b>	Capital
<b>Location:</b>	Coastal Seaport, Rural Area
<b>PIDP Funding:</b>	\$10,161,900
<b>Total Project Cost:</b>	\$11,291,000

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**Project Description:** The Project at the Port of Adak, in the Aleutian Islands of Alaska, entails repairs and updates to Pier Five, the primary supply pier for this remote Alaskan village. The grant will fund planning and permitting work, removal of the deteriorated timber pile fender system, repairs to damaged concrete piles and caps, installation of a high-energy absorbing fender system, and installation of new sewer, firefighting water, potable water, electrical and communications utilities, and LED lighting.

**Project Benefits:** The primary focus of the Project is the repair of infrastructure that will enhance the supply chain by allowing fishing and other commercial vessels, including barges bringing supplies to the community, to moor at Pier Five. The design elements incorporated have been developed to increase efficiency for both large and small fishing vessels operating in the area and delivering cargoes to support this rural community. The high energy absorption fender system will allow greater flexibility for all vessels to safely moor at Pier Five in a wider range of wind and sea states.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The grantee has implemented workforce training and hiring programs that focus on individuals that have, historically, faced systemic barriers to employment. The port operator has consistently held a 60% minority hire rate, and with the tribal corporation's focus on providing employment for underrepresented groups, this proven track record will be impactful as this project will provide an increased number of jobs on island.

# Bridgeport Port Authority Operations and Maintenance Wind Port Project

## **Bridgeport Port Authority**

*Bridgeport, Connecticut*

<b>Project Type:</b>	Capital
<b>Location:</b>	Coastal Seaport, Urban Area
<b>PIDP Funding:</b>	\$10,530,000
<b>Total Project Cost:</b>	\$17,550,000

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**Project Description:** The Project encompasses design and construction of an Operations and Maintenance (O&M) Wind Port in Bridgeport, Connecticut. Project elements include the installation of approximately 1,300 linear feet of anchored bulkheads, dredging of approximately 30,000 cubic yards of material to deepen the harbor for larger support vessels, a floating service dock to assist offshore wind (OSW) support vessels, and the installation of two reinforced 20' x 100' crane pads that will also serve as relieving platforms for the new bulkheads.

**Project Benefits:** The Project will facilitate the efficient movement of offshore support vessels and offshore wind component cargo required for the region's offshore wind sites.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The Project will support wind power-related workforce training and placement efforts for underrepresented populations. The State has several existing and effective programs that may be utilized to support this Project, including the Manufacturing Pipeline Initiative and a Workforce Development Program. These workforce training programs have trained thousands of people. The Connecticut College of Technology also has a Next Generation Manufacturing program that may support the Project.

## Intermodal Handling and Transfer Facility Improvements Project

### Port of Port Angeles

*Port Angeles, Washington*

<b>Project Type:</b>	Capital
<b>Location:</b>	Coastal Seaport, Rural Area
<b>PIDP Funding:</b>	\$ 8,608,000
<b>Total Project Cost:</b>	\$10,760,000

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**Project Description:** The Project consists of structural repairs and improvements to an existing 112-year-old dock and pavement improvements to increase the surface elevation and load capacity for approximately 10 acres of an existing 30-acre cargo yard.

**Project Benefits:** The Project includes structural repairs to a very dilapidated dock and reinforcement improvements to a cargo handling yard that is also in very poor condition. Climate change is addressed through the port's participation in a 2015 Climate Change Preparedness Plan, ongoing development of a carbon inventory, and the Project's structural and elevation improvements that increase resilience to extreme weather events and sea level rise.

**Creating Workforce Training Programs And Good-Paying Jobs With The Free And Fair Choice To Join A Union:** The port and its partners have existing equity-focused policies that support strong labor standards and workforce training and hiring of underrepresented populations. The recipient is also developing a formal workforce development program to meet the needs of its customers and tenants. The grantee will support its project partner in pursuing the local community to satisfy employment requirements for the new facility. The new terminal will provide new job opportunities generating an estimated 100 skilled positions.