



ENVIRONMENTAL PROTECTION

Mission

Develop a culture of environmental stewardship to protect and enhance the tidelands and its marine ecosystems. Support Port and tenant projects through all facets of developments and operations to ensure compliance with environmental laws and regulations.

Current Programs and Projects

- Regional Harbor Monitoring Program
- Stormwater Management
- Site Remediation
- Copper Reduction Program

Opportunities for Collaboration

- Technology to solve environmental issues (TMDLs, CAOs, additional water quality parameters, invasive species, etc)
- Stormwater and/or in-water BMPs- specifically bacteria, metals and turbidity
- Technology/methods to assist in alleviating costs accrued when switching from copper to noncopper hull paints
- Invasive (or nuisance) species identification and removal



ENVIRONMENTAL CONSERVATION

Natural Resource Management | Env Education & Community Outreach | Protection, Restoration & Enhancement

Mission

To conserve and enhance natural resources in balance with the Port's trustee responsibilities for commerce, navigation, fisheries and recreation by expanding native habitats and ensuring regulatory compliance through sound resource management.

Current Programs and Projects

- Development of a Coastal Wetland Mitigation Bank at Pond 20 in South San Diego Bay
- Stewardship of natural resources through habitat restoration, monitoring, scientific studies, and bay-wide surveys of birds, fish, eelgrass, and oysters
- Bay-wide assessment of carbon storage and sequestration in eelgrass beds
- Coordinate in-water project construction efforts to avoid impacts to water quality or natural resources within San Diego Bay
- Environmental review and monitoring for the Chula Vista Bayfront Redevelopment
- Management of endangered and invasive species in and around San Diego Bay
- Environmental Education Program that supports K-12 education addressing watershed management, pollution prevention and natural resources connected with SD Bay

Opportunities for Collaboration

- Innovative blue technologies to support resource management goals of the department
- Invasive (or nuisance) species identification, mapping, and removal efforts
- Implement innovative nature-based solutions to a variety of shoreline conditions throughout San Diego Bay
- Improved designs for Sea Level Rise adaptation





Port of San Diego
**HARBOR
POLICE**

Mission

To provide the highest quality of public service through crime prevention, homeland security and quality of life for our communities

Current Programs and Projects

- Marine firefighting
- Maritime law enforcement and security
- Harbor critical infrastructure protection

Opportunities for Collaboration

- Technological innovations related to marine firefighting
- Technological innovations related to maritime law enforcement and security
- Technological innovations related harbor critical infrastructure protection





ENERGY AND SUSTAINABILITY

Mission

Ensuring a sustainable and resilient waterfront and seaport.

Current Programs and Projects

- Installing a solar-powered micro-grid with battery storage on the Tenth Avenue Marine Terminal (TAMT) to reduce electricity costs and ensure energy resiliency
- Demonstrating zero emission heavy-duty vehicles and equipment to move freight more sustainability
- Installed a 2nd shore power system at Cruise Terminals
- Designing a shore power system for auto carriers at National City Marine Terminals
- All electric gantry crane under construction at TAMT
- First all-electric tugboat in US will operate for the Port in May 2023
- Advancing a zero emission truck pilot

Opportunities for Collaboration

- Finding cost-effective, technological solutions for decarbonizing the maritime sector.
- Exploring renewable energy solutions in the ocean environment
- Tracking greenhouse gas emissions and reduction efforts
- Advancing zero emission trucks and charging infrastructure solutions





GENERAL SERVICES

Mission

Provide cost-effective, reliable, and responsive support services through sustainable maintenance of Port assets

Current Programs and Projects

- Incorporating environmental Best Management Practices (BMPs) into routine operations
- Incorporating advanced technology to maximize maintenance efficiencies
- Refreshing the landscaping in Port Parks and Open Spaces

Opportunities for Collaboration

- Finding cost-effective, technological solutions for reducing greenhouse gas emissions from our fleet of vehicles, vessels, and support equipment
- Identifying opportunities to support a more energy efficient and sustainable infrastructure
- Increasing efficiencies within maintenance operations via advances in technology and process improvements

