



NAVFAC SOUTHWEST

Naval Base San Diego Health Risk Public Meeting

**Nick Popaditch
Environmental Compliance Branch
Head**

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Naval Base San Diego



- **Our Mission**

To deliver the highest standard of support and quality of services to our forces and their families.

- *1,600 acres of land and 326 acres of San Diego Bay*
- *12 Piers and 43 ship berths*
- *Principal homeport for the Pacific Fleet with 59 surface ships*
- *Supports mooring for visiting U.S. Coast Guard vessels and foreign military ships.*
- *Host to over 250 tenant commands*





Shore Power

- All vessels are connected to shore power when in port at NBSD
- Emission reductions up to 98%, including 70 tons of Diesel Particulate Matter annually.





Electric Vehicle Charging Stations



- NBSD has committed over \$20 million to EV support infrastructure.
- Dual- use EV chargers have been installed, with 300+ more chargers under construction.



Fleet Modernization

- NBSD has voluntarily initiated the retirement of older diesel and gasoline vehicles and replaced them with zero-emissions (ZE) and hybrid options





Micro-grid Project

- NBSD will soon install an innovative microgrid consisting of a 300kW solar photovoltaic and battery storage system that powers the port operations building, eliminating its dependence on external power sources and providing clean green power.





Transportation Incentive Program



- NBSD has the largest military alternative transportation program on the West Coast.
- Public transportation and carpooling, including a new NBSD Shuttle Service.
- Traffic circle construction and adjusted gate operations that reduce idling emissions.





Next Steps



- NBSD will submit a Risk Reduction Audit and Plan based on the 2021 Health Risk Assessment by July 1, 2025.
- Possible risk reduction measures include:
 - Abrasive blasting shrouding and controls
 - Analyzing waste blast material
 - Improved abrasive blasting work practices



NBSD Graving Dock



Shrouding for Ship Repair Operations

BACKUP



Background

- **Shore Power (i.e., cold ironing):** All US Navy vessels that are homeported at NBSD connect to shore power, reducing emissions up to 98%, including 70 tons of Diesel PM annually.
- **Fleet Modernization:** NBSD has voluntarily initiated the retirement of older diesel and gasoline vehicles and replaced them with zero-emissions (ZE) and hybrid options when feasible.
- **Electric Vehicle (EV) Charging Stations:** In partnership with the California Energy Commission, NBSD has committed over \$20 million dollars to EV support infrastructure. Dual- use EV chargers have already been installed, with 300+ more chargers under construction.
- **Microgrid Project:** NBSD will soon begin installing an innovative microgrid consisting of a 300 kW solar photovoltaic and battery storage system that powers the port operations building, eliminating its dependence on SDG&E.
- **Transportation Incentive Program and Traffic Management:** NBSD established the largest military alternative transportation program on the West Coast, encouraging carpooling or use of public transportation for alleviating traffic congestion and improving air quality in the area. We constructed a traffic circle and adjusted gate operations to minimize idling emissions.