



THE PORT
OF LOS ANGELES LA

AMERICA'S PORT®

Air Quality Monitoring

Personal Services Agreement

Presented by:

Lisa Wunder
Acting Director of
Environmental Management

Presented to:

Board of Harbor
Commissioners

Board Item for Consideration

Staff requests approval of the following item:

- **Agreement with Leidos, Inc. and the Los Angeles Harbor Department to provide air quality monitoring services**
- **3-year term**
- **Not-to-exceed amount of \$1,811,487**







Leidos Scope of Work:

- **Data Review and Quality Assurance**
- **Reporting**
- **Public Data Requests**
- **Technical Support**













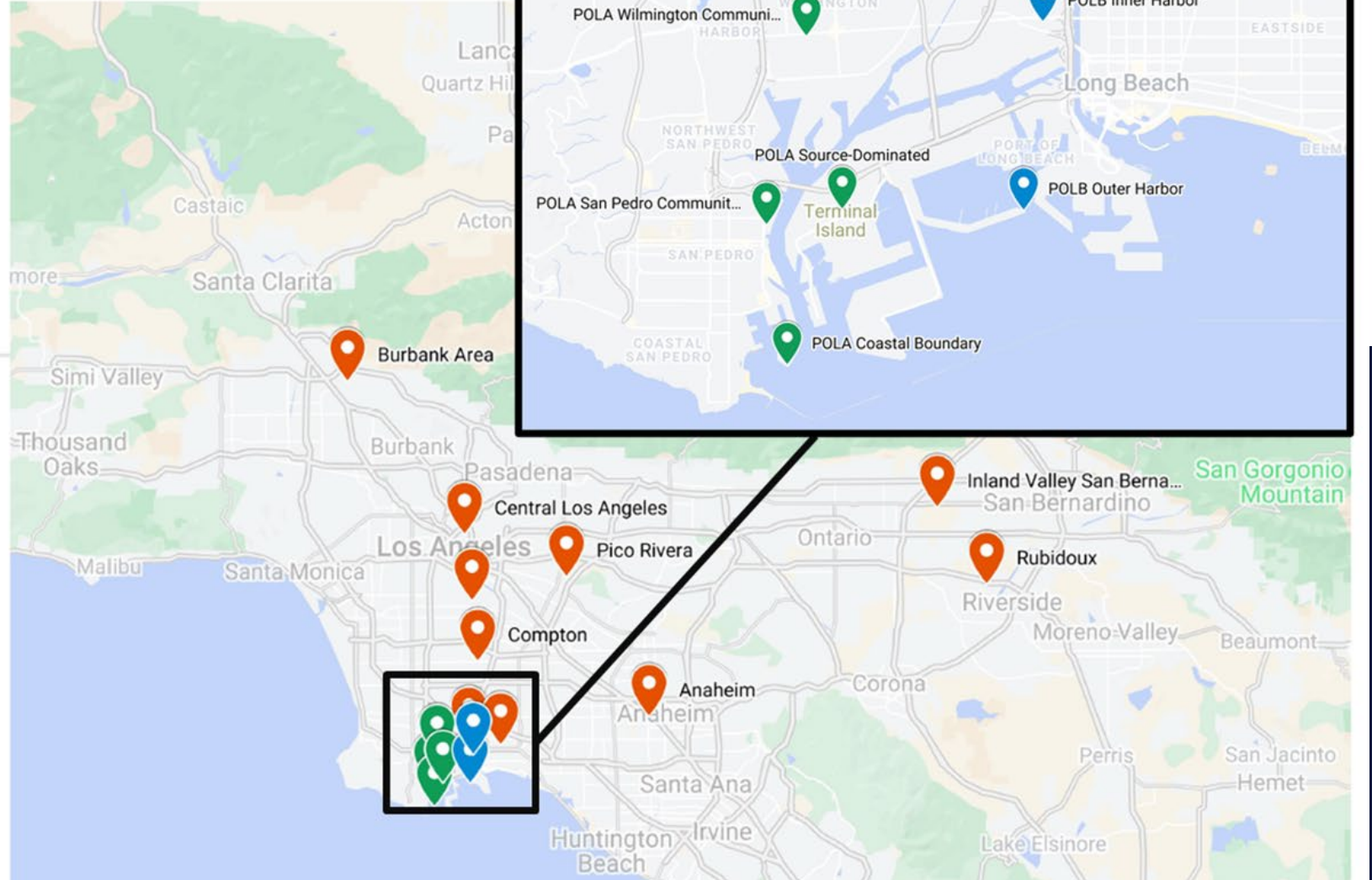
Air Monitoring Locations

SPBP AQ Monitoring Stations

-  POLA San Pedro Community
-  POLA Wilmington Community
-  POLA Coastal Boundary
-  POLA Source-Dominated
-  POLB Inner Harbor
-  POLB Outer Harbor

SCAQMD Monitoring Stations

-  West Long Beach
-  Rubidoux
-  Pico Rivera
-  Central Los Angeles
-  Long Beach
-  Huntington Park
-  Inland Valley San Bernardino
-  Compton
-  Burbank Area
-  Anaheim



Background



Criteria Pollutants

- Ozone (O_3)
- Sulfur Dioxide (SO_2)
- Carbon Monoxide (CO)
- Nitrogen Dioxide (NO_2)
- Particulate Matter < 10 micrometers (PM_{10})
- Particulate Matter < 2.5 micrometers ($PM_{2.5}$)

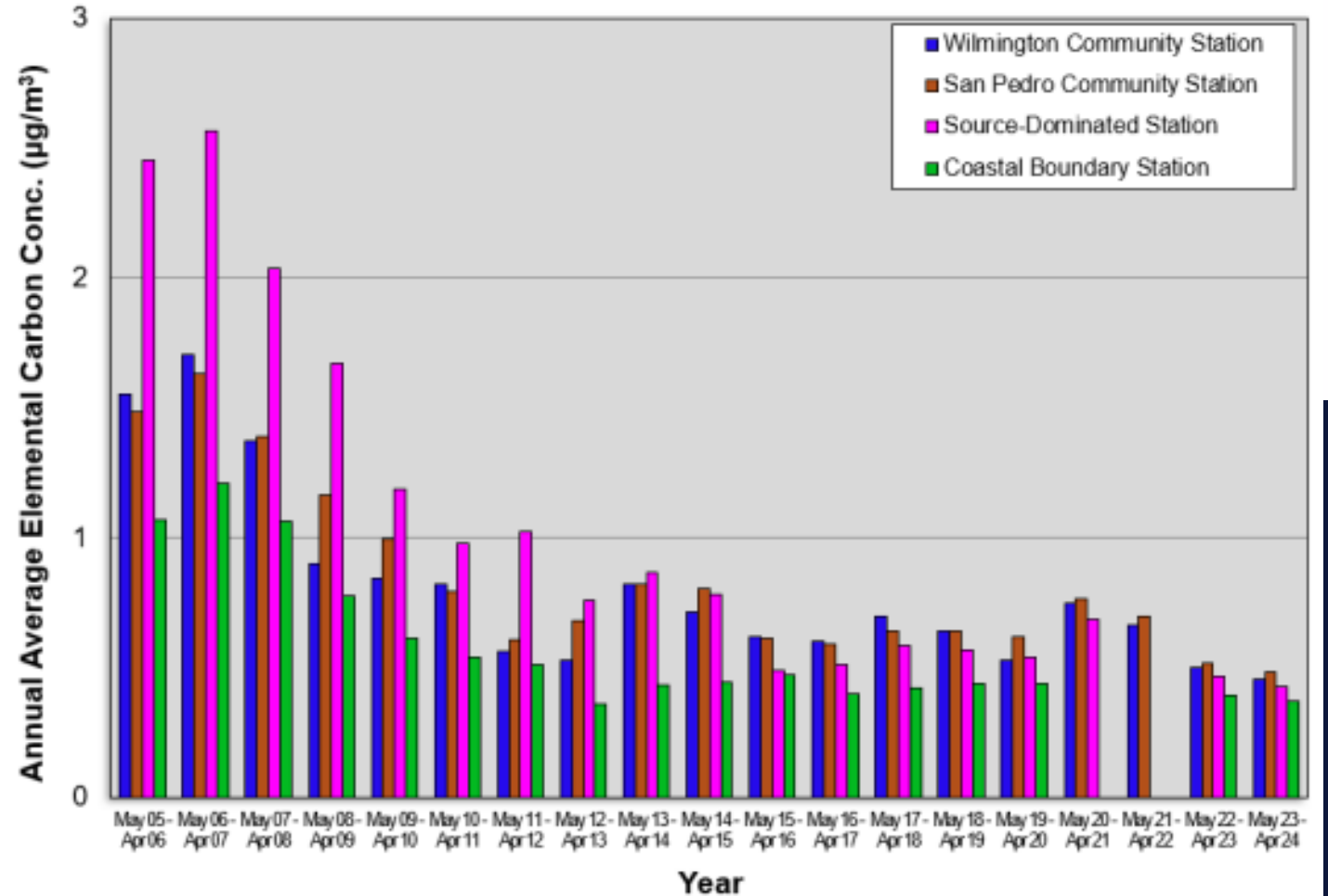
Supplemental PM

- Ultrafine Particle Counts (UFP)
- Black Carbon (BC)
- Elemental Carbon (EC)

Emission Trends

- Air Monitoring Stations allow the Port to track Elemental Carbon
- Port can track more localized sources of emissions

Figure ES-1. Annual Average Elemental Carbon Concentrations at Port of Los Angeles



Note: SFS PM_{2.5} monitoring at Coastal Boundary station suspended May 2020 - April 2022, resumed May 2022.
 SFS PM_{2.5} monitoring at Source-Dominated station suspended May 2021 - April 2022, resumed May 2022.

DPM

91%

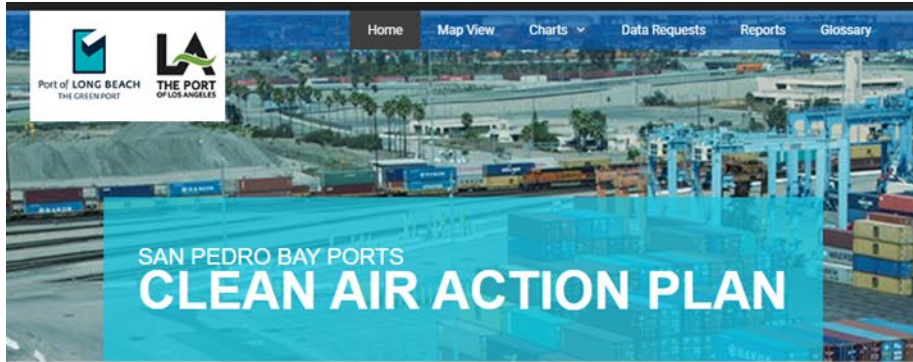
*Since 2005

EC

72%

*Since 2005

Air Monitoring Website



Air Quality Monitoring Site

Welcome to the San Pedro Bay Ports

Welcome to the San Pedro Bay Ports' real-time air quality monitoring site. The Port of Long Beach and the Port of Los Angeles each operate an air quality monitoring network which collect continuous data on ambient air quality and meteorological conditions in the San Pedro Bay region.

The monitoring stations are strategically located throughout the Ports. Within the Port of Long Beach, the monitoring stations are located at (1) the Inner Harbor area, near West Long Beach, and (2) the Outer Harbor area on the Navy Mole. The Port of Los Angeles' stations are located in (1) the Outer Harbor area at Berth 47, (2) the Terminal Island Treatment Plant (TITP), (3) within the San Pedro community near the intersection of South Harbor Boulevard and 3rd Street, and (4) within the Wilmington Community at the Sts. Peter & Paul Elementary School.

The Port of Long Beach and Port of Los Angeles monitoring programs support their joint commitment to improving air quality within the San Pedro Bay region under the Clean Air Action Plan. The environmental information collected by these programs will be used to better manage and provide feedback on the Ports' air quality improvement efforts. Each Port's monitoring stations collect real-time measurements for various air pollutants including ozone, carbon monoxide, sulfur dioxide, nitrogen dioxide, and particulate matter. The stations may also be used to collect other environmental data which can be

CURRENT DATA

Shows the last 24 hours of readings for any station and parameter.

[Read more](#)

DATA DASHBOARD

View up to 6 different charts at the same time across different stations or parameters.

[Read more](#)

YESTERDAY'S DATA

A summary of Yesterday's Air Quality Data.

[Read more](#)

DAILY HIGHS

A focus on the daily highs for any site or parameter, in either Table or Chart view.

[Read more](#)

HISTORICAL DATA

Choose any station, any parameter, and timeframe to view almost any historical data.

[Read more](#)

AQI REPORTING

View a collection of our Air Quality data in a simplified, easy to visualize format.

[Read more](#)

MAP VIEW

View the AQ monitoring stations' geographical layout on a map of the ports.

DATA REQUESTS

Receive data in CSV format for your own education and analysis.

REPORTS

Read the Annual Reports by the Air Quality Monitoring Programs at the Ports of Los Angeles and

<https://monitoring.cleanairactionplan.org>

Real-time, air quality and meteorological data made available to the public on a near-real-time basis.

Select a Station

Port of Los Angeles - San Pedro Community

Station Name: Port of Los Angeles - San Pedro Community
 Last Reading Date/Time: 2022-12-21 11:00am PDT
 Current Date/Time: 2022-12-21 01:00pm PDT

Parameter	AQI Value	AQI Description	Averaging Period	Parameter Description	Meaning
O ₃	6	Good	8 hr	Ozone	Air quality is considered satisfactory, and air pollution poses little or no risk.
PM _{2.5}	55	Moderate	24 hr	Fine Particulate Matter	Unusually sensitive people should consider reducing prolonged or heavy exertion
PM ₁₀	26	Good	24 hr	Particulate Matter	Air quality is considered satisfactory, and air pollution poses little or no risk.
NO ₂	24	Good	1 hr	Nitrogen Dioxide	Air quality is considered satisfactory, and air pollution poses little or no risk.
CO	42	Good	8 hr	Carbon Monoxide	Air quality is considered satisfactory, and air pollution poses little or no risk.

Annual Report Available at:
<https://monitoring.cleanairactionplan.org/reports/>

RFP Process

- **Date released:** June 20, 2024
- **RAMP Activity:**
 - 785 Notified
 - 27 viewed
 - 43 total downloads between POLA and POLB
- **Number of proposals:** 1
- **Review team**
 - Environmental Specialist, POLA
 - Environmental Specialist Assistant, POLB
 - Environmental Affairs Officer, LAWA
- **Recommendation**
 - Harbor Department staff recommends Leidos, Inc. to provide Air Quality Monitoring Services to the Harbor Department for the next three years, beginning on January 1, 2025





A M E R I C A ' S P O R T ®

THANK YOU



portoflosangeles.org

@PortofLA