

GREEN PORT OF THE FUTURE

HEATHER TOMLEY
ACTING MANAGING DIRECTOR
PLANNING AND ENVIRONMENTAL AFFAIRS

HYDROGEN FUEL CELLS IN PORTS & SHIPPING WORKSHOP
OCTOBER 9, 2018



PORT OF LONG BEACH 101

2nd busiest U.S. container port

\$194 billion worth of trade shipped annually

316,000 jobs created in Southern California

City of Long Beach Harbor Department

Landlord Port

SUSTAINABILITY

SOIL

WATER

GREEN PORT

POLICY

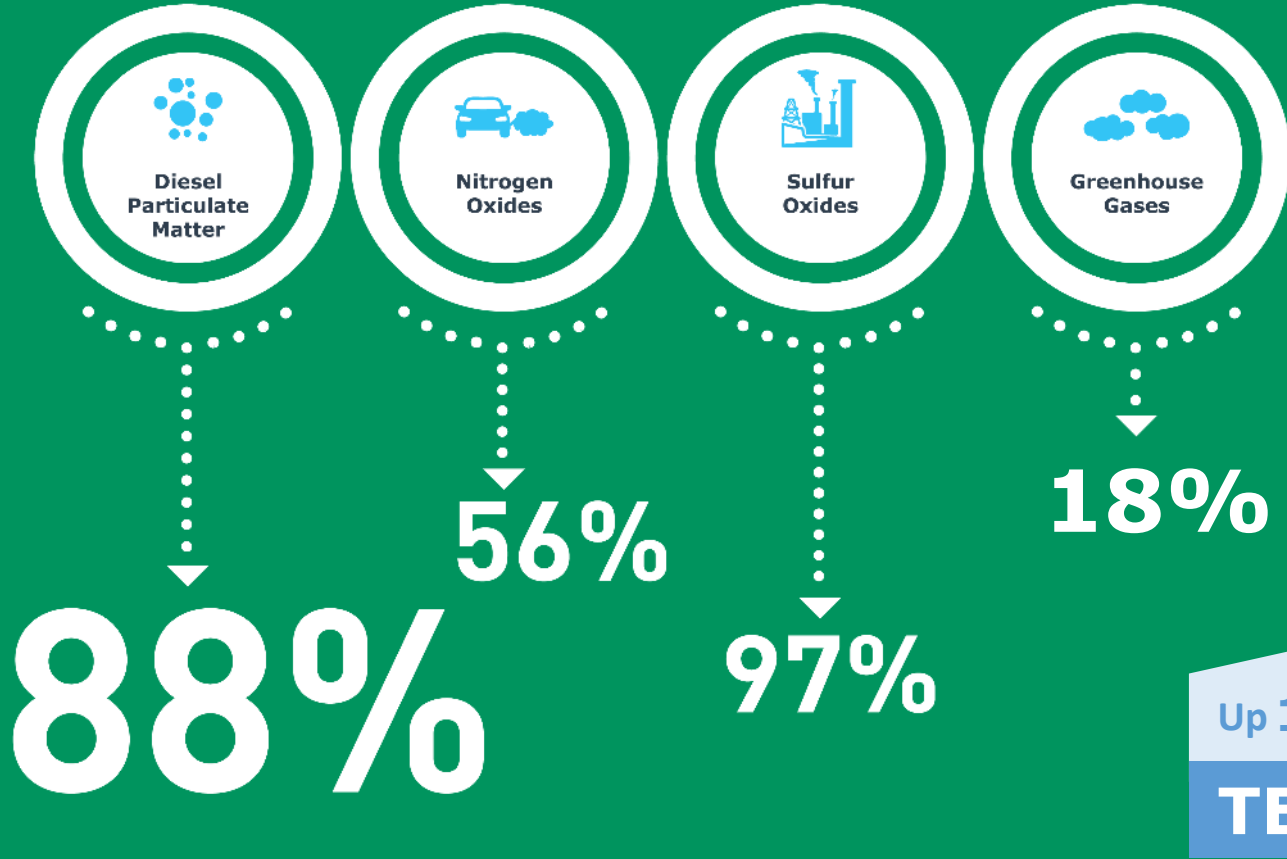
SEDIMENTS

COMMUNITY
ENGAGEMENT

AIR

WILDLIFE





*2017 EMISSIONS INVENTORY COMPARED TO 2005 LEVELS

An aerial photograph of the Port of Los Angeles and Long Beach Harbor. The image shows various piers (Pier A through Pier 100), Terminal Island, and surrounding urban areas like Wilmington, Los Angeles, and San Pedro. The text "CLEAN AIR ACTION PLAN" is overlaid in large, bold, white capital letters across the center of the image. Other labels include "Northwest Line of Long Beach Harbor District", "Northeast Line of Long Beach Harbor District", and "Port of Los Angeles".

CLEAN AIR ACTION PLAN



Greenhouse
Gases
Goal by
2030



REDUCE

40%



Greenhouse
Gases
Goal by
2050



REDUCE

80%



2030

CARGO-HANDLING EQUIPMENT

ZERO EMISSIONS

A red and a blue semi-truck are driving on a highway. The red truck is on the left, and the blue truck is on the right. The background is a bright, hazy sky. The text is overlaid on the image.

2035

ALL PORT TRUCKS

ZERO EMISSIONS

An aerial photograph of an industrial facility, possibly a refinery or chemical plant, featuring a complex network of pipes and structures. The scene is dominated by red and white colors, with a blue sky and a body of water visible in the background. The image is slightly blurred, giving it a sense of motion or depth.

'GOAL ZERO' CHALLENGES

EMERGING TECHNOLOGIES, TOUGH DUTY CYCLES,
LIMITED INFRASTRUCTURE, HIGH COSTS



'GOAL ZERO' STRENGTHS

ESTABLISHED GOALS, MORE INCENTIVE DOLLARS,
INCREASING INTEREST, PARTNERSHIPS



ON THE PATH TO ZERO

DEMONSTRATION PROJECTS, FEASIBILITY EVALUATION

THANK YOU



@PortofLB



@PortofLongBeach



@PortofLongBeach

POLB.com

www.polb.com/environment