

# Rule out pollution: CARB's At-Berth Regulation

SoCal



## **Ships are among the worst polluters in California.**

Ships are one of the worst polluters in the state, surpassing heavy duty trucks in their NOx emissions. Ship pollution contributes to an estimated 3,700 premature deaths each year in California, and port-adjacent communities, such as San Pedro, Wilmington, and West Long Beach experience up to 8 years lower life expectancy than the Los Angeles County average and the highest risk of cancer regionally.

In 2020, the California Air Resources Board (CARB) adopted an update to their regulation for ocean-going vessels (OGV) at berth to further address environmental and public health concerns from the air pollution these vessels emit while docked at ports. The new rule adds auto carriers and tankers to the list of vessels regulated, in addition to container ships, cruise ships, and refrigerated cargo ships, requiring them to plug into shore power while docked at a regulated port or terminal.

## **We need your help!**

Industry, especially the oil tankers operators, are trying to weaken or slow down the implementation of this life saving rule, which is estimated to save 237 lives.

### **What you can do**

The California Air Resources Board is hosting a public workshop on February 14th on this topic.

Please sign on to our coalition letter here. Deadline: February 13th.

Attend the CARB public workshop (virtually or in person at Riverside) in May to provide verbal comments.

## Please Support California's Clean Shipping Policies

- » Full implementation of the At Berth Regulation, without delay. CARB staff recommends full implementation of the rule, without delay, and we seek support from the community for this recommendation.
- » Adoption of a zero-emission shipping standard for OGVs by 2040. While the Regulation will deliver important health and environmental benefits from OGVs at berth, in-transit pollution is the largest portion of emissions from OGV and are not addressed in the rule. CARB must adopt a zero-emission in-transit shipping standard for all vessels calling on ports in California, requiring ships to reach 100% GHG emission reductions by 2040 to help reduce pollution at the ports, save more lives, and create green jobs.
- » Act now to set interim measures to immediately reduce toxic pollution and protect port communities. Port communities cannot afford to wait until 2040 to get air pollution relief. We urge CARB to take immediate action to regulate ships by immediately phasing out the dirtiest ships and require ships visiting a California port to run on Tier III engines by 2028.

## Health & Environmental Benefits

CARB estimates that the updated at berth policy will save 237 lives and yield \$2.31 billion in public health benefits for Californians between 2021 and 2032. And that's just with the current rule!

The regulation is projected to reduce emissions achieving the following approximate cumulative total reductions from 2021 to 2032:

- » 17,500 tons of NOx
- » 270 tons of diesel particulate matter (PM)
- » 370 tons of PM2.5
- » 356,000 metric tons of carbon dioxide equivalent (CO2e)
- » 870 tons of reactive organic gas (ROG)

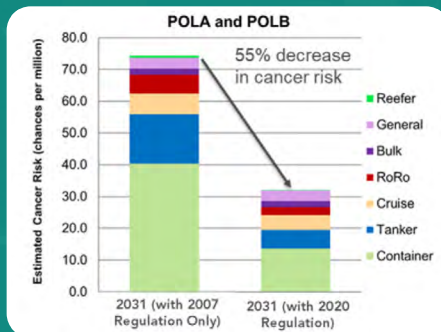
## Regulation Benefits for SoCal

Ocean-going ships are Southern California's largest source of smog-forming nitrogen oxide pollution, surpassing heavy-duty diesel trucks. The 2021 port congestion crisis should be a wakeup call to local, state, and federal officials for binding action to clean up the Ports. The Port of Long Beach saw record shipping traffic and associated toxic pollution. CO2 increased by 87% from 2020, and diesel particulate matter went up by 77% from 2020. The Port of Los Angeles was even worse, with a staggering 147% jump in diesel particulate matter and a 136% increase in greenhouse gas emissions in 2021 over the previous year.

CARB found fossil fuel pollution from 2021 cargo congestion from ships at San Pedro ports has caused:

- » An increase in NOx emissions equivalent to 5.8 million passenger cars in South Coast, and
- » An increase in particulate matter (PM) emissions equivalent to 100,000 big rig trucks (or "Class 8 diesel trucks") per day

According to CARB, emissions reductions from the regulation is estimated to **reduce potential cancer risk by 55% from OGVs** at the Port of Los Angeles and Long Beach.



Reduction in Potential Cancer Risk from At-Berth Regulation at the Ports of Los Angeles and Long Beach  
Source: California Air Resources Board