

# INDIRECT SOURCE RULES COMMUNITY WORKSHOP

Indirect Source Rules (ISR) for Rail Yards and Commercial Marine Ports

March 25, 2023 @San Bernardino Valley College
April 11, 2023 @Wilmington Senior Citizen Center
April 12, 2023 @Zoom (ID# 939 3379 5178)



1

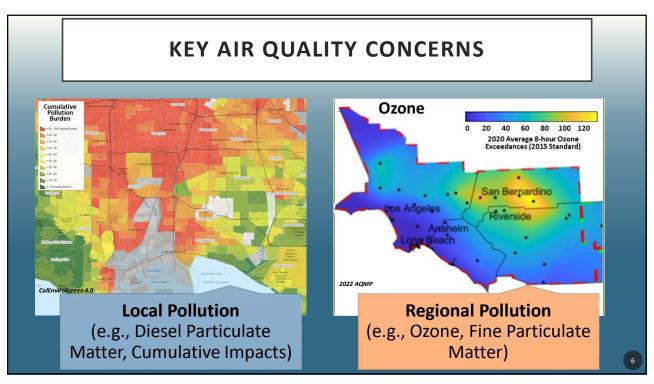
### **GOALS FOR THIS MEETING**

- South Coast AQMD staff will share data and issues related to the development of the new regulations on rail yards and ports
- We are here today to gather information from the community to inform the development of the new rail yard and port regulations
- We want to hear your perspectives





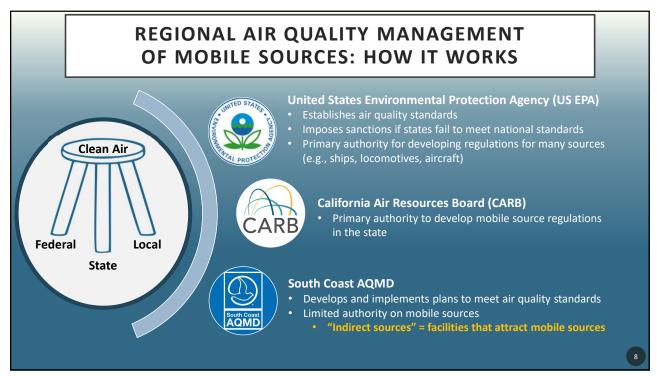






Diesel-powered vehicles used for goods movement are responsible for about half of air pollution in our region

7



# AIR QUALITY PLANS ADDRESS REGIONAL AIR QUALITY CHALLENGES

### South Coast AQMD Air Quality Management Plans

- o Blueprints for meeting federal/state air quality standards
  - Accounts for all CARB/EPA proposed regulations\* on <u>fleets</u>
     and <u>vehicle</u> manufacturers
- o AQMPs identified that additional controls are still needed
  - o Including <u>facility</u>-based measures called Indirect Source Rules (ISR's)



Key Upcoming CARB rules include: Advanced Clean Fleets, In-Use Locomotives, ZE Cargo Handling Equipment, ZE TRUs\*

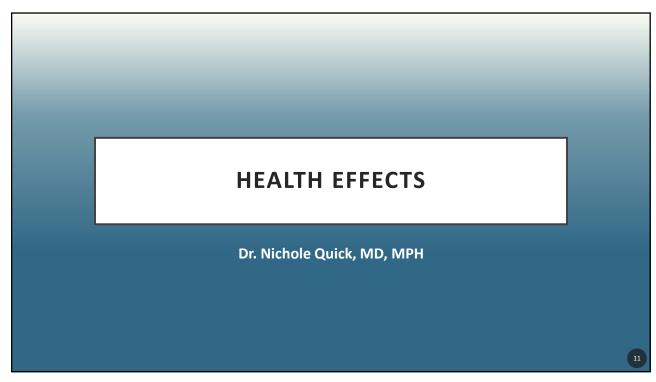
5

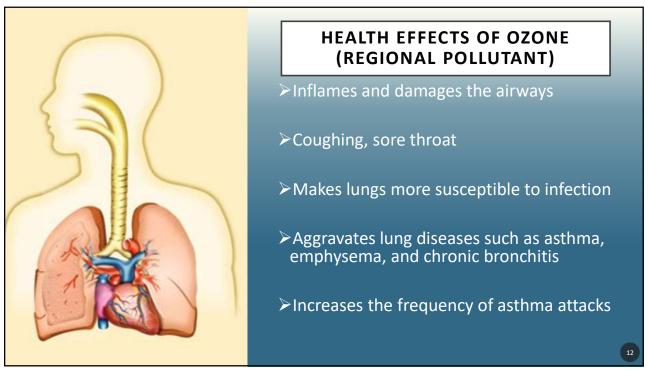
## AB 617 COMMUNITY EMISSION REDUCTION PLANS ADDRESS ENVIRONMENTAL JUSTICE CONCERNS

OAB 617 established a process for designated disadvantaged communities throughout California to shape emission reduction actions in their communities

- Community Emission Reduction Plans (CERP's)
- oPort and Railyard ISRs are included in several CERPs, due to concerns over local impacts of diesel particulate matter







# HEALTH EFFECTS OF PM (REGIONAL AND LOCAL POLLUTANT)

- ➤ Premature death in people with heart or lung disease
- ➤ Heart attacks, irregular heartbeat
- Aggravated asthma, decreased lung function
- ➤ Increased respiratory symptoms, such as irritation of the airways, coughing or difficulty breathing
- >Ultrafine (<0.1 μm): not regulated but known health effects
- ➤ Diesel particulate matter is a powerful cancer-causing air pollutant

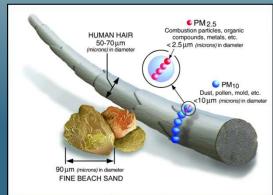


Image: www.epa.gov/pm-pollution/particulate-matter-pm-basics

13

13



# BACKGROUND FOR THE RAIL YARD AND PORT INDIRECT SOURCE RULES

15

15

# BACKGROUND OF THE RAIL YARD AND PORT INDIRECT SOURCE RULES



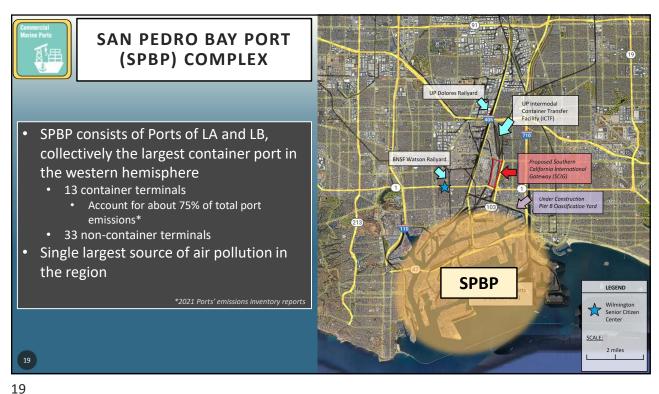
- o Proposed Rule (PR) 2306 → *new rail yards*
- $\circ$  PR 2306.1  $\rightarrow$  existing rail yards (and expansions of rail yards)
  - o PR 2306.1 rulemaking will begin after Board considers PR 2306

Commercial Marine Ports

- $\circ$  PR 2304  $\rightarrow$  Ports of Los Angeles/Long Beach
  - PR 2304 will focus on containerized cargo terminals first, with subsequent rulemaking to address non-container terminals



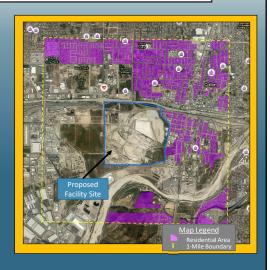






# COMMUNITIES SURROUNDING PROPOSED COLTON INTERMODAL FACILITY

- Several surrounding areas next to the facility score in the top 95<sup>th</sup> percentile for total pollution burden\*
- About 46,000 residents, one hospital, and ten schools are within a one-mile radius



\*CalEnviroScreen 4.0

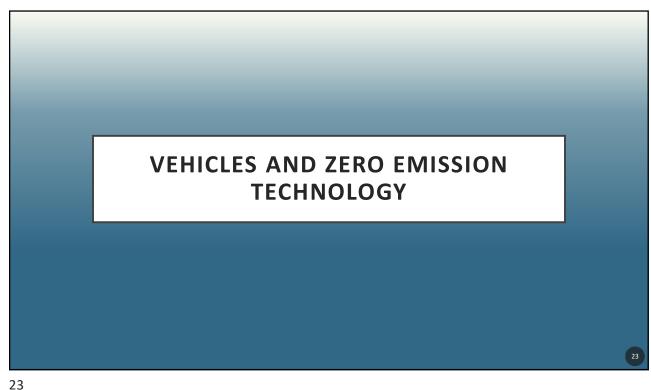
21

# COMMUNITIES SURROUNDING PROPOSED SCIG SITE

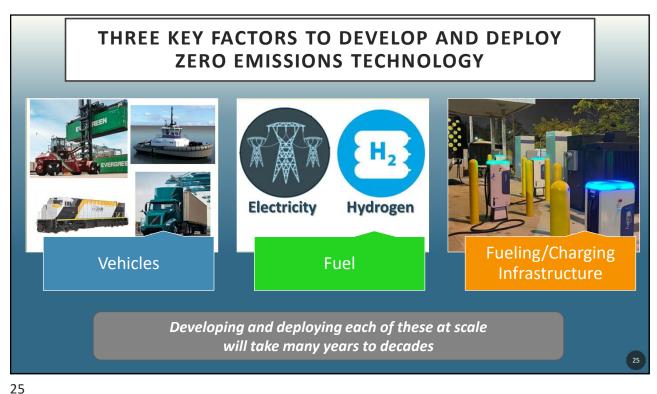
- OSeveral surrounding areas next to the facility score in the top 95<sup>th</sup> percentile for total pollution burden\*
- oAbout 50,000 residents, seven schools and a Veteran Housing Facility are within a one-mile radius



\*CalEnviroScreen 4.0







PROPOSED RULE 2306 - ISR FOR NEW **INTERMODAL RAIL YARDS** 

### PRELIMINARY RULE CONCEPTS FOR **NEW RAIL YARD ISR Annual Facility-Wide Zero Emission Infrastructure Emissions Limit** Requirement Emissions limit would decline over time Sufficient installation of zero emission Ensures benefits from CARB's infrastructure to support maximum statewide commitments in the 2022 projected onsite energy demand AOMP will be achieved in these Facilitates 100% ZE implementation for onsite in-yard operations communities Plan Submittals and Compliance Reporting Rulemaking materials, including draft rule language can be found here: http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules/rule-2306

### ALTERNATE COMPLIANCE OPTIONS VERY PRELIMINARY - UNDER DEVELOPMENT

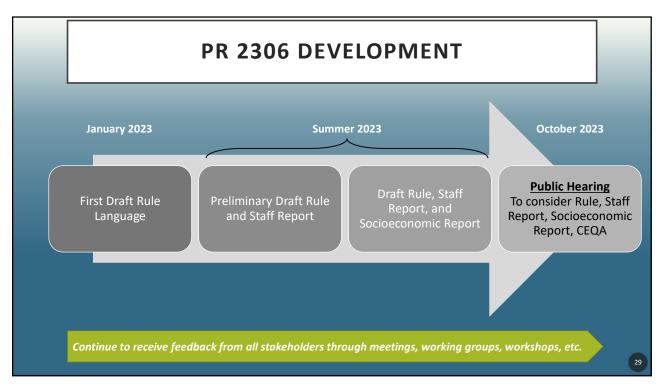
### Early and Additional Action Banking (EAAB)

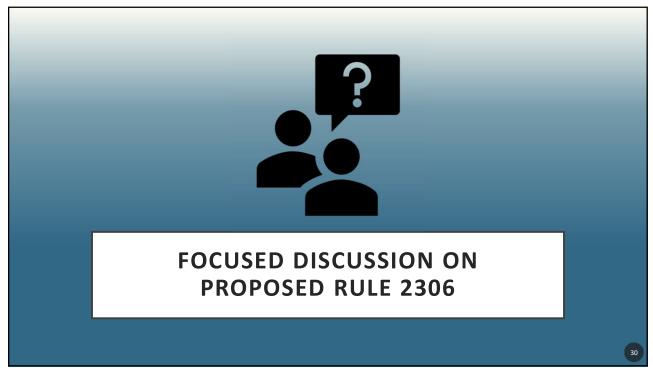
- Additional ZE infrastructure upgrades beyond rule requirements could be used as a flexibility option to partially satisfy emissions limit obligation
  - o Rule would set limits on duration and amount of EAAB
  - o Early flexibility could achieve greater emission reductions later

### Mitigation Fee

- Funds would be used on air quality improvement measures for the local community around the new rail yard
  - Process for spending mitigation fund would be developed later and would include community input

28





### **COMMUNITY ISSUES**

SOME QUESTIONS TO GET DISCUSSION STARTED:

- South Coast AQMD has the authority to establish rules for a facility like a Port or rail yard that attracts and/or uses equipment that are sources of air pollution. What air quality issues would you like the rule to focus on?
- If the rule has a mitigation fee, would you want the funds to focus exclusively on the transition to cleaner technologies at the Ports and/or rail yards, or also include other strategies to mitigate air quality impacts in community?
- Is there any other information you would like to share to help develop these rules to reduce air pollution from Ports and rail vards?

31

### STAFF CONTACTS

### Railyard and Ports Indirect Source Rules (ISR)

### PR 2306

Dylan Plautz Air Quality Specialist 909-396-2108

Dplautz@aqmd.gov

#### PR 2306

Shawn Wang **Program Supervisor** 909-396-3319

### Swang@aqmd.gov

### PR 2304

Charlene Nguyen **Program Supervisor** 909-396-2648

Cnguyen@aqmd.gov

Elaine Shen Planning and Rules Manager 909-396-2715

Eshen@aqmd.gov

Ian MacMillan Assistant Deputy Executive Officer 909-396-3244

Imacmillan@aqmd.gov

Sign up for the mailing list at: <a href="https://www.aqmd.gov/sign-up">https://www.aqmd.gov/sign-up</a> (select "Proposed Rule 2306" or "Proposed Rule 2304") Email us at: PortsISR@aqmd.gov or RailYardISR@aqmd.gov

For more information, visit: www.aqmd.gov/fbmsm

(click into "Commercial Marine Ports" or "Rail Yard and Intermodal Facilities")