



# South Coast Air Quality Management District



21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

## YOUNG LEADERS ADVISORY COUNCIL

May 26, 2022 ♦ 12:30 p.m.

Derrick Alatorre, Chair

### Advisory Council Members

Roxana Barrera  
Monica Cantoran  
José Trinidad Castañeda III  
Isis Frausto-Vicencio  
Ana Gonzalez  
Larysha Green  
Kyla Kelly  
Cassie Nguyen  
Nithya Palani

Maya Prasad  
Michael Rodriguez  
Paije Rush  
Alexandra Rae Santora  
Lizbeth Sierra  
Jack Symington  
Priya Vedula  
Janielle Vidal  
Mikayla Winfery

### ♦ PLEASE NOTE THE LOCATION CHANGE ♦

**Pursuant to AB 361, South Coast AQMD's Young Leaders Advisory Council meeting will only be conducted via video conferencing and by telephone on Thursday, May 26, 2022, 12:30 p.m. Please follow the instructions below to join the meeting remotely.**

### TELECONFERENCE LOCATION

Per AB 361, teleconference locations do not need to be disclosed nor open to the public.

### INSTRUCTIONS FOR ELECTRONIC PARTICIPATION

Join Zoom Meeting – from PC or Laptop

<https://scaqmd.zoom.us/j/93009064001>

Webinar ID: 930 0906 4001

Teleconference Dial In

+1 669 900 6833

**Audience will be allowed to participate during public comment periods.**

**Computer controls for participants:**

The following commands can be used on your computer's Zoom application during the meeting:

- ◆ Toggle mute/unmute by selecting **Mute** on the bottom-left
- ◆ Select **Participants** followed by **Raise Hand** on the right-hand side to raise hand

**Phone controls for participants:**

The following commands can be used on your phone's dial pad while in Zoom meeting:

- ◆ \*6 – Toggle mute/unmute
- ◆ \*9 – Raise hand

**AGENDA**

*Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't Code Section 54954.3(a)). If you wish to speak, raise your hand on Zoom or press Star 9 if participating by telephone. All agendas for regular meetings are posted at South Coast AQMDs Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the regular meeting. Speakers may be limited to three (3) minutes total for all items on the agenda.*

**CALL TO ORDER**

Call to Order/Opening Remarks  
(*No Motion Required*)

Derrick Alatorre  
Deputy Executive Officer,  
Legislative, Public Affairs & Media

**ACTION ITEMS (Item 1 through 2)**

1. Approval of October 20, 2021 Meeting Minutes  
(*Motion Required*)  
[Attachment 1]
2. Approval of February 16, 2022 Meeting Minutes  
(*Motion Required*)  
[Attachment 2]

Derrick Alatorre

Derrick Alatorre

**DISCUSSION ITEMS (Items 3 through 4)**

3. Update on proposed Rule 2306: Indirect Source Rule (ISR) for New Intermodal Facilities  
**(No Motion Required)**

Dylan Plautz  
AQ Specialist  
Area Sources

*Staff will provide an update on the development of Rule 2306, including the current status and next steps of the rule development process.*  
**[Attachment 3]**

4. South Coast AQMD Sponsored and High-Priority State Legislation  
**(No Motion Required)**

Denise Peralta Gailey  
Public Affairs Manager  
Legislative, Public Affairs & Media

*Staff will provide an update regarding South Coast AQMD's sponsored and high-priority State bills:*

- *AB 1749 (C. Garcia) - Community Air Protection Blueprint: community emissions reduction programs: toxic air contaminants and criteria air pollutants. (Key Support)*
- *AB 2141 (E. Garcia) - Greenhouse Gas Reduction Fund: community projects: funding. (Sponsored)*
- *AB 2836 (E. Garcia) - Carl Moyer Memorial Air Quality Standards Attainment Program: vehicle registration fees: California tire fee. (Sponsored)*
- *AB 2910 (Santiago) - Nonvehicular air pollution: civil penalties. (Sponsored)*
- *AB 2852 (Bloom) - Air pollution control districts and air quality management districts: independent special districts: funding.*

**[Attachment 4]**

**OTHER MATTERS**

5. Member Updates/Other Business

*Any member of this body, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Gov't Code Section 54954.2)*

6. Public Comment Period

At the end of the regular meeting agenda, an opportunity is provided for the public to speak on any subject within the Young Leader Advisory Council's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.

**Next Meeting Date** – Wednesday, August 17, 2022 at 12:30 p.m.

**ADJOURNMENT**

**Pursuant to SB 343**

*All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least a majority of the Council after the agenda is posted, are available by contacting Aisha Reyes at (909) 396-3074 or send the request to [areyes2@aqmd.gov](mailto:areyes2@aqmd.gov).*

**Americans with Disabilities Act and Language Accessibility**

*Disability and language-related accommodations can be requested to allow participation in the Young Leaders Advisory Council meeting. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language-related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to South Coast AQMD. Please contact Aisha Reyes at (909) 396-3074 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to [areyes2@aqmd.gov](mailto:areyes2@aqmd.gov).*



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## YOUNG LEADERS ADVISORY COUNCIL WEDNESDAY, OCTOBER 20, 2021 MEETING MINUTES

### **Members Present:**

Roxana Barrera  
José Trinidad Castañeda III  
Isis Frausto-Vicencio  
Ana Gonzales  
Larysha Green  
Kyla Kelly  
Cassie Nguyen  
Maya Prasad  
Michael Rodriguez  
Paije Rush  
Priya Vedula  
Janielle Vidal  
Mikayla Winfery

### **Members Absent:**

Monica Cantoran  
Nithya Palani  
Alexandra Rae Santora  
Lizbeth Sierra

### **South Coast AQMD Staff:**

Derrick Alatorre, Chair, DEO/Public Advisor/Legislative, Public Affairs & Media  
Daphne Hsu, Principal Deputy District Counsel/Legal  
Seungbum Ha, Program Supervisor/Science and Technology Advancement  
Lijin Sun, Program Supervisor/Planning, Rules and Development  
Aisha Reyes, Senior Administrative Assistant /Legislative, Public Affairs & Media  
Brandee Keith, Administrative Assistant I/Legislative, Public Affairs and Media

### **Call To Order**

Mr. Derrick Alatorre called the meeting to order at 12:31 p.m., and Ms. Aisha Reyes took the roll call.

Ms. Reyes stated there was one action item from the August 18, 2021 meeting:

- Schedule a presentation on Rule 2306: The Intermodal Indirect Source Rule. The presentation is scheduled for today's meeting.

**Agenda Item #1: Approval of August 18, 2021 Minutes**

Mr. Jose Trinidad Castañeda pointed out a typo in his name. Staff will make the correction.

Ms. Cassie Nguyen moved for the approval of the minutes from August 18, 2021. Ms. Roxana Barrera seconded the motion. Minutes were approved.

**Agenda Item #2: Hydrogen and Fuel Cell Presentation**

Mr. Seungbum Ha delivered a presentation on Hydrogen and Fuel Cell Technologies.

Ms. Janielle Vidal asked about the expansion of hydrogen fuel cell refueling sites in Southern California. South Coast AQMD supports two tracks to expand refueling facilities for light duty and heavy-duty vehicles. CARB has a long-term plan to expand over 100 refueling stations.

Mr. Jose Trinidad Castañeda asked which regulatory authority would advocate to prioritize the most environmentally sound fueling sources. The California Energy Commission and Air Resources Board would have the most influence over this issue.

Mr. Castañeda asked how much buy-in from city governments and/or consumers would be necessary before investment in hydrogen vehicles and infrastructure becomes competitive. Mr. Ha stated the heavy-duty fleets and the trucking industry would have most influence on adoption and further expansion.

**Agenda Item #3: Rule 2306: Indirect Source Rule for New Intermodal Facilities Presentation**

Ms. Lijin Sun delivered a presentation on Proposed Rule 2306: Indirect Source Rule for New Intermodal Facilities.

Ms. Ana Gonzales asked whether there was a timeline for the proposed rule to come before the Governing Board, so YLAC could meet ahead of the board date and draft a recommendation. Mr. Alatorre stated YLAC could be kept apprised of the status of the proposed rule.

Mr. Castañeda asked what the status is and what progress has been made in rail transport technology. Staff responded that there is a strong interest in moving toward zero-emission locomotives and the next steps would include increased commercialization of the technology and the infrastructure.

Mr. Castañeda asked which entities would be involved in promoting the infrastructure and support for the updates in technology. Staff responded that new intermodal facilities are built from the ground up provide a good opportunity to integrate new technologies into their facility.

Ms. Roxana Barrera asked how members could become involved in the processes for rule development and updates. Ms. Sun responded that members can use the contact information at the end of the presentation to sign up for the mailing list. Anyone can participate in working group meetings or can contact staff directly.

Mr. Michael Rodriguez asked why the specific facilities had been selected for focus. Staff responded that these two proposed new railyards are located in relation to communities (especially environmental justice communities) and the expected level of emissions from the proposed facilities.

Mr. Rodriguez asked how PR 2306 differs from Rule 2305, the Warehouse Indirect Source Rule. Staff responded that 2305 applies to both future and existing warehouses, where PR 2306 is focused on new intermodal facilities.

Mr. Rodriguez asked whose jurisdiction would the new facilities would fall under. Staff repounded that the proposed SCIG facility would fall under the jurisdiction of the Port of Los Angeles. The proposed Colton facility would fall under the jurisdiction of the California High-Speed Rail Authority.

#### **Agenda Item #4: Member Updates**

Mr. Castañeda has begun working in the city manager's office for the City of Irvine, and the office is currently seeking information on air quality sensors to invest in to monitor the situation with All American Asphalt. **Action Item: Staff to confer for recommendation.**

Mr. Castañeda expressed concern for the engagement and participation of members.

Ms. Janielle Vidal will be hosting a panel at the upcoming Environmental Justice Conference and encouraged members to attend.

Ms. Ana Gonzales shared that the City of Colton would be holding a meeting regarding air quality and the city's moratorium on warehouse development, invited members, and offered to share meeting information via email.

#### **Agenda Item #5: Other Business**

There was no other business.

#### **Agenda Item #6: Public Comment**

There was no public comment.

#### **Agenda Item #7: Next Meeting Date**

The next regular YLAC meeting is scheduled for Wednesday, February 16, 2022 at 12:30 p.m.

#### **Adjournment**

Mr. Derrick Alatorre adjourned the meeting at 1:57 p.m.



South Coast  
AQMD

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## YOUNG LEADERS ADVISORY COUNCIL WEDNESDAY, FEBRUARY 16, 2021 MEETING MINUTES

### **Members Present:**

Roxana Barrera  
José Trinidad Castañeda III  
Ana Gonzales  
Kyla Kelly  
Cassie Nguyen  
Nithya Palani  
Michael Rodriguez  
Jack Symington  
Priya Vedula  
Mikayla Winfery

### **Members Absent:**

Monica Cantoran  
Isis Frausto-Vicencio  
Larysha Green  
Maya Prasad  
Paije Rush  
Lizbeth Sierra  
Janielle Vidal

### **South Coast AQMD Staff:**

Derrick Alatorre, Chair, DEO/Legislative, Public Affairs & Media  
Daphne Hsu, Principal Deputy District Counsel/Legal  
Frances Maes, Staff Specialist/Science and Technology Advancement  
Daniel Wong, Senior Public Affairs Specialist/ Legislative, Public Affairs & Media  
Aisha Reyes, Senior Administrative Assistant /Legislative, Public Affairs & Media  
Brandee Keith, Administrative Assistant I/Legislative, Public Affairs and Media

### **Call To Order**

Mr. Derrick Alatorre called the meeting to order at 12:33 p.m., and Ms. Aisha Reyes took the roll call.



**Agenda Item #1: Approval of August 18, 2021 Minutes**

Not voted on due to an error in the listed item.

**Agenda Item #2: Adoption of YLAC Goals and Objectives for 2022**

Mr. Jose Trinidad Castañeda moved to approve the adoption of the Goals and Objectives. Mr. Michael Rodriguez seconded the motion. YLAC Goals and Objectives for 2022 were approved.

**Agenda Item #4: Update on Assembly Bill AB 617 for 2021**

Mr. Daniel Wong presented an update on AB 617.

Mr. Jose Trinidad Castañeda inquired whether new upcoming legislation would impact AB 617 program implementation. Derrick Alatorre responded if the CERP and CAMP documents have already been approved, new legislation would not impact program goals, with possible exceptions.

Ms. Kyla Kelly asked about implementation of air monitoring equipment and what pollutants were being measured. Daniel Wong responded that low-cost PurpleAir sensors have been deployed in the communities to volunteers. Kelly Gamino stated each community has a dedicated web page for updates on pollutants measured and air quality conditions.

Mr. Michael Rodriguez asked how the monitoring data is made available to members of the community and what would be done with that data. Daniel Wong responded South Coast AQMD monitoring teams are preparing monitoring dashboards to carry and report comprehensive data. Mr. Rodriguez asked what the difference is between the various monitoring and reporting tools used by South Coast AQMD and CARB. Daniel Wong stated that CARB tools monitor and report on communities throughout the state, while South Coast AQMD has only six of the fifteen communities within its jurisdiction. Plans for future updates will ideally bring the different tools into communication with each other for more comprehensive results.

**Agenda Item #3: Technology Advancement Projects Presentation**

Ms. Frances Maes delivered an update on Technology Advancement projects.

Mr. Jack Symington asked if there is room within the programs to elevate the importance of eliminating greenhouse gasses. Frances Maes responded due to state reduction guidelines, certain programs are focused on criteria pollutants, while other programs are in development to focus on reducing greenhouse gas emissions.

**Agenda Item #5: Member Updates**

Mr. Jose Trinidad Castañeda announced the cities of Irvine, Fullerton, Buena Park, and Huntington Beach recently voted to transition to 100% renewable energy through Orange County Power Authority. He also shared that SoCal Edison broke ground on a research hub for electric truck technologies.

Ms. Roxana Barrera requested a presentation updating the council on the intermodal facilities ISR. **ACTION ITEM: Staff to look into the current status and potential for future presentation on the ISR.**

Mr. Castañeda requested a presentation and update on the All American Asphalt facility in Irvine. **ACTION ITEM: Staff to determine whether a presentation is appropriate as information is available on the South Coast AQMD website.**

Mr. Michael Rodriguez requested recommendations for speakers to invite to speak before the UC Riverside Graduate Student Association for which he is president. **ACTION ITEM: Staff to share Mr. Rodriguez's email with council members.**

**Agenda Item #6: Public Comment**

There was no public comment.

**Agenda Item #7: Next Meeting Date**

The next regular YLAC meeting is scheduled for Wednesday, May 26, 2022 at 12:30 p.m.

**Adjournment**

Mr. Derrick Alatorre adjourned the meeting at 1:29 p.m.

# **Update on Proposed Rule 2306**

## **Indirect Source Rule for New Intermodal Facilities**

Presentation to the Young  
Leaders Advisory Council

05/18/2022  
South Coast AQMD



# AGENDA

Background

Health Effects Related to Railyard Emissions

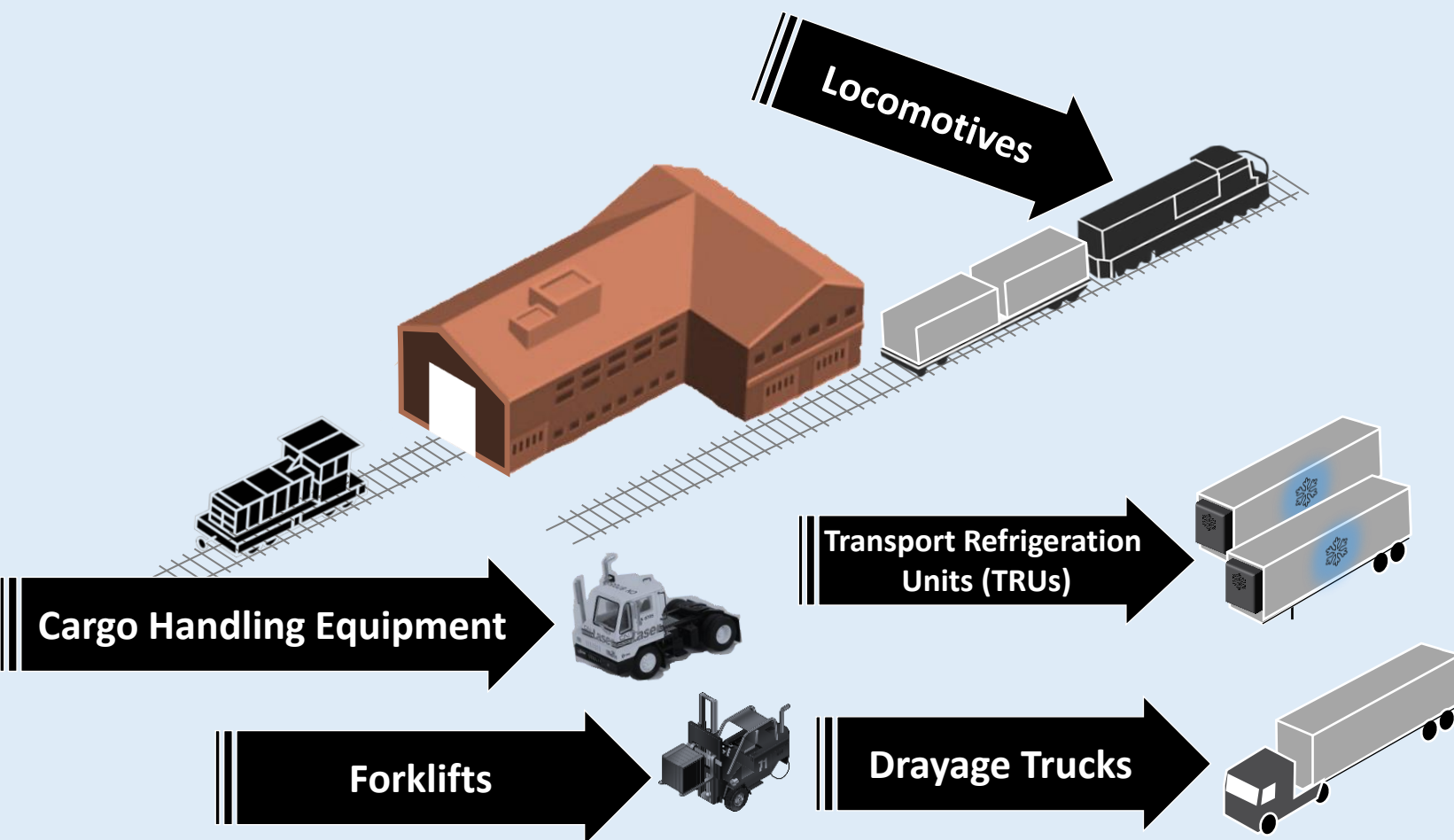
Overview of Proposed Rule 2306

Rule Objectives and Development Process

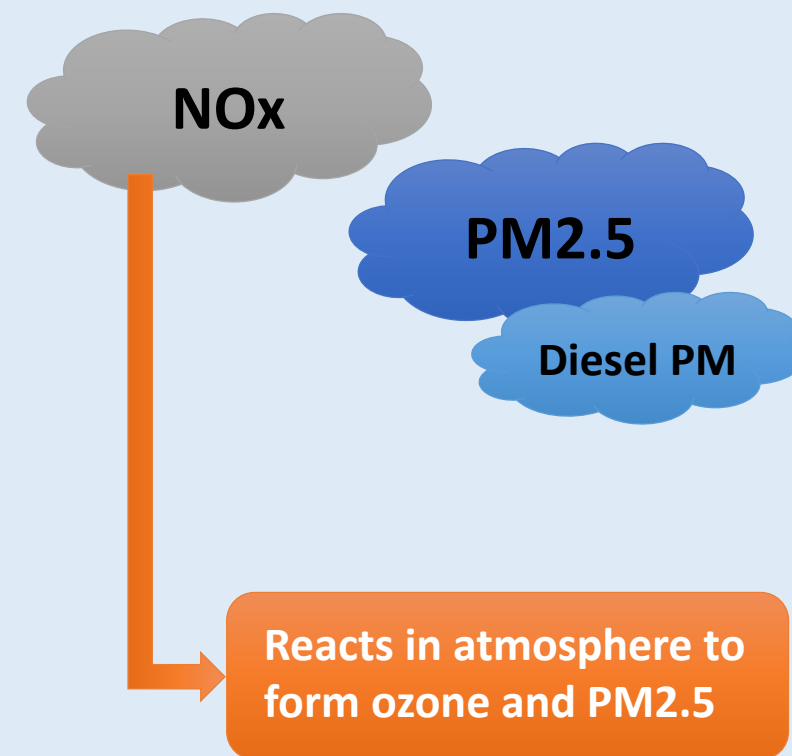
Staff Contacts

# Background

## Key Rail Yard Emission Sources



## Key Pollutants Directly Emitted from Rail Yard Sources





# Health Effects of Ozone and PM Pollution

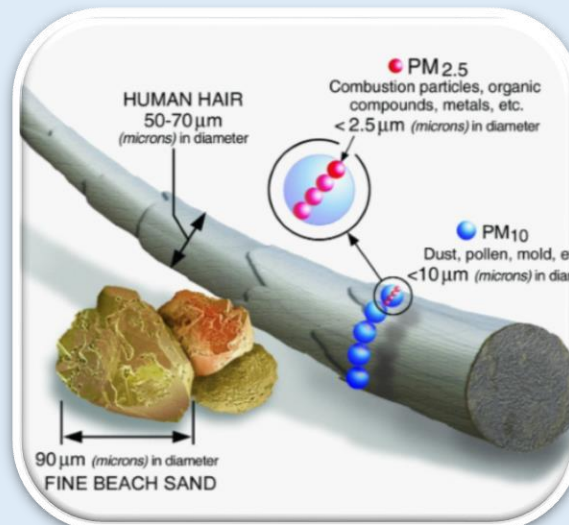
## As an overview, criteria pollutants are:

- Ozone
- Carbon Monoxide (CO)
- Sulfur Dioxide (SO<sub>x</sub>)
- Particulate Matter (PM)
- Nitrogen Dioxide (NO<sub>x</sub>)
- Lead



### Ozone

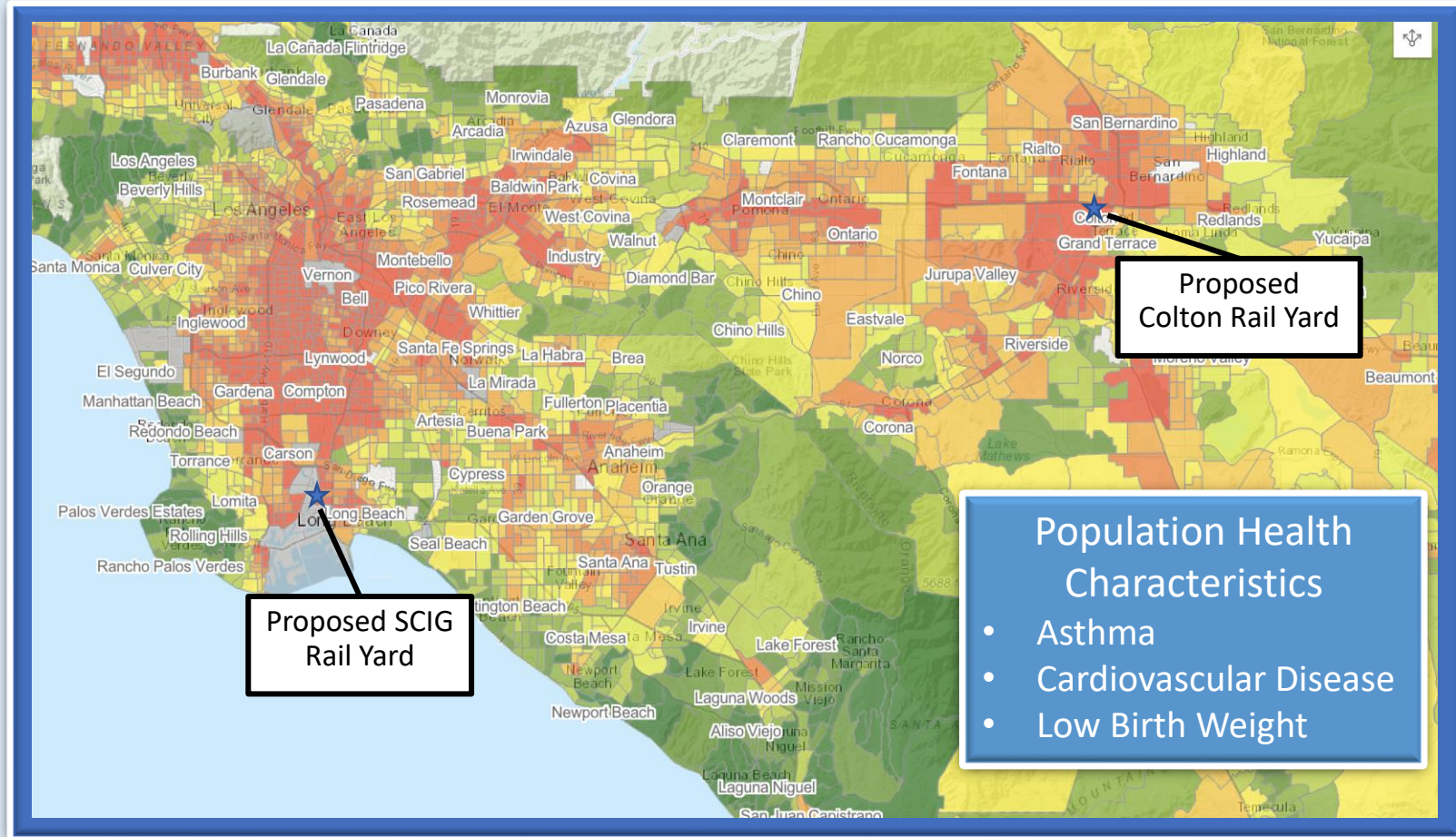
- Inflames and damages the airways
- Coughing, sore throat
- Makes lungs more susceptible to infection
- Aggravates lung diseases such as asthma, emphysema, and chronic bronchitis
- Increases the frequency of asthma attacks



### Particulate Matter (PM)

- Increased chance of premature death in people with heart or lung disease
- Increase in heart attacks, irregular heartbeat
- Increased aggravated asthma, decreased lung function
- Increased respiratory symptoms, such as irritation of the airways, coughing or difficulty breathing
- Diesel PM is a highly potent carcinogen

# Proposed New Intermodal Facilities Sited in EJ Communities



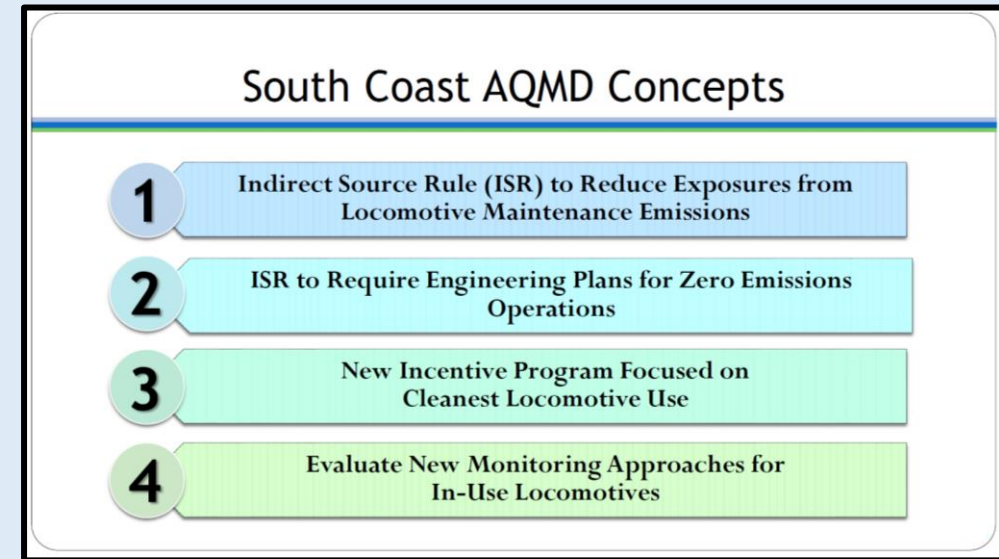
CalEnviroScreen: Mapping tool that helps identify California communities that are most affected by many sources of pollution

- Uses environmental, health, and socioeconomic information to assign scores for every census tract in the state
- An area with a high score is one that is more disproportionately impacted by pollution



# Rulemaking Approach

- Previously proposed approach for this control measure considered existing rail yards only
  - No newly proposed railyards were under consideration at the time
- April 2020 Board update laid out a preliminary approach for existing rail yards
- BNSF proposed 2 new rail yards in 2021\*
- Pivot in rulemaking approach reflects current conditions
  - Bifurcated rulemaking (new and existing)
  - Need to move quickly for new railyards to establish requirements before projects approved
  - Four working group meetings held since July 2021



*Preliminary concepts from 04/2020 Board Meeting*

\*SCIG railyard was previously proposed, but had been considered an inactive proposal after a court determined that Port of LA's CEQA document for the project was deficient.



# Regulation of Emission Sources for Rail Yards

New intermodal facilities have the potential to contribute substantial NOx emissions to areas nearby



## Locomotives

**US EPA & CARB**

Switchers and Line-Haul  
Locomotives



## Cargo Handling Equipment

**US EPA & CARB**

Yard Trucks, Gantry Cranes,  
Top/Side Picks, Forklifts, etc.



## Drayage Trucks

**US EPA & CARB**

Heavy-duty trucks in the  
Drayage Truck Registry



## Transportation Refrigeration Unit

**US EPA & CARB**

Trailer and Railcar TRUs

**South Coast AQMD Indirect Source Authority**

# Role of ISR for New Intermodal Rail Yards

- Reduce emissions from railyard sources to assist in meeting air quality standards
- Reduce air quality impacts to communities near new railyards disproportionately impacted by existing environmental burdens



# Two New Proposed Intermodal Facilities in the South Coast Air Basin

Colton  
Intermodal  
Facility

(SCIG)  
Southern  
California  
International  
Gateway

Unique opportunity for ISR to ensure new intermodal facilities:

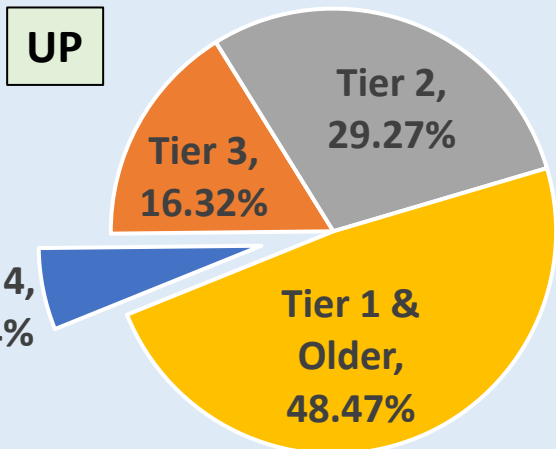
Implement  
cleanest  
technologies  
feasible

Incorporate  
infrastructure to  
support ZE  
technologies

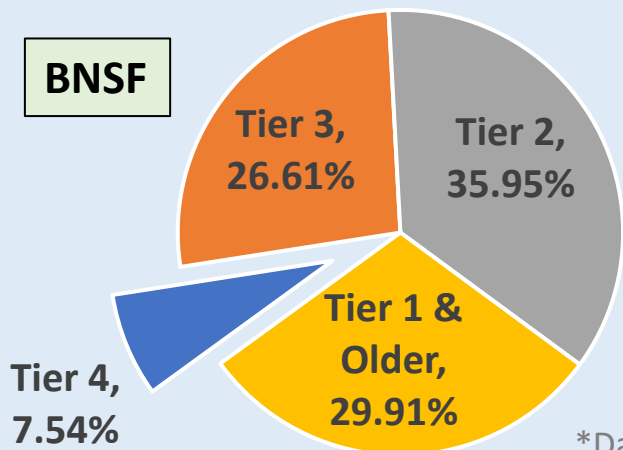
Include  
measures that  
aim to reduce air  
quality and  
public health  
impacts

Address  
community air  
quality priorities  
identified in  
AB 617 CERPs

# Bridge Emissions Today with Future Commitments



**% MW-hrs. by EPA Engine Tier**



## Railroads Stated SHORT TERM GOALS

- UP to purchase a total of 20 battery-electric locomotives from Wabtec and Progress Rail
- UP to begin phasing in use of biodiesel and renewable diesel fuel
- BNSF pursuing battery-electric and hydrogen fuel cell tech demos

## Railroad Stated LONG TERM GOALS

- UP Climate Action Plan to achieve net zero by 2050
- BNSF committed to 30% GHG emissions reductions by 2030

UP Locomotive Fleet – 8,205 total; 4,602 operating within the District  
BNSF Locomotive Fleet – 8,000 total; 4,927 operating within the District

# Next Steps



Continued Rule Concept Development



Visits to New Rail Yard Sites and Local Communities



Working Groups Meetings,  
Stakeholder Meetings and Other  
Public Engagement Activities



Updates to Mobile Source Committee

# Staff Contacts

## Proposed Rule 2306

Dylan Plautz  
Air Quality Specialist  
909-396-2108  
[Dplautz@aqmd.gov](mailto:Dplautz@aqmd.gov)

Elaine Shen  
Planning and Rules Manager  
909-396-2715  
[Eshen@aqmd.gov](mailto:Eshen@aqmd.gov)

Ian MacMillan  
Assistant Deputy Executive Officer  
909-396-3244  
[Imacmillan@aqmd.gov](mailto:Imacmillan@aqmd.gov)

Sign up for the mailing list at: <https://www.aqmd.gov/sign-up> (select “Proposed Rule 2306”)  
For more information, visit: [www.aqmd.gov/fbmsm](http://www.aqmd.gov/fbmsm) (click into “Railyard & Intermodal Facilities”)





# South Coast AQMD 2022 Sponsored and High-Priority State Legislation

LPAM

# Key Support Bill

**AB 1749 (C. Garcia)** Community Air Protection Blueprint: community emissions reduction programs: toxic air contaminants and criteria air pollutants.

- Updates requirements of AB 617 Program to:
  - permit an additional year for completion of community emissions reduction programs (CERPs);
  - requires CARB to identify specified emissions reduction measures; and
  - makes changes to reporting by local air districts.



# Sponsored Bills

**AB 2141 (E. Garcia)** - Greenhouse Gas Reduction Fund: community projects: funding.

- Continuously appropriates 20% of annual proceeds of Greenhouse Gas Reduction Fund, up to \$600 million, to CARB for allocation to air districts for supporting community emissions reduction strategies in, and reimbursement for participation by AB 617 communities.

# Sponsored Bills

**AB 2836 (E. Garcia)** – Carl Moyer Memorial Air Quality Standards Attainment Program: vehicle registration fees: California tire fee.

- Extends various fees that support Carl Moyer Memorial Air Quality Standards Attainment Program incentive funding for clean technology, for nine years, starting January 1, 2024 until December 31, 2033.

LPAM

# Sponsored Bills

**AB 2910 (Santiago)** – Nonvehicular air pollution: civil penalties.

- Increases maximum civil penalties for air pollution violations, including tripling the penalty caps for strict liability.

# Sponsored Bills

**AB 2852 (Bloom)** – Air pollution control districts and air quality management districts: independent special districts: funding.

- Designates an air district as an independent special district for purposes of receiving state and federal funds.





# Questions?

LPAM