



Proposed Rule 2306 – Freight Rail Yards

Virtual Community Workshop

06/05/2024
6:00 pm (PST)

Join Zoom Webinar Meeting - from PC or Laptop
<https://scaqmd.zoom.us/j/99824774155>

Teleconference Dial In: +1 669 900 6833
Zoom Webinar ID: 998 2477 4155

Zoom Meeting ID (*Spanish*): 963 4776 6450

Agenda

Background

PR 2306 Rule Development

PR 2306 Key Rule Components

Next Steps and Staff Contacts



BACKGROUND



South Coast AQMD

- Based on population, our region would be the 5th largest state in the nation



Los Angeles San Bernardino
Orange Riverside

17 Million People



28,000 permitted sources

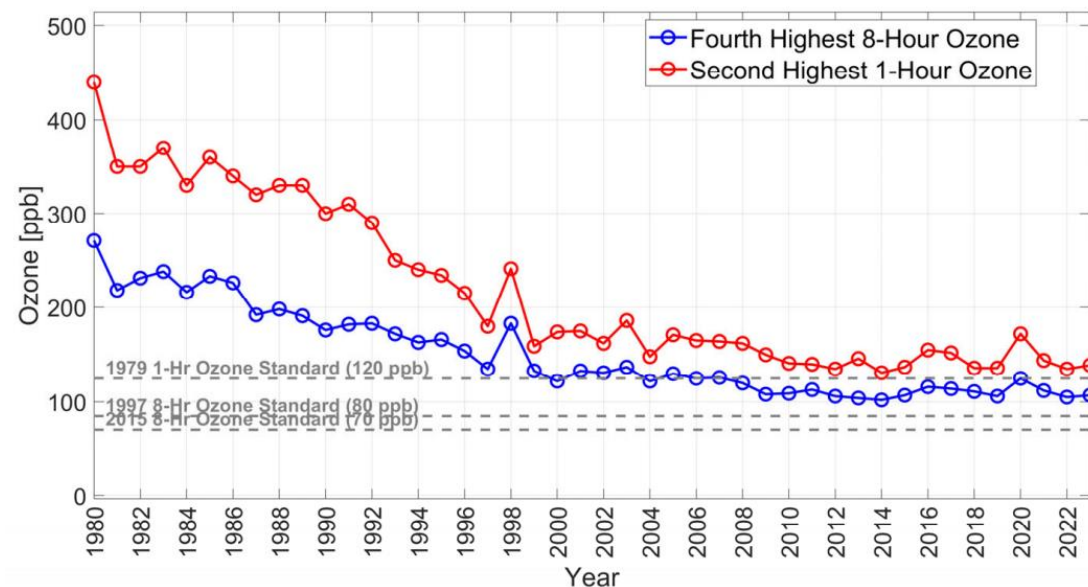


67% of CA EJ population lives in South Coast



About 30% of all U.S. containerized cargo

Air Quality



- Air quality has improved dramatically in South Coast AQMD over past several decades
- Local air quality is still among worst in nation
 - Ozone, particulate matter
 - Federal Clean Air Act requires we meet air quality standards or the region will face sanctions
- Goods movement sources make up about half of all smog-forming emissions in our region



Reducing Air Pollution

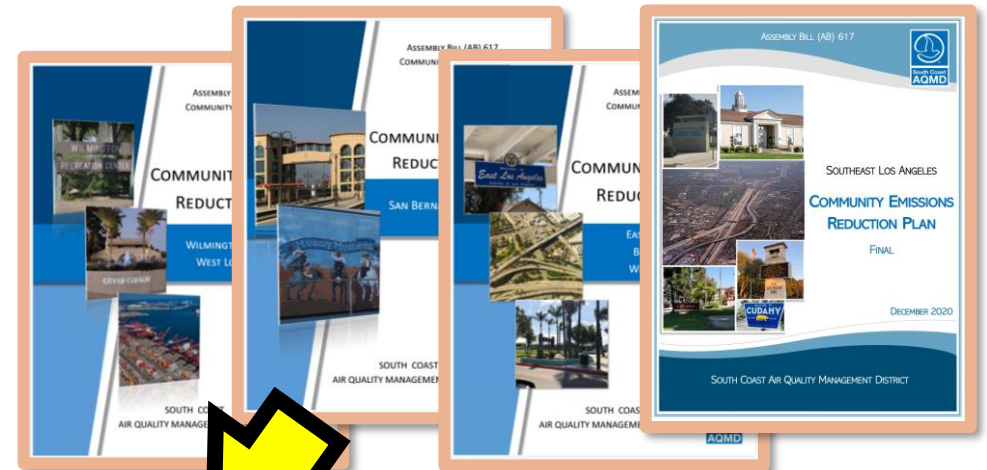
Regional:

Air Quality Management Plans



Local:

AB 617 Community Emissions Reduction Plans



Facility Based Measures Addressing Freight Emissions from Goods Movement

Warehouses

Marine Ports

Rail Yards

Mobile Emission Sources at Rail Yards



Locomotives

- Line Haul
 - Switchers
- Includes maintenance and testing areas



Cargo Handling Equipment (CHE)

- Examples:
- Rubber-Tired Gantry Cranes
 - Yard Hostlers

Drayage Trucks



Transport Refrigeration Units (TRUs)

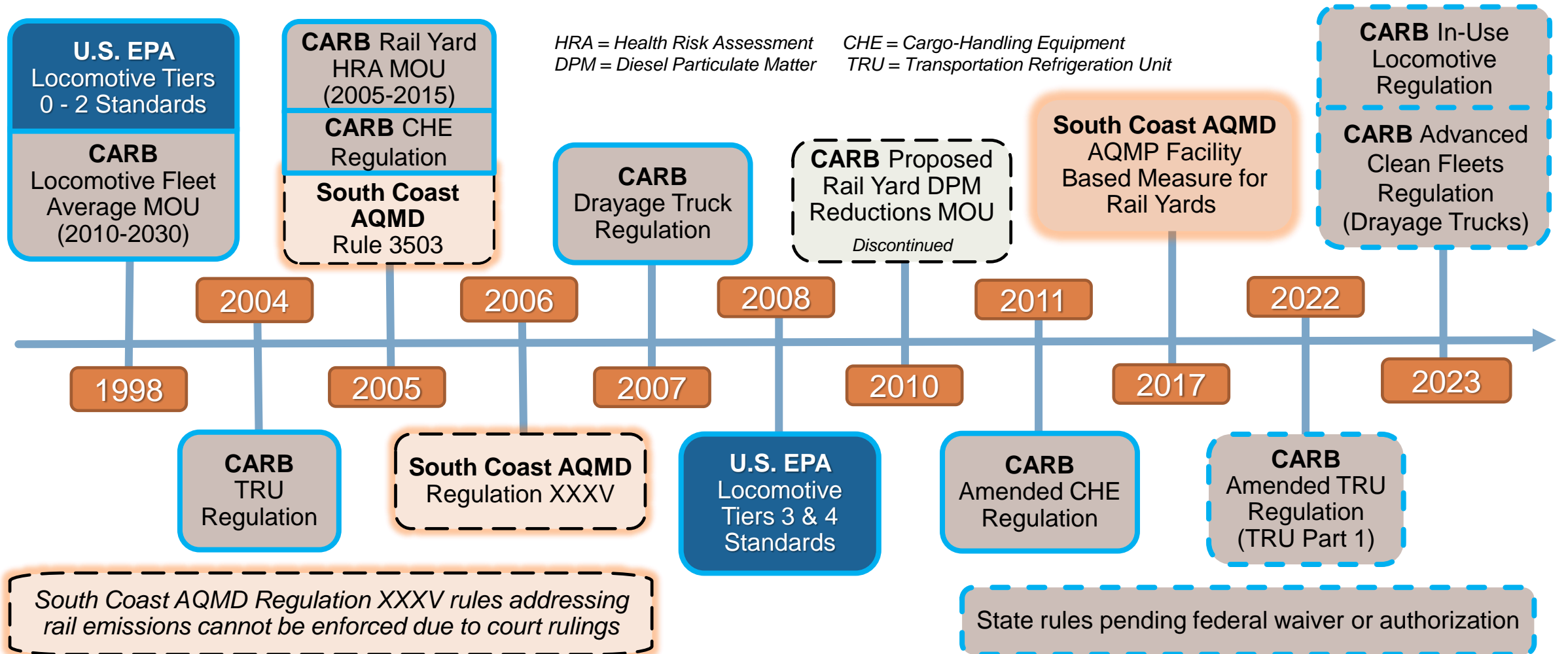


Others

- Examples:
- Rail car movers
 - Operational support equipment



History of Reducing Rail Yard Emissions



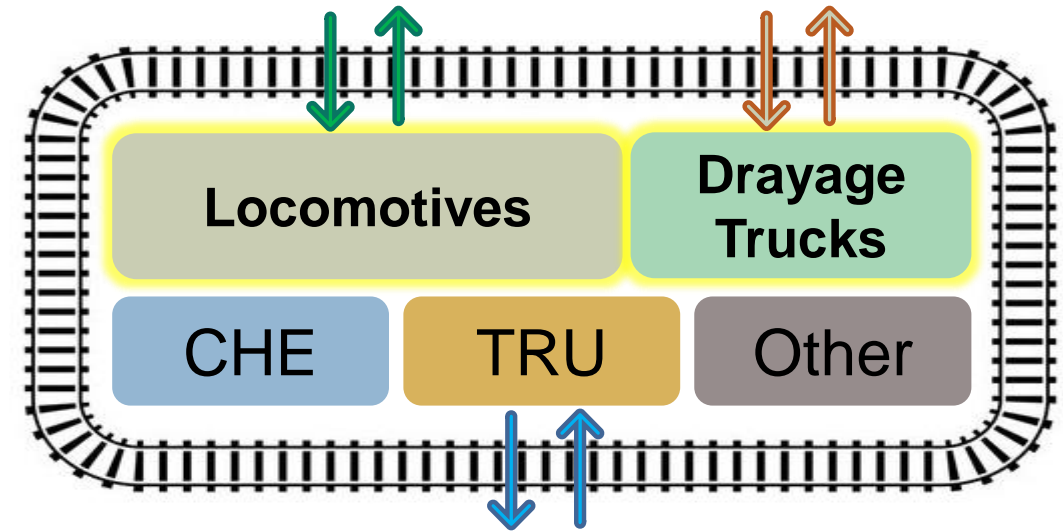


PR 2306 RULE DEVELOPMENT



PR 2306 Addresses Freight Rail Yard Emissions

- PR 2306 is designed to reduce NOx emissions from mobile sources attracted to freight rail yards
- CARB's recent regulations address locomotive and drayage truck emissions but will not necessarily result in proportional reductions in the South Coast AQMD region
- PR 2306 ensures that emission reductions from CARB regulations occur in South Coast AQMD communities



PR 2306 implements one of the Facility Based Measures to address freight emissions

Public Process

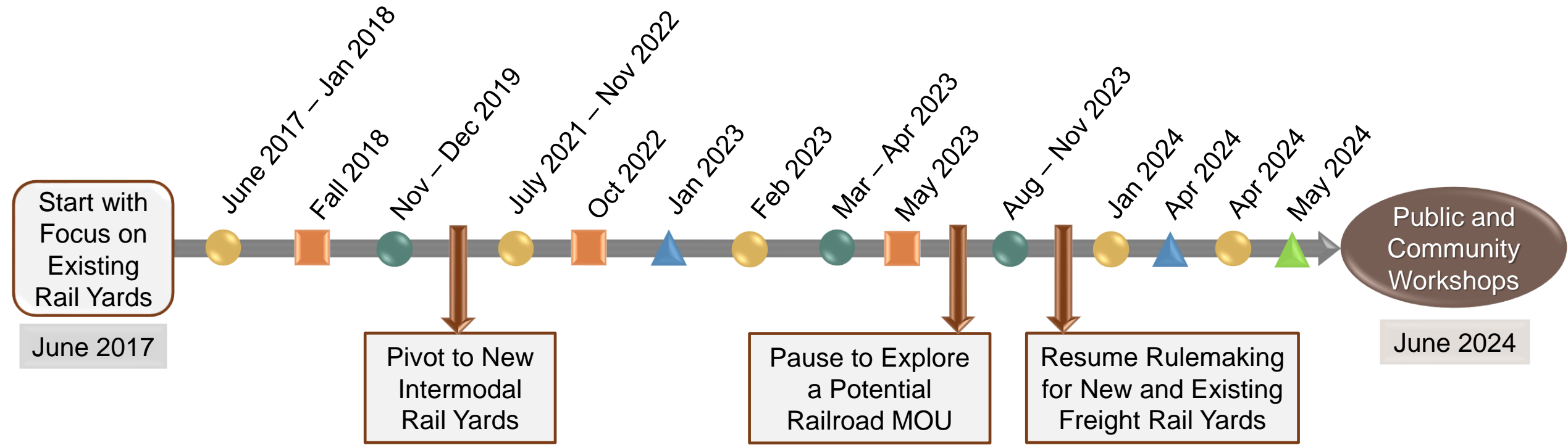


Chart Legend

- Working Group Meetings
- Community Workshops and Meetings
- South Coast AQMD Staff's Visit to Facility Sites
- ▲ Release of Initial Preliminary Draft Rule Language
- ▲ Release of Preliminary Draft of Rule Documents

Feedback from Public Process

Key Takeaways from Community Feedback

Informing
PR 2306
Development

Reduce health risk and emissions from rail operations in EJ communities

Regulate new and existing freight rail yards

Oppose MOU* and mechanisms such as crediting, banking, and trading

Facilitate multi-party coordination for ZE infrastructure development

Expedite deployment of ZE technologies

Report to the public on facility emissions and air quality impacts

Avoid mitigation fee as a compliance option; if collected, only use revenue to directly benefit impacted communities

Advocate with agencies making land use decisions

* MOU = Memorandum of Understanding

Overview of PR 2306

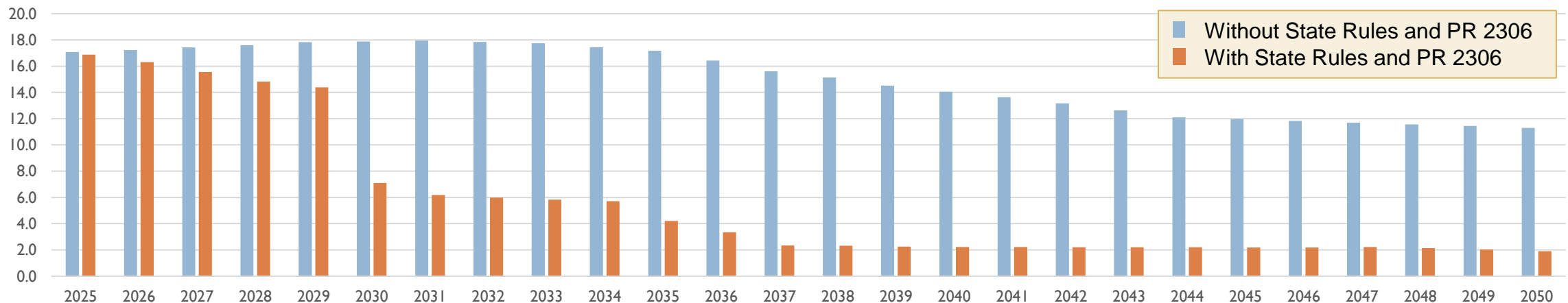
Reduce NOx Emissions Associated with New and Existing Freight Rail Yards

- Ensure proportional or greater ***NOx reductions*** at facility-level and in our region relative to reductions throughout California from implementation of recent statewide regulations
- Require ***reporting and demonstration*** of facility NOx reductions from mobile sources attracted to freight rail yards and engaged in freight transportation
- Allow flexibility in achieving emission reductions
 - No mitigation fee or market trading options
- Regular reporting on the planning, development, and use of ***zero emission infrastructure***
 - Freight rail yard must request grid upgrade by local electrical utilities shortly after such a need is identified
- State/local agency responsibility
- Effective upon federal approval

Emission Reductions and Health Benefits

- Over **9 tons per day of NOx reductions** projected between 2025 - 2050 from implementation of PR 2306, in conjunction with CARB's In-Use Locomotive and Advanced Clean Fleets regulations
 - **~275 premature deaths** avoided per year*
 - **~1,940 emergency department visits and hospital admissions** avoided per year*

Anticipated Annual NOx Emissions in South Coast Air Basin
(tons per day)



* Preliminary estimates

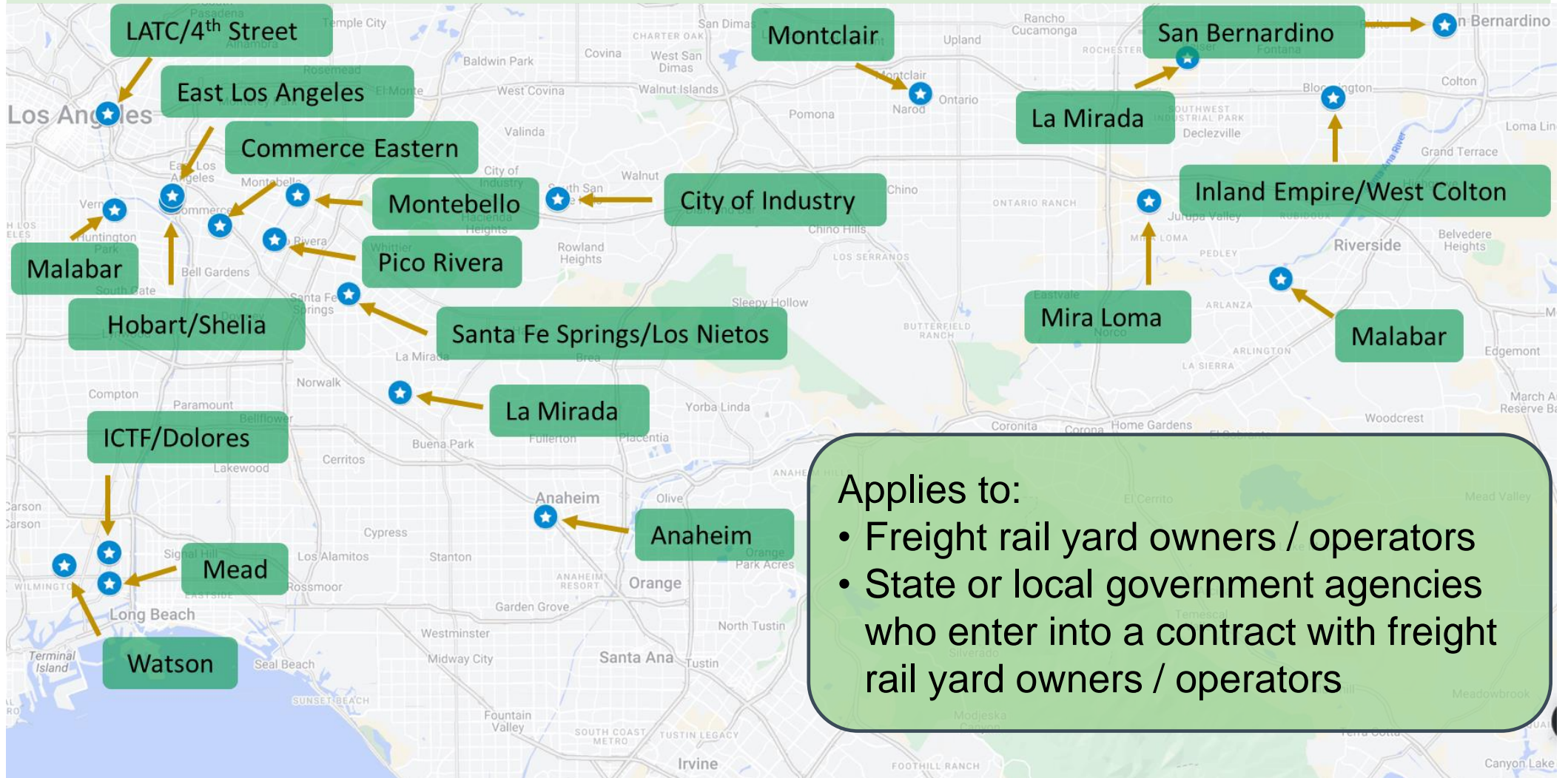


PR 2306 KEY RULE COMPONENTS



PR 2306 Applicability

Known Freight Rail Yards Potentially Subject to PR 2306



(The map is not an exhaustive representation of freight rail yards potentially subject to PR 2306 and is subject to change)

Poll #1a: Which freight rail yard are you most familiar with?



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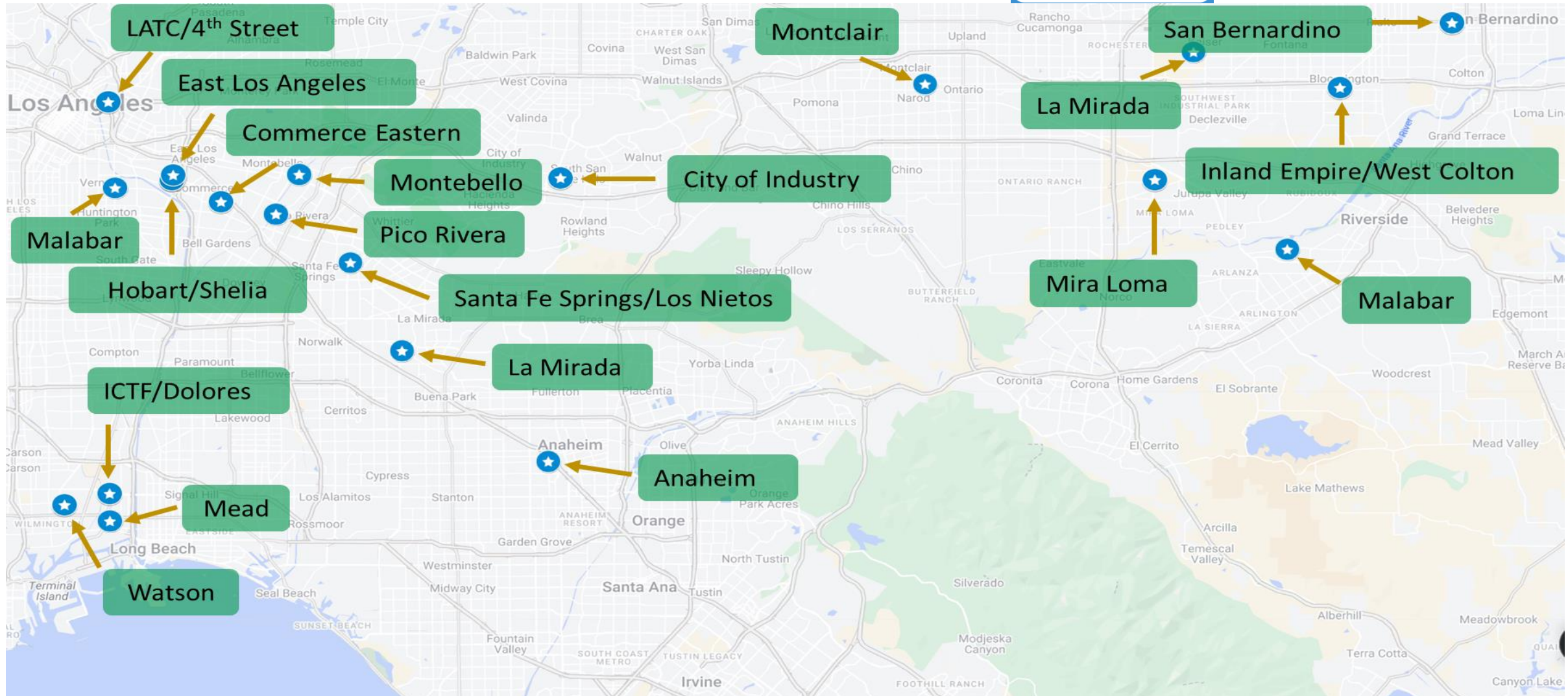


Poll #1b: What is your top air quality concern about the facility you listed in question 1a?
Full facility list found in poll and end of presentation

Poll #2: Is there any rail operation site that is not included here but of concern to your community?

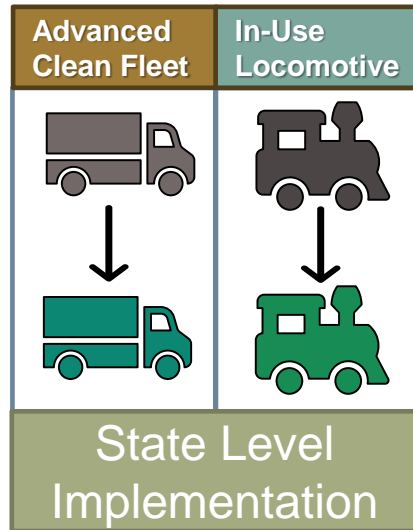


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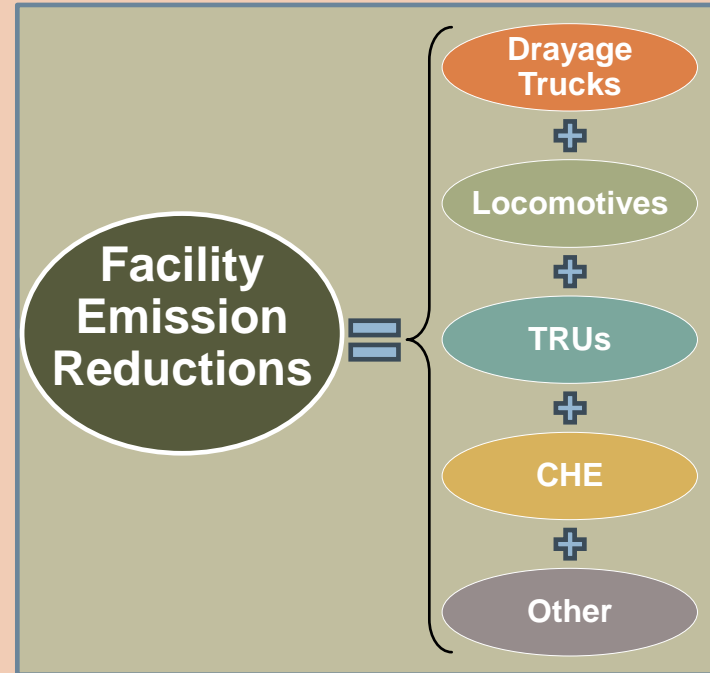
Emission Reduction Requirements

Statewide Compliance with State Regulations



<
%
Emission
Reductions

Facility-Level Compliance with PR 2306



*A freight rail yard may have emissions generated from all or some mobile sources listed on this slide.

Milestone Year Emission Reduction Targets

1 Default Target

- Target **predetermined** based on **projected** statewide compliance with state regulations

2 Alternative Target

- Target **to be determined** based on **actual** statewide compliance with state regulations per freight rail yard operator

Percent emission reduction must meet or exceed target 1 or 2 for each milestone year

3 Optional Compliance Pathway

- **Option** for facilities with throughput in milestone year that is lower than base period
 - Equipment/vehicles must be no dirtier than base period
- Actual emissions compared against base period

Year that PR 2306 goes into effect

+3 years

+6 years

+9 years

+12 years

Milestone Years

Reporting, Recordkeeping, and Notification Requirements

Initial Reports

Submitted after the end of Base Period

Initial Facility Information Report

- Contains Base Period fleet mix information and activity data

Initial ZE Infrastructure Report

- Provides information on ZE infrastructure planning, development, and utilization

Required to keep records that document accuracy/validity of information

Milestone Year Reports

Submitted every 3 years

Milestone Compliance Report

- Demonstrates compliance with emission reduction target and provides supporting information

ZE Infrastructure Status Update Report

- Provides updates on ZE infrastructure planning, development, and utilization

Notifications

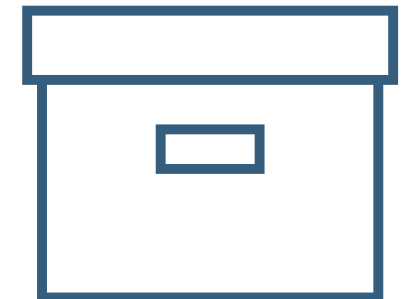
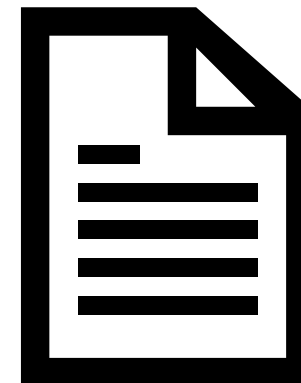
Notifications are submitted if a qualifying event occurs that brings changes to reporting and compliance

Poll #3: Is there a data reporting tool or online interface that you are familiar with that you'd recommend for potential public access of PR 2306 compliance data?

(Please provide references or webpages, if applicable.)



<https://forms.office.com/g/p1xwsuk7F1>



Next Steps

Set Hearing on June 7, 2024

Public Comments Due by June 18, 2024

Mobile Source Committee Review on June 21, 2024

Draft Rule Language and Supporting Documents Released by July 2, 2024

Public Hearing on August 2, 2024 (subject to change)

Staff Contacts

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Sign up for the mailing list at: <https://www.aqmd.gov/sign-up>
(select "**Rule 2306 - Freight Rail Yards**")

For more information, visit: www.aqmd.gov/fbmsm
(click into "**Rail Yard and Intermodal Facilities**")

Detailed list of potentially affected freight rail yards

Freight Rail Yard	Components	Location	Operator
4th Street	4 th Street Yard	Los Angeles, CA 90033	Union Pacific
Anaheim	Anaheim Yard	Anaheim, CA 92802	Union Pacific
Arlington	Arlington Yard	Riverside, CA 92504	Union Pacific
City of Industry	City of Industry Intermodal Terminal	17225 Arenth Ave., City of Industry, CA 91748	Union Pacific
Commerce Eastern	Commerce Intermodal Facility	5600 E. 26th St., Commerce, CA 90040	BNSF
Dolores	Dolores Support Yard	2442 E Carson St., Long Beach CA, 90810	Union Pacific
East Los Angeles	East Los Angeles/Commerce	4341 East Washington Blvd., City of Commerce, CA 90023	Union Pacific
Hobart	Hobart (Los Angeles) Rail Yard	4000 Sheila St., Commerce, CA 90023	BNSF
ICTF	ICTF	2401 E. Sepulveda Blvd., Long Beach, CA 90810	Union Pacific
	ICTF Support Yard	Alongside Alameda Corridor	
Inland Empire	Inland Empire Intermodal Terminal	17550 Slover Ave., Fontana, CA 92316	Union Pacific
Kaiser	Kaiser Terminal	8793 Depot Rd. #8701, Fontana, CA 92335	BNSF
La Mirada	La Mirada Yard	14503 Macaw St., La Mirada, CA 90638	BNSF
LATC	Los Angeles Transportation Center	599 North Mission Rd., Los Angeles, CA 90033	Union Pacific
Los Nietos	Los Nietos Yard	Los Nietos Rd., Santa Fe Springs, CA 90670	Union Pacific

Freight Rail Yard	Components	Location	Operator
Malabar	Malabar Yard	Vernon, CA 90058	BNSF
Mead	Mead Yard	801 N. Pennington Ave., Wilmington, CA 90744	Union Pacific
Mira Loma	Mira Loma	4500 Etiwanda Ave., Mira Loma, CA 91752	Union Pacific
Montclair	Montclair Yard	Ontario, CA 91762	Union Pacific
Montebello	Montebello Yard	329 Van Norman Rd., Montebello, CA 90640	Union Pacific
Pico Rivera	Pico Rivera Yard	7599 Rosemead Blvd., #7425, Pico Rivera, CA 90660	BNSF
San Bernardino	San Bernardino Automotive Facility	1685 Santa Fe Way, San Bernardino, CA 92410	BNSF
	San Bernardino Intermodal Facility	1535 W 4th St, San Bernardino, CA 92410	BNSF
Santa Fe Springs	Santa Fe Springs Bulk Materials Transfer Terminal	8636 Sorensen Ave., Santa Fe Springs, CA 90670	Union Pacific / Savage
Sheila	Sheila Mechanical Yard	6300 Sheila St., Commerce, CA 90040	BNSF
Watson	Watson Yard	1302 E Lomita Blvd., Wilmington, CA 90744	BNSF
West Colton	West Colton Roundhouse	19700 Slover Ave., Bloomington, CA 92316	Union Pacific
	West Colton Intermodal	19100 Slover Ave., Bloomington, CA 92316	
	West Colton Yard	2000 Sycamore Ave., Bloomington, CA 92316	