

# AB 617 COMMUNITY STEERING COMMITTEE

WILMINGTON, CARSON, WEST LONG BEACH  
2023 QUARTERLY MEETING #3

AUGUST 10, 2023

2:00 – 4:00 PM

ZOOM MEETING LINK

Ryan Stromar

Senior Public Affairs Specialist



# AGENDA



- Welcome & Introduction
- CSC Member Updates
- Working With Communities Program
- Progress on Community Emissions Reduction Plan (CERP) Implementation
  - West Carson Community Fund
  - Updates on PRIMER and Ports ISR
  - Focused Discussion on Ports ISR
- Community Air Monitoring Plan (CAMP) Implementation
- Agenda Items for Next Meeting
- Public Comment

AB 617  
WCWLB

CSC Member  
Updates



# SOUTH COAST AQMD'S WORKING WITH COMMUNITIES TRABAJANDO CON COMUNIDADES

PLAYHOUSE PROJECTS  
PROYECTO DE CASA DE JUEGOS





- In 2023, South Coast AQMD launched a new employee volunteer program, Working with Communities, in partnership with Habitat for Humanity International.
- This program brings together community partners, agency personnel and local stakeholders to improve quality of life through improvements and/or building of housing, greenspace, and other projects.
- The program is part of South Coast AQMD's commitment to improve local and regional air quality and make a difference in AB 617 and environmental justice communities throughout our four-county jurisdiction.

- En 2023, South Coast AQMD lanzó un nuevo programa voluntario para empleados, Trabajando con Comunidades, en colaboración con Habitat for Humanity International.
- Este programa reúne a socios comunitarios, personal de agencias y partes interesadas locales para mejorar la calidad de vida a través de mejoras y / o construcción de viviendas, espacios verdes y otros proyectos.
- El programa es parte del compromiso de South Coast AQMD de mejorar la calidad del aire local y regional y marcar la diferencia en AB 617 y las comunidades de justicia ambiental en nuestra jurisdicción entre los cuatro condados.

# Working with Communities Trabajando con Comunidades



Martin Luther King Jr.  
Greater Los Angeles



Martin Luther King Jr.  
San Bernardino



Cesar Chavez  
Coachella Valley  
Valle de Coachella



Volunteer Month  
Mes del Voluntariado  
Riverside



Clean Air Month  
Mes del aire limpio  
Orange County

**Playhouses Create a Positive Environment**

**las casas de juego crean un ambiente positivo**



**Connect with other children and encourages outdoor activity with air quality themes**

**Relacionarse con otros niños y fomentar la actividad al aire libre**

**Playhouses provide a space for imagination**

**Las casas de juegos ofrecen un espacio para la imaginación**



**Inspires curiosity**

**Inspira curiosidad**



# Playhouse Dimensions & Guidelines

## Dimensiones y directrices de las casas de juegos

*South Coast AQMD will deliver the playhouse to the selected community location.*

*South Coast AQMD entregará la casa de juegos a la ubicación de la comunidad seleccionada.*

- Playhouse dimensions are approximately 5'x4'x5
- Area needed, approximately 42 square feet
- Approximate weight of playhouse 75 pounds

- Las dimensiones de la casa de juegos son aproximadamente 5'x4'x5
- Superficie necesaria, aproximadamente 42 pies cuadrados
- El peso aproximado de la casa de juegos es de 75 libras





# Playhouse Interest

## Interés en las casas de juegos

- Email recommended organization(s) to [volunteer@aqmd.gov](mailto:volunteer@aqmd.gov).
  - Include the name of the recommended location and contact information of suggested day care, school, or organization
  - Include the address or cross streets of recommended location
- For more information contact Cristina Lopez at (909) 396-2114.
- Envíe la organizacion(es) recomendadas a [volunteer@aqmd.gov](mailto:volunteer@aqmd.gov).
  - Incluya el nombre del lugar recomendado y la información de contacto de la escuela, de la guardería infantil o de la organización
  - Incluya la dirección o las calles principales de la ubicación recomendada
- Para más información, póngase en contacto con Cristina López en el (909) 396-2114.

# Bridge Point SouthBay II

20850 Normandie Blvd, West Carson CA



# Bridge Point Project

- A 200,000 sq ft warehouse building
- Located at the corner of Normandie Ave and Torrance Blvd
- Warehouse will be used as a logistics hub
- Industrial Planned Development (MPD) zoning required a Conditional Use Permit (CUP) for the warehouse
  - Triggered a Mitigation Monitoring and Reporting Program (MMRP)



# Notable Project Dates

- Project approved: November 2020
- On-site work began: October 2021
- Demolition of existing structures began: December 2021
- Grading started: February 2022
- Vertical Construction began: April 2022
- Construction is anticipated to be completed by Summer 2023
  - Rainy weather has delayed the project

# Monitoring Agencies for Bridge Point



# Community Improvement Fund

- Amount = \$300,000
- Required by a Condition of Approval added by the Board of Supervisors
- Held in an interest-bearing trust by the Dept. of Public Works (DPW)
- Can be used for community improvement(s) for the unincorporated community of West Carson
- Examples of what other communities have used improvement funds for:
  - Community monument sign
  - Scholarship fund for political activism at local community college
  - One time art scholarship at a local high school

# Contact Us – LA County Planning

- General Zoning Information
  - Email: [info@planning.lacounty.gov](mailto:info@planning.lacounty.gov)
  - Phone: (213)-974-6411
- Monitoring Information for Bridge Point Project or to Submit a Complaint
  - Email: [ZoningEnforcement@planning.lacounty.gov](mailto:ZoningEnforcement@planning.lacounty.gov)
  - Phone: (213)-974-6483



# UPDATES ON PACIFIC RIM INITIATIVE FOR MARITIME EMISSION REDUCTIONS AND PORTS INDIRECT SOURCE RULE

Wilmington, Carson, West Long Beach (WCWLB)  
Community Steering Committee

August 10, 2023



# PACIFIC RIM INITIATIVE FOR MARITIME EMISSION REDUCTIONS (PRIMER)

- Trans-Pacific partnerships of multiple port regions around the Pacific Rim
- Coordinated efforts to incentivize cleaner ocean-going vessels (OGV) on shared routes

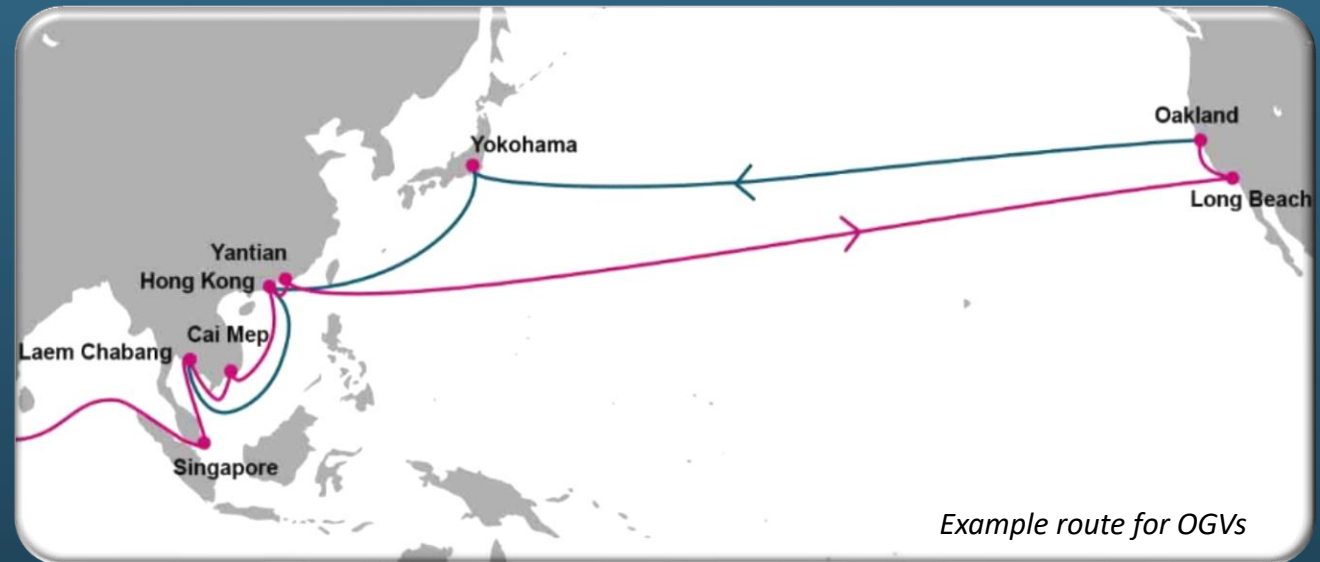


Image Source: Ocean Network Express Service FP2 (<https://www.one-line.com/en/routes/current-services>).

# PACIFIC RIM ENGAGEMENT

## South Coast AQMD



- Bilateral in-person and virtual engagement with Asian authorities
- Draft OGV MOU with Shenzhen (*late 2019*)
  - *With support from multiple Chinese government entities*
  - *Put on hold since the pandemic, but have continued to engage with Shenzhen*
  - *Complicated by geopolitics*
- Organized maritime technology and policy forums, and participated in international conferences

***Air Pollution-Focused***

## Parallel Efforts by Other Agencies



### *Green shipping corridors*

- LA-Shanghai announcement (*January 2022*)
- Long Beach-Kobe MOU (*October 2022*)
- LA-Tokyo/Yokohama MOU (*March 2023*)
  - California-Japan letter of intent
- Singapore-Long Beach-LA MOU (*April 2023*)
- LA-Nagoya MOU (*June 2023*)

*Meanwhile, the U.S. Department of State released the GSC Framework guidance in April 2022.*

***GHG-Focused***

# TECHNICAL ANALYSES AND STUDIES

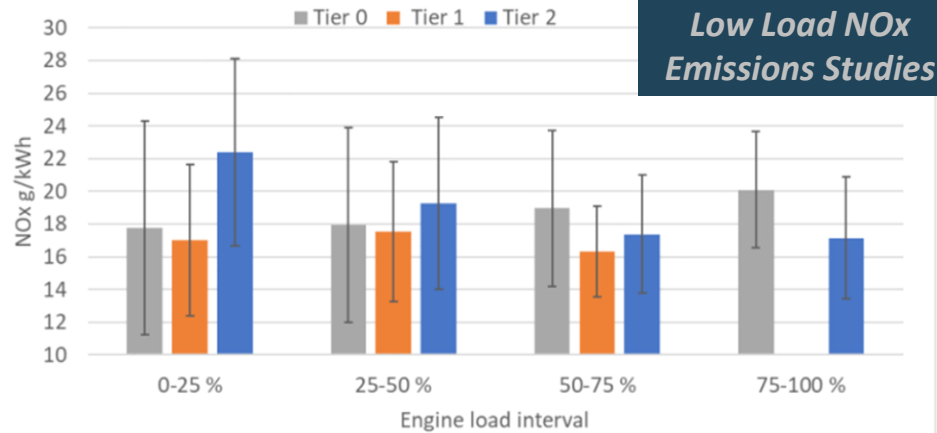
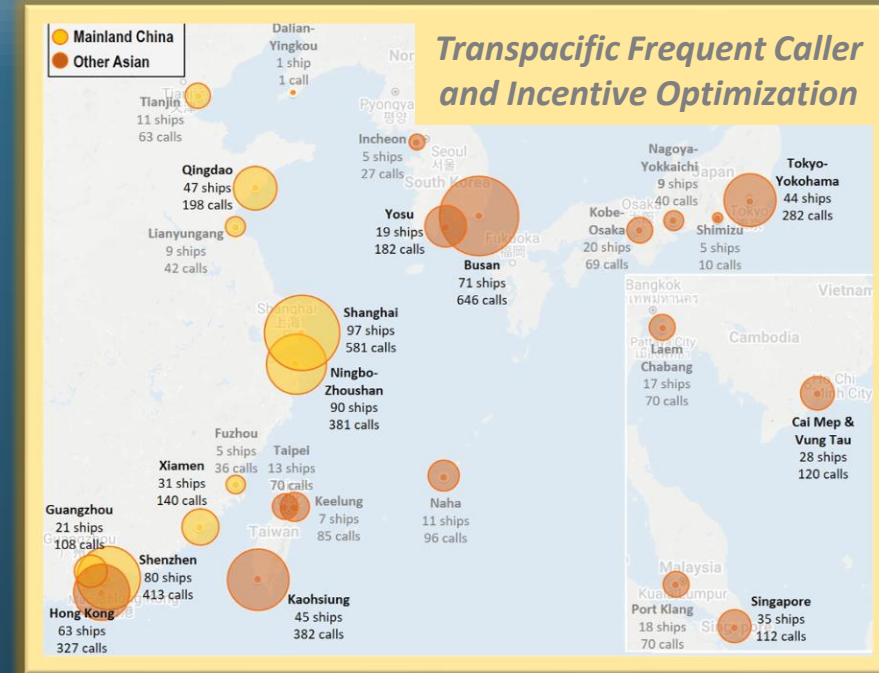


Figure automa channe

## NOx Emissions from Ocean-Going Vessels

- Results from exploratory project on NOx emissions from Ocean Going Vessels (OGV) using remote sniffer measurements (*Technical Memorandum prepared by Chalmers and FluxSense in collaboration with South Coast AQMD*) – 07/07/2023 [PDF, 2 MB]
- Evaluating NOx Emission Inventories for Ocean-Going Vessels Using Real Emissions Data (*Technical Memorandum prepared by Explicit ApS in collaboration with South Coast AQMD*) – 09/21/2022 [PDF, 1 MB]

<http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/comm-ports-wkng-grp/technical-reports-and-documents>



# PARTNERSHIP WITH MARITIME INDUSTRY

## US California WIF project

In Cooperation with MSC, SCAQMD, Port of Long Beach and Port of Los Angeles

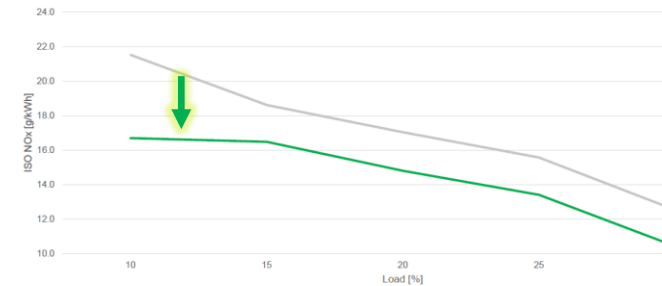


MAN Energy Solutions

November 14, 2022 1

## NOx results

Comparison ISO NOx [g/kWh]



Water in Fuel (WIF) Retrofit completed in 2022

MAN Energy Solutions

Public | Retrofits & Upgrades – ©2022 November 14, 2022

## Ongoing OGV retrofit projects

- Low-pressure exhaust gas circulation
- Multiple fuel flexible injection system conversion

**Expected to achieve 70%+ NOx and PM reductions**

(Funded by U.S. EPA Targeted Airshed Grant and project partners)



## At-berth



Barge-based exhaust capture and control system for *oil tankers*

(Funded by CARB)



# PROPOSED RULE 2304 – PORTS ISR

## Goal #1

Drive additional emission reductions from port sources to facilitate regional attainment goals

## Goal #2

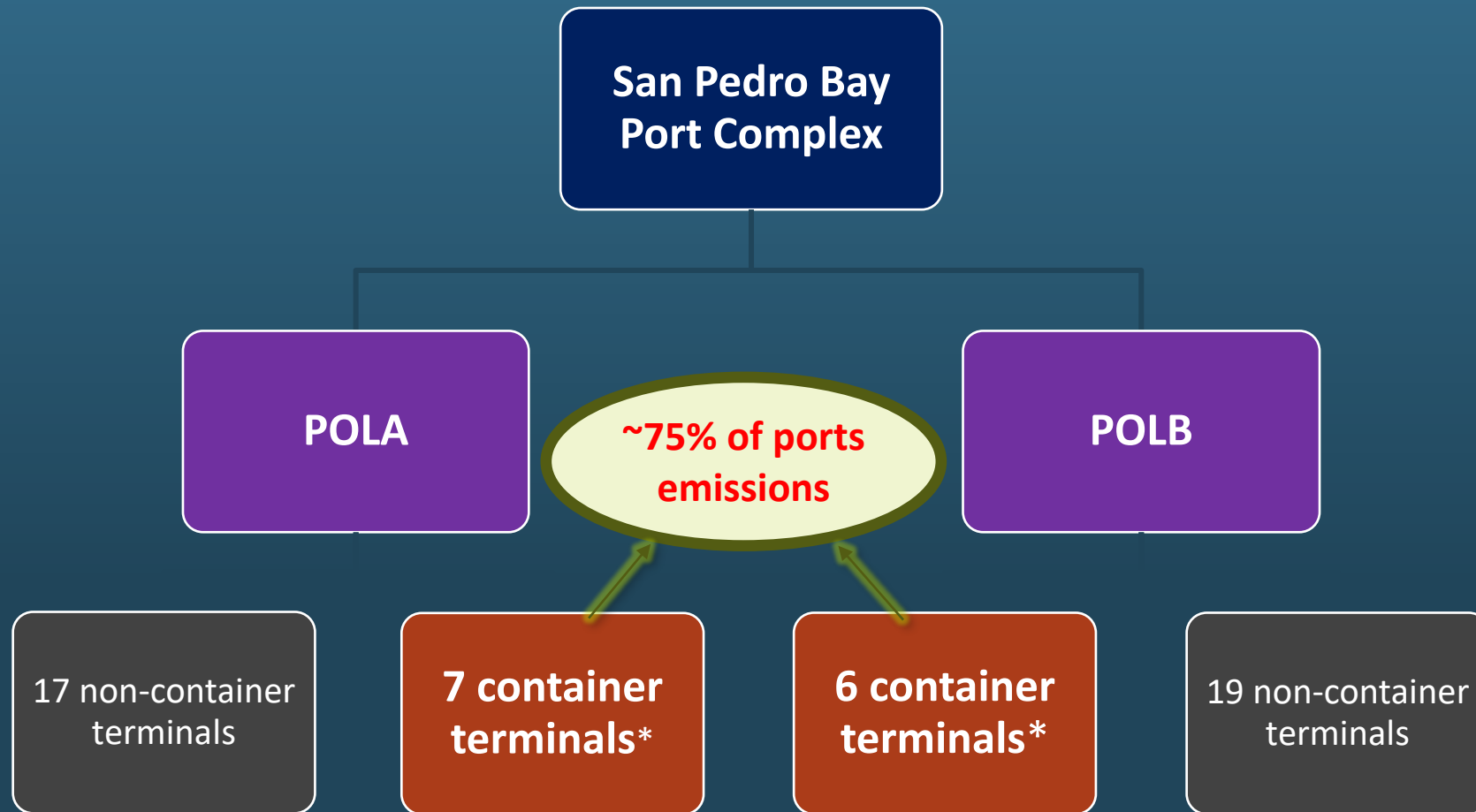
Maximize co-benefit of diesel particulate matter (DPM) reductions to lower local health risk

## Goal #3

Facilitate zero emission implementation at scale for on-terminal operations

- *Quantifiable emission reduction targets are needed to achieve these goals*
- *Ports' Clean Air Action Plan has no NOx or PM emission targets beyond 2023*

# INITIAL FOCUS: CONTAINER TERMINALS

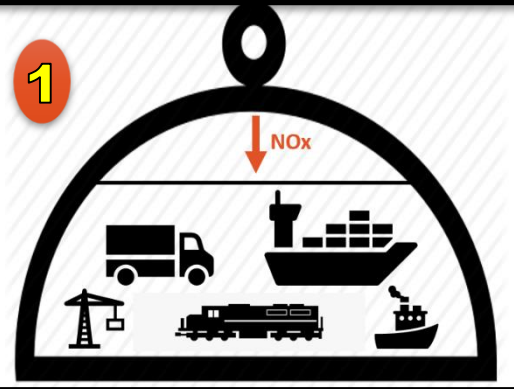


*Distinctive business models vary substantially by terminal type*  
↓  
*Proposed rules tailored to terminal operations*

\* Staff is evaluating the inclusion of container berths at multi-purpose terminals.

# OVERVIEW OF INITIAL DRAFT RULE CONCEPT

**CAP ON EACH PORT'S EMISSIONS**



San Pedro Bay  
Port Complex

POLA

3  
**CHARGING & FUELING  
INFRASTRUCTURE**

POLB

17 Non-Container  
Terminals

7 Container  
Terminals

6 Container  
Terminals

19 Non-Container  
Terminals

**CAP ON EACH TERMINAL'S EMISSIONS**

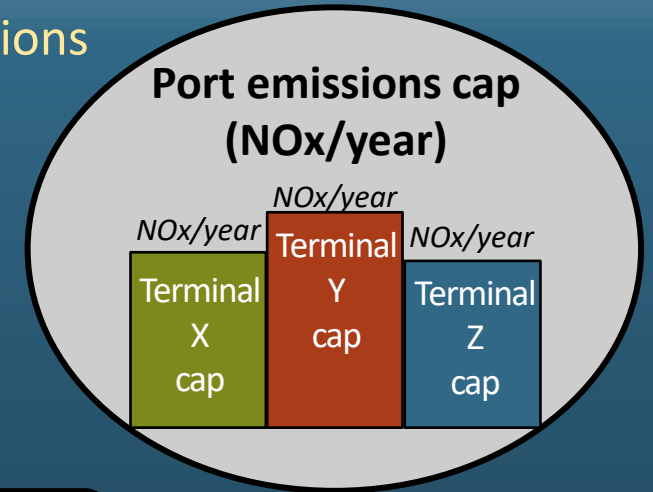
4 **REPORTING  
REQUIREMENTS**



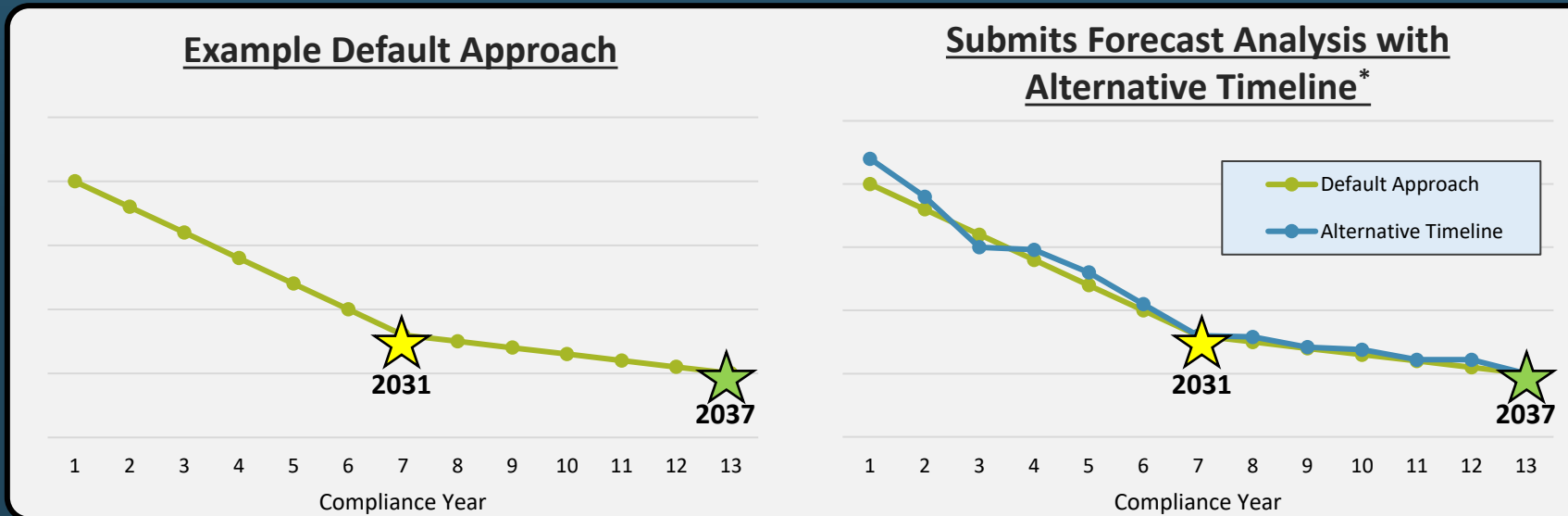
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# INITIAL DRAFT CONCEPT: MASS EMISSIONS CAPS

- **Port-wide cap** for port authority: control container terminal-related emissions
- **Terminal-wide cap** for each container terminal operator
- Caps set for **milestone years** for regional air quality attainment
  - In between milestone years, port authorities and container terminal operators must incrementally reduce NOx emissions annually



## Potential approaches for interim NOx/year reduction:



Potential cap levels to be discussed in future Working Group meetings

\*Port Alternative Timeline (within limits) to be approved by Harbor Commission/City, and Terminal Alternative Timeline to be approved by Port Authority; both enforced by South Coast AQMD



# EMISSIONS CAPS ALTERNATIVE COMPLIANCE OPTIONS

## Additional Compliance Options Available To Ports and Terminal Operators Only During Interim Years

- Alternative compliance for interim NOx reduction targets only:
  - Pay mitigation fee to South Coast AQMD; or
  - Pay into an escrow account controlled by port authority or terminal operator (as applicable) for future funding of clean air projects
- Staff is conducting analyses to determine:
  - Payment amount for mitigation fee and/or escrow account
  - Types of projects that escrow account(s) would fund
- Other alternative compliance options may be considered

*Alternative Compliance Options not available to ports or terminal operators for milestone years*

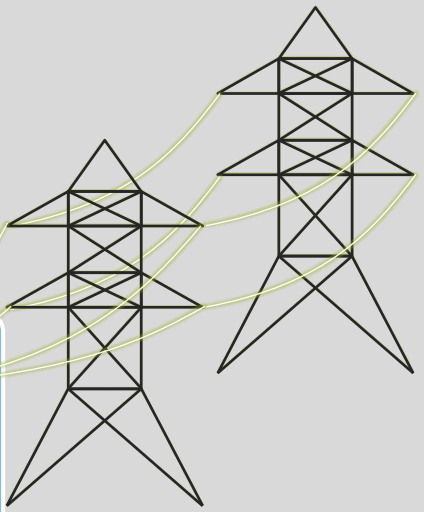
# ZERO EMISSIONS CHARGING & FUELING INFRASTRUCTURE

Plans, Reporting, and Installation Requirements

*Needed for redundancy, resiliency, peak shaving, etc.*

ZE Energy Storage & Generation

Onsite Fueling/Charging Infrastructure



Requirements for Port Authorities and Container Terminal Operators

Plans and Progress Reporting

*Needed for cargo handling equipment, at-berth charging for ships, switching for locomotives, TRUs*

# ANNUAL REPORTING REQUIREMENT

## Annual emissions requirements

Annual compliance reports for milestone year caps and interim year targets

## ZE infrastructure requirements

Annual progress reports and energy storage/generation installation compliance reports consistent with ZE Plans

- Ports and terminal operators submit separate reports, but joint reports could be submitted by ports on behalf of its terminal operator tenants

# TIMELINE & STAFF CONTACTS

PR 2304 Public Hearing currently scheduled in December 2023

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Elaine Shen  
Planning and Rules Manager  
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Ian MacMillan  
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[imacmillan@aqmd.gov](mailto:imacmillan@aqmd.gov)

Sign up for the mailing list at: [www.aqmd.gov/sign-up](http://www.aqmd.gov/sign-up) (select “Proposed Rule 2304”)

Email us at: [PortsISR@aqmd.gov](mailto:PortsISR@aqmd.gov)

For more information and for materials from previous meetings,  
visit: [www.aqmd.gov/fbmsm](http://www.aqmd.gov/fbmsm) (click into “Commercial Marine Ports”)

WCWLB CSC



## **BREAKOUT ROOMS: FACILITATING QUESTIONS**

- 1. Compliance Flexibility*
- 2. Reporting Transparency*
- 3. Energy and Fuels for Port Operations*

## **GRUPOS DE TRABAJO: FACILITAR PREGUNTAS**

- 1. Flexibilidad de cumplimiento*
- 2. Transparencia en los reportes*
- 3. Energía y combustibles para operaciones portuarias*

## WCWLB CSC



### PROMPT 1

**Compliance Flexibility:** While zero-emission port operation is a common goal shared by many, zero-emission technology and infrastructure for many of the port emission sources will take time to fully develop and build out. The proposed rule needs to consider foreseeable uncertainties in setting the mandatory emission targets and incorporates reasonable and limited flexibility in compliance options.

- Our current preliminary rule concept would allow the ports and terminals to pay a mitigation fee or deposit funds into an escrow account as a compliance option available for “non-milestone” years only. Do you have thoughts you would like to share on these two compliance options?
- Are there other types of compliance flexibility that you consider as reasonable?

### INDICACIÓN 1

**Flexibilidad de cumplimiento:** Aunque la operación de los puertos con cero emisiones es una meta común compartida por muchos, la tecnología y la infraestructura de cero emisiones para muchas de las fuentes de emisiones portuarias tardarán tiempo en desarrollarse y construirse por completo. La regla propuesta debe tener en cuenta las incertidumbres previsibles al establecer los objetivos de emisiones obligatorios e incorporar una flexibilidad razonable y limitada en las opciones de cumplimiento.

- Nuestro concepto de regla preliminar actual permitiría a los puertos y terminales pagar una tarifa de mitigación o depositar fondos en una cuenta de depósito en garantía como una opción de cumplimiento disponible solo para años que no sean “años meta”. ¿Tiene alguna idea que le gustaría compartir sobre estas dos opciones de cumplimiento?
- ¿Hay otros tipos de flexibilidad de cumplimiento que considere razonables?



## PROMPT 2

**Reporting Transparency:** Our preliminary rule concept would require the ports and terminals to annually report their progress on meeting the mandatory emission targets.

- Are there any specific information or performance metrics that you would like to see in these annual compliance reports? Could you share with us why they are important to you and your community?

## INDICACIÓN 2

**Transparencia en los reportes:** Nuestro concepto de regla preliminar requeriría que los puertos y terminales reporten anualmente su progreso en el cumplimiento de los objetivos de emisiones obligatorios.

- ¿Hay alguna información específica o métricas de desempeño que le gustaría ver en estos reportes anuales de cumplimiento? ¿Podría compartir con nosotros por qué son importantes para usted y su comunidad?

## WCWLB CSC



### PROMPT 3

**Energy and Fuels for Port Operations:** Transition to alternative fuels and energy sources will be necessary for both clean air and climate goals. In addition to zero tailpipe emission technologies such as using batteries or hydrogen fuel cells to power electric motors, combusting alternative fuels, such as renewable diesel, natural gas, hydrogen, methanol, and ammonia, are also being considered by the industry and technology developers for heavy-duty applications related to port and vessel operations.

- Charging, fueling, and/or bunkering infrastructure will be needed in and around the ports to enable the transition. Do you have any general or specific concerns related to infrastructure building for any of the energy source or alternative fuels?

### INDICACIÓN 3

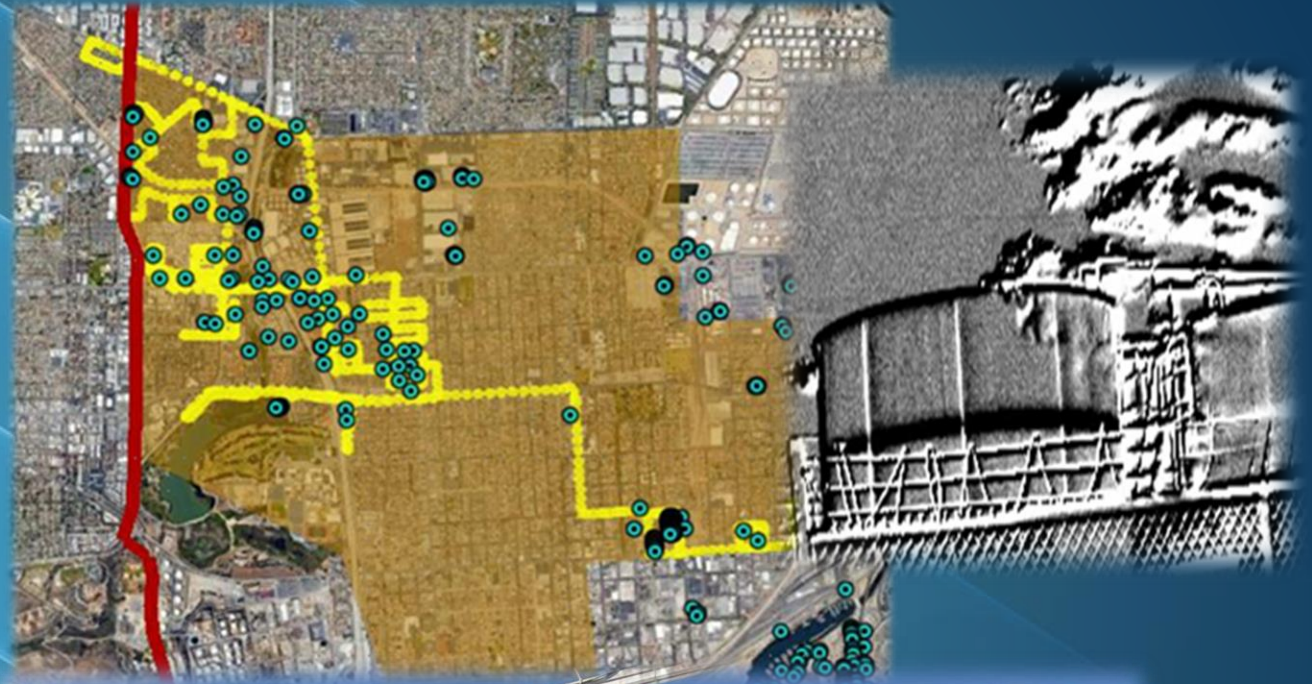
**Energía y combustibles para operaciones portuarias:** La transición a combustibles y fuentes de energía alternativas será necesaria tanto para el aire limpio como para las metas climáticas. Además de las tecnologías de cero emisiones de tubos de escape, como el uso de baterías o celdas de combustible de hidrógeno para alimentar motores eléctricos, la industria y los desarrolladores de tecnología también están considerando el uso de combustibles alternativos, como diésel renovable, gas natural, hidrógeno, metanol y amoníaco, para aplicaciones de servicio pesado relacionadas con las operaciones portuarias y navales.

- Se necesitará una infraestructura de carga, abastecimiento de combustible y/o depósitos de combustible dentro y alrededor de los puertos para permitir la transición. ¿Tiene alguna inquietud general o específica relacionada con la construcción de infraestructuras para alguna de las fuentes de energía o combustibles alternativos?

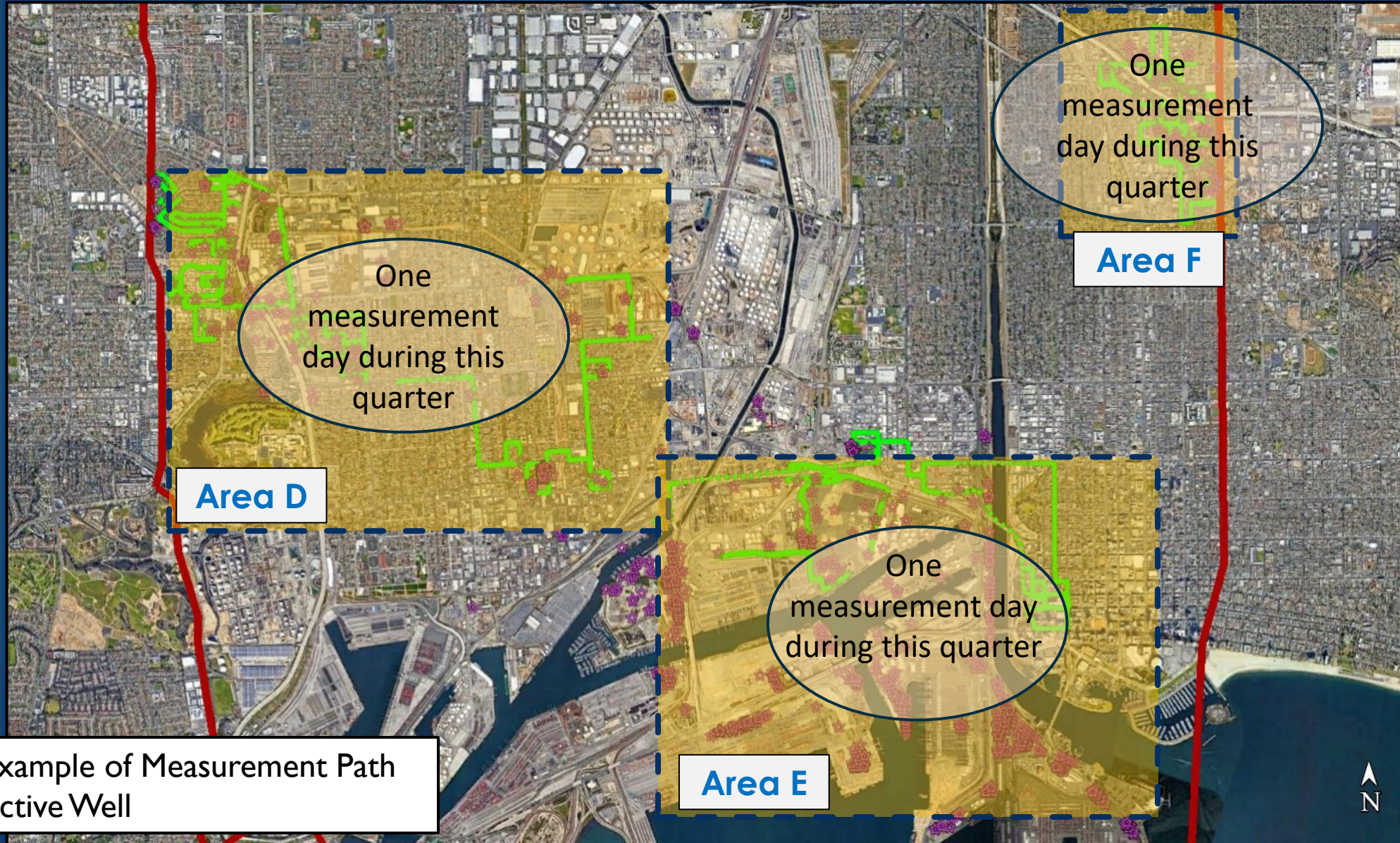


# COMMUNITY AIR MONITORING PLAN IMPLEMENTATION UPDATE

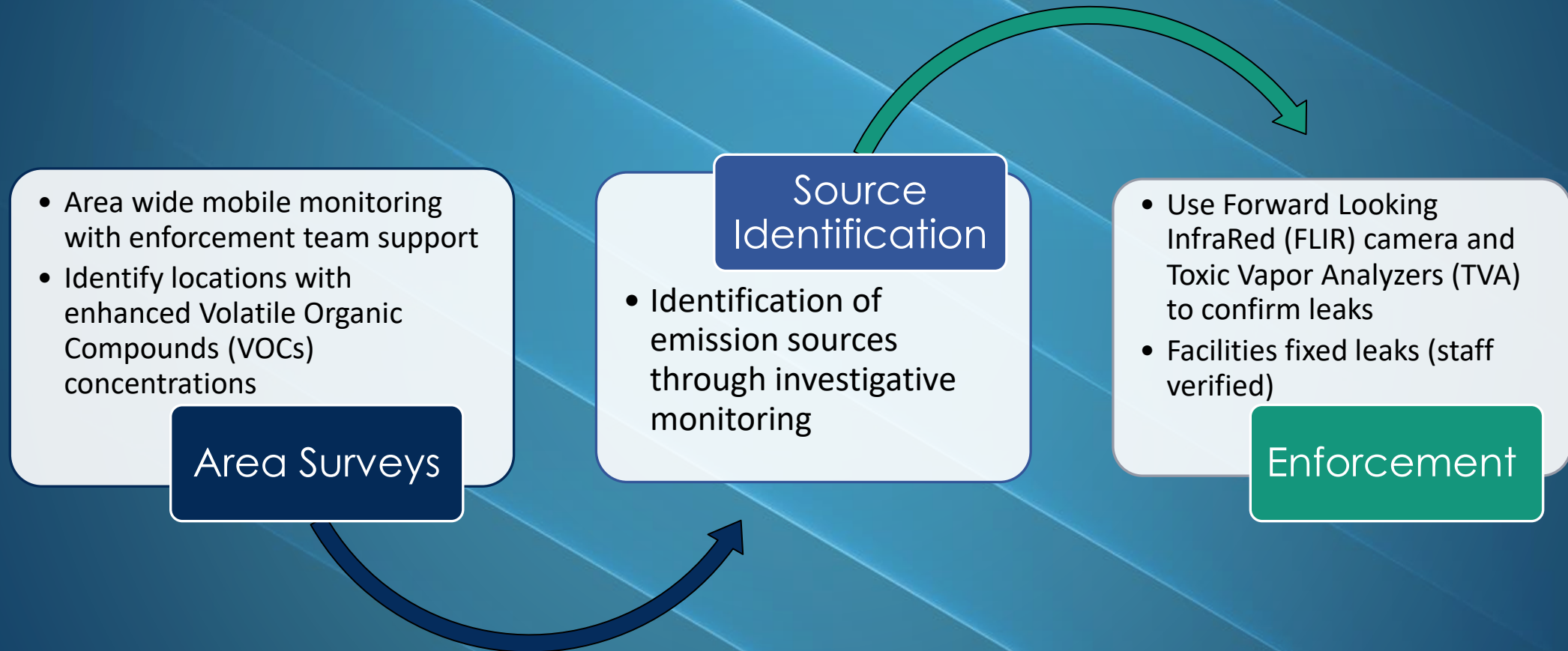
OLGA PIKELNAYA Ph.D.  
PROGRAM SUPERVISOR  
[opikelnaya@aqmd.gov](mailto:opikelnaya@aqmd.gov)



# OIL WELLS IN YOUR COMMUNITY



# AIR MONITORING ACTIVITIES NEAR OIL WELLS



# OIL WELLS AIR MONITORING TOOLBOX



## **Optical Remote Sensing Mobile Laboratory:**

*Used for surveys, hotspot identification, and/or concentration mapping of air toxic pollutants*



## **Forward Looking Infrared Camera (FLIR):**

*Used to visualize emissions and field investigations*



## **Toxic Vapor Analyzer:**

*Used to monitor for hydrocarbons and verify compliance and investigate complaints*

# MOBILE MEASUREMENTS NEAR OIL WELLS JUNE – JULY 2023

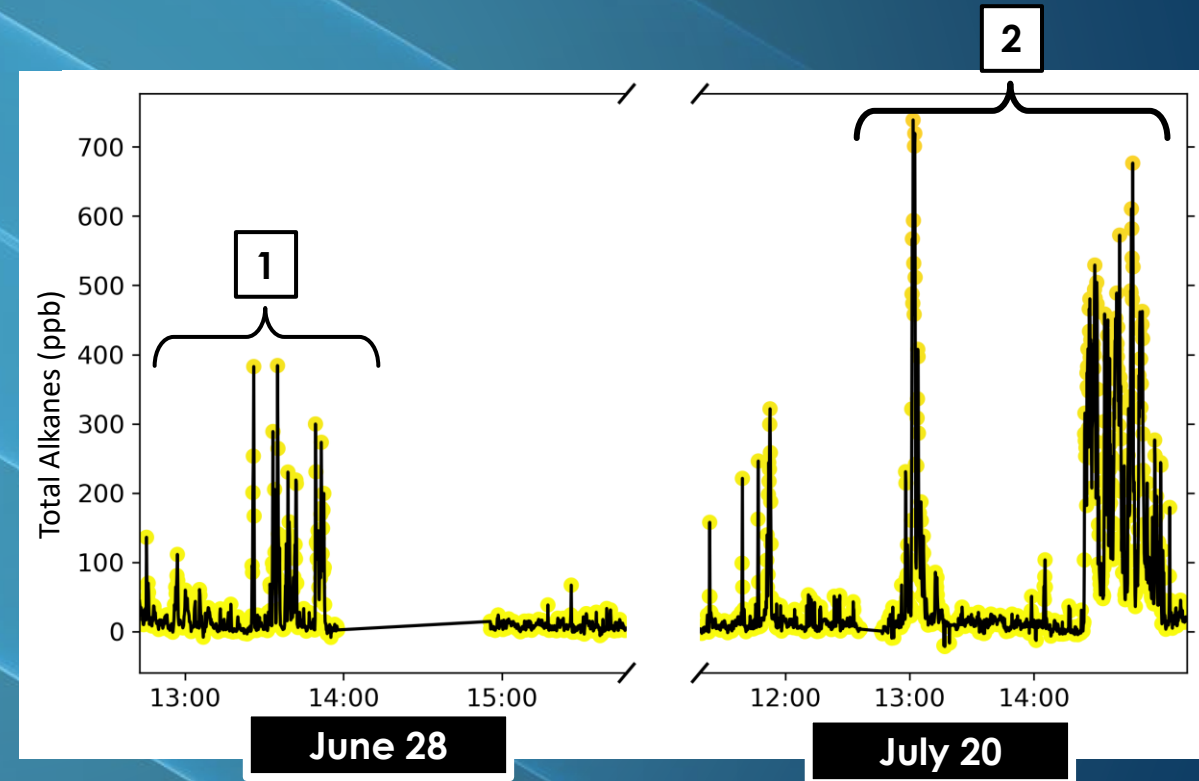
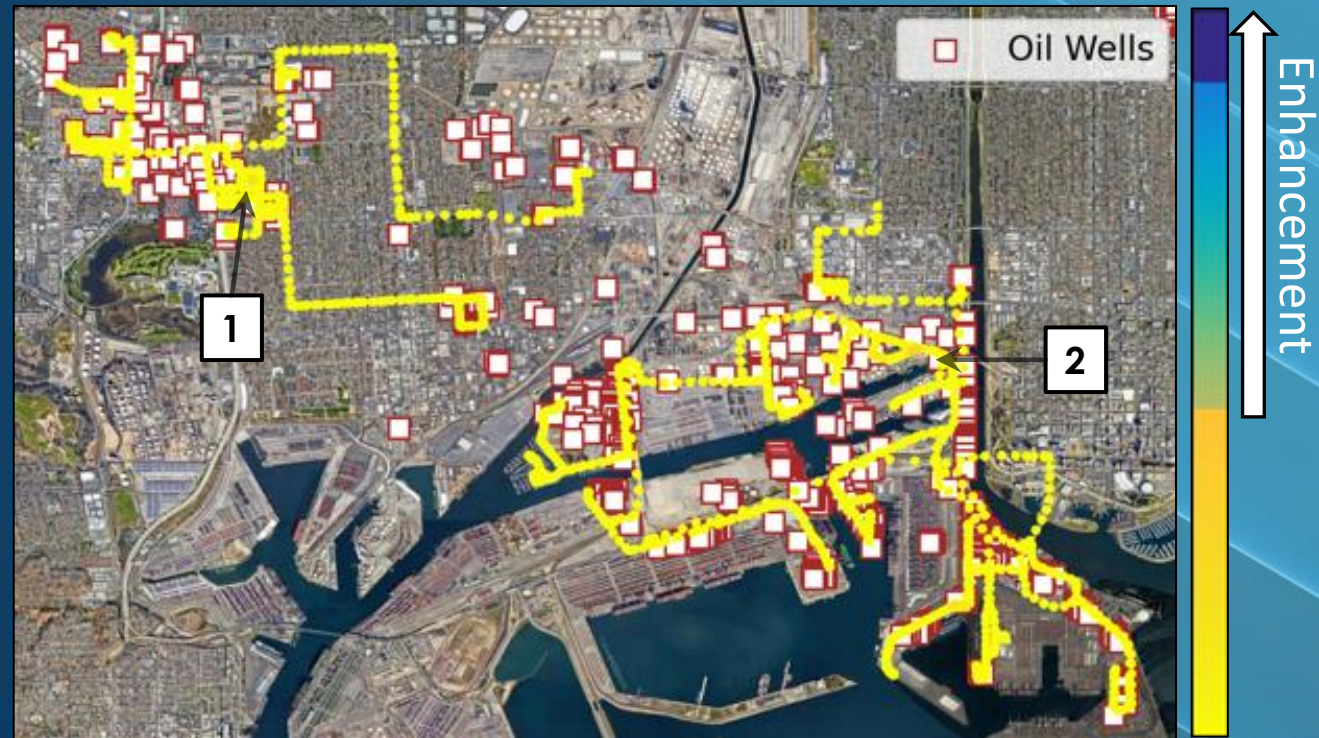
Dates	Surveyed Area / Purpose / Findings	Compliance Activities
June 28 <sup>th</sup> , 2023	<p style="text-align: center;"><b>Area D</b></p> <p>Complete area survey and follow-up on locations with previously measured VOC enhancements</p> <p style="text-align: center;">No substantial VOC enhancements detected</p> <p>Slightly elevated VOCs were detected at one location downwind of an oil well</p>	<p>One inspection One NOV issued</p>
July 14 <sup>th</sup> , 2023	<p style="text-align: center;"><b>Area F</b></p> <p>Complete area survey and follow-up on locations with previously measured VOC enhancements</p> <p style="text-align: center;">No substantial VOC enhancements detected</p> <p>Slightly elevated VOCs were detected at one location downwind of an oil well</p>	<p>One inspection No NOV issued</p>
July 20 <sup>th</sup> , 2023	<p style="text-align: center;"><b>Area E</b></p> <p>Exploratory survey</p> <p style="text-align: center;">No substantial VOC enhancements detected</p> <p>Slightly elevated VOCs were detected at one location downwind of a tank farm</p>	<p>One inspection One NOV issued</p>

VOC = Volatile Organic Compounds

NOV = Notice of Violation



# MOBILE MEASUREMENTS OVERVIEW



Map of total alkanes distribution measured on June 28 (Area D) and July 20 (Area E)

# WHERE TO ACCESS UPDATES AND AIR MONITORING DATA / INFO



WCWLB monitoring webpage provides access to real-time air quality data, CAMP documents, and air monitoring progress reports:  
<http://www.aqmd.gov/ab617/monitoring/wcwlb>

A screenshot of the South Coast Air Quality Management District (AQMD) website. The page is titled "Wilmington, Carson, West Long Beach Community" and is dedicated to the WCWLB community data platform. The navigation menu includes "AIR QUALITY", "INCENTIVE PROGRAMS", "RULES &amp; COMPLIANCE", "PERMITS", "NEWS, WEBCASTS, &amp; CALENDAR", "TECHNOLOGY ADVANCEMENT", "RESOURCES", and "MEETING AGENDAS &amp; MINUTES". The main content area features a list of links under "Air Monitoring Data Display", "Interactive Data Summaries", "Emissions Investigations", and "Community Air Monitoring Plan (CAMP) Implementation Update". A red box highlights the link "Air Monitoring Progress Update - Story Map (2023) New!". The South Coast AQMD logo is visible in the bottom right corner of the screenshot.

# INTERACTIVE PROGRESS UPDATE

- CAMP Implementation Updates
- Fixed Monitoring
- Mobile Monitoring
- Emissions Investigations
- Click the link below to access the data display tool and tutorial:

<http://www.aqmd.gov/ab617/monitoring/wcwlb>

If you have questions and/or comments, please contact:  
Payam Pakbin [ppakbin@aqmd.gov](mailto:ppakbin@aqmd.gov)

A Story Map

## Air Monitoring Progress Update- Wilmington, Carson, West Long Beach Community

An interactive illustration of AB 617 monitoring activities in the Wilmington, Carson, West Long Beach community  
*(for more information click on the underlined text)*

South Coast AQMD has been conducting community air monitoring in the Wilmington, Carson, West Long Beach (WCWLB) community since July 1st, 2019 as part of its AB 617 program. The air monitoring strategies, including locations and types of pollutants monitored, were determined through close collaboration with the WCWLB Community Steering Committee (CSC) during the development of the Community Emission Reduction Plan (CERP) and the Community Air Monitoring Plan (CAMP). The CAMP supports the actions and the goals

Port of Los Angeles, City of Carson, City of Long Beach





# DISCUSSION

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Olga Pikelnaya  
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# NEXT STEPS

## Future Announcements

- Newsletters or emails
- Continue CERP implementation

## Future Meeting

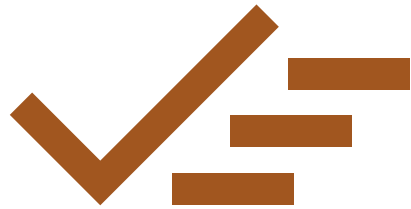
- Tentatively November 2, 2023 (virtual)
- AQ Priority Updates & Agenda Topics
  - What would you like to hear about?

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# Public Comment



# AB 617: CSC MEMBERSHIP 2023 / MEMBRESÍA DEL CSC 2023



## Current CSC Members / *Miembros actuales del CSC*

- ✓ No action required to continue serving as CSC Member / *No se requiere ninguna acción para continuar sirviendo como miembro del CSC*
- ✓ Will receive an email confirmation with CSC Interest Form / *Recibirá un correo electrónico con el Formulario de Interés del CSC*



## New Applicants / *Nuevos solicitantes*

- ❑ CSC Interest Form available at: /  
*El Formulario de Interés del CSC está disponible en:*  
<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committee-interest-form.pdf?sfvrsn=34>
- ❑ Send CSC Interest Form or Questions to /  
*Envíe el Formulario de Interés del CSC o Preguntas a:*  
[ab617comments@aqmd.gov](mailto:ab617comments@aqmd.gov) or 909.396.2637

# COMMUNITY EVENTS

## *EVENTOS DE LA COMUNIDAD*



Connecting with  
our Communities

*Comunicando Con  
Nuestras Comunidades*





# JOIN THE CLEAN AIR TEAM!

## *¡ÚNETE AL EQUIPO DE AIRE LIMPIO!*



# APPLY ONLINE

## *APLICA EN LINEA*

[www.aqmd.gov/careers](http://www.aqmd.gov/careers)



**4 Day Work Week**  
*Semana de trabajo de 4 días*



**Retirement Plan**  
*Plan de retiro*



**Telework up to 3 Days/Week**  
*Teletrabajo hasta 3 días/semana*



**Life Insurance Benefits**  
*Beneficios del seguro de vida*



**Medical, Dental and Vision Insurance**  
*Seguro médico, dental y de la vista*



**Wellness Programs**  
*Programas de bienestar*



**13 Paid Holidays**  
*13 días festivos pagados*



**Continued Education Reimbursement**  
*Reembolso de educación continua*

# SOUTH COAST AQMD CONTACTS: WCWLB



- CERP  
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