

AB 617: SAN BERNARDINO / MUSCOY

November 9, 2023

9 de Noviembre del 2023

**CSC MEMBER UPDATES /
ACTUALIZACIONES DE MIEMBROS DEL CSC**

**CSC Member Updates /
Actualizaciones de miembros del CSC**

CSC MEMBER UPDATES /
ACTUALIZACIONES DE MIEMBROS DEL CSC

San Bernardino County Department of Public Health /
Departmamento de Salud Pública de
San Bernardino County



OMNITRANS ZERO EMISSION BUS ROLLOUT UPDATE

Anna Jaiswal

November 9, 2023



ZERO EMISSION (ZE) BUS ROLLOUT

- Converting our fleet from CNG and near-zero CNG emission buses to zero emission electric buses to reduce emissions.
 - Compressed natural gas - .2 grams of nitrogen oxides/brake horsepower hour
 - Near-zero emissions engines - .02 grams of nitrogen oxides/brake horsepower hour
 - Electric buses - 0 grams of nitrogen oxides/brake horsepower hour



ZERO EMISSION (ZE) BUS ROLLOUT

- ZE purchases are being phased in as buses are replaced at 12 years of age.
- Going beyond the CARB Innovative Clean Transit (ICT) mandate, applying for grant funds to purchase higher % ZE than required:
 - 25% of new bus purchases ZE starting in 2023
 - 50% of new bus purchases ZE starting in 2026
 - 100% of new bus purchases ZE starting in 2029
 - 100% of buses ZE by 2040



ZERO EMISSION PROJECTS

- First 4 battery electric buses in operation since 2021 – 2 out of San Bernardino facility, 2 out of Montclair.
- State Clean Mobility Options grant – plug-in hybrid minivans operating OmniRide Bloomington service since 2022.
 - MSRC grant to expand early morning, evening, and weekend hours on OmniRide Bloomington service, will be zero-emission Ford e-Transit vans (on order), expected to start operations August 2024.
- Federal Low or No Emissions grant.
 - 4 fuel cell buses, currently on order, expected to start service by 2025.
 - Assessing options for fueling.
 - Workforce development training and Apprenticeship Program.

ZERO EMISSION PROJECTS

- Applying for grants to convert sbX Green Line in San Bernardino and Loma Linda to battery electric buses in 2026-2027.
- Chargers at Palm/Kendall station and at maintenance facility in San Bernardino.





THANK YOU

**COMMUNITY EMISSIONS REDUCTION PLAN (CERP) IMPLEMENTATION UPDATE /
ACTUALIZACIÓN DE IMPLEMENTACIÓN DEL PLAN DE REDUCCIÓN DE EMISIONES
DE LA COMUNIDAD (CERP)**

**Breathmobile Update
(Chapter 5g, Objective #1)**

**Actualización de Breathmobile
(Capítulo 5g, Objetivo #1)**



BRINGING CARE TO THE COMMUNITY

MOBILE MEDICINE

DIGITAL & TELE-HEALTH

STREET MEDICINE



INTEGRATED COMMUNITY HEALTH

Updated: October 2023



ABOUT ARROWHEAD REGIONAL MEDICAL CENTER

Arrowhead Regional Medical Center (ARMC) is a 456-bed university-affiliated teaching hospital and the Safety Net provider for San Bernardino County.

Owned and operated by San Bernardino County and governed by its Board of Supervisors, ARMC operates the Edward G. Hirschman Regional Burn Center, a level I trauma center, a comprehensive stroke center, a behavioral health center, and five primary care centers, over 40 outpatient specialty care services and a new integrated community health program focusing on connecting care outside of ARMCs campus.

Additionally, as a teaching hospital, ARMC is home to a robust graduate medical education program with over 200 medical residents and fellows across multiple medical and surgical specialties.



INTEGRATED COMMUNITY HEALTH

Serving the largest geographic county in the continental United States with over 20,000 square miles, ARMC's goal is to provide primary and specialty care services and be a resource for complex medical care to our residents throughout the entire county.

This can be achieved through partnerships, care coordination and through ARMC's new **Integrated Community Health** Program

Integrated Community Health is comprised of:

- Mobile Medicine Clinics
- Digital & Tele-Health Services
- Street Medicine Program



STRATEGIC PARTNERSHIPS

❖ Alignment and Collaboration with:

- First 5 San Bernardino
- School-Based Programs
- Education & Early Learning Organizations
- Community Associations & Organizations
- Faith Based Organizations
- Non-Profit Organizations and Programs
- Home Visiting Partnership Organizations
- Senior Housing and Long-Term Living
- Community Revitalization/Homeless Services
- Department of Behavioral Health
- Street Medicine Collaboration



MOBILE MEDICINE

As part of our mission, the Mobile Medical Clinic offers a variety of healthcare services in underserved neighborhoods and remote areas of San Bernardino County.

The patient-centered mobile clinic is a model of care focused on the health of the community.

ARMC currently operates three medical mobile units, one for primary care and two Breathmobiles™ for Pediatric Asthma Services.



MOBILE MEDICINE

The Mobile Medicine Clinic for primary care offers the following services:


- Lab Tests
- Well Child Checks
- Immunizations
- Diabetes education and care
- Family Planning
- Mammograms
- Pap Smears
- Patient Education
- Referral Services
- Routine Primary Care
- Physicals

MOBILE MEDICINE

The Breathmobile™ is a community outreach program that treats children with asthma and/or allergies. The fully equipped vehicles are staffed by physicians and a healthcare team that specializes in treating asthma and allergies.

The Breathmobile clinics offers the following services:

- Diagnostic Testing
- Physical Exam
- Pharmacological Therapy
- Patient and Family Education on Asthma Management

Through a partnership with  we offer Breathmobile services to some of our most vulnerable populations ages 0-5.



CURRENT VEHICLES

Breathmobile #1
(Gas Engine)
Class A RV Style

Breathmobile #2
(Gas Engine)
Class A RV Style

Mobile Medical
(Gas Engine)
Custom RV Style

Breathmobile #1
(E-Vehicle)
Class A RV Style
Replacement of
Gas Engine Vehicle
Funding
AQMD/EPA

Breathmobile #2
(Gas Engine)
Class A RV Style
Funding
N/A (existing vehicle)

Mobile Medical
(Gas Engine)
Replacement with
Truck w/ Trailer
Funding
ARMC Foundation

**Combined
Medical &
Breathmobile**
(E-Vehicle)
Class A RV Style
District 5
Funding
Supv. Baca/
AQMD

NEW VEHICLES AND OPERATIONS



DIGITAL & TELE-HEALTH

Digital Health encompasses a wide range of technology to improve health outcomes, reduce re-admissions, increase access and much more.

- Telehealth
 - Virtual Visits
 - Provide primary and specialty care visits remotely, allowing patients in remote areas to access the expert clinical services at ARMC
 - Access 24/7
 - Through [MyChart](#) patient can schedule select appointments, re-fill prescriptions, review their lab results and email with their care team 24/7.
- Remote patient monitoring
 - Hypertension- blood pressure
 - Diabetes-blood glucose
 - Pulmonary function-spirometer
- **More to come in the new future as ARMC continues to explore new Digital Health platforms**



STREET MEDICINE

ARMC's newest program, Street Medicine at Arrowhead Regional Medical Center is just getting started.

In 2023, the number of residents experiencing homelessness was reported as 4,195 for the county, which is a 26% increase from 2022. The ARMC Street Medicine teams' goal is to provide health care, community outreach and resources to those unsheltered county residents.

In partnership with the Department of Behavioral Health's InnRoads program, ARMC's Street Medicine program will be comprised of a physician, nurse and community health worker. Our goal is to provide primary and preventative medicine to our homeless populations on their turf.

This program is currently still in development; however, ARMC is in discussions with expositing programs and community organizations to align services and access to both primary and specialty care medical services.



CONTACT INFORMATION

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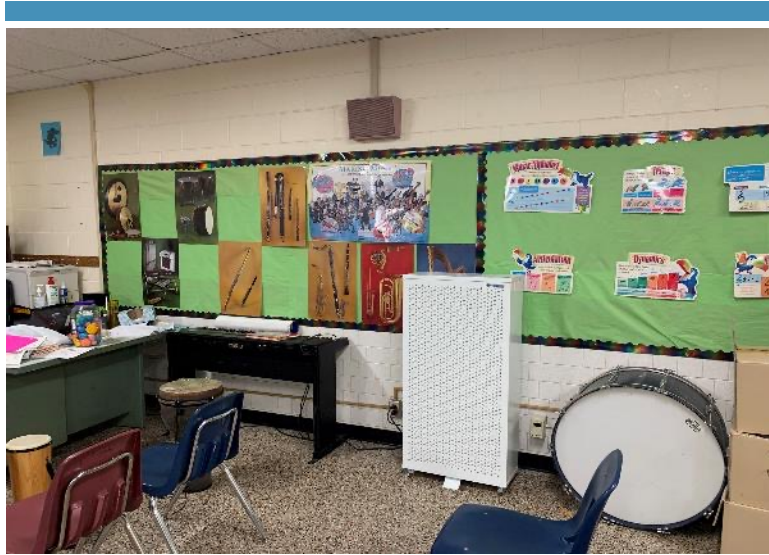
www.arrowheadregional.gov



**COMMUNITY EMISSIONS REDUCTION PLAN (CERP) IMPLEMENTATION UPDATE /
ACTUALIZACIÓN DE IMPLEMENTACIÓN DEL PLAN DE REDUCCIÓN DE EMISIONES
DE LA COMUNIDAD (CERP)**

**Private School Air Filtration Program in AB617 Communities
(Chapter 5g, Objective #2)**

**Programa de Filtración de Aire de Escuelas Privadas AB 617
(Capítulo 5g, Objetivo #2)**



PRIVATE SCHOOL AIR FILTRATION PROGRAM

Program Update
November 9, 2023

Veronica Tejada
Assistant Air Quality Specialist

PROGRAMA DE FILTRACIÓN DE AIRE DE ESCUELAS PRIVADAS

Actualización del Programa
Noviembre 9, 2023

Veronica Tejada
Asistente de Especialista en Calidad de Aire



PROGRAM OVERVIEW

AB 617 Private School Air Filtration Program



- CERP goal to:
 - Reduce exposure to harmful air pollutants, and
 - Install air filtration units



- Staff worked with CARB to identify Supplemental Environmental Project (SEP) funds for private schools
- Public school air filtration program under development with LAUSD



- \$1,275,000 available from Albertsons SEP

RESUMEN DEL PROGRAMA

Programa de Filtración de Aire de Escuelas Privadas AB 617



- Objetivo del CERP es:
 - Reducir la exposición a contaminantes nocivos del aire, y
 - Instalar unidades de filtración de aire



- El personal trabajó con CARB para identificar fondos del Proyecto Ambiental Suplementario (SEP) para escuelas privadas
- Programa para escuelas públicas en desarrollo con LAUSD



- \$1,275,000 disponible en Albertsons SEP

Background

Program Announcement

- Released Program Announcement in May 2022
- Application period closed September 8, 2022
- 204 applications received

Application Evaluation

- Staff evaluation of applications
- Development and execution of contracts
- Approved 184 applications

Project Implementation

- Vendors actively working to deliver over 1,000 air filtration units to all AB617 communities
- Vendors expect to complete deliveries by end of 2024

Antecedentes

Anuncio del programa

- Anuncio del programa publicado en mayo de 2022
- Plazo de solicitud cerró el 8 de septiembre de 2022
- 204 solicitudes recibidas

Evaluación de aplicaciones

- Evaluación de las solicitudes por parte del personal
- Desarrollo y ejecución de contratos
- 184 solicitudes aprobadas

Implementación del proyecto

- Proveedores trabajando activamente para entregar más de 1,000 unidades de filtración de aire
- Los proveedores esperan completar las entregas para fines de 2024

Applicant Eligibility and Benefits

Eligibility

- Must be a licensed childcare facility or school, and
- Located within an AB 617 Community

Benefits



- Provides one or more High Efficiency Particulate Filters (HEPA) per school
- 5 years of filter replacements
- Reduces school children and educator exposure to particulate matter, (PM) including diesel PM
- Reduces the risk of exposure and spread of Covid-19

Elegibilidad y Beneficios del Solicitante

Elegibilidad

- Debe ser un centro de cuidado infantil o escuela con licencia, y
- Ubicado dentro de una comunidad AB 617

Beneficios



- Proporciona uno o más filtros de partículas de alta eficiencia (HEPA) por escuela
- 5 años de reemplazo de filtros
- Reducir la exposición de los escolares y educadores a las materias en partículas (PM), incluido materia particulada de diésel
- Reduce el riesgo de exposición y propagación del Covid-19

San Bernardino Muscoy

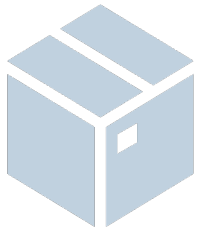
- Details:
 - 3 Schools/Daycare Facilities approved to receive air filtration units and filters
 - 19 air filtration units and over 100 filters
 - Around 190 students & teachers will benefit from this program

San Bernardino Muscoy

- Detalles:
 - 3 escuelas/guarderías aprobadas para recibir unidades de filtración de aire y filtros
 - 19 unidades de filtración de aire y 5 años de filtros
 - Alrededor de 190 estudiantes y profesores beneficiarán de este programa



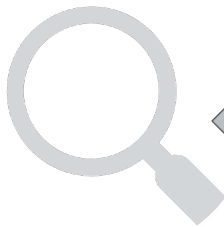
Next Steps



Contractors actively delivering and installing air filtration units and 5 years of filters to each site

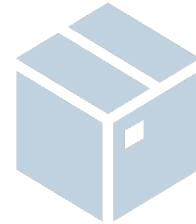


Quarterly reports due to CARB through end of 2028



Continue working with CARB to identify SEPs to reduce exposure to harmful air pollutants at schools, childcare centers, libraries and community centers

Próximos Pasos



Los contratistas están entregando e instalando activamente unidades de filtración de aire y 5 años de filtros en cada ubicación



Informes trimestrales debido a CARB hasta finales de 2028



Continuar trabajando con CARB para identificar SEPs para reducir la exposición a contaminantes nocivos del aire en escuelas, guarderías, bibliotecas y centros comunitarios

QUESTIONS / COMMENTS?

¿PREGUNTAS / COMENTARIOS?

Email



617airfiltration@aqmd.gov

Correo electrónico



617airfiltration@aqmd.gov

DISCUSSION

**COMMUNITY EMISSIONS REDUCTION PLAN (CERP) IMPLEMENTATION UPDATE /
ACTUALIZACIÓN DE IMPLEMENTACIÓN DEL PLAN DE REDUCCIÓN DE EMISIONES
DE LA COMUNIDAD (CERP)**

**Indirect Source Rule Update: Warehouse Action & Investments
to Reduce Emissions (WAIRE) Program**

(Chapter 5c, Objective #2)

**Actualización de la Norma de Fuente Indirecta: Programa de
Acciones de Depósito e Inversiones para Reducir Emisiones**

(Capítulo 5c, Objetivo #2)

SOUTH COAST AQMD WAREHOUSE INDIRECT SOURCE RULE

RULES 2305

WAREHOUSE ACTION AND INVESTMENTS
TO REDUCE EMISSIONS (WAIRE) PROGRAM

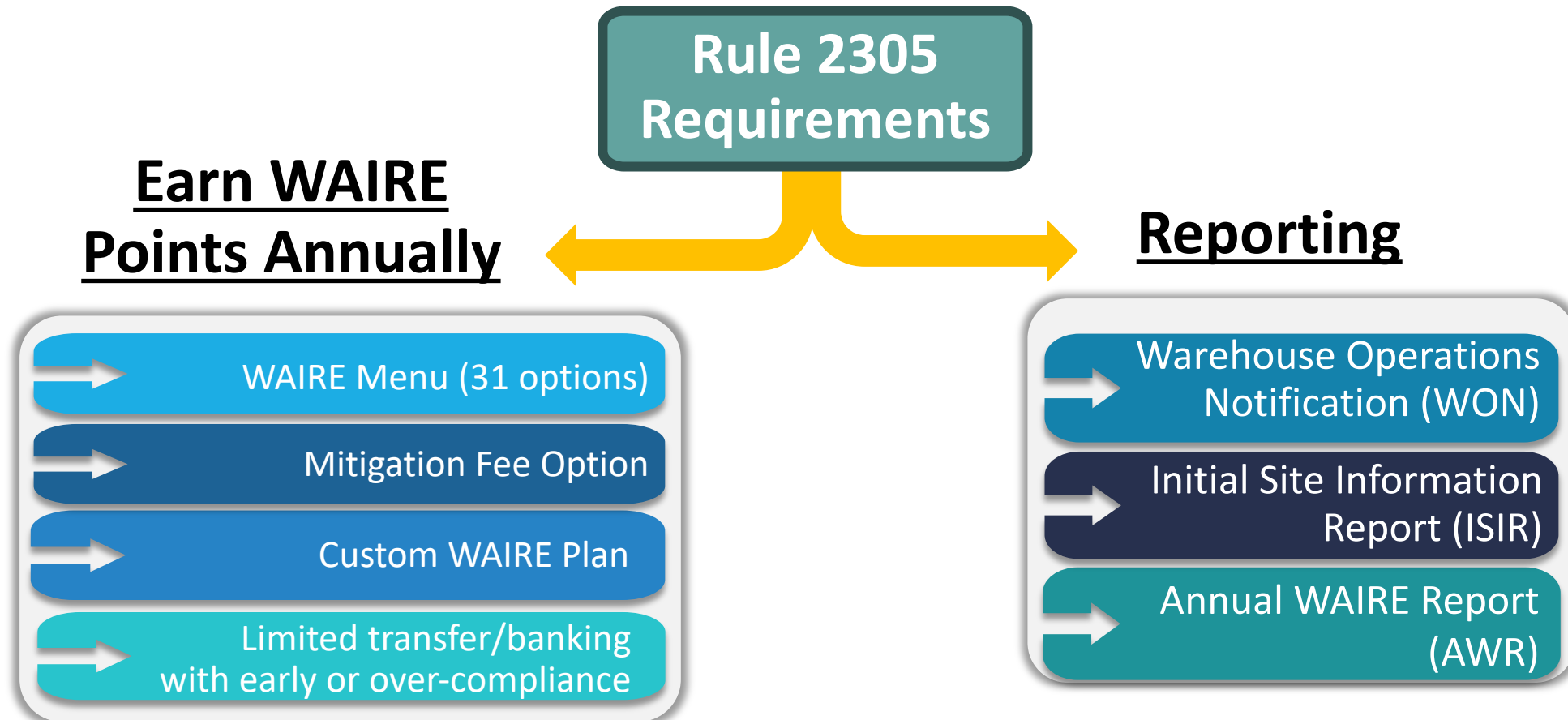
COMMUNITY STEERING COMMITTEE (CSC)
AB 617 IMPLEMENTATION UPDATE –
4TH QUARTER

NOVEMBER 9, 2023



WAIRE Program Overview

Owners and operators of warehouses $\geq 100,000$ square feet of indoor floor space:



WAIRE Program Phase-In Schedule

PHASE 1 (2022)

Warehouses
>250,000 sqft

- Initial report: July 5, 2022
- 1st annual report: March 2, 2023

PHASE 2 (2023)

Warehouses
150,000 to 250,000 sqft

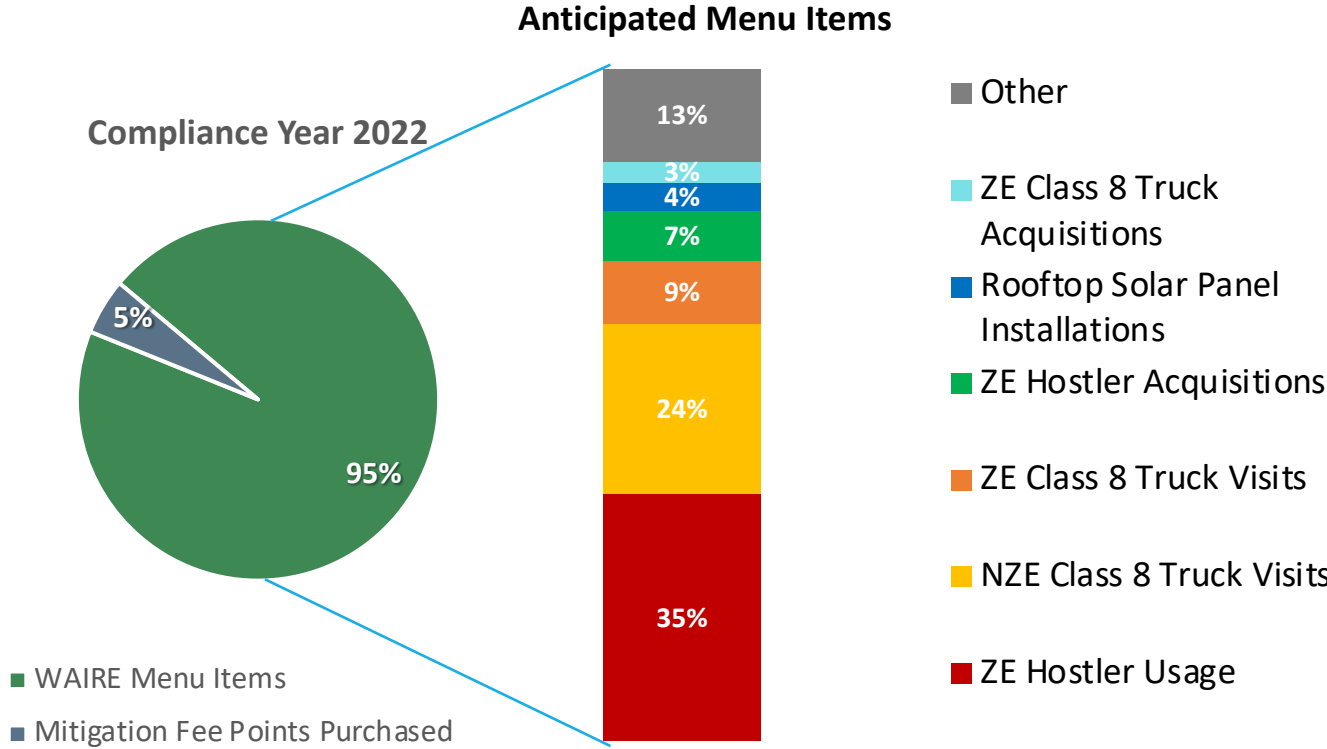
- Initial report: July 5, 2023
- **We are here!**
- 1st annual report: January 31, 2024

PHASE 3 (2024)

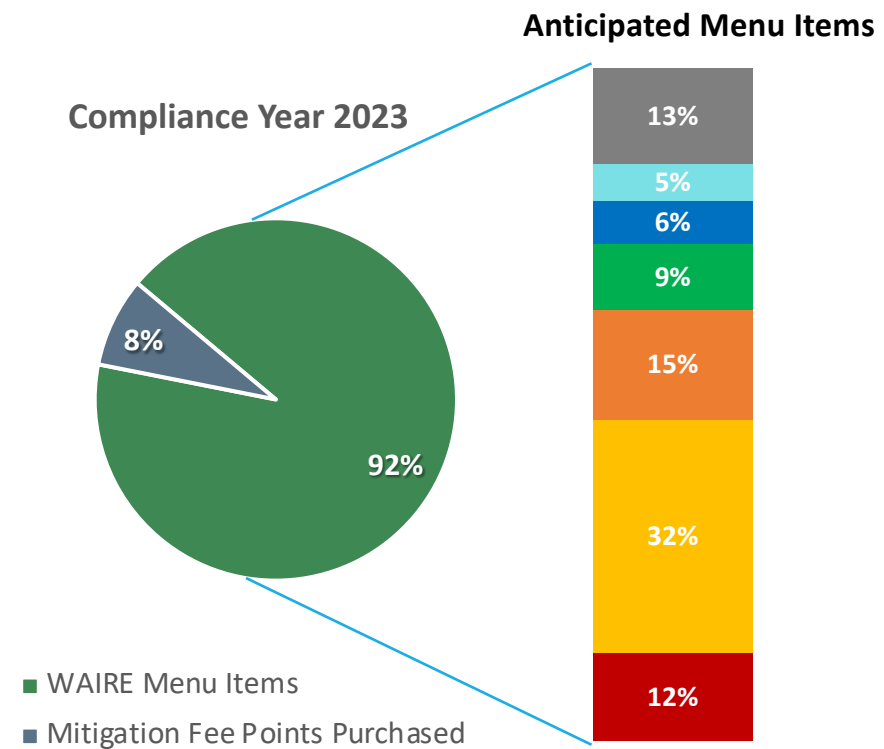
Warehouses
100,000 to 150,000 sqft

- Initial report: July 1, 2024
- 1st annual report: January 31, 2025

Initial Site Information Report Data



*Anticipated WAIRE Points
Compliance Obligation / Points Earned*:
39,939 / 225,618*

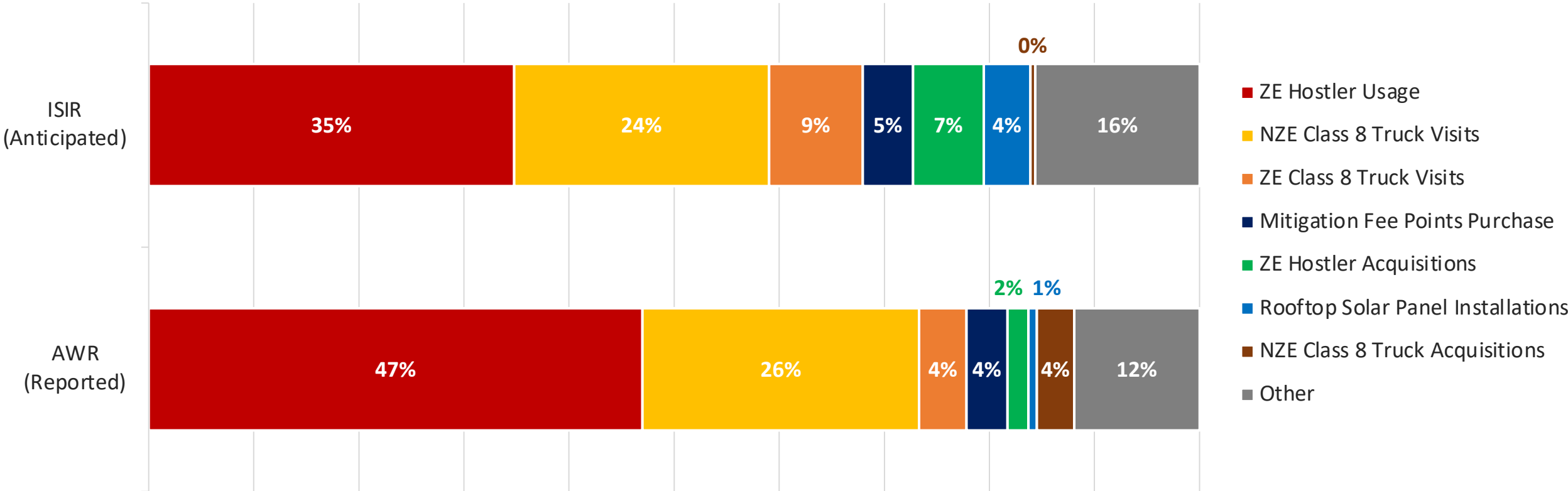


*Anticipated WAIRE Points
Compliance Obligation / Points Earned*:
9,897 / 22,794*

*Based on reported information.

Anticipated vs Earned WAIRE Points

Anticipated vs Earned Operator-Reported WAIRE Menu Items
(Compliance Year 2022)



*Unaudited results shown

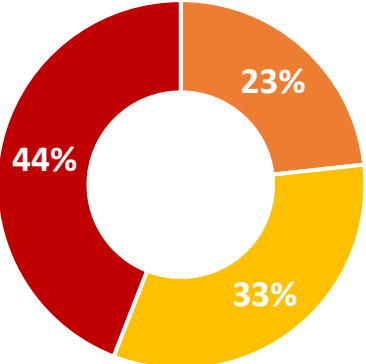
ZEV/Infrastructure Accounts for Most of WAIRE Points Earned

WAIRE Menu Item	Instances Reported	Count of Facilities	WAIRE Points Earned
150-350 kW Charger Acquisition	29 units	10	3,422
51-149 kW Charger Acquisition	46 units	12	2,346
19.2-50 kW Charger Acquisition	27 units	13	702
Up to 19.2 kW Charger Acquisition	50 units	7	250
TRU Charger Acquisition	6 units	5	1,494
ZE Class 2b-3 Truck Acquisition	127 units	6	1,143
ZE Class 8 Truck Acquisition	10 units	6	947
ZE Hostler Acquisition	44 units	28	5,452
ZE Class 2b-3 Truck Visits	19,782 visits	14	488
ZE Class 4-7 Truck Visits	3,225.5 visits	10	106
ZE Class 8 Truck Visits	79,305.5 visits	83	11,081
ZE Hostler Usage	389,884 hours	61	113,456

60% of all reported WAIRE Points earned

Emission Reductions From Reported Actions*

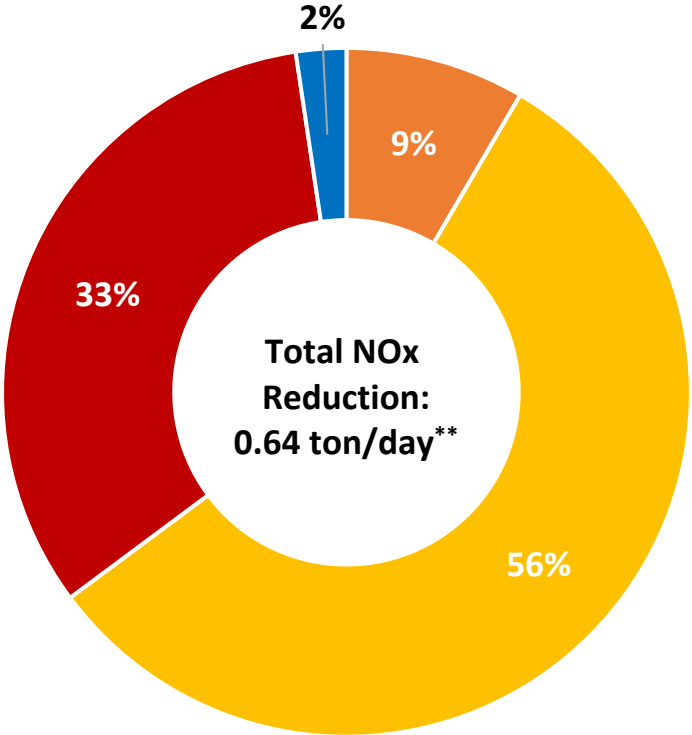
NOx Reduced (ton/day)
by Item in 2021



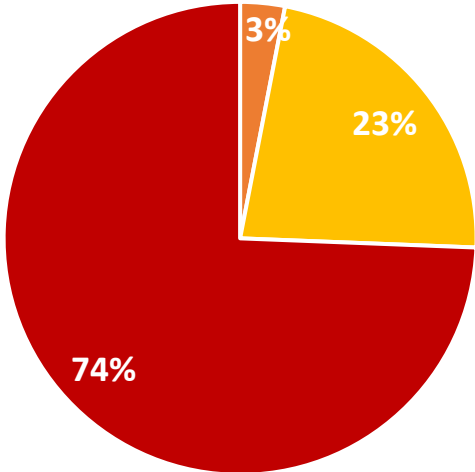
Total NOx Reduction: 0.13 ton/day

- ZE Truck Visits
- NZE Truck Visits
- ZE Hostler Usage
- Solar Usage

NOx Reduced (ton/day) by Item in 2022



Diesel PM Reduced (ton/day)
by Item in 2022



Total Diesel PM Reduction: 0.014 ton/day

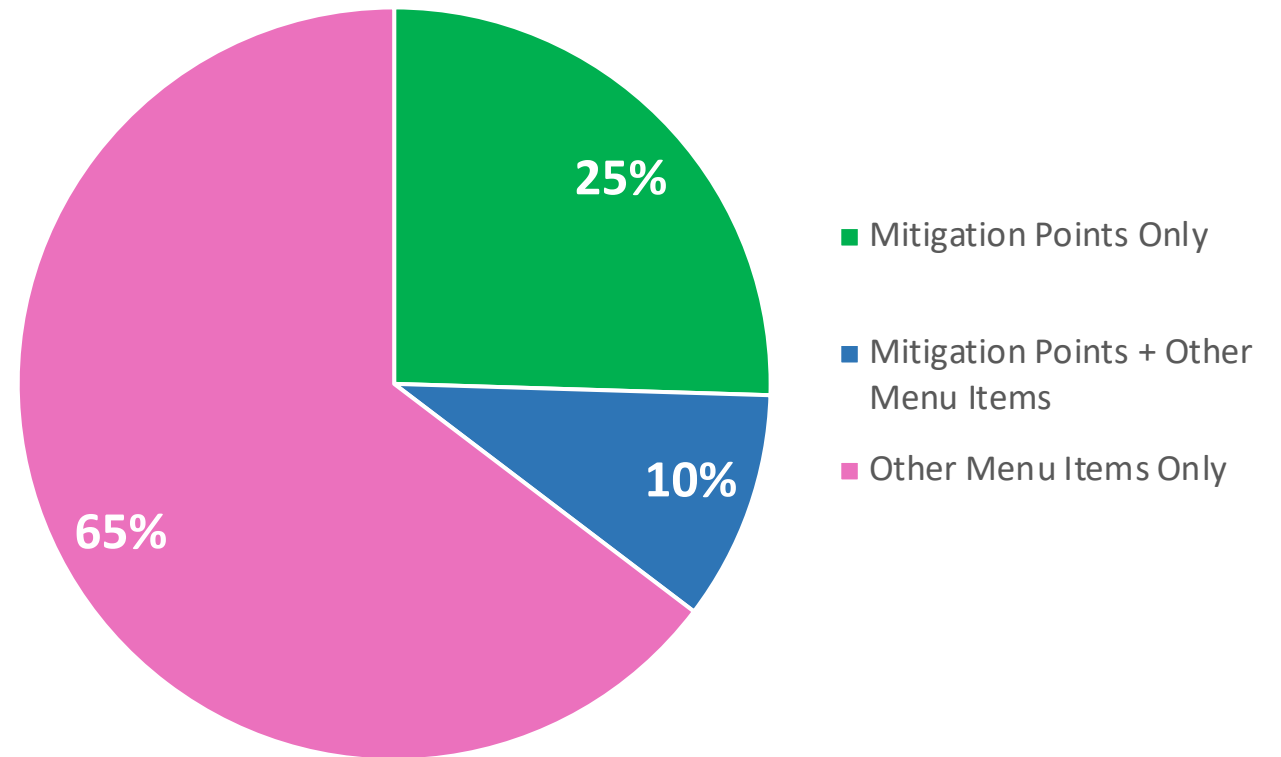
*Emission reductions from facilitating actions (e.g., ZE chargers) not included

** About 3% reduction of total NOx from warehouses subject to rule

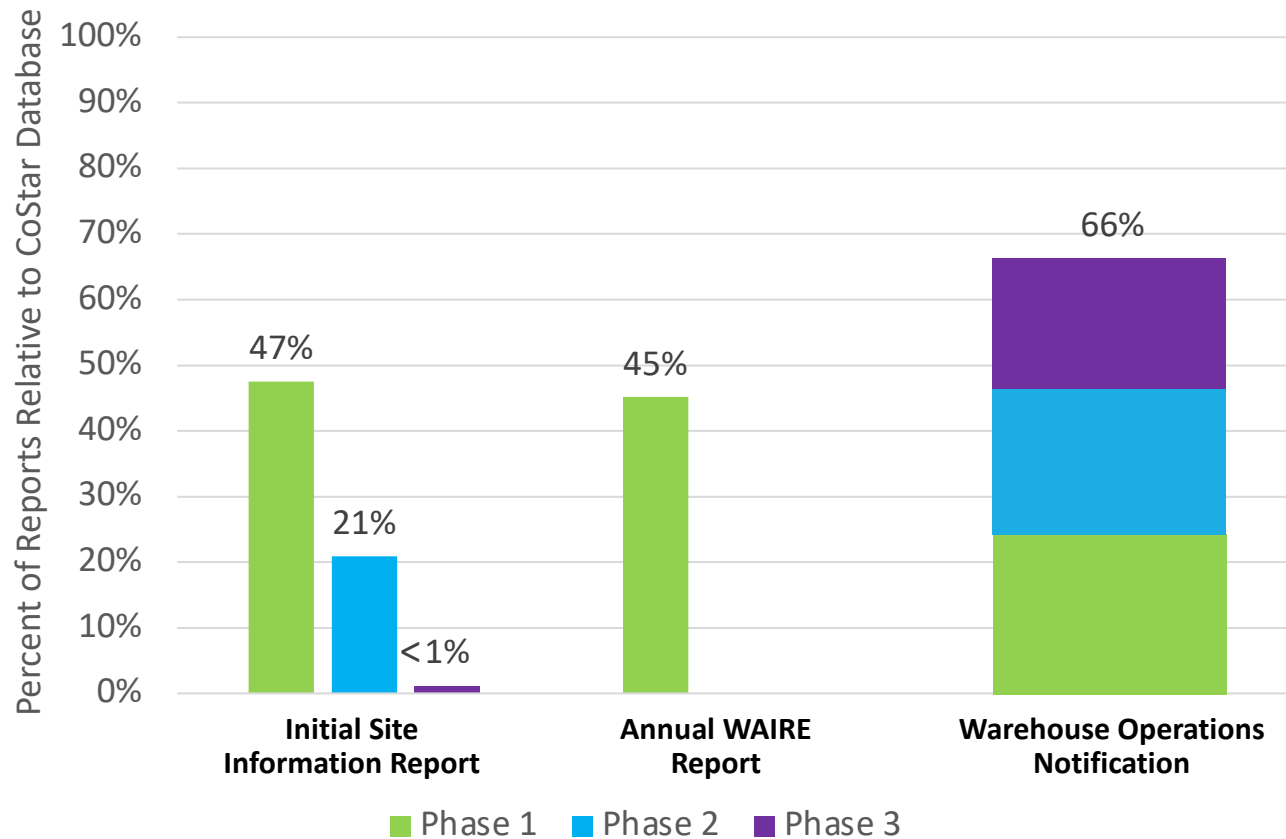
Mitigation Fees

- About 3% of all WAIRE Points are comprised of Mitigation Fee Points
- \$9.2 million in mitigation fees paid
 - About \$1.6 million of this total has not yet been paid

Percentage of Warehouse Operators Who Paid Mitigation Fees



Reporting Rates By Phase



Population of warehouses with 100,000 sq. ft. based on CoStar database:

- 3,476 potential warehouses*
 - 1,019 in Phase 1
 - 1,041 in Phase 2
 - 1,416 in Phase 3


Owner-Submitted Reports

- 2,301 warehouses
- 66% of total anticipated population

*Subject to rule applicability verification (e.g., building size, warehousing vs. manufacturing, etc.)

Recent Outreach Activity

- Compliance Advisory
 - Posted to Compliance [website](#) in September 2023
 - Sent to 8,376 warehouse owners' and operators' emails & addresses
- [Press Release](#)
 - Published on September 20, 2023
- WAIRE Hotline & Email Inquiries
 - Staff provides technical assistance with report and fee submittals, rule interpretation, compliance options
 - Significant increase in inquiries since Compliance Advisory was sent
- Site Visits
 - Pandemic limited in person visits until 2023
 - Increased staff sent out for site visits in 2023



**South Coast
Air Quality Management District**
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

COMPLIANCE ADVISORY
September 12, 2023

Notice to All Warehouse Owners and Operators regarding Upcoming Enforcement Action and Potential Daily Penalties

[South Coast AQMD Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions \(WAIRE\) Program](#) was adopted in May 2021. This rule was developed to reduce NOx and PM emissions associated with warehouses and the mobile sources attracted to warehouses.

Rule 2305 applies to all warehouses within [South Coast AQMD's jurisdiction](#) that have at least 100,000 square feet of indoor floor space in a single building. The rule established a three-phase implementation approach based on warehouse size.

- Phase 1: Warehouses 250,000 square feet or more – first submission required by Rule 2305 was due in calendar year [2022](#);
- Phase 2: Warehouses 150,000 to 249,999 square feet – first submission was due in July 2023; and
- Phase 3: Warehouses 100,000 to 149,999 square feet – first submission due in 2024.

The WAIRE Program set reporting deadlines for each phase of implementation. The following deadlines apply:

- > For Phase 1 Warehouses: July 5, 2022, and
- > For Phase 2 Warehouses: July 5, 2023.

These reports must be submitted to xappp.aqmd.gov/jsp.

South Coast AQMD encourages warehouse owners and operators of warehouses to voluntarily come into compliance with Rule 2305. Violators of Rule 2305 who are not in compliance with the rule are subject to increased penalties.

More information regarding Rule 2305 is available on the www.aqmd.gov webpage (www.aqmd.gov) or by calling the WAIRE Hotline (909) 396-3141.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
PRESS RELEASE
www.aqmd.gov @SouthCoastAQMD

FOR IMMEDIATE RELEASE: September 20, 2023
MEDIA CONTACT:
Nahal Mogharabi, (909) 396-3773, Cell: (909) 837-2431
Kim White, (909) 396-3456, Cell: (909) 323-9479
press@aqmd.gov

South Coast AQMD Launches Enforcement Initiative to Address Noncompliant Warehouses
First Phase Will Focus on Violators in Environmental Justice Communities

DIAMOND BAR—Today the South Coast Air Quality Management District (South Coast AQMD) announced an enforcement initiative to bring warehouses into compliance with its Warehouse Indirect Source Rule (Rule 2305). About 55% of warehouses that are required to provide information reports on the actions they took in the first year have yet to do so. Overall, there are 2,000 warehouses currently subject to the rule, with 1,400 of those currently out of compliance. Violators of air quality rules can face civil penalties of up to \$11,710 per day of noncompliance based on a strict liability standard.

Questions?



waire-program@aqmd.gov



(909) 396-3140



www.aqmd.gov/waire



www.aqmd.gov/sign-up → WAIRE Program Compliance

UPDATE / ACTUALIZACIÓN

**Update on Potential Railroad Memorandum of
Understanding /**

**Actualización sobre el Posible Memorándum de
Entendimiento Ferroviario**

PUBLIC COMMENT / COMENTARIO PÚBLICO

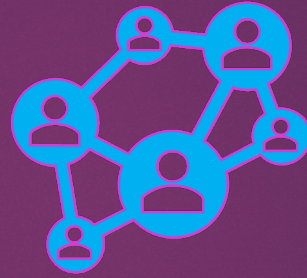
AB617comments@aqmd.gov

*9 Raise Hand / Levantar La Mano

*6 Unmute / Activar El Sonido

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



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

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 or 909.396.2250

THANK YOU / GRACIAS

**For more information, questions, or suggestions after this meeting:
Para más información, preguntas o sugerencias después de esta reunión:**

Daniel Wong

AB 617: SBM Community Liaison

dwong@aqmd.gov

Next Meeting: (TBD) February 2024

<https://aqmd.gov/AB617/SBM>