

AB 617 Community Air Protection Program
Calexico-Heber-El Centro
Steering Committee Meeting Agenda
Heber Teresa Estrada Community Center
1132 Heber Ave.
Heber, CA 92249

MEETING AGENDA
Wednesday, October 14, 2026
5:30 p.m. – 7:30 p.m.

WELCOME

- 1. ROLL CALL/OPENING REMARKS BY CSC MEMBERS** **CSC**
- 2. PUBLIC COMMENT PERIOD** **CSC**
Comments are to be limited to no more than 3 minutes per person.
- 3. APPROVAL OF MINUTES** **CSC**
Review and approval of Minutes of the July 8, 2026 CSC Meeting.
(Attachment: [July 8, 2026 Minutes](#))
- 4. PRESENTATIONS**
 - A. ASMA: Asthma Smart Management Awareness** **ICPHD**
Imperial County Public Health Department Staff will present an update of the Asthma Smart Management Awareness Program in collaboration with the Imperial County Air Pollution Control District.
(Attachment: [ASMA: Asthma Smart Management Awareness](#))
 - B. EPA New River Air Quality Monitoring Project** **SCS Engineers**
SCS Engineers will present an overview of the EPA funded New River Air Quality Monitoring Project.
(Attachment: [EPA New River Air Quality Monitoring Project](#))
 - C. AB 617 South-End Corridor Budget and Projects Update** **ICAPCD**
ICAPCD Staff will present the budget and projects status for the AB 617 South-End: Calexico-El Centro-Heber Corridor.
(Attachment: [AB 617 South-End Corridor Budget and Projects Update](#))
 - D. Carl Moyer and FARMER Programs** **ICAPCD**
ICAPCD Staff will present an overview of both the Carl Moyer and FARMER Programs.
(Attachment: [Carl Moyer and FARMER Programs](#))

AB 617 Community Air Protection Program
Calexico-Heber-El Centro
Steering Committee Meeting Agenda
Heber Teresa Estrada Community Center
1132 Heber Ave.
Heber, CA 92249

5. DISCUSSION/INFORMATION ITEMS

A. Imperial County AB 617 Open Discussion

CSC

Open discussion regarding the Imperial County AB 617 Calexico-Heber-El Centro Corridor.

6. AGENCY UPDATES

CSC

7. AGENDA TOPICS FOR NEXT MEETING

CSC

Discuss agenda topics for the next in-person CSC meeting on January 13, 2027 at the Heber Teresa Estrada Community Center (1132 Heber Ave., Heber, CA 92249).

8. CLOSING REMARKS/ADJOURNMENT

CSC

AB 617 Programa de Protección del Aire Comunitario
Calexico-Heber-El Centro
Agenda de la reunión del comité directivo
Heber Teresa Estrada Community Center
1132 Heber Ave.
Heber, CA 92249

AGENDA DE LA REUNIÓN
Miercoles, 14 de octubre de 2026
5:30 p.m. – 7:30 p.m.

BIENVENIDOS

- 1. PASE DE LISTA/PALABRAS DE APERTURA DE LOS MIEMBROS DEL CSC** **CSC**
- 2. PERÍODO DE COMENTARIOS PÚBLICOS** **CSC**
Los comentarios deben limitarse a no más de 3 minutos por persona.
- 3. APROBACIÓN DE LAS MINUTAS** **CSC**
Revisión y aprobación del Acta de la reunión del CSC del 8 de julio de 2026.
(Adjunto: [Acta del 8 de julio de 2026](#))
- 4. PRESENTACIONES**
 - A. ASMA: Asthma Smart Management Awareness** **ICPHD**
El personal del Departamento de Salud Pública del Condado de Imperial presentará una actualización del Programa de Concienciación sobre la Gestión Inteligente del Asma en colaboración con el Distrito de Control de la Contaminación del Aire del Condado de Imperial.
(Adjunto: [ASMA: Asthma Smart Management Awareness](#))
 - B. EPA New River Air Quality Monitoring Project** **SCS Engineers**
Los ingenieros de SCS presentarán una visión general del Proyecto de Monitorización de la Calidad del Aire del Rio Nuevo, financiado por la EPA.
(Adjunto: [EPA New River Air Quality Monitoring Project](#))
 - C. Actualización del presupuesto y proyectos del corredor sur AB 617** **ICAPCD**
El personal de ICAPCD presentará el presupuesto y el estado de los proyectos para el AB 617 Sur: Corredor Calexico-El Centro-Heber.
(Adjunto: [Actualización del presupuesto y proyectos del corredor sur AB 617](#))
 - D. Carl Moyer and FARMER Programs** **ICAPCD**
El personal de ICAPCD presentará una descripción general de los programas Carl Moyer y FARMER.
(Attachment: [Carl Moyer and FARMER Programs](#))

AB 617 Programa de Protección del Aire Comunitario
Calexico-Heber-El Centro
Agenda de la reunión del comité directivo
Heber Teresa Estrada Community Center
1132 Heber Ave.
Heber, CA 92249

5. PUNTOS DE DISCUSIÓN/INFORMACIÓN:

A. Condado de Imperial AB 617 Discusión Abierta

CSC

Discusión abierta sobre el corredor Calexico-Heber-El Centro AB 617 del condado Imperial.

6. ACTUALIZACIONES DE LAS AGENCIAS

CSC

7. TEMAS DE LA AGENDA PARA LA PRÓXIMA REUNIÓN

CSC

Discutir los temas de la agenda para la próxima reunión presencial del CSC el 13 de enero de 2027 en el Centro Comunitario Heber Teresa Estrada (1132 Heber Ave., Heber, CA 92249).

8. OBSERVACIONES DE CLAUSURA/CIERRE

CSC

3. Minutes:
July 8, 2026
CSC Meeting

**AB 617 Community Air Protection Program
Minutes of the Steering Committee Meeting
Heber, California
July 8th, 2026**

Facilitator: Imperial County Air Pollution Control District

I. Attendance:

Primaries: **Sergio Cabañas**, Community Corridor; **Rene Felix**, Community Corridor; **Michael Moore**, Community Corridor; **Mary Salazar**, Community Corridor; **Paolo Alvarado**, Community Corridor; **Jose Landeros**, Community Corridor; **David Aguirre**, Community Corridor.

Alternates: **Melissa Sandoval**, Community Corridor; **Gustavo Gomez**, Community Corridor.

Other Agency Staff: **Belen Leon-Lopez**, Imperial County Air Pollution Control District; **Ismael Garcia**, Imperial County Air Pollution Control District; **Adriana Carrillo**, Imperial County Air Pollution Control District; **Elysse Mosquera**, Imperial County Public Health Department; **Patrick Brecht**, California Air Resources Board.

I. Welcome and Opening Remarks by CSC Members

Jose Landeros welcomed everyone. He shared the different ways that the public could view the meeting. He explained how attendees could access the agenda packet for the discussion and how to submit comments for the debate.

Carlos Diaz de Leon gave instructions on how to use the translation services.

Adriana Carrillo noted they reached a quorum.

Paolo Alvarado commended the committee for its work on the Heber sidewalk projects, noting the project's positive impact on the area's appearance and the health benefits for residents. He mentioned that the Fourth of July had recently passed, and there were numerous fireworks. He observed that a group of palm trees had caught fire, likely because of the fireworks, and suggested considering drone shows as a safer alternative to traditional fireworks displays.

Sergio Cabañas thanked the district for selecting **Diana Garcia** as a speaker for the Heber sidewalk project, noting that she has contributed to the community. Regarding the fireworks mentioned by **Paolo Alvarado**, he commented that the Calipatria fireworks show was well organized and featured strong community participation.

II. Public Comments

There were no public comments.

III. Approval of Minutes

Sergio Cabañas motioned to approve the minutes of the April 15th meeting.

Paolo Alvarado seconded the motion.

The motion passed.

IV. Presentations

Air Justice; Adriana Carrillo, ICAPCD.

There was no discussion on this presentation.

ASMA: Asthma Smart Management Awareness, Elysse Mosquera; IC Public Health Department.

Sergio Cabañas expressed his appreciation for the launch of an asthma program in Imperial Valley. He suggested presenting the program at the Northend Committee AB 617 meeting.

René Félix commented that the strategic alliance they are seeking to establish with the schools is very appealing. He noted that the young students in the area are their best allies and emphasized the need to make a significant effort in the field of education.

Elysse Mosquera agreed on the importance of educating young people but added that the general public also needed to be informed, as there are many misconceptions about asthma.

Sergio Cabañas mentioned that smaller school districts such as Meadows, Pine, and Seeley should also be included, noting that these schools are located very close to agricultural areas.

Paolo Alvarado said the straw demonstration was very eye-opening and commended the team on their presentation. He asked whether the Health Department had reached out to Calexico High School and offered to follow up if they had not.

Elysse Mosquera noted that they had already reached out but expressed interest in obtaining a contact within both the elementary and high school districts.

AB 617 South-End Corridor Budget and Projects Update, Adriana Carrillo; ICAPCD.

Sergio Cabañas asked for further context on why the projects went over budget.

Adriana Carrillo explained that the projects went over budget because all paving projects were approved along with the urban greening initiative. She added that the CSC agreed to take on these projects, and ICAPCD would cover the additional costs.

David Aguirre asked what happens to projects that exceed the approved budget.

Adriana Carrillo explained that the projects would remain unchanged since they were already under contract. She noted that ICAPCD would cover the portion that exceeded the budget.

Ismael Garcia added that ICAPCD had multiple revenue streams available to address any concerns related to projects going over budget.

V. Discussion / Information Items

Imperial County AB 617 Open Discussion.

Paolo Alvarado asked if they had any other meetings after October.

Adriana Carrillo mentioned that the October meeting would be the final meeting of the year.

VI. Agency Updates

Adriana Carrillo mentioned that the ribbon-cutting ceremony for the Desert Shores Soccer Park would begin at 8 a.m. and invited everyone to attend.

VII. Topics on the Agenda and Date for the Next Meeting.

Paolo Alvarado asked if APCD could contact HPUD for updates on any greenbelt projects.

Belén León-López suggested presenting any progress on the asthma program at the next meeting.

VIII. Final Observations / Closing Remarks

Adriana Carrillo thanked everyone for attending.

Meeting adjourned.

Programa Comunitario de Protección Atmosférica Bajo el Auspicio del Proyecto de Ley AB 617
Minuta de la Reunión del Comité Directivo
Heber, California
8 de julio de 2026

Facilitadora: Distrito de Control de la Contaminación del Aire del Condado de Imperial

I. Asistencia:

Titulares: **Sergio Cabañas**, Corredor Comunitario; **René Félix**, Corredor Comunitario; **Michael Moore**, Corredor Comunitario; **Mary Salazar**, Corredor Comunitario; **Paolo Alvarado**, Corredor Comunitario; **José Landeros**, Corredor Comunitario; **David Aguirre**, Corredor Comunitario.

Suplentes: **Melissa Sandoval**, Corredor Comunitario; **Gustavo Gomez**, Corredor Comunitario.

Otro personal de las dependencias: **Belén León-López**, Distrito de Control de la Contaminación del Aire del Condado de Imperial; **Ismael García**, Distrito de Control de la Contaminación del Aire del Condado de Imperial; **Adriana Carrillo**, Distrito de Control de la Contaminación del Aire del Condado de Imperial; **Elysse Mosquera**, Departamento de Salud Pública del Condado de Imperial; **Patrick Brecht**, Junta de Recursos del Aire de California.

II. Bienvenida y Comentarios Iniciales de los Miembros del CSC

José Landeros dio la bienvenida a todos. Compartió las diferentes maneras en que el público podía ver la reunión. Explicó cómo los asistentes podían acceder al paquete de documentos para la discusión y cómo enviar comentarios para el debate.

Carlos Díaz de León dio las instrucciones sobre cómo usar los servicios de traducción.

Adriana Carrillo indicó que se había alcanzado el quórum.

Paolo Alvarado felicitó al comité por su trabajo en los proyectos de aceras de Heber, destacando el impacto positivo del proyecto en la apariencia de la zona y los beneficios para la salud de los residentes. Mencionó que el 4 de julio había pasado recientemente y que hubo numerosos fuegos artificiales. Observó que un grupo de palmeras se había incendiado, probablemente como resultado de los fuegos artificiales, y sugirió considerar espectáculos con drones como una alternativa más segura a los espectáculos de fuegos artificiales tradicionales.

Sergio Cabañas agradeció al distrito por elegir a **Diana García** como oradora para el proyecto de aceras de Heber, destacando su gran contribución a la comunidad. Respecto a los fuegos artificiales mencionados por **Paolo Alvarado**, comentó que el espectáculo de fuegos artificiales de Calipatria estuvo bien organizado y contó con una gran participación de la comunidad.

III. Comentarios Públicos

No hubo comentarios públicos.

I. Aprobación de Minutas

Sergio Cabañas propuso aprobar las minutas de la reunión del 15 de abril.

Paolo Alvarado secundó la moción. La moción fue aprobada.

IV. Presentaciones

Air Justice; Adriana Carrillo, ICAPCD.

No hubo debate sobre esta presentación.

ASMA: Asthma Smart Management Awareness, Elysse Mosquera; IC Public Health Department.

Sergio Cabañas expresó su agradecimiento por el lanzamiento de un programa de asma en el Valle Imperial. Sugirió presentar el programa en la reunión del Comité Northend AB 617.

René Félix comentó que la alianza estratégica que se busca establecer con las escuelas resulta muy atractiva. Señaló que los jóvenes estudiantes de la zona son sus mejores aliados y destacó la necesidad de realizar un esfuerzo importante en el ámbito educativo.

Elysse Mosquera coincidió en la importancia de educar a los jóvenes, pero agregó que también es necesario informar al público en general, ya que hay muchos conceptos erróneos sobre el asma.

Sergio Cabañas mencionó que también deberían incluirse distritos escolares más pequeños como Meadows, Pine y Seeley, señalando que estas escuelas se encuentran muy cerca de zonas agrícolas.

Paolo Alvarado dijo que la demostración con paja fue muy reveladora y felicitó al equipo por su presentación. Preguntó si el Departamento de Salud se había comunicado con la Preparatoria Calxico y se ofreció a dar seguimiento en caso de que no lo hubieran hecho.

Elysse Mosquera señaló que ya se habían puesto en contacto con ellos, pero expresó interés en obtener un contacto tanto en el distrito de escuelas primarias como en el de escuelas secundarias.

Actualización sobre el presupuesto y proyectos del Corredor Sur AB 617, Adriana Carrillo; ICAPCD.

Sergio Cabañas solicitó más información sobre por qué los proyectos superaron el presupuesto.

Adriana Carrillo explicó que el sobrecoste se debió a que todos los proyectos de pavimentación se aprobaron junto con la iniciativa de reverdecimiento urbano. Añadió que la CSC aceptó realizar estos proyectos y que ICAPCD cubriría los costos adicionales.

David Aguirre preguntó qué sucede con los proyectos que superan el presupuesto aprobado.

Adriana Carrillo explicó que los proyectos se mantendrían sin cambios, ya que estaban bajo contrato. Indicó que ICAPCD cubriría la parte que excediera el presupuesto.

Ismael Garcia agregó que ICAPCD cuenta con diversas fuentes de ingresos para abordar cualquier problema relacionado con proyectos que superen el presupuesto.

V. Temas de Discusión / Información

Discusión Abierta del Condado Imperial AB 617.

Paolo Alvarado preguntó si tenían alguna otra reunión después de octubre.

Adriana Carrillo mencionó que la reunión de octubre sería la última del año.

VI. Actualizaciones de las Dependencias

Adriana Carrillo mencionó que la ceremonia de inauguración del Desert Shores Soccer Park comenzaría a las 8 de la mañana e invitó a todos a asistir.

VII. **Temas de la Agenda y Fecha para la Próxima Reunión.**

Paolo Alvarado preguntó si APCD podía contactar a HPUD para obtener información actualizada sobre los proyectos de cinturones verdes.

Belén León-López sugirió presentar los avances del programa de asma en la próxima reunión.

VIII. **Observaciones Finales / Clausura**

Adriana Carrillo agradeció a todos por asistir.

Se levanta la sesión.

4. Presentations:
**A. ASMA: Asthma Smart
Management Awareness
(ICPHD)**

July - August 2026 Updates

Asthma Smart Management Awareness Program



Funding statement

The ASMA Program is a grant-funded initiative made possible through the AB 617 Program and California Climate Investments. The program is a collaboration with the Imperial County Air Pollution Control District and implemented by the Imperial County Public Health Department to improve asthma education, selfmanagement skills, and overall awareness of the condition across Imperial County.



Focus Cities:

Year 1: Program Planning & Evaluation

Year 2: South Corridor

- Calexico, El Centro, and Heber

Year 3: North Corridor

- Brawley, Calipatria, and Westmorland

Focus Areas:

- Outreach & Education
- Community Partnerships
- Healthcare Provider Liaison
- Asthma Friendly Schools
- Policy, Systems, and Environmental Changes



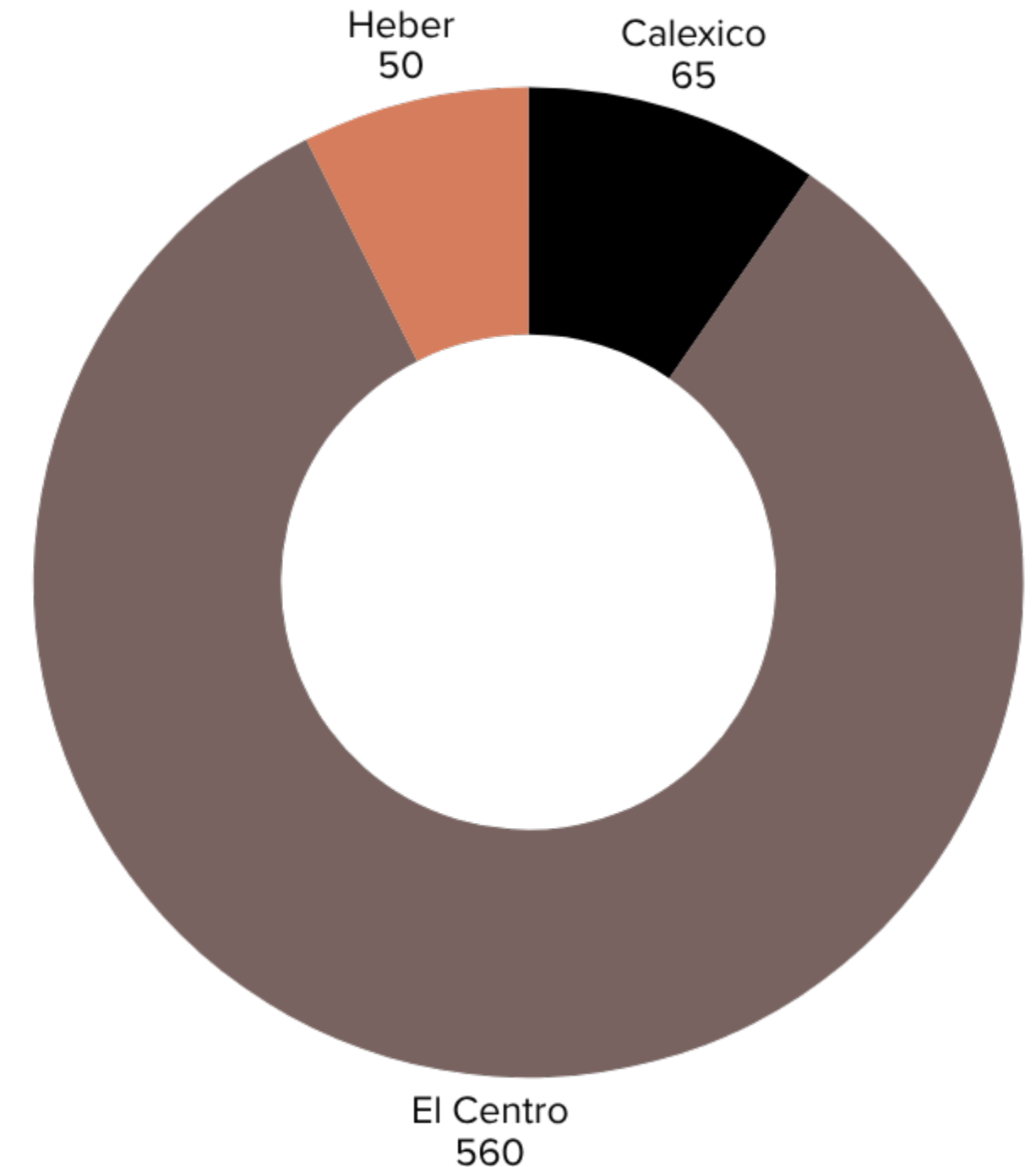
Outreach & Education

Reach

- 675 individuals (July - Aug 2026)
- Asthma Education Sessions

Staff Training & Preparation

- Kickin' Asthma Facilitator Training
- Approvals & Finalization of Curricula
 - Community Healthcare for Asthma Management and Prevention of Symptoms (CHAMPS) Adaptation
 - General Asthma Basics Curriculum



**Outreach Breakdown
(July - August 2026)**

Kickin' Asthma

What is Kickin' Asthma?

- Asthma management program for kids ages 1-16 (GRADES 1-6)

How Kickin' Asthma Works

- Teaches children how to detect the warning signs, avoid triggers, and make decisions about their health
- Small group: 5-10 students
 - 4, 45-minute sessions taught consecutively or one week apart

Why use it?

- Pilot study group experienced significantly fewer symptoms, days with activity limitation, nights of sleep disturbances, and emergency department visits.

Community Partnerships

- Tobacco Education Program
 - CX Process
 - Coalition for a Tobacco-Free Imperial County
 - Multi-Unit Housing Workgroup
- SDSU-IV Nursing Program
 - Presented to 4 cohorts
 - Collaborated on an environmental scan
- Maternal, Child, & Adolescent Health Program
- ECRMC's Asthma Wellness Program (AWP)
- Imperial County Community Health Improvement Plan - Priority Area 2



Healthcare Provider Liaison

ECRMC's Asthma Wellness Program

- FindHelpCHPIV.org

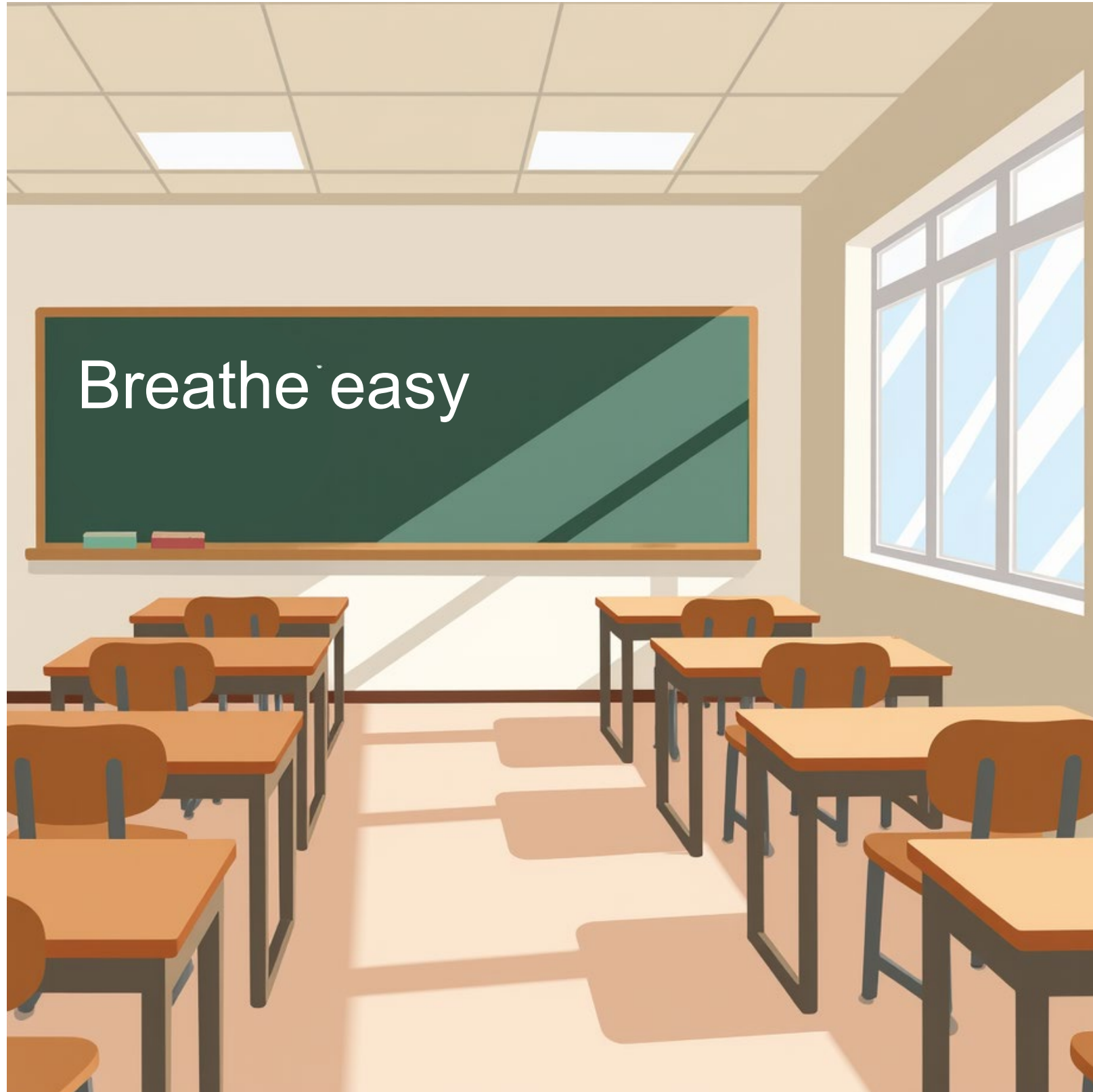
SDSU-IV Nursing Program

- Environmental Scan for Asthma Providers in Imperial County



Policy, Systems, and Environmental Changes

- Juvenile Hall Wellness Committee
- Tobacco Education Program's Multi-Unit Housing Workgroup
 - Focused work in Calexico
- Asthma-related school policies currently in place
 - California Education Code 49423.1
 - Addresses self-carry policies in school



Asthma in Schools

- Children with asthma are at an increased risk for experiencing health and educational disparities.
- 47.5% of asthmatic school children reported absenteeism.
 - Per the US Department of Education, absenteeism is defined as missing 10% or more school.
- Schools are favorable environments to address the burden of asthma.

Asthma Friendly Schools

ICOE School Nurse Roundtable

- Connected with El Centro Elementary School District & Calexico School District

Central Union High School

- Asthma Student Ambassadors

Heber School District

- Asthma Student Ambassadors at Heber School
 - Earth Day Celebration at Heber School
- CHAMPS adaptation presentation in January

Asthma Student Ambassador

Purpose: empower students to promote asthma awareness on campus, creating asthma-friendly schools.

Training will follow the American Lung Association's Asthma Basics curriculum and will include the following components:

- Session 1: Introduction to the program
- Sessions 2–5: Asthma Basics training
- Lunchtime Activities: Student Ambassadors lead asthma-focused activities and host information tables
 - Activities will vary based on student and staff availability
- Presentation of Findings to School Administration
 - Opportunities to present include World Asthma Day, Earth Day, and School Board meetings

Services we offer:

- Asthma Education
 - Kickin' Asthma, ALA
 - Asthma Basics
 - CHAMPS Lessons
- Technical Assistance with Wellness Policies
- Resources to best practices when it comes to asthma friendly schools
- Referrals to Asthma Wellness Program at ECRMC
- Asthma Student Ambassador Program

School Albuterol Access Initiative

Governor Newsom is making asthma medication FREE and available at public and charter schools around CA for up to 3 years.

Albuterol, also known as a rescue inhaler, relaxes the muscles around the airways in the lungs to treat sudden breathing issues and can avert emergencies and emergency room visits.

- Funding to supply California public, charter and transitional kindergarten through grade 12 (TK-12)
- Receive two 90-microgram-per-actuation emergency stock albuterol with 25 single-use disposable spaces
- Additional re fills & for Private Schools
 - \$9.50 per inhaler and \$93.75 per 25-pack of spacers

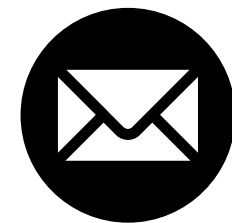


Sources:

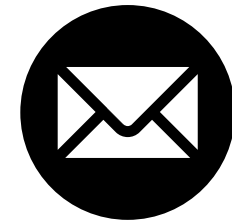
- <https://www.gov.ca.gov/2026/08/20/california-sends-free-life-saving-asthma-inhalers-to-all-schools/>
- <https://calrx.ca.gov/albuterol/>

Thank you!

Connect with our Team



email: ICPHDASMA@co.imperial.ca.us

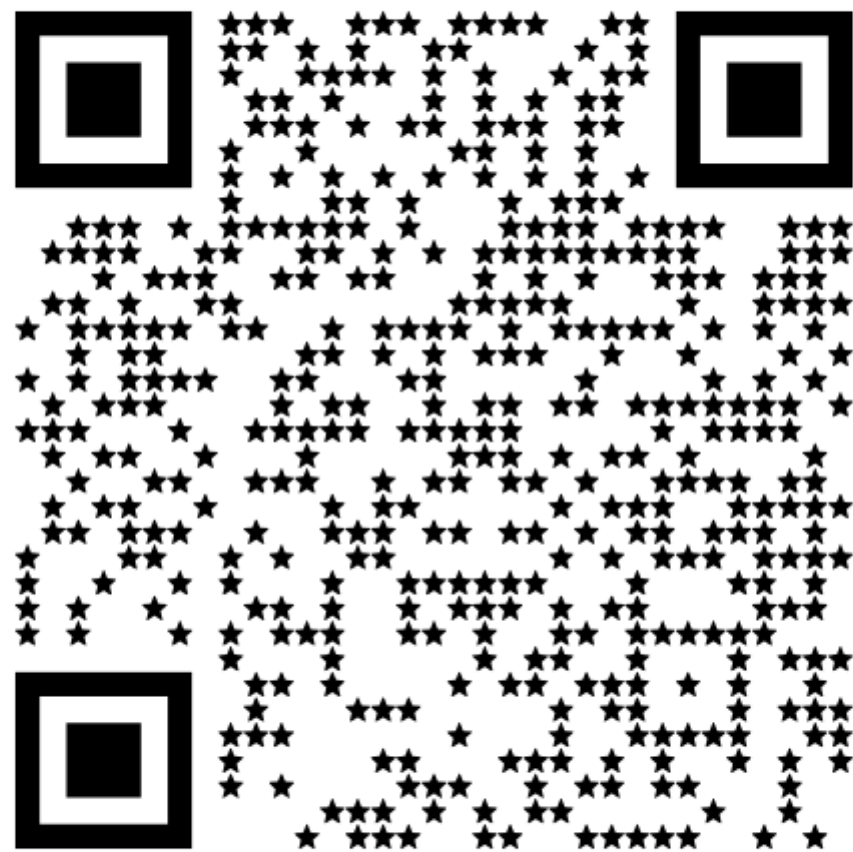


email:



elyssemosquera@co.imperial.ca.us

phone: (442)265-7489



4. Presentations:

B. EPA New River Air Quality Monitoring Project (SCS Engineers)

AB617 South End – New River Air Quality Monitoring Update

José Landeros
Sergio Valenzuela
Maarten Schreuder

Presentation Overview

1 Background

2 Instrument Status
Data Collection Period
Data Validation

3 Data Trends
Diurnal Patterns
Regional Wind Events

4 Online Data Portal

1

SECTION

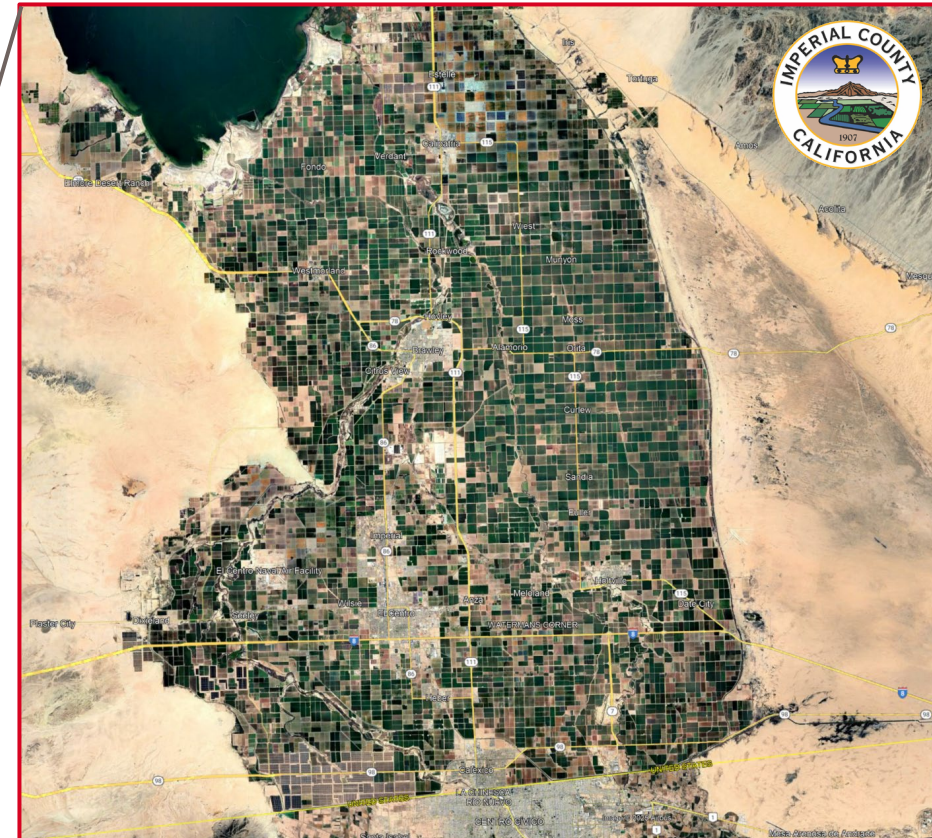


Background

Purpose

- Monitoring of air quality in and near communities along the New River, Imperial County
- Focus on communities in southern part of Imperial Valley:
 - Brawley
 - Seeley
 - Calexico
- Two-year monitoring period

Area of Interest – Imperial County



Communities along the New River



2

SECTION



Instrument Status

Equipment

Compounds Measured	Number of Units	Manufacturer
H ₂ S (hydrogen sulfide)	1	Thermo
NH ₃ (ammonia)	1	Thermo
Benzene	1	ENMET
Benzene/Toluene/Xylene (BTX)	2	OMNI
PM _{2.5} and NO ₂	9	Clarity
<u>Meteorology</u> Windspeed and direction Temperature Relative humidity Barometric pressure	1	RM Young

Equipment - Visuals



Data Period

- Instruments physically installed starting late 2025 through early 2026
- Monitoring actively commenced on June 2, 2026

Data Completeness – PM_{2.5} and NO₂

Location	Valid (%) ¹
Calexico – CA Air Resources board	100
Seeley – Elementary School	100
Seeley – Robert Bates Memorial Park	100
Brawley – Rio Country Club	100
Brawley – South Rio Vista	100
Seeley – Vulcan	100
Brawley – Pat Williams Park	100
Calexico – Antuñez	100
Calexico – William Moreno Junior High	100

¹ Period June 2 though 30, 2026

Data Completeness – Other

Location	Compound	Valid (%) ¹	Notes on data loss
Brawley – Rio Country Club	H ₂ S	74	AC unit malfunction
Brawley – Rio Country Club	NH ₃	50	Calibration and AC unit malfunction
Brawley – Rio Country Club	Benzene	39	Issue with calibration bottle
Brawley – Rio Country Club	Meteorology	100	---
Seeley – Vulcan	BTX	78	Intermittent power (battery issue)
Calexico – William Moreno Jr HS	BTX	57	Line power accidentally shut off

¹ Period June 2 through June 30, 2026

3

SECTION



Data Trends

Reporting – NAAQS[†] Concentrations

- Air Quality for the NAAQS can be summarized in many ways
- By concentration
 - Measured
 - Allows for comparison with (numerical) air quality standards
- By Air Quality Index (AQI)[‡]
 - EPA's air quality communication tool
 - More intuitive and relates to public health warnings
- Both approaches used on in this presentation
- Report based on non-adjusted, validated data

[†] National Ambient Air Quality Standard

[‡] [Air Quality Index \(AQI\) | AirNow.gov](#)

Air Quality Index Chart

Daily AQI Color	Levels of Concern	Values of Index	Description of Air Quality
Green	Good	0 to 50	Air quality is satisfactory, and air pollution poses little or no risk.
Yellow	Moderate	51 to 100	Air quality is acceptable. However, there may be a risk for some people, particularly those who are unusually sensitive to air pollution.
Orange	Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is less likely to be affected.
Red	Unhealthy	151 to 200	Some members of the general public may experience health effects; members of sensitive groups may experience more serious health effects.
Purple	Very Unhealthy	201 to 300	Health alert: The risk of health effects is increased for everyone.
Maroon	Hazardous	301 and higher	Health warning of emergency conditions: everyone is more likely to be affected.

Example PM_{2.5}: Del Rio August 2026

Take home:

- Concentrations variable
- No apparent day-to-day variability
- No apparent hourly variability

Note 24-hour NAAQS = 35 µg/m³

LEGEND	PM _{2.5} Concentration (µg/m ³)							
0	4	8	12	16	20	24	28	32

																								er: PM25_1hr				YYYY/MM:		2026-August				Units: µg/M³				7297		31	
Day	Hours																							Max	Avg	N															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				23														
1	9	9	8	7	8	9	10	11	11	10	9	9	10	9	8	7	6	6	7	7	8	7	7	7	11.4	8.2	24														
2	6	6	7	7	7	7	8	8	7	8	7	6	5	5	5	5	5	6	6	6	7	6	6	6	8.5	6.3	24														
3	8	9	8	8	7	7	7	6	6	6	5	6	5	5	5	5	6	6	6	7	7	7	7	7	9.1	6.5	24														
4	7	6	6	8	9	8	8	7	9	7	7	7	7	7	7	7	7	6	7	6	7	7	7	8	9.1	7.3	24														
5	8	9	9	9	9	9	8	9	8	8	8	8	8	7	10	8	7	6	5	5	6	5	6	6	10.4	7.5	24														
6	7	7	7	7	7	8	9	12	12	9	8	7	8	10	6	7	7	6	6	6	10	10	7	6	12.2	7.7	24														
7	8	6	6	8	7	13	16	9	10	7	6	6	6	6	5	5	5	6	6	7	14	16	11	9	16.3	8.2	24														
8	9	9	9	9	9	9	12	10	10	9	8	7	6	6	6	6	6	6	7	8	9	9	9	8	12.0	8.1	24														
9	8	8	6	6	6	6	8	10	10	10	10	10	10	8	7	7	7	7	8	9	11	9	10	9	11.2	8.3	24														
10	8	8	7	8	8	8	8	9	10	9	9	9	8	8	8	7	13	32	25	12	16	13	12	12	31.7	11.0	24														
11	12	12	9	12	10	8	8	8	8	9	9	9	8	8	8	8	8	8	10	15	10	13	12	11	14.8	9.7	24														
12	10	10	9	9	8	8	8	8	8	8	8	7	8	8	8	12	12	7	6	8	6	6	6	6	12.5	8.1	24														
13	6	6	6	7	10	10	9	7	6	5	6	6	6	5	5	6	8	9	8	9	8	7	7	7	10.2	7.0	24														
14	7	7	7	7	8	7	7	8	7	8	7	7	6	7	6	6	7	7	7	6	6	6	6	6	8.0	6.8	24														
15	7	7	7	8	8	9	12	11	7	6	6	6	6	7	6	6	6	6	7	7	7	7	7	7	12.3	7.3	24														
16	8	9	9	9	9	9	9	9	10	8	7	5	4	3	4	4	5	5	5	6	6	7	8	7	9.8	6.8	24														
17	7	8	8	8	9	9	7	7	5	5	5	5	5	5	4	4	4	4	5	5	5	5	6	7	8.6	5.8	24														
18	7	8	8	8	10	8	10	7	6	5	4	6	6	6	6	6	6	6	7	7	7	7	7	6	10.4	6.8	24														
19	6	6	7	6	6	6	6	6	6	7	7	7	7	8	7	6	6	6	6	8	11	11	9	6	11.0	6.9	24														
20	6	6	6	7	6	6	6	7	8	6	5	5	6	6	7	6	5	6	6	6	7	6	7	9	8.6	6.2	24														
21	8	9	11	12	13	11	10	10	10	9	8	7	6	5	5	5	6	6	6	7	6	7	6	6	12.5	7.8	24														
22	6	6	6	6	7	6	6	6	6	6	6	5	5	6	9	6	6	7	7	7	6	6	6	6	9.2	6.2	24														
23	6	6	6	6	6	6	8	8	7	7	6	7	7	7	6	7	7	8	7	8	8	9	8	7	8.9	7.0	24														
24	7	8	7	6	6	7	7	7	8	8	8	8	7	7	6	7	7	7	7	7	9	8	9	8	9.1	7.3	24														
25	12	10	9	8	8	9	10	10	10	9	7	7	6	6	6	6	6	6	7	8	7	7	7	7	12.4	7.9	24														
26	8	8	8	9	9	9	9	8	8	8	11	9	8	6	6	6	6	7	8	10	13	8	8	7	13.4	8.3	24														
27	7	6	7	7	7	7	7	7	8	8	8	8	7	6	6	6	8	13	11	9	10	9	9	10	12.6	8.0	24														
28	11	11	10	10	9	8	8	8	9	8	8	8	7	6	12	7	8	7	7	7	7	8	8	8	12.1	8.3	24														
29	8	8	8	9	8	9	9	8	7	6	6	6	6	8	7	7	7	6	7	7	8	7	6	5	9.0	7.2	24														
30	4	4	5	5	5	5	5	6	7	7	8	7	7	7	8	9	9	7	7	7	9	10	9	9	10.2	6.9	24														
31	8	7	7	9	8	8	8	15	13	7	5	4	4	5	4	5	6	7	7	7	5	5	5	5	14.8	6.8	24														
Max	12.4	12.2	10.8	11.8	12.5	12.8	16.3	14.8	13.1	10.2	11.0	9.7	9.7	9.6	10.4	12.5	13.5	31.7	24.7	14.8	15.6	15.7	12.3	11.6	744																
Ave	7.7	7.7	7.5	7.8	7.9	8.0	8.4	8.5	8.2	7.5	7.2	6.9	6.6	6.5	6.4	6.5	6.8	7.5	7.5	7.5	8.3	7.9	7.6	7.4	100%	<-- % complete															
N	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31																	

- Take home:
- Based on AQI
- Mainly in good and moderate classes

g	Sensor: Unit_04			Site Name: Brawley - New River							Parameter: PM25_1hr				MM/YYYY: 2026-August						Units: µg/M³																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Hours																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

Example NO₂: Del Rio August 2026

Take home:

- Concentrations variable
- No apparent day-to-day variability
- Strong diurnal pattern with elevated concentrations at night

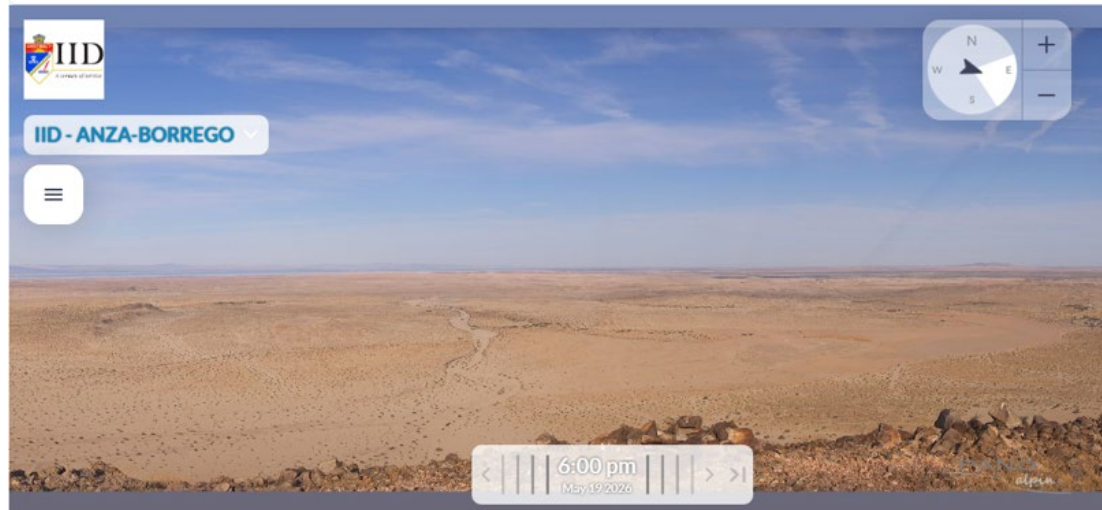
Note 1-hour NAAQS = $100 \mu\text{g}/\text{m}^3$

LEGEND	NO ₂ Concentration		(ppb)					
0	4	8	12	16	20	24	28	32

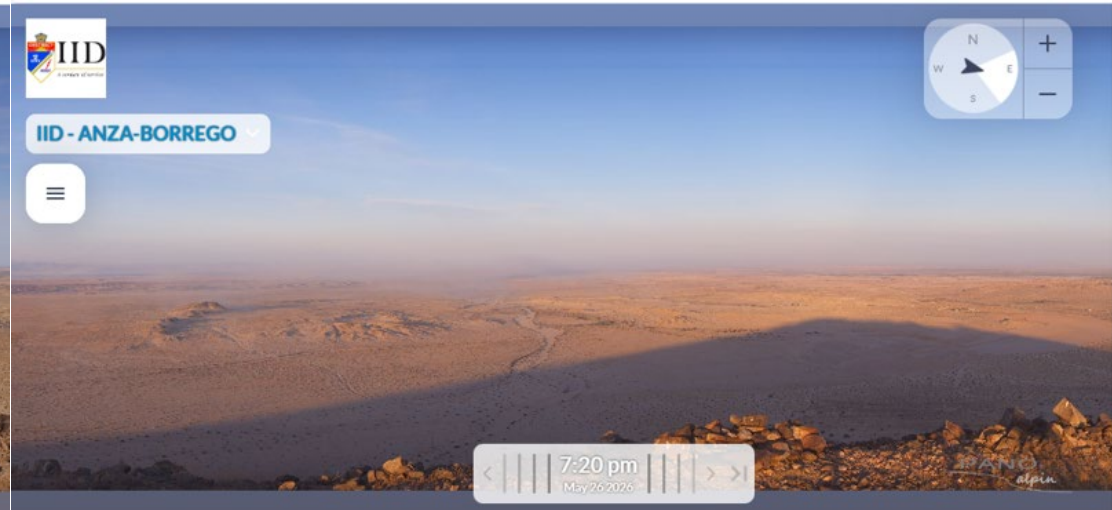
Strong diurnal pattern with elevated concentrations at night																							Units: ppb		7297	31
Day	Hours																									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	14	14	15	16	15	16	15	14	12	11	7	7	9	7	7	7	7	6	10	20	16	14	19	19		
2	18	19	18	14	16	16	17	16	14	10	7	5	7	7	7	7	7	5	12	20	13	15	17	19		
3	19	12	11	12	11	13	14	16	14	12	11	8	9	8	7	7	7	6	23	22	19	18	15	14		
4	14	15	16	15	13	13	15	12	11	11	10	7	7	4	8	5	9	11	15	18	18	16	17	15		
5	15	14	13	13	13	13	14	13	9	9	10	9	9	9	9	9	11	13	13	14	14	14	15	16		
6	13	12	12	14	14	14	14	9	9	9	9	8	9	8	8	7	9	9	12	14	14	13	10	11		
7	16	11	12	14	13	13	13	10	9	10	10	5	7	7	7	7	7	5	16	19	16	16	15	14		
8	14	14	15	13	14	14	11	11	11	11	5	5	7	7	7	7	7	5	14	18	15	14	15	15		
9	16	17	12	13	13	14	14	13	12	11	10	6	5	7	7	7	5	12	16	17	13	17	18	16		
10	13	13	15	15	15	14	15	14	12	9	10	8	4	5	7	5	13	17	16	16	15	14	14	15		
11	16	15	13	14	13	13	15	14	12	12	9	9	10	7	5	10	11	13	15	16	16	11	12	13		
12	13	15	12	14	13	15	12	13	10	10	10	10	6	5	5	7	19	14	16	12	14	15	14	13		
13	13	13	14	16	16	16	13	12	11	11	11	12	10	10	10	10	12	15	16	15	14	13	13	12		
14	13	12	12	14	14	14	15	12	10	10	10	9	9	5	3	4	8	11	15	13	15	17	16	17		
15	17	16	13	15	13	15	15	13	10	11	10	9	5	4	4	5	15	14	16	17	16	16	14	15		
16	17	15	16	15	16	16	15	12	10	12	11	6	8	7	7	7	4	9	16	19	16	19	17	17		
17	16	16	17	15	14	15	14	11	11	10	7	6	6	6	6	6	6	6	16	19	18	19	19	18		
18	17	18	16	16	17	17	20	15	11	10	5	6	6	6	6	6	6	6	19	21	16	16	14	14		
19	14	13	13	14	14	12	13	14	13	10	9	7	3	3	5	4	5	11	18	20	20	17	16	15		
20	14	16	16	16	14	15	14	10	9	9	10	9	8	8	8	9	13	14	14	17	16	14	15	16		
21	15	13	15	15	15	14	13	9	10	11	8	7	7	7	7	6	6	11	18	14	17	18	16	16		
22	15	16	16	15	13	14	13	11	11	8	7	7	7	6	6	6	5	16	20	18	16	16	16	18		
23	18	16	19	17	13	16	15	11	11	11	4	4	4	6	6	6	12	16	20	16	14	13	13	13		
24	12	12	13	14	12	14	15	12	10	8	8	5	4	4	3	3	3	9	18	17	10	13	15	16		
25	14	11	13	11	12	12	12	8	8	10	7	9	8	7	6	6	6	10	15	21	18	17	16	15		
26	15	15	9	12	11	10	11	10	10	10	11	10	5	7	7	7	5	10	17	21	20	18	17	15		
27	13	14	15	14	14	13	15	14	15	12	10	9	8	6	7	5	12	17	17	18	17	15	16	15		
28	15	14	14	14	15	13	14	10	9	11	10	5	8	7	6	10	13	11	16	19	18	16	16	16		
29	16	14	14	15	12	13	11	11	12	11	7	7	7	7	6	6	7	14	18	17	16	15	15	15		
30	15	16	16	14	13	14	14	12	13	16	12	9	5	4	4	5	5	12	14	15	18	16	18	17		
31	18	16	17	15	15	17	13	12	12	11	11	9	9	9	7	9	13	14	16	17	17	15	15	18		
Max	19.0	18.8	18.6	16.5	16.7	17.1	19.6	15.9	15.2	15.6	12.3	11.5	10.4	9.9	10.3	10.4	18.7	17.3	23.1	21.7	19.9	19.3	18.8	19.1		
Ave	15.2	14.3	14.2	14.4	13.8	14.2	14.0	12.1	11.0	10.4	8.8	7.5	7.0	6.5	6.4	6.6	8.6	11.1	16.1	17.4	15.9	15.4	15.4	15.4		
N	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
																								744		
																								100%	<-- % complete	

Examples – High Wind Events

- High wind events are main occasions for elevated particulate matter concentrations
 - Both for fine and coarse particulates ($PM_{2.5}$ and PM_{10})
- Most prevalent in Spring and Summer



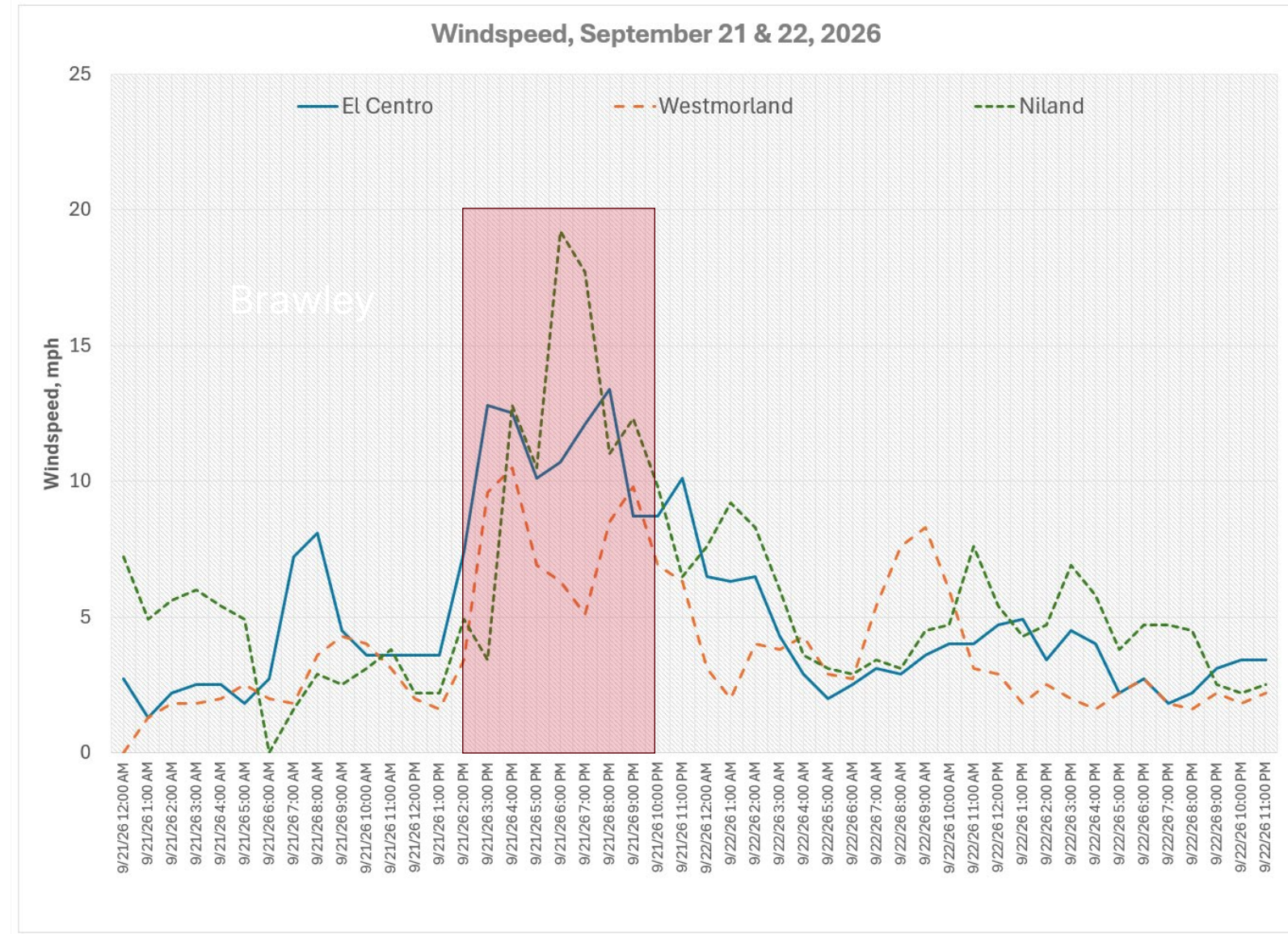
Clear day, May 2026



Hazy day, May 2026

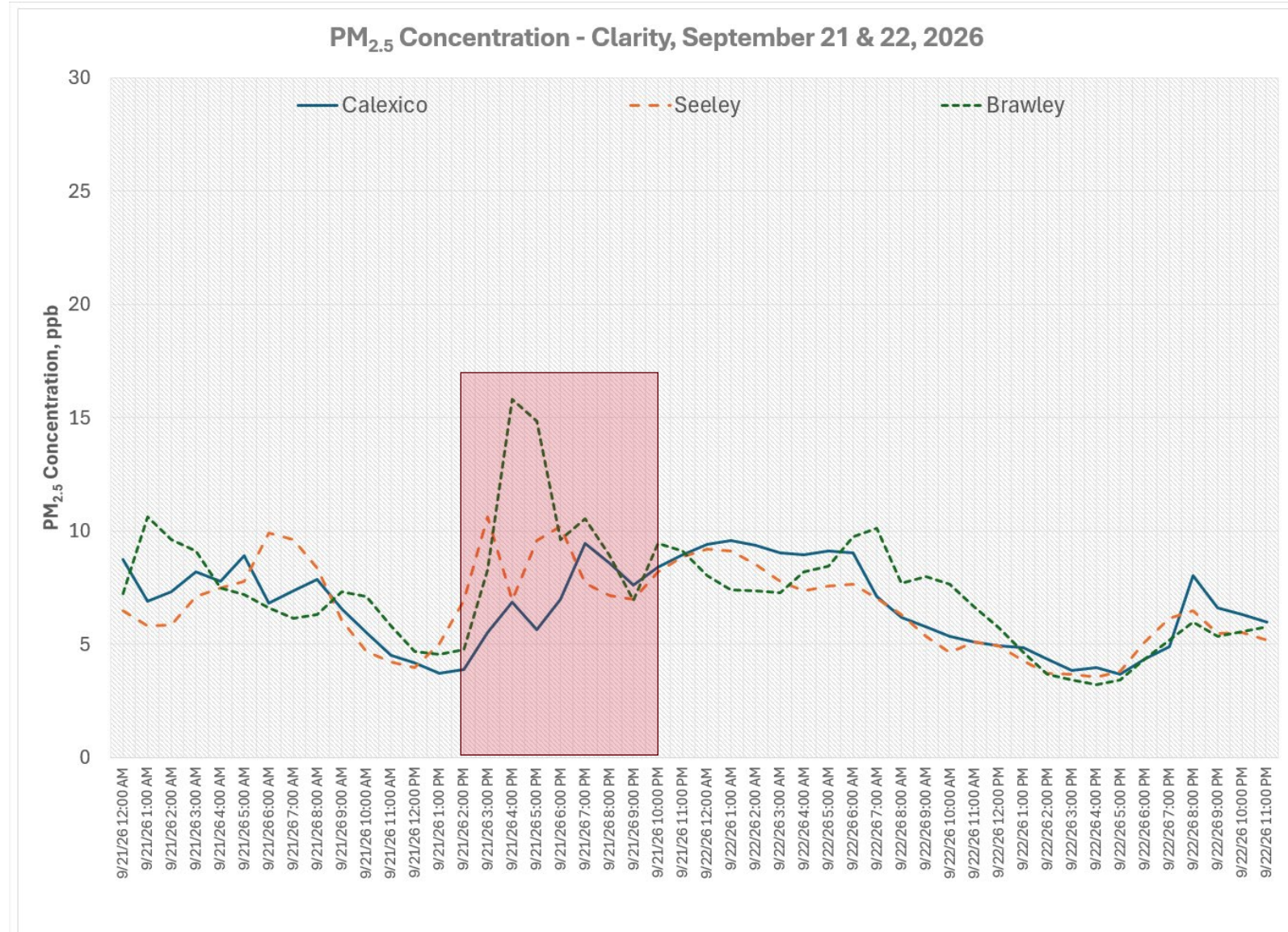
September 21, 2026 – Wind Speed

Hourly wind speed varied between 10 to 18 mph, depending on location



September 21, 2026 – PM_{2.5} (Clarity)

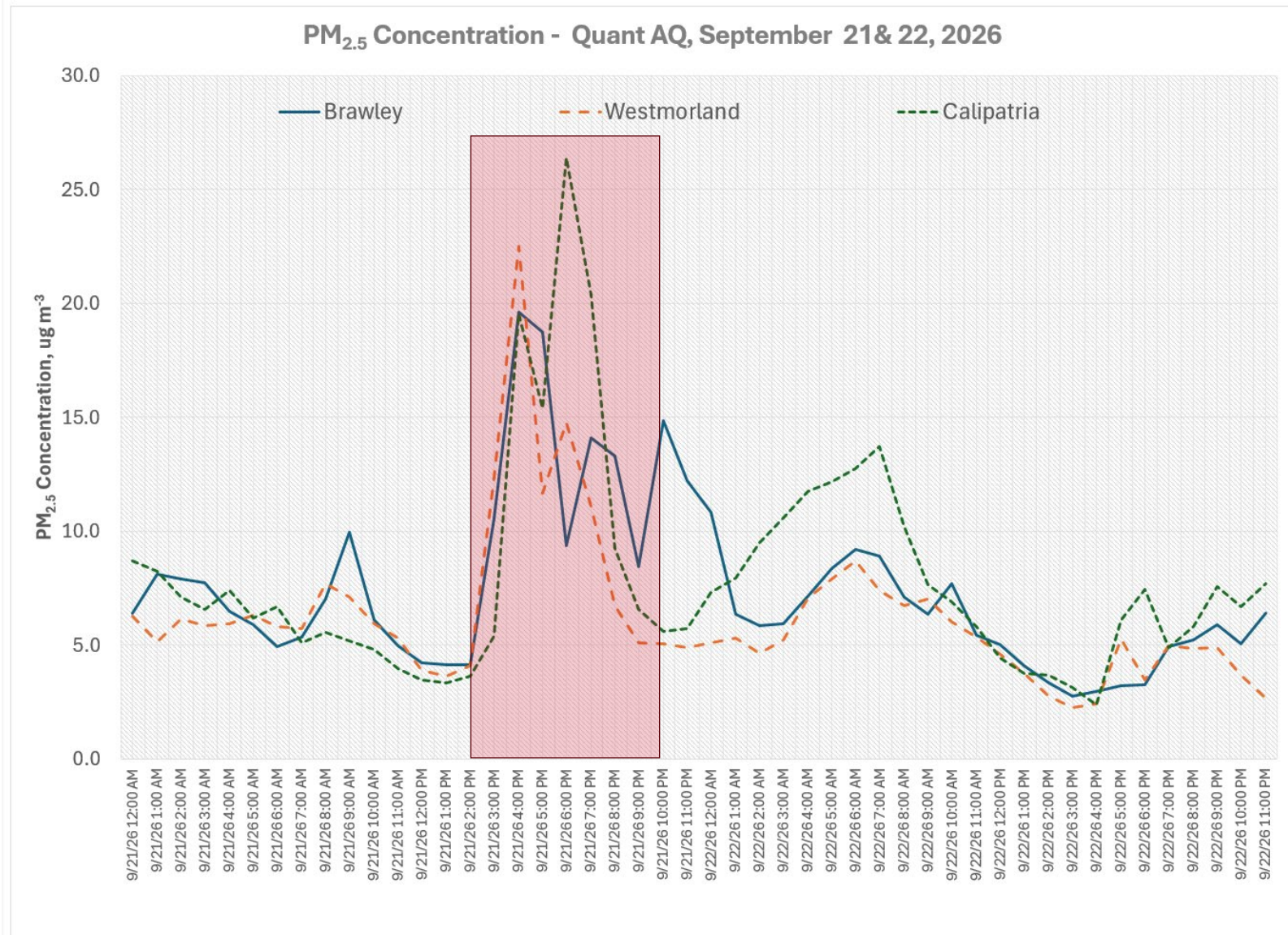
Clarity nodes only show elevated PM_{2.5} at the Brawley monitors

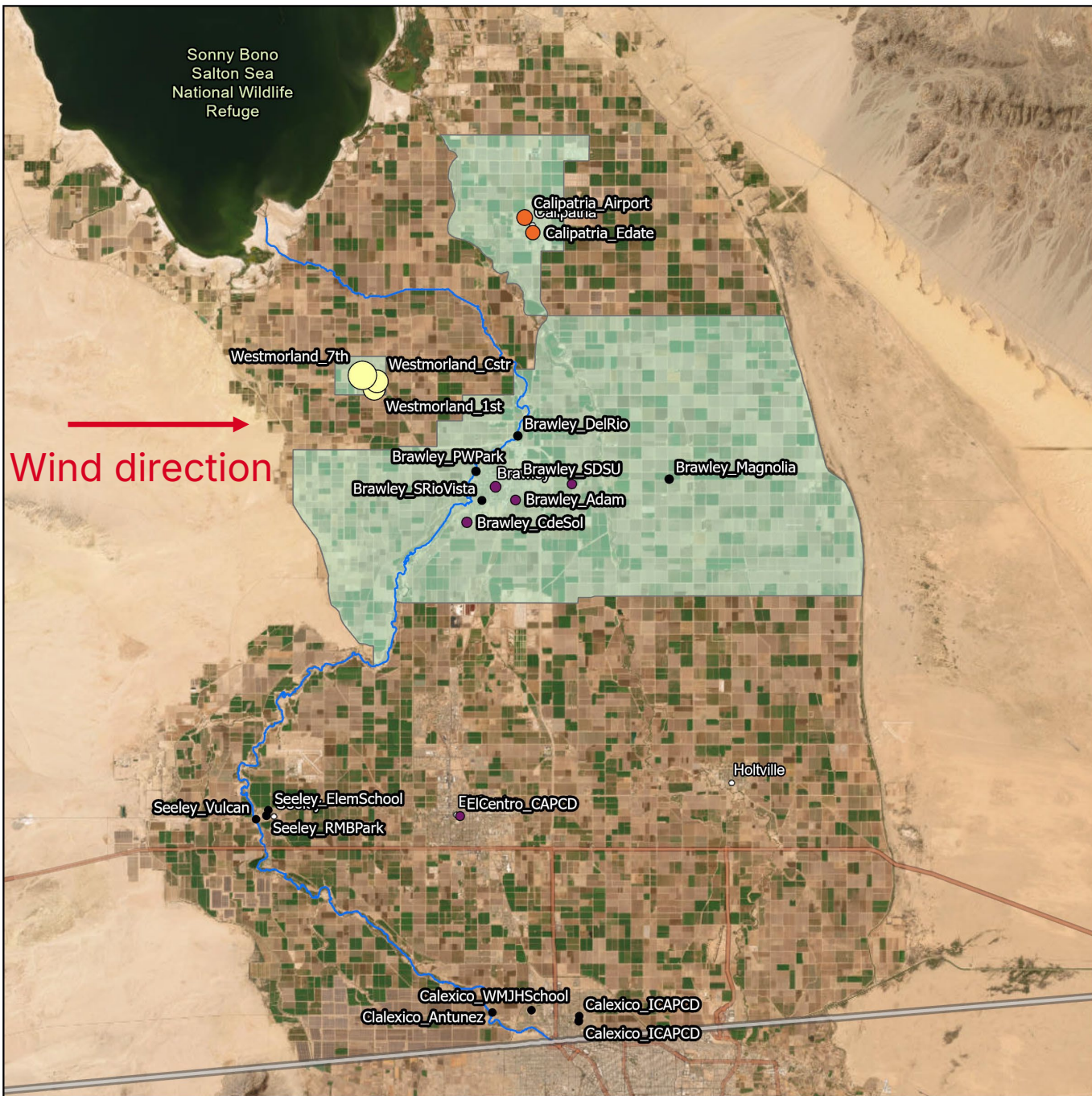


September 21, 2026 – PM_{2.5} (QuantAQ)

QuantAQ units show elevated PM_{2.5} at all three north county communities

Please note that the QuantAQ monitors are part of the North County monitoring network, not the New River network





Legend

- 12 - 25
- 25 - 50
- 50 - 100
- 100 - 201
- New River
- North End Phase 1 Community

August 2026 High Wind Events	
Shown as: 99th-percentile [PM2.5] Units microgram per cubic meter	
	Sep 2026
SCS ENGINEERS	

August 9th and 12th, 2026 Event – PM_{2.5}

Combined data

During these two events dust impacts were mostly centered on the northern part of Imperial County

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Earthstar Geographics

Data Ranges – Other (June 2026)

Location	Compound	Mean (Median)	Maximum
Brawley – Rio Country Club	H ₂ S	1.2 (0.1)	57
Brawley – Rio Country Club	NH ₃	16 (14)	66
Brawley – Rio Country Club	Benzene (ENMET)	0.3 (0.3)	1.2
Brawley – Rio Country Club	Meteorology	---	---
Seeley – Vulcan	Benzene (OMNI)	0.1 (0)	4.0
Calexico – William Moreno Jr HS	Benzene (OMNI)	<0.1 (0)	1.1

4

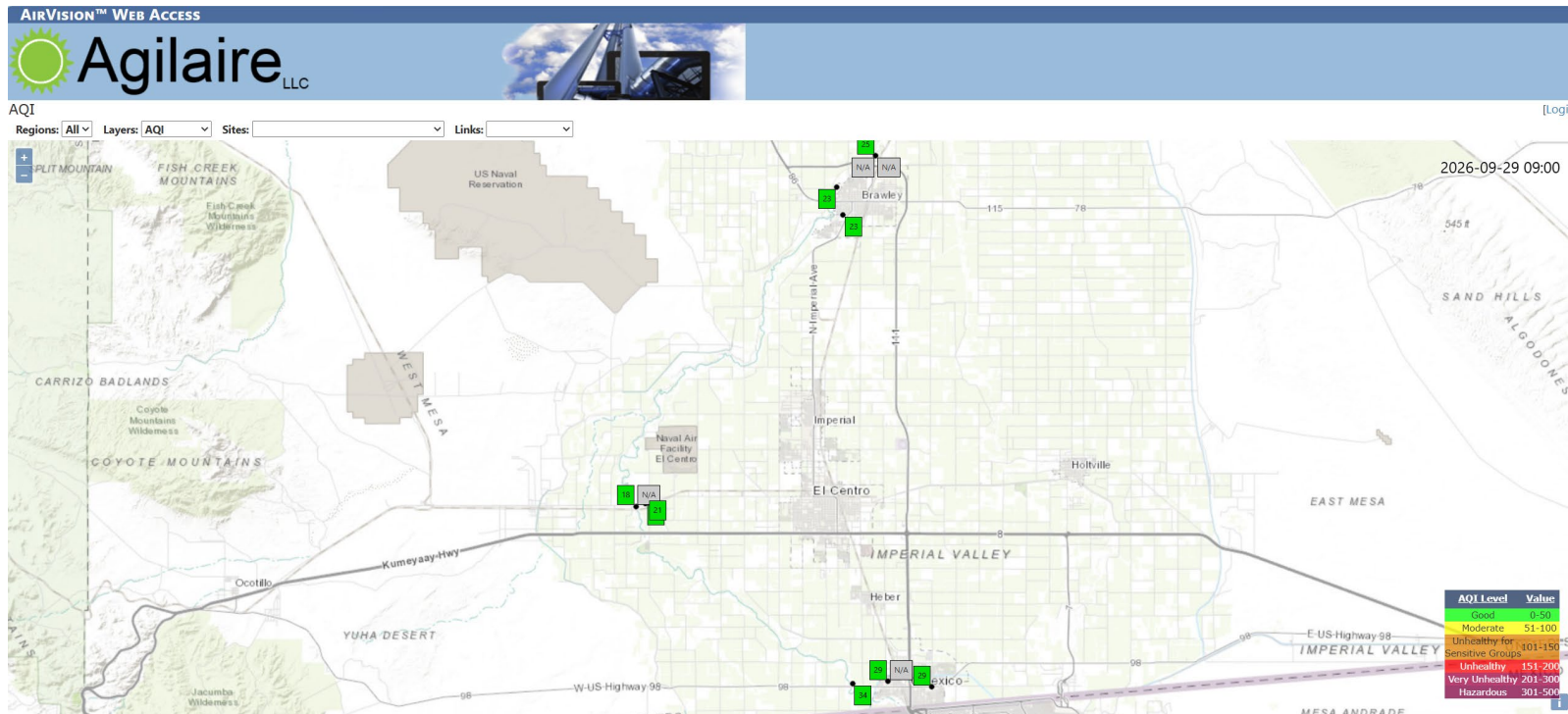
SECTION



Online Data Portal

Online Data Portal

- Data from New River monitoring network can be viewed online
- Location of data portal
 - <https://newriver.agilaire.com/airvision>



AQI

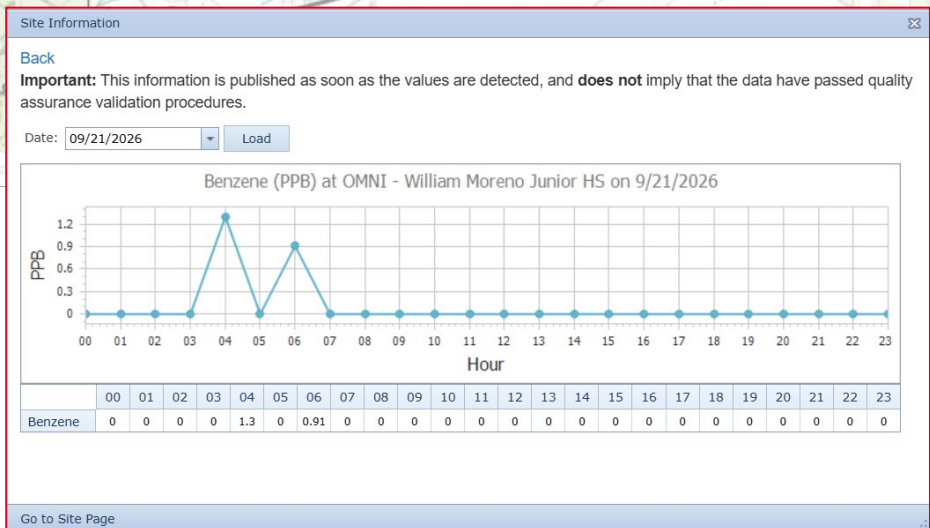
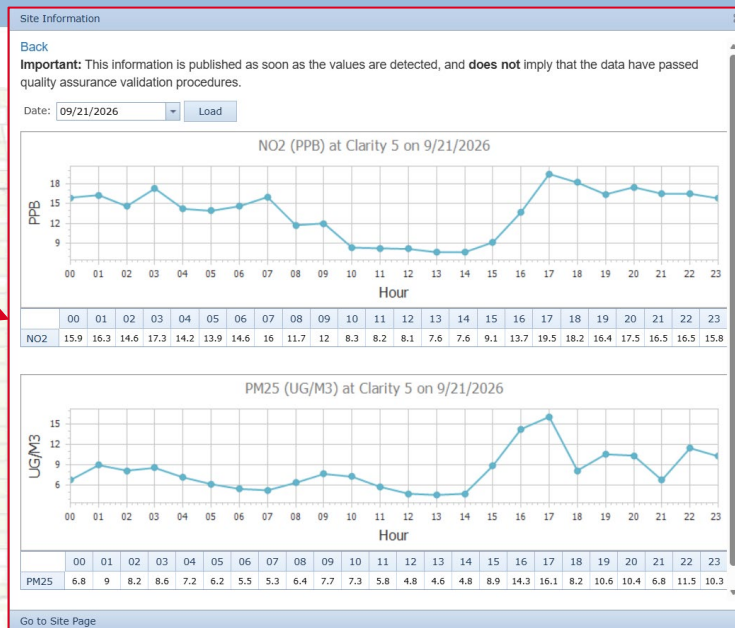
Regions: All Layers: AQI Sites: Links:

Basic Data Export

Report Output

1 of 4 100% + -

	Brawley North	Brawley North	Brawley North	Brawley North	Brawley North	Brawley North	Clarity 1
	AMOTEMP	H2S	NH3	RELHUM	WIND	WS	NO2
Date	DEGC	PPB	PPB	PERCENT	DEG	MPH	PPB
28-Sep-2026 11:00	28	-0.1	51.5	66	130.2	1.6	9.8
28-Sep-2026 12:00	29.2	-0.1	30.4	63.6	115.9	2	9.2
28-Sep-2026 13:00	30.3	0.3	20.1	59.7	126.1	2	10
28-Sep-2026 14:00	31.1	0.6	32.1	55.2	146.4	1.8	10.3
28-Sep-2026 15:00	31.1	0.9	37.7	52.9	150.2	1.6	11.5
28-Sep-2026 16:00	30.2	0.2	28.3	58.5	127.7	1.6	17.5
28-Sep-2026 17:00	27.6	0.1	24.1	63.3	100.8	1.7	14.2
28-Sep-2026 18:00	25.7	0.1	25.6	70.6	108	1	14.2
28-Sep-2026 19:00	25.3	0.8	22.3	71.9	113.5	0.7	13.6
28-Sep-2026 20:00	24.7	2.6	23.7	74.3	136.2	0.7	12.1
28-Sep-2026 21:00	24.6	0.5	22.4	76	171.3	0.9	14.1
28-Sep-2026 22:00	22.9	0.7	36.1	74.5	126.6	1	11.3
28-Sep-2026 23:00	21	0.5	47.2	67.5	224.5	0.9	7.6
29-Sep-2026 00:00	20.5	3.6	31.3	74.8	184	0.4	11.7
29-Sep-2026 01:00	21.4	1.1	22.9	74	152.7	0.6	15.8
29-Sep-2026 02:00	20.4	1.1	26.6	68.3	192.1	0.7	15.7
29-Sep-2026 03:00	19.2	0.3	30.7	74.4	218.8	0.6	14.6
29-Sep-2026 04:00	19	0.9	27.4	76	133	0.5	14.8
29-Sep-2026 05:00	18.4	4	22.8	78.2	165.6	0.3	13.8
29-Sep-2026 06:00	19.6	1.6	23.1	77.7	145.3	0.2	14.1
29-Sep-2026 07:00	23.8	1.1	45.1	61.3	137.4	0.6	11.6
29-Sep-2026 08:00	25.8	1.3	51.2	161.1	12	7	7
29-Sep-2026 09:00	27.4	0.4	39.3	45.6	179.1	1.3	7.7
29-Sep-2026 10:00	29.5	0.2	27.9	35.6	168	1.1	7.8



AQI Level	Value
Good	0-50
Moderate	51-100
Unhealthy for Sensitive Groups	101-150
Unhealthy	151-200
Very Unhealthy	201-300
Hazardous	301-500



Conclusions

Instrument Performance

- Clarity Nodes perform well
- Troubleshooting
 - Instrument repairs
 - Calibration gas
 - Overheating
 - Battery power and life

Reporting

- Data suitable to identify
 - Daily/hourly trends
 - High wind events
 - Temporal patterns
- Most reliable when generalized to AQI

Online Data Access

- Network data available online, providing:
 - Real-time (past hour)
 - Last 24-hours (tabular)
 - Historic (graphical)



José Landeros

Maarten Schreuder

Sergio Valenzuela

Paul Schafer

4. Presentations:

C. AB 617 South-End Corridor Budget and Projects Update (ICAPCD)



AB 617 Calexico- Heber-El Centro Projects & Budget Update

October 14, 2026

Projects in Progress (8 total)

- CAP3-01 Heber ESD Bus Electrification
- CAP3-02 Heber ESD Bus Electrification
- CAP5-04 Center for Employment Training – Student Parking Lot
- CAP6-04 Seeley Townsite Improvements North Paving
- CAP6-05 Seeley Townsite Improvements South Paving
- CAP6-12 SCWD – John Robert Bates Park Urban Greening
- CAP6-13 ICOE – Valley Academy School Wellness Garden Urban Greening
- CAP6-14 HPUD Dogwood Greenbelt Urban Greening

Projects Completed July 2026 - Present

- CAP3-03 Heber ESD Bus Electrification
- CAP3-08 Callexico USD EV Infrastructure
- CAP5-01 Meadows USD EV Paving
- CAP5-03 Heber Townsite Improvements Phase II
- CAP5-06 Callexico USD – High School Fire Lane Paving
- CAP5-08 Callexico USD – Kennedy Gardens Paving

CAP5-01 Meadows USD Paving

2059 Bowker Rd., El Centro, CA 92243

- Paved approximately 53,418 square feet of unpaved area



CAP5-03 Heber Townsite Improvements Phase II

Heber, CA 92249

- Paved approximately 56,400 square feet of unpaved area



CAP5-06 Calexico USD High School Fire Lane Paving

1030 Encinas Ave., Calexico, CA 92231

- Paved approximately 36,280 square feet of unpaved area



CAP5-06 Calexico USD Kennedy Gardens Paving

2300 Rockwood Ave., Calexico, CA 92231

- Paved approximately 7,700 square feet of unpaved area



AB 617 Corridor Budget Update

Incentive Funds	Grant Amount	Status	Amount PAID	Liquidation Date
CAP Year 1 *	\$ 468,750.00	Received	\$ 468,750.00	6/30/2021
CAP Year 2*	\$ 6,965,000.00	Received	\$ 6,965,000.00	Extended 6/30/2027
CAP Year 3*	\$ 5,288,782.82	Received	\$ 5,288,782.82	6/30/2027
CAP Year 5	\$ 6,578,371.43	Received	\$ 3,965,889.23	Extended 6/30/2030
CAP Year 6	\$ 6,072,342.86	Received	\$ -	6/30/2027

TOTAL \$ 25,373,247.11 \$ 16,688,422.05

* Grant Amount has been fully liquidated

AB 617 Corridor Budget Update

Budget Summary

INCENTIVE FUNDS GRANTED

Total Incentive Fund Amount:				\$	25,373,247.11
	SCHOOL BUS REPLACEMENT PROJECTS				
Total Allocated Amount:				\$	1,523,033.63
	SCHOOL AIR FILTRATION PROJECTS				
Total Allocated Amount:				\$	1,575,095.30
	PAVING PROJECTS				
Total Allocated Amount:				\$	14,433,851.51
	URBAN GREENING PROJECTS				
Total Allocated Amount:				\$	1,087,170.01
	EV INFRASTRUCTURE PROJECTS				
Total Allocated Amount:				\$	7,938,289.27
	BALANCE REMAINING				
Total Incentive Fund Amount:		\$	25,373,247.11	\$	26,557,439.72
				\$	(1,184,192.61)
Total Interest:		\$	1,238,926.86	\$	6,341.63
				\$	1,232,585.23
Total Overspent Amount:				\$	48,392.62

Discussion / Q&A

Thank you

Adriana Carrillo

adrianacarrillo@co.imperial.ca.us

Abigail Arballo

abigailarballo@co.imperial.ca.us

(442) 265-1800

<https://www.icab617community.org>

<https://apcd.imperialcounty.org>

4. Presentations:
D. Carl Moyer and FARMER
Programs
(ICAPCD)



CARL MOYER & FARMER PROGRAMS

The Who, **What**, Where, **Why**, and How of **Carl Moyer** and **FARMER**?

- Carl Moyer Memorial Air Quality Standards Attainment Program (**Carl Moyer Program**) is a voluntary grant program that helps reduce air pollution in California. The program is a partnership between the California Air Resources Board (CARB) and California's air quality management districts. The program's goal is to reduce air pollution by providing incentives for cleaner equipment and engines. (**Off-Road Agricultural Equipment for Agricultural Operations**)
- Funding Agricultural Replacement Measures for Emission Reductions (**FARMER**) Program is a voluntary grant program that helps reduce air pollution in California. The program is a partnership between the California Air Resources Board (CARB) and California's air quality management districts. The program's goal is to reduce air pollution by providing incentives for cleaner equipment and engines. (**Off-Road Agricultural Equipment for Agricultural Operations**)
- The Goals of the **Carl Moyer** and **FARMER** Program are to support the deployment of advanced technologies and cleaner diesel technologies needed to meet California's State Implementation Plan (SIP) and climate change goals.

The Who, **What**, Where, Why, and How of **Carl Moyer** and **FARMER**?

Old



New



The Who, **What**, Where, Why, and How of **Carl Moyer** and **FARMER**?

LIMITED FUNDS AVAILABLE

- The maximum grant fund award will be **\$95,000** per project or **65%** of eligible cost reimbursement, whichever is less. All final funding approvals will be determined at the time of contract signing.

Moyer 26 Project Funds, Match, Interest	Total Projects Funded 7		
\$ 447,497.00	\$ 34,807.94		
\$ 76,714.00	\$ 32,175.00		
\$ 9,211.24	\$ 91,715.00		
\$ 533,422.24	\$ 95,000.00		
	\$ 95,000.00		
33 Applications Received	\$ 90,025.00		
	\$ 17,194.00		
	\$ 455,916.94	\$77,505.30	Remainder

- Grant funds will be awarded to projects based on **cost-effectiveness** basis until funds are exhausted.
- Grant funds will be reimbursed after the company has completely paid or financed the total cost of the project with a down payment equal to the awarded amount.

The Who, **What**, Where, Why, and How of **Carl Moyer** and **FARMER**?

Cost-Effectiveness (\$/ton)

Imperial County Air Pollution Control District (ICAPCD)

Cost-Effectiveness limit of \$30,000 per weighted ton of emissions reductions.

Main Factors

- Baseline (Old) Engine Tier (Uncontrolled “0”, 1, 2, 3)
- Horse Power (HP) Old Engine
- Horse Power (HP) New Engine (Increase not greater than 25 hp or 35 % of baseline engine, whichever is greater).
- Hours operated (hours/yr).
- Replacement (New) Engine Tier (**4 Final**) Cleanest Available Technology.
- Price of New Equipment \$\$

Example

- 1995 Tractor, 100 HP, Tier 0, 500 hrs/year to 2026 Tractor, 135 HP, Tier 4 Final \$95,000 Grant – C.E.= \$14,742.25
- **VS**
- 2010 Tractor, 100 HP, Tier 3, 500 hrs/year to 2026 Tractor, 135 HP, Tier 4 Final \$95,000 Grant – C.E.= \$62,849.61

The **Who**, What, Where, Why, and **How** of **Carl Moyer** and **FARMER**?

APPLICATION REQUIREMENTS

- Only applications deemed complete will be eligible for grant funds.
- Submitting an application does not guarantee approval for grant funds.
- Once grant funds are depleted, any complete applications not funded will be returned to the applicant. A new application must be submitted for the next funding year available.
- Complete and submit the attached application along with the required items listed in the **Carl Moyer/FARMER** Program Application Requirements.

The **Who**, What, Where, Why, and **How** of **Carl Moyer** and **FARMER**?

APPLICATION REQUIREMENTS

- Funded projects must operate the replacement equipment 100% of the time within Imperial County.
- The applicant must have owned and operated the existing baseline equipment in Imperial County for the previous two years.
- The existing baseline equipment for Agricultural Equipment (i.e. Agricultural Tractors) must have an Uncontrolled (Tier 0), Tier 1, Tier 2 or Tier 3 engine.
- The existing baseline engine equipment proposed for replacement must be operating in-service at the time of application and operation must be demonstrated during District pre-inspection.
- The horsepower rating of the replacement equipment engine must not increase greater than 25 hp or 35 % of the original manufacturer rated horsepower, whichever is greater.

The **Who**, What, Where, Why, and **How** of **Carl Moyer** and **FARMER**?

NEW EQUIPMENT REQUIREMENTS

- The replacement equipment must have less than 250 operating hours on the engine hour meter.
- All engines in the replacement equipment purchases must be certified by the CARB for sale in California and must comply with durability and warranty requirements. **(Minimum one-year or 1600-hour powertrain warranty)**
- Project must meet a cost-effectiveness calculated in accordance with the cost-effectiveness methodology discussed in the Guidelines currently used to administer the District's **Carl Moyer** and **FARMER** Program.
- Equipment purchased prior to execution of a grant agreement will be ineligible for funds.

The Who, What, Where, When, and Why of Carl Moyer and FARMER?

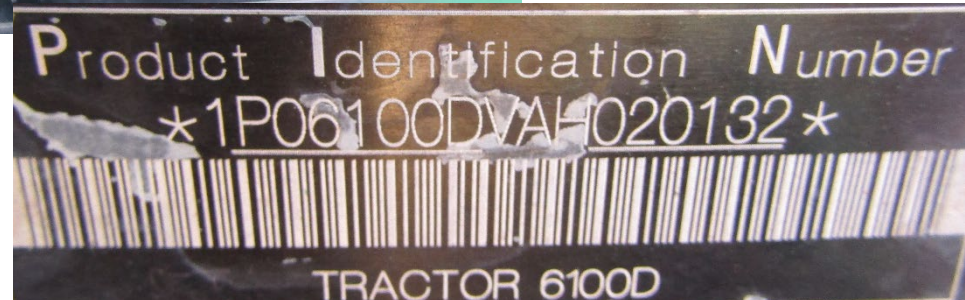
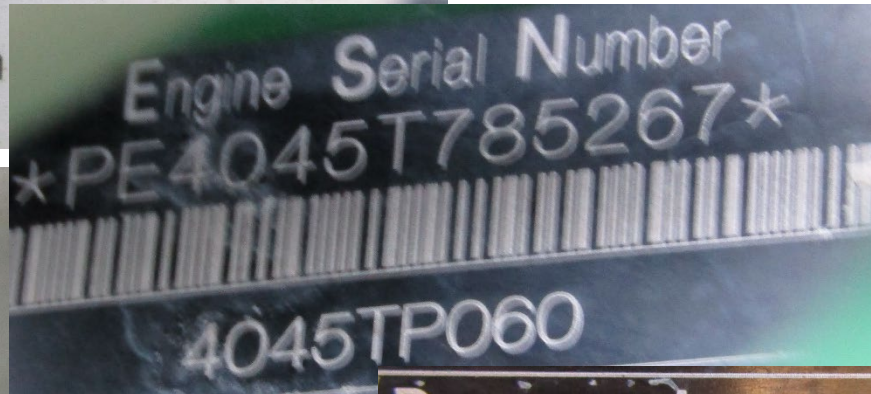
Equipment Make, Model and EPA Family

CARB Executive Order



MODEL YEAR	ENGINE FAMILY
2007	7JDXL06.8014
SPECIAL FEATURES & EMISSIONS	
Direct Diesel Injection, Turboch	
The engine models and code:	
The following are the exhaust certification levels (CERT) for oxides of nitrogen (NMHC+N) (g/kW-hr), and the opacity-of-acceleration (Accel), lugging, California Code of Regulation	
RATED POWER CLASS	EMISSION STANDARD CATEGORY
37 ≤ kW < 75	Tier 2
130 ≤ kW < 225	Tier 3

This engine conforms to US EPA nonroad compression regulations under the provisions of 40 CFR 89.102.
Family 7JDXL06.8014 Displ. 4.5L
Engine Model 4045TP060
Power: 72.7 kW @2100 rpm



R527103

Mfg Date: 2010.03

**2007 Year Specs.
98 HP.**

The Who, What, Where, When, and Why of Carl Moyer and FARMER?

Table 1. Off Road Compression - Ignition Diesel Engine Standards (NMHC + Nox/CO/PM in g/bhp hr.)

hp (kw)	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015+
≥ 50 (37) < 75 (55.5)				N/A ^(b) 6.9 (9.2) N/A N/A						5.6 (7.5) 3.7 (5.0) 0.30 (0.40)				3.5 (4.7) 3.7 (5.0) 0.22 ^(c)					3.5 3.7 0.02 ^(c)		
≥ 75 (55.5) < 100 (75)				N/A ^(b) 6.9 (9.2) N/A N/A						5.6 (7.5) 3.7 (5.0) 0.30 (0.40)				3.5 (4.7) 3.7 (5.0) 0.3				0.14 2.5 3.7 0.01 ^(b,d)			0.14 0.29 3.7 0.01 ^(b)
≥ 100 (75) < 175 (130) ^(a)			N/A ^(b) 6.9 (9.2) N/A N/A						4.9 (6.6) 3.7 (5.0) 0.22 (0.30)				3.0(4.0) 3.7 (5.0) 0.22					0.14 2.5 3.7 0.01 ^(b,d)			0.14 0.29 3.7 0.01 ^(b)
≥ 175 (130) < 300 (225) ^(a)		1.0 (1.3) ^(b) 6.9 (9.2) 8.5 (11.4) 0.40 (0.54)							4.9 (6.6) 2.6 (3.5) 0.15 (0.20)			3.0 (4.0) 2.6 (3.5) 0.15 ^(a)					0.14 1.5 2.6 0.015 ^(b,d)			0.14 0.3 2.6 0.01 ^(b)	
≥ 300 (225) < 600 (450) ^(a)		1.0 (1.3) ^(b) 6.9 (9.2) 8.5 (11.4) 0.40 (0.54)					4.8 (6.4) 2.6 (3.5) 0.15 (0.20)					3.0 (4.0) 2.6 (3.5) 0.15 ^(a)					0.14 1.5 2.6 0.015 ^(b,d)			0.14 0.3 2.6 0.01 ^(b,d)	
≥ 600 (450) ≤ 750 (560) ^(a)		1.0 (1.3) ^(b) 6.9 (9.2) 8.5 (11.4) 0.40 (0.54)						4.8 (6.4) 2.6 (3.5) 0.15 (0.20)				3.0 (4.0) 2.6 (3.5) 0.15 ^(b)					0.14 1.5 2.6 0.015 ^(b,d)			0.14 0.3 2.6 0.01 ^(b,d)	
> 750 (560) ^(a)						1.0 (1.3) ^(b) 6.9 (9.2) 8.5 (11.4) 0.40 (0.54)						4.8 (6.4) 2.6 (3.5) 0.15 (0.20)					0.3 2.6 2.6 0.07 ^(b)			0.14 2.6 2.6 0.03 ^(b)	
> 750 ≤ 1207	Generators					1.0 (1.3) ^(b) 6.9 (9.2) 8.5 (11.4) 0.40 (0.54)						4.8 (6.4) 2.6 (3.5) 0.15 (0.20)					0.3 2.6 2.6 0.07 ^(b)			0.14 0.5 2.6 0.02 ^(b)	
> 1207	Generators					1.0 (1.3) ^(b) 6.9 (9.2) 8.5 (11.4) 0.40 (0.54)						4.8 (6.4) 2.6 (3.5) 0.15 (0.20)					0.3 0.5 2.6 0.07 ^(b)			0.14 0.5 2.6 0.02 ^(b)	

- a. The PM standard for hand-start, air cooled, direct injection engines below 6 bhp may be delayed until 2010 and be set at 0.45 g/bhp-hr.
b. Standards given are NMHC/NOx/CO/PM in g/bhp-hr.
c. Engine families in the power category may alternately meet Tier 3 PM standards (0.3 g/bhp-hr) from 2008-2011 in exchange for introducing final PM standards in 2012.
d. The implementation schedule shown is the three-year alternate Nox approach. Other schedules are available.
e. Certain manufacturers have agreed to comply with these standards by 2005.

Note: This chart was converted into bhp units based on the chart at <http://www.arb.ca.gov/msprog/offroad/offroad.htm> 2/7/06.

	Tier 1		Interim Tier 4
	Tier 2		Final Tier 4
	Tier 3		

The Who, **What**, Where, When, and **Why** of **Carl Moyer** and **FARMER**?

- The existing baseline equipment must be destroyed by a District approved salvage yard.



The Who, What, Where, When, and Why of Carl Moyer and FARMER?

Carl Moyer Program

Application

FARMER Program



CARL MOYER PROGRAM YEAR 26 APPLICATION OFF-ROAD AGRICULTURAL EQUIPMENT REPLACEMENT PROGRAM

INTRODUCTION

The Imperial County Air Pollution Control District (District) is providing Carl Moyer Program grant funds to benefit public health by cost effectively replacing existing, high polluting equipment with newer, cleaner equipment earlier than required by regulation or through normal attrition.

This program follows the California Air Resources Board (CARB)'s Carl Moyer Program guidelines: <http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm>. Equipment funded by this program **can only** be purchased after contract is fully executed between equipment owner and the District.

LIMITED CARL MOYER YEAR 26 GRANT FUNDS AVAILABLE

- The maximum grant fund award will be **\$95,000** per project or **65%** of eligible cost reimbursement, whichever is less. All final funding approvals will be determined at the time of contract signing.
- Grant funds will be awarded to projects based on **cost-effectiveness** and **first-come, first-served** basis until funds are exhausted.
- Grant funds will be reimbursed after the company has completely paid or financed the total cost of the project with a down payment equal to the awarded amount.

HOW TO APPLY FOR GRANT FUNDS

- Only applications deemed complete will be eligible for grant funds.
- Submitting an application does not guarantee approval for grant funds.
- Applications deemed incomplete will be returned to the applicant and they will be given 30 working days to resubmit additional information to complete the application.
- Once grant funds are depleted, any complete applications not funded will be returned to the applicant. A new application must be submitted for the next funding year available.
- Complete and submit the attached application along with the required items listed in the Carl Moyer Program Application Requirements to:

Imperial County Air Pollution Control District
Attn: Miguel A. Coronel
150 S. 9th Street
El Centro, CA 92243
(442) 265-1800
miguelcoronel@co.imperial.ca.us

OFFICE USE ONLY

Date of Application Submitted: _____
Funding Amount Requested: _____
Status of Application: _____
Application Number: _____

DATE STAMP

Initials: _____



FARMER PROGRAM FY 23/24 APPLICATION OFF-ROAD AGRICULTURAL EQUIPMENT REPLACEMENT PROGRAM

INTRODUCTION

The Imperial County Air Pollution Control District (District) will provide grant funds to benefit public health by cost-effectively replacing existing, high polluting equipment with newer, cleaner equipment earlier than required by regulation or through normal attrition. The grant funds come from the California Air Resources Board's Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program.

This program follows the California Air Resources Board's (CARB) FARMER Program Guidelines: <https://ww2.arb.ca.gov/resources/documents/farmer-program-guidelines>. All funded projects, must meet and comply with the requirements found within these guidelines, including cost-effectiveness thresholds and vehicle/equipment **can only** be purchased after contract is fully executed between the applicant and the District.

FUND AVAILABILITY

- The **maximum** grant fund shall not exceed **\$95,000** per project or **65%** of the eligible cost reimbursement, whichever is **less**.
- Grant funds will be awarded to projects based on **cost-effectiveness** and **first-come, first-served** basis until funds are exhausted.

HOW TO APPLY FOR GRANT FUNDS

- Applications are limited to one new piece of equipment.
- Submitting an application does not guarantee approval for grant funds.
- Only applications deemed complete will be eligible for grant funds.
- Incomplete applications will be returned to the applicant and they can resubmit additional information to complete the application.
- Once grant funds are depleted, any applicants with pending complete applications will be notified that grant funding is no longer available.
- The District issues grant funds on a reimbursement basis. Distribution of funds does not occur until the applicant has paid for or financed the entire cost of the project with a down payment equal to the awarded amount.
- Submit the attached application and required documents to:

Imperial County Air Pollution Control District
Attn: Miguel A. Coronel
150 S. 9th Street
El Centro, CA 92243
(442) 265-1800
miguelcoronel@co.imperial.ca.us

OFFICE USE ONLY

Date of Application Submitted: _____
Funding Amount Requested: _____
Status of Application: _____
Application Number: _____

DATE STAMP

Initials: _____

The Who, What, **Where**, When, and Why of **Carl Moyer** and **FARMER**?

CARL MOYER PROGRAM YEAR 27 APPLICATION REQUIREMENTS

1. Completed Application (Sections A-G)

2. Proof of Existing Equipment Ownership, Operation and Residency in California (covering at least the previous 24 months prior to application date)

- Bill of Sale for the existing equipment
 - Tax Depreciation Logs
 - Equipment Insurance Records AND ONE of the following items:
(Note: if no Bill of Sale is available then TWO of the following items):
- | | | |
|---------------------------------|-------------------------------|---|
| • Property tax records | • Maintenance/service records | • Fuel records specific to existing equipment |
| • Bank appraisals for equipment | • General ledgers | |

3. Proof of Existing Equipment Usage (covering at least the previous 24 months) Choose ONE of three options listed:

- OPTION 1: Hour meter reading log (collected at least once per year from a functional meter)
- OPTION 2: Fuel records specific to the existing equipment (logs, purchase receipts, ledger entries)
- OPTION 3: Provide at least TWO of the following specific to the equipment:
 - Revenue & usage records with operational, standby and down time hours
 - Employee time sheets linked to equipment use
 - Maintenance records tied to specific usage hours
 - Repair work orders

4. Proof of Compliance

Sign and date the Air Resources Board Compliance Statement (page 4) and submit with application.
Construction Equipment ONLY Submit current ARB Diesel Off-Road On-Line Reporting Systems (DOORS) report to prove fleet compliance with Off-Road Diesel Vehicle Regulation

5. Replacement Equipment Documents

- Engine ARB certification (Executive Order)
- Current itemized dealer price quote (**TIER 4 FINAL**)
- Manufacturer's literature (including make, model, engine HP, standard and optional vehicle features)

6. Retrofit Documents, if applicable

- ARB certification (Executive Order)
- Current itemized dealer price quote
- Warranty documents

**The Who, What, Where, When, and
Why of **Carl Moyer** and **FARMER**?**

QUESTIONS?



Ismael Garcia
APCD Project Manager
Imperial County Air Pollution Control District
150 South 9th Street
El Centro, CA 92243
Office No. 442.265.1800
Fax No. 442.265.1799
email: ismaelgarcia@co.imperial.ca.us

Miguel A. Coronel
APC Special Projects Coordinator II
Imperial County Air Pollution Control District
150 South 9th Street
El Centro, CA 92243
Office No. 442.265.1800
Fax No. 442.265.1799
email: miguelcoronel@co.imperial.ca.us

[Grants & Programs \(Click Here\)](#)