

AB 617 Community Air Protection Program
North-End Community: Brawley-Westmorland-Calipatria
Steering Committee Meeting Agenda
Calipatria High School Library
601 W Main Street
Calipatria, CA 92233

MEETING AGENDA
Monday, October 19, 2026
5:30 p.m. – 7:30 p.m.

Facilitator: Imperial County Air Pollution Control District

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 September 21, 2026 CSC Meeting.
(Attachment: [September 21, 2026 Minutes](#))
- 4. PRESENTATIONS:**
 - A. Charter and Code of Conduct** **ICAPCD**
ICAPCD Staff will provide a second review the AB 617 North-End: Brawley-Westmorland-Calipatria Community Steering Committee Charter and Code of Conduct.
(Attachment: [AB 617 North-End Community Charter and Code of Conduct](#))
 - B. EPA New River & CAMP Air Quality Monitoring Update** **SCS Engineers**
SCS Engineers will present an overview of the EPA funded New River Air Quality Monitoring Project and provide an update on the Community Air Monitoring Plan.
(Attachment: [EPA New River & CAMP Air Quality Monitoring Update](#))
 - C. 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](#))
- 5. DISCUSSION/INFORMATION ITEMS**
 - A. Imperial County AB 617 North-End Community Open Discussion** **CSC**
Open discussion regarding the Imperial County AB 617 North-End Community.
- 6. AGENCY UPDATES** **CSC**
- 7. AGENDA TOPICS FOR NEXT MEETING** **CSC**

AB 617 Community Air Protection Program
North-End Community: Brawley-Westmorland-Calipatria
Steering Committee Meeting Agenda
Calipatria High School Library
601 W Main Street
Calipatria, CA 92233

Discuss the next CSC meeting for November 16, 2026 at the Brawley Teen Center Recreation Room (220 Magnolia Street, Brawley, CA 92227).

8. CLOSING REMARKS/AJOURNMENT

CSC

AB 617 Programa de Protección del Aire Comunitario
Comunidad Norte: Brawley-Westmorland-Calipatria
Agenda De La Reunión Del Comité Directivo
Biblioteca de la escuela secundaria Calipatria
601 W Main Street
Calipatria, CA 92233

AGENDA DE LA REUNIÓN
Lunes, 19 de octubre, 2026
5:30 p.m. – 7:30 p.m.

Facilitador: Imperial County Air Pollution Control District

BIENVENIDO

- 1. PASO DE LISTA / PALABRAS DE APERTURA DE LOS MIEMBROS DEL CSC** **CSC**
- 2. PERIODO DE COMENTARIOS PÚBLICOS** **CSC**
Los comentarios deben limitarse a no más de 3 minutos por persona.
- 3. APROBACIÓN DE ACTAS** **CSC**
Revisión y aprobación del Acta de la Reunión del CSC del 21 de septiembre de 2026.
(Adjunto: [Actas del 21 de septiembre de 2026](#))
- 4. PRESENTACIONES:**
 - A. Carta y Código de Conducta** **ICAPCD**
El personal de ICAPCD realizará una segunda revisión del Estatuto y Código de Conducta del Comité Directivo Comunitario Brawley-Westmorland-Calipatria del AB 617 North End.
(Adjunto: [Carta y Código de Conducta](#))
 - B. Actualización de la monitorización de la calidad del aire de la EPA New River y CAMP** **SCS Engineers**
Los ingenieros de SCS presentarán una visión general de Rio Nuevo, financiada por la EPA Proyecto de Monitorización de la Calidad y proporcionar una actualización sobre el Plan de Monitoreo Comunitario del Aire.
(Adjunto: [Actualización de la monitorización de la calidad del aire de la EPA New River y CAMP](#))
 - C. Programas de Carl Moyer y FARMER** **ICAPCD**
El personal de ICAPCD presentará una visión general tanto de Carl Moyer como de FARMER Programas.
(Adjunto: [Programas de Carl Moyer y FARMER](#))
- 5. ARTÍCULOS DE DISCUSIÓN/INFORMACIÓN**
 - A. Discusión abierta sobre la comunidad Norte AB 617 del condado de Imperial** **CSC**
Discusión abierta sobre la comunidad Norte AB 617 del condado de Imperial.
- 6. ACTUALIZACIONES DE LA AGENCIA** **CSC**

AB 617 Programa de Protección del Aire Comunitario
Comunidad Norte: Brawley-Westmorland-Calipatria
Agenda De La Reunión Del Comité Directivo
Biblioteca de la escuela secundaria Calipatria

601 W Main Street
Calipatria, CA 92233

- | | |
|--|------------|
| 7. TEMAS DEL AGENDA PARA LA PRÓXIMA REUNIÓN | CSC |
| Discutir la próxima reunión del CSC para el 16 de noviembre de 2026 en la Sala de Recreación del Brawley Teen Center (220 Magnolia Street, Brawley, CA 92227). | |
| 8. OBSERVACIONES DE CLAUSURA/CIERRE DE CLAUSURA | CSC |

3. Minutes:

September 21, 2026

**AB 617 Community Air Protection Program
Minutes of the North-End Steering Committee Meeting
Westmorland, California
September 21st, 2026**

Facilitator: Imperial County Air Pollution Control District

I. Assistance:

Primaries: **Eric Reyes**, Community Corridor; **John Grass**, Community Corridor; **Vincent Cuevas**, Community Corridor; **David Aguirre**, Community Corridor; **Hector Cervantes**, Community Corridor; **Sergio Cabañas**, Community Corridor; **Mario Lopez**, Community Corridor; **Sergio Valenzuela**, Community Corridor; **Ana Maria Beltran**, Community Corridor.

Alternates: **Gustavo Gomez**, Community Corridor; **Yolanda Lopez**, Community Corridor; **Jose G. Landeros**, 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; **Abigail Arballo**, Imperial County Air Pollution Control District; **Andrea Juarez**, California Air Resources Board; **Patrick Brecht**, California Air Resources Board.

I. Opening Remarks.

Ismael Garcia welcomed everyone to the meeting.

Carlos Diaz de Leon instructed the public on how to use the available translation services.

Ismael Garcia provided instructions on how to operate the microphones.

Ismael Garcia welcomed attendees and outlined the different ways the public could view the meeting. She explained how participants could access the agenda packet and submit comments for the discussion. He provided instructions on how to use the translation services. He explained the consent guidelines and confirmed they reached a quorum.

Adriana Carrillo mentioned they've reached quorum.

Vincent Cuevas reported that he contacted Congressman Dr. Raúl Reese to request the use of diplomatic channels to urge the Mexican government to tax industrial parks, noting that most pollution originates from those areas. He mentioned having copies of the email available to share.

Ismael Garcia asked **Vincent Cuevas** to share the email with them.

Eric Reyes commented that, following Governor Newsom's veto of the APCD revamp, it would be an opportune time to begin work on expanding and improving inclusive representation before the next legislative session. He noted that the main reason for the veto was the perception of an unfunded mandate and emphasized that the initiative for greater inclusion was sound and based on good public policy.

II. Public Comment Period

There were no public comments.

III. Approval of Minutes.

Sergio Cabañas motioned to approve the minutes of July 20th.

John Grass seconded the motion.

The motion passed.

IV. Presentations

AB 617 North-Imperial Sensor Site Host Recognition; Sergio Valenzuela, SCS Engineers

Belén León-Lopez thanked all the site hosts for their willingness to install the monitors on their properties.

The Becoming Project; William Cooper.

Vincent Cuevas thanked **William Cooper** and his wife for their work with their non-profit organization.

Sergio Valenzuela commented that their environmental abatement service was an excellent initiative and asked how it operated.

William Cooper explained that the Imperial County Fire Department had reached out to The Becoming Project to assist with the service.

Sergio Valenzuela asked whether they had only provided that service in Calipatria.

William Cooper confirmed that only the City of Calipatria had contacted them to provide the service.

Isabel Solis asked whether The Becoming Project had taken any action to address the Imperial Irrigation District's lack of investment in the Salton Sea and the resulting asthma issues.

William Cooper stated that he had taken the opportunity to understand how resources were distributed in Imperial County, noting that he had lived there for about six years. He observed that the situation appeared one-sided and said he now dedicates most of his time to holding the IID accountable for its actions.

Vincent Cuevas asked whether there was any possibility of supporting a civil rights lawsuit against the Mayor of Calipatria.

William Cooper responded that, as the leader of an environmental justice organization, he was unsure but emphasized the need for new political leadership throughout Imperial County.

Ismael Garcia responded, I just want to remind everyone to keep the comments respectful and be mindful of their descriptors.

AB 617 North-Imperial Paving Project Update; Adriana Carrillo, ICAPCD

Eric Reyes asked whether applicants needed to contact ICAPCD after being awarded in the bidding process.

Adriana Carrillo explained that once the bidding process was completed, ICAPCD would verify that the required number of bids had been obtained and ensure that applicants were adhering to the established guidelines.

V. Discussion / Information Items

Imperial County AB 617 North-End Community Open Discussion

Vincent Cuevas, referencing his previous comment about Congressman Reese, clarified that he did not use his title as a committee member when doing so.

Ismael García asked **Vincent Cuevas** to share his email so he could be added to the border program email list.

Eric Reyes noted that he had previously announced a meeting in Calipatria for the UC Dust Project, which involves collaboration with multiple universities. He explained that CARB had advised the universities to pause and analyze the results first. He mentioned that information about the project, including initial findings on dust

composition around the Salton Sea and updates on soil and airborne dust sampling, was available on the Los Amigos de la Comunidad website under the UC Dust Project tab. He stated that the initial results were alarming and emphasized the urgency of addressing these issues promptly. He added that he would notify members once the meeting was scheduled.

Vincent Cuevas observed hay bales being used for dust suppression along the eastern shore of the Salton Sea and noted that farmers employing this method might be earning significant profits.

Ismael García said he was unsure of the profits but confirmed that the hay bales were part of a pilot program for dust suppression and expressed interest in seeing the results.

Sergio Valenzuela requested an update on the urban greening projects.

Abigail Arballo reported that APCD had opened RFPs for urban greening in the north end, with a submission deadline of October 30. She noted that no applications had been received and encouraged members to help spread the word.

John Grass asked whether there was a predetermined plan for tree placements or if it was left to the applicants.

Abigail Arballo confirmed that placement decisions were up to the applicants.

David Aguirre requested that the email regarding the RFP release be sent to members so they could share it within the community.

Ismael García reiterated the importance of promoting the opportunity to attract potential applicants.

Sergio Valenzuela asked whether the RFP was primarily directed toward city planning.

Ismael García responded that any project could be reviewed and that proposals would be ranked based on the number of emissions they could capture.

Sergio Valenzuela asked about long-term sustainability for the greening projects.

Ismael García explained that applicants were required to maintain their projects for a 10-year period.

VI. Agency Updates

There were no agency updates discussions.

VII. Agenda Topics for Next Meeting.

Ismael García commented that there would be a presentation about the Carl Moyer program, which had been recommended by a CSC member. He explained that ICAPCD had been holding internal discussions on ways to increase public participation in the AB 617 program.

John Grass asked whether there had been any discussions with the healthcare community regarding asthma prevention.

Ismael García responded that they have a partnership with the Public Health Department, which collaborates on education and awareness efforts, and noted that a presentation is planned for the future.

Vincent Cuevas stated that he had shared an email concerning tire replacement standards for 2029.

Ismael García said he would look for that email and review it.

Vincent Cuevas remarked that the standard would be very costly for the public.

Sergio Cabañas mentioned that the asthma group had presented at the Southend Committee and encouraged them to do the same for the Northend, suggesting a presentation be scheduled for October or November.

Ismael García confirmed that a presentation at the Northend meeting was planned.

Héctor Cervantes took a moment to thank **Ismael García** for his assistance.

Eric Reyes noted that Imperial County was nearing the release of the Lithium Valley Specific Plan for voting. He explained that all public questions would be addressed and that the public would have an opportunity to discuss the responses. He emphasized the importance of broad community participation.

William Cooper, referring to the paving projects, asked how the best materials were selected and whether dust mitigation was being monitored before and after paving. He also asked when the data would be shared.

Adriana Carrillo explained that the choice of paving material was up to the applicant but had to be approved by ICAPCD during the application process. She added that Class 2 base material was not permitted because it is not considered pavement.

Ismael García stated that there was no project-specific monitoring but clarified that surrounding sensor-based data would continue to be collected and was available through AQView and CARB's website.

VIII. Final Observations / Closing

Meeting adjourned.

Programa Comunitario de Protección Atmosférica Bajo el Auspicio del Proyecto de Ley AB 617
Minuta de la Reunión del Comité Directivo
Westmorland, California
21 de septiembre de 2026

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

I. Asistencia:

Titulares: **Erick Reyes**, Corredor Comunitario; **John Grass**, Corredor Comunitario; **Vincent Cuevas**, Corredor Comunitario; **David Aguirre**, Corredor Comunitario; **Héctor Cervantes**, Corredor Comunitario; **Sergio Cabañas**, Corredor Comunitario; **Mario López**, Corredor Comunitario; **Sergio Valenzuela**, Corredor Comunitario; **Ana Maria Beltran**, Corredor Comunitario.

Suplentes: **Gustavo Gomez**, Corredor Comunitario; **Yolanda López**, Corredor Comunitario; **Jose G. Landeros**, 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; **Abigail Arballo**, Distrito de Control de la Contaminación del Aire del Condado de Imperial; **Andrea Juarez**, Junta de Recursos del Aire de California; **Patrick Brecht**, Junta de Recursos del Aire de California.

I. Comentarios Iniciales

Ismael García dio la bienvenida a todos a la reunión.

Carlos Díaz de León informó al público sobre cómo utilizar los servicios de traducción disponibles.

Ismael García dio instrucciones sobre el uso de los micrófonos.

Ismael García dio la bienvenida a los asistentes y describió las distintas formas en que el público podía seguir la reunión. Explicó cómo los participantes podían acceder a la documentación de la agenda y enviar comentarios para el debate. Asimismo, dio instrucciones sobre el uso de los servicios de traducción, explicó las pautas de consentimiento y confirmó que se contaba con el quórum necesario.

Adriana Carrillo mencionó que se había alcanzado el quórum.

Vincent Cuevas informó que se había puesto en contacto con el congresista Dr. Raúl Reese para solicitar el uso de canales diplomáticos e instar al gobierno mexicano a gravar los parques industriales, señalando que la mayor parte de la contaminación proviene de dichas zonas. Mencionó que disponía de copias del correo electrónico para compartirlas.

Ismael García pidió a **Vincent Cuevas** que compartiera el correo electrónico con ellos.

Eric Reyes comentó que, tras el veto del gobernador Newsom a la reforma de la APCD, sería un momento oportuno para comenzar a trabajar en la ampliación y mejora de una representación inclusiva antes de la próxima sesión legislativa. Señaló que el motivo principal del veto fue la percepción de que se trataba de un mandato sin financiación, y subrayó que la iniciativa de mayor inclusión era sólida y se basaba en una buena política pública.

II. Comentarios Públicos

No hubo comentarios del público.

III. Aprobación de Minutas

Sergio Cabañas propuso aprobar las minutas del 20 de julio.

John Grass secundó la moción.

La moción fue aprobada.

IV. Presentaciones

Reconocimiento a los anfitriones de los sitios de sensores de AB 617 en North Imperial; Sergio Valenzuela, SCS Engineers

Belén León Lopez agradeció a todos los anfitriones de los sitios su disposición para instalar los monitores en sus propiedades.

The Becoming Project; William Cooper.

Vincent Cuevas agradeció a **William Cooper** y a su esposa por la labor que realizan a través de su organización sin fines de lucro.

Sergio Valenzuela comentó que su servicio de mitigación ambiental era una excelente iniciativa y preguntó cómo funcionaba.

William Cooper explicó que el Departamento de Bomberos del Condado de Imperial había contactado a The Becoming Project para colaborar en dicho servicio.

Sergio Valenzuela preguntó si habían prestado ese servicio únicamente en Calipatria.

William Cooper confirmó que solo la ciudad de Calipatria los había contactado para prestar el servicio.

Isabel Solis preguntó si The Becoming Project había tomado alguna medida para abordar la falta de inversión del Distrito de Irrigación de Imperial (IID) en el Mar de Salton y los problemas de asma resultantes.

William Cooper declaró que había aprovechado la oportunidad para comprender cómo se distribuían los recursos en el condado de Imperial, señalando que había vivido allí durante unos seis años. Observó que la situación parecía desequilibrada y afirmó que ahora dedica la mayor parte de su tiempo a exigir que el IID rinda cuentas por sus acciones.

Vincent Cuevas preguntó si existía alguna posibilidad de apoyar una demanda por derechos civiles contra el alcalde de Calipatria.

William Cooper respondió que, como líder de una organización de justicia ambiental, no estaba seguro, pero subrayó la necesidad de un nuevo liderazgo político en todo el condado Imperial.

Ismael Garcia respondió, solo quiero recordar a todos que mantengan los comentarios respetuosos y tengan en cuenta sus descripciones.

Actualización sobre el proyecto de pavimentación de North Imperial (AB 617); Adriana Carrillo, ICAPCD.

Eric Reyes preguntó si los solicitantes debían ponerse en contacto con el ICAPCD tras haber sido seleccionados en el proceso de licitación.

Adriana Carrillo explicó que, una vez concluido el proceso de licitación, el ICAPCD verificaría que se hubiera obtenido el número requerido de ofertas y se aseguraría de que los solicitantes cumplieran con las directrices establecidas.

V. Diálogo/ Temas Informativos

Discusión Abierta sobre el Corredor Norte AB 617 del Condado Imperial, ICAPCD.

Vincent Cuevas, haciendo referencia a su comentario anterior sobre el congresista Reese, aclaró que no utilizó su título de miembro del comité al realizar dicha intervención.

Ismael García pidió a **Vincent Cuevas** que facilitara su dirección de correo electrónico para incluirlo en la lista de distribución del programa fronterizo.

Eric Reyes recordó que había anunciado previamente una reunión en Calipatria sobre el proyecto "UC Dust Project", el cual cuenta con la colaboración de varias universidades. Explicó que la CARB había aconsejado a las universidades hacer una pausa para analizar primero los resultados. Mencionó que la información sobre el proyecto, incluidos los hallazgos iniciales sobre la composición del polvo en los alrededores del mar de Salton y las actualizaciones sobre el muestreo de suelo y polvo en suspensión, estaba disponible en el sitio web de Los Amigos de la Comunidad, en la sección dedicada al proyecto "UC Dust Project". Señaló que los resultados iniciales eran alarmantes y subrayó la urgencia de abordar estos problemas con prontitud. Añadió que informaría a los miembros una vez que se hubiera programado la reunión.

Vincent Cuevas observó el uso de pacas de heno para mitigar el polvo a lo largo de la orilla oriental del mar de Salton y comentó que los agricultores que empleaban este método podrían estar obteniendo beneficios económicos considerables.

Ismael García dijo desconocer la cuantía de los beneficios, pero confirmó que las pacas de heno formaban parte de un programa piloto de mitigación de polvo y expresó su interés en conocer los resultados.

Sergio Valenzuela solicitó información actualizada sobre los proyectos de ecologización urbana.

Abigail Arballo informó que la APCD había abierto la convocatoria de propuestas (RFP) para proyectos de ecologización urbana en la zona norte, con fecha límite de presentación el 30 de octubre. Señaló que aún no se habían recibido solicitudes y animó a los miembros a ayudar a difundir la información.

John Grass preguntó si existía un plan predeterminado para la ubicación de los árboles o si esa decisión quedaba a criterio de los solicitantes.

Abigail Arballo confirmó que las decisiones sobre la ubicación correspondían a los solicitantes.

David Aguirre pidió que se reenviara a los miembros el correo electrónico sobre la publicación de la convocatoria para que pudieran compartirlo con la comunidad.

Ismael García reiteró la importancia de promocionar esta oportunidad para atraer a posibles solicitantes.

Sergio Valenzuela preguntó si la convocatoria estaba dirigida principalmente a proyectos de planificación urbana.

Ismael García respondió que se podía evaluar cualquier proyecto y que las propuestas se clasificarían según la cantidad de emisiones que fueran capaces de capturar.

Sergio Valenzuela preguntó sobre la sostenibilidad a largo plazo de los proyectos de ecologización.

Ismael García explicó que se requería a los solicitantes mantener sus proyectos durante un periodo de 10 años.

VI. Actualizaciones de las Dependencias

No hubo ninguna discusión sobre actualizaciones de la agencia.

VII. Temas del Orden del Día y Fecha de la Próxima Reunión.

Ismael García comentó que habría una presentación sobre el programa Carl Moyer, la cual había sido recomendada por un miembro del CSC. Explicó que el ICAPCD había estado manteniendo conversaciones internas sobre formas de aumentar la participación pública en el programa AB 617.

John Grass preguntó si había habido conversaciones con el sector de la salud en relación con la prevención del asma.

Ismael García respondió que tienen una colaboración con el Departamento de Salud Pública, el cual participa en iniciativas de educación y concienciación, y señaló que se tiene prevista una presentación para el futuro.

Vincent Cuevas indicó que había compartido un correo electrónico sobre las normas de sustitución de neumáticos para el año 2029.

Ismael García dijo que buscaría dicho correo y lo revisaría.

Vincent Cuevas señaló que la norma resultaría muy costosa para el público.

Sergio Cabañas mencionó que el grupo sobre el asma había realizado una presentación ante el Comité de Southend y animó a hacer lo mismo para el de Northend, sugiriendo programar una presentación para octubre o noviembre.

Ismael García confirmó que estaba prevista una presentación en la reunión de Northend.

Héctor Cervantes aprovechó el momento para agradecer a Ismael García su ayuda.

Eric Reyes señaló que el condado de Imperial estaba próximo a publicar el Plan Específico de Lithium Valley para su votación. Explicó que se respondería a todas las preguntas del público y que este tendría la oportunidad de debatir las respuestas. Subrayó la importancia de una amplia participación de la comunidad.

William Cooper, refiriéndose a los proyectos de pavimentación, preguntó cómo se seleccionan los materiales más adecuados y si se supervisaba la mitigación del polvo antes y después de la pavimentación. También preguntó cuándo se compartirían los datos.

Adriana Carrillo explicó que la elección del material de pavimentación correspondía al solicitante, pero debía ser aprobada por el APCD durante el proceso de solicitud. Añadió que no se permitía el uso de material de base de Clase 2, ya que no se considera pavimento.

Ismael García declaró que no existía una supervisión específica para cada proyecto, pero aclaró que se seguirían recopilando datos de los sensores circundantes y que estos estarían disponibles a través de AQView y del sitio web de CARB.

VIII. Observaciones Finales / Cierre

Se levantó la sesión

4. Presentations:

A. Charter & Code of Conduct (ICAPCD)



AB 617

North-Imperial: Brawley-Westmorland-Calipatria

Charter & Code of Conduct

October 19, 2026

Key Points



CHARTER REVIEW



CODE OF CONDUCT
REVISIT

Charter & Roster Overview

- ▶ Charter & Roster can be found at <https://www.icab617community.org/north-end-committee-documents>
- ▶ Imperial County Board of Supervisors approved the updated Roster on December 23, 2025
- ▶ Attendance:
 - ▶ Intention: Both primary & alternate to attend each monthly meeting in the 12-month calendar period
 - ▶ Absence notice: Members must notify District 24 hours before the date of the meeting with the reason for absence to be considered excused
 - ▶ Member Removal: After failure to attend three (3) cumulative meetings (without an approved leave of absence) regardless of an unexcused or excused absence within the 12-month calendar period
- ▶ Facilitator: Committee members act as potential working group facilitators and be responsible for assisting the District in leading meetings
- ▶ Leadership Committee Duties: Committee leads will share responsibility for developing meeting agendas, meeting facilitation, and Committee membership engagement

Code of Conduct

- ▶ The Code of Conduct is designed to ensure mutual and respectful participation for all AB 617 North-Imperial Community Steering Committee (CSC) members, invited presenters, and the public
- ▶ As a member of the CSC, it was agreed to abide to the AB617 Public Meeting Code of Conduct
- ▶ If a disruptive presence is holding up the public meeting, District lead may have to take preventative action to maintain the integrity of the AB 617 North-Imperial CSC public meeting process
- ▶ The Code of Conduct may be found at <https://www.icab617community.org/north-end-committee-documents>

Code of Conduct

1. Be courteous, attentive and respectful to others' point of view and opinions.
2. Be punctual in arriving to the meeting, returning from breaks, respect time limits for agenda items, and plan to stay for the entire meeting. If unable to fulfill participation for the full meeting, alternate designee will be contacted so they may take over for full participation of all CSC seats.
3. Communicate openly, directly, and respectfully.
4. Participate fully in group discussions, do not deviate to side conversations, cross-talk, or distracting behaviors.
5. Be flexible and open to exchange of ideas between the group.
6. Stay on task and do not deviate attention of the group to unrelated topics.
7. Assume that all participants have positive intentions, give all members the benefit of doubt.
8. Strive to achieve a consensus in the decision-making process; if an impasse is reached then respect a simple majority vote, even if the final choice is not of your opinion.
9. Base your decision-making on what is best for the residents of the Community, do not bring a personal agenda or base your choices on what is expedient and easy, unless that is the best choice.



Discussion / Q&A



Thank you

Adriana Carrillo

adrianacarrillo@co.imperial.ca.us

(442) 265-1800

<https://www.icab617community.org>

<https://apcd.imperialcounty.org>

4. Presentations:

**B. EPA New River & CAMP Air
Quality Monitoring Update
(SCS Engineers)**

Imperial County Air Quality Monitoring – Updates

AB617 North End Communities & New River

José Landeros

Sergio Valenzuela

Maarten Schreuder

Presentation Overview

1 North County – AB617
Background
Data Validation

2 New River
Background
Data Validation

3 Data Examples
North County
New River
Regional Wind Events
4th of July

4 Summary

1

SECTION

North County



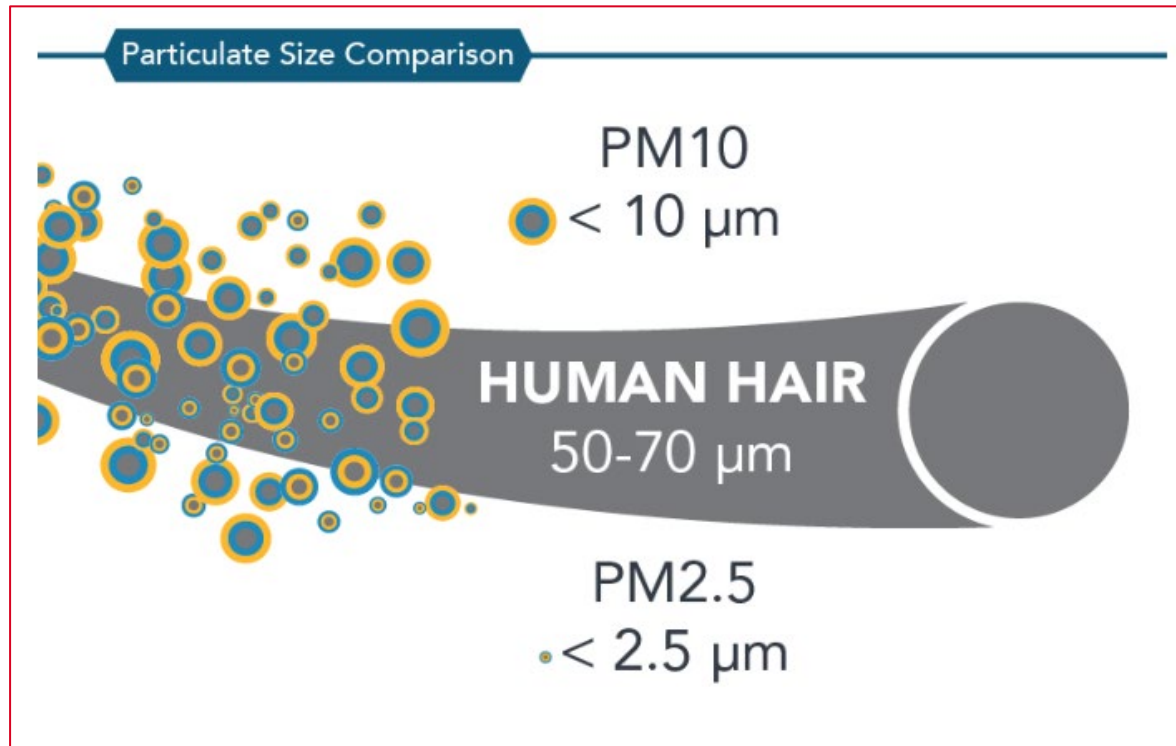
Background – North County

- Community-level monitoring as part of CA AB617
- Goal:
 - *To monitor air quality in communities disproportionately impacted by air pollution in the AB 617 North-Imperial Phase I Community*
- Stakeholders include:
 - CARB, ICAPCD, CSC
- Focused on northern communities in the Imperial Valley
 - Characterized by reoccurring high particulate matter concentrations
- Particulate matter or “dust”
 - PM₁₀ – Primary component of windblown dust
 - PM_{2.5} – Various sources (including windblown dust)

Inhalable Particulate matter

PM₁₀ – diameter of less than 10 micron

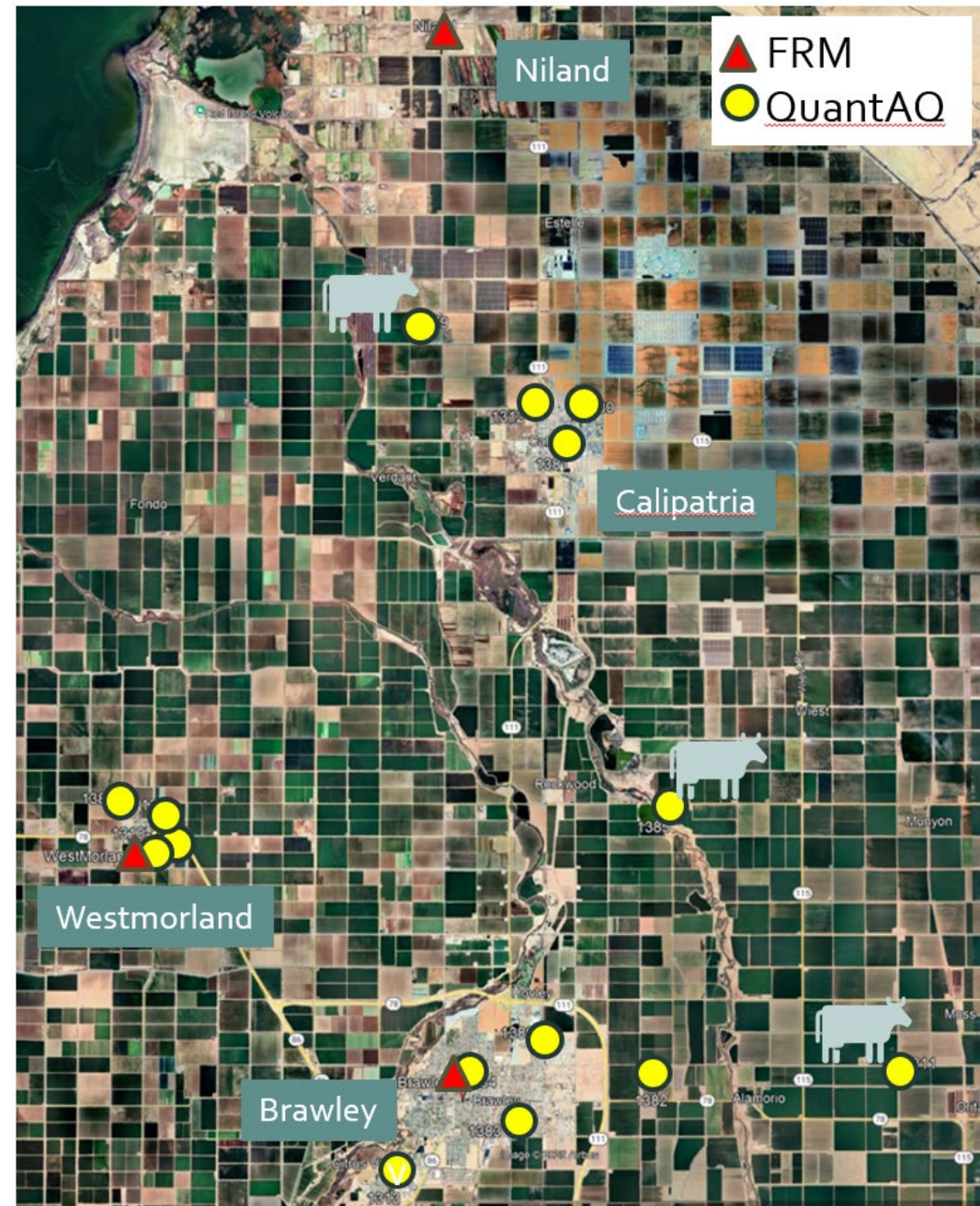
PM_{2.5} – diameter of less than 2.5 micron



Note:
These particle sizes
equate to about one
10,000th of an inch

Monitors

Network: QuantAQ Modulair
Reference: BAM 1020 and BAM 1022



▲ FRM- EPA approved Federal Reference Method

Deployments Visuals

Brawley, Magnolia



Brawley, SDSU



Brawley, S. Adams St



Calipatria, Water Treatment Plant



Completeness – Brawley

Location	Installation	Duration (months) ¹	Valid (%) ²
Brawley – Fire Department Station 2	12/13/2024	22	98
Brawley – Magnolia Union Elementary	6/25/2024	27	97
Brawley – Main Street	10/28/2024	23	98
Brawley – Residence Calle del Sol	7/5/2024	24	73
Brawley – South Adam St	10/25/2024	23	84
Brawley – SDSU	10/1/2024	24	75
Brawley – Wiest Lake	11/1/2024	23	29

¹ Approximately through September 30, 2026

² Q1 and Q2-2026 only, ending June 30, 2026

Completeness – Calipatria/Westmorland

Location	Installation	Duration (months) ¹	Valid (%) ²
Calipatria – Airport	7/5/2024	27	99
Calipatria – E Date Street	9/24/2024	24	81
Calipatria – Hernandez Park	9/10/2024	25	40
Calipatria – Water Treatment Plant	9/6/2024	25	97
Westmorland – C Street	7/26/2024	26	58
Westmorland – Elementary School	7/26/2024	26	69
Westmorland – Residence E 1 st Street	6/4/2024	28	81
Westmorland – Residence 7 th Street	10/1/2024	24	97

¹ Approximately through September 30, 2026

² Q1 and Q2-2026 only, ending June 30, 2026

Validation – Through Q2, 2026

Invalidation Reason		Overall Average (%)	Minimum (%) – by sensor	Maximum (%) – by sensor
Unit overheating		19	<0.5	3
Routine site maintenance		2	<0.1	<0.2
Insufficient values for average		7	<0.1	2
Other [†]		51	<0.1	11
Power (battery) issues		20	<0.1	6

[†] Other – no clear cause, but often associated with overheating of the units

SECTION

2

New River



Background – New River

- 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
- Timeline
 - Two-year monitoring period
 - Instruments physically installed starting late 2025 through early 2026
 - Monitoring actively commenced on June 2, 2026

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 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

SECTION

3

Data Examples



Reporting – Concentration Ranges

- Air Quality 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

[†] [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}: 7th Street, Westmorland, July 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

No apparent nearby variability													meter:	PM2.5			MM/YYYY: 2026 - July										Units:	µg m ⁻³			Days	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

Example PM_{2.5}: 7th Street, Westmorland, July 2026

Take home:

- Based on AQI
- Mainly in good and moderate classes

AQI Level
Good
Moderate
Unhealthy for Sensitive Groups
Unhealthy
Very Unhealthy
Hazardous

Sensor: MOD-PM-01387				Site Name: Westmorland, Residence 7th Street								Parameter: PM2.5				MM/YYYY: 2026 - July								Units:		#							
	Hours																																
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		Max	Avg	RDS					
1	4	4	4	8	8	7	7	8	9	7	7	6	6	6	6	6	6	6	9	14	NA	14	7	5		13.7	7.0	23					
2	4	5	5	5	6	6	7	7	5	5	4	4	5	5	5	5	4	4	4	13	5	7	6	7		12.6	5.4	24					
3	5	5	4	6	6	5	8	8	8	6	5	6	5	NA	NA	NA	8	6	7	5	5	4	3	3		8.0	5.5	21					
4	2	2	2	2	3	3	10	5	4	4	3	4	NA	NA	NA	NA	NA	NA	8	8	4	3	4	4		9.5	4.2	18					
5	4	3	3	3	3	3	3	3	4	5	5	5	NA	NA	NA	NA	NA	NA	8	5	4	4	4	4		8.1	4.0	18					
6	4	4	4	4	4	6	6	6	6	6	5	NA	NA	NA	NA	NA	NA	NA	5	5	4	6	14	19		19.0	6.2	17					
7	20	21	17	18	17	13	10	11	8	7	10	NA	NA	NA	NA	NA	NA	NA	13	15	8	8	8	10		20.7	12.6	17					
8	11	9	7	6	7	10	8	9	8	9	7	NA	NA	NA	NA	NA	NA	NA	9	9	9	7	7	6		10.8	8.1	17					
9	9	8	7	6	6	7	8	9	9	8	NA	NA	NA	NA	NA	NA	NA	9	10	5	4	5	4	6		10.2	7.1	17					
10	6	7	8	9	9	9	9	9	8	8	8	8	NA	NA	NA	NA	NA	11	8	7	7	6	7	8		10.9	7.9	19					
11	9	8	7	7	7	8	8	7	7	7	8	23	16	NA	12	9	7	11	5	4	4	4	6	7		22.5	8.2	23					
12	5	5	9	8	8	7	9	9	6	6	5	6	6	NA	NA	NA	5	4	5	6	4	4	7	6		9.0	6.2	21					
13	6	5	5	5	4	4	5	5	5	6	6	7	6	6	NA	NA	NA	5	5	5	4	5	5	5		7.0	5.3	21					
14	5	5	5	5	6	7	6	7	7	8	9	NA	NA	NA	NA	NA	NA	NA	5	5	7	5	7	10		9.5	6.4	16					
15	6	5	5	5	6	9	9	7	6	6	7	8	NA	NA	NA	NA	NA	NA	7	8	15	7	7	7		15.3	7.1	18					
16	10	8	5	5	5	7	6	6	6	7	7	7	8	6	7	7	6	5	5	5	5	6	6	7		9.7	6.3	24					
17	7	6	5	5	6	6	6	7	9	8	6	6	6	6	7	7	6	6	7	5	6	7	6	7		9.4	6.3	24					
18	6	6	5	4	5	7	7	7	6	7	NA	NA	NA	NA	NA	NA	NA	6	6	6	6	6	5	4		7.0	5.9	17					
19	4	4	4	4	5	5	5	5	6	7	7	NA	NA	NA	NA	NA	NA	7	13	7	14	6	5	5		13.7	6.3	18					
20	4	4	4	4	4	4	4	4	4	4	5	NA	NA	NA	NA	NA	NA	NA	7	5	4	4	5	4		6.9	4.3	17					
21	4	4	4	4	4	3	3	4	4	4	5	NA	NA	NA	NA	NA	NA	NA	15	14	32	15	7	5		32.0	7.9	16					
22	4	4	4	4	5	7	8	6	6	6	6	6	NA	NA	NA	NA	NA	NA	6	7	5	5	6	5		7.7	5.5	17					
23	4	5	4	4	5	7	7	7	6	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	8	5	5	6	6		8.0	5.6	15					
24	8	5	7	7	8	7	6	6	6	7	NA	NA	NA	NA	NA	NA	NA	NA	7	6	4	4	4	5		8.3	6.0	16					
25	5	5	5	5	4	5	5	6	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	10	15	9	10	4		14.8	7.1	15					
26	4	6	6	5	4	5	6	7	11	8	6	6	6	6	6	6	5	4	4	4	5	7	9	10		10.7	6.0	24					
27	9	8	8	8	8	9	10	10	10	8	NA	NA	NA	NA	NA	NA	NA	NA	14	11	11	8	4	4		14.0	8.6	16					
28	4	4	4	4	5	6	6	8	12	12	14	15	NA	NA	NA	NA	7	7	7	6	6	6	8	6		14.6	7.5	20					
29	6	6	6	6	6	7	7	7	7	7	7	NA	NA	NA	NA	NA	NA	8	14	12	6	5	5	5		14.4	7.0	18					
30	5	6	5	6	6	7	9	10	9	9	8	NA	NA	NA	NA	NA	NA	NA	8	7	5	5	5	7		10.0	6.9	17					
31	8	9	9	8	5	5	5	6	7	7	7	NA	NA	NA	NA	NA	NA	NA	9	7	7	7	8	16		15.5	7.6	17					
Max	20.0	20.7	17.2	18.2	17.3	12.9	10.1	10.8	12.1	12.2	14.0	22.5	15.6	6.3	12.2	9.0	7.5	11.0	14.6	14.5	32.0	15.1	14.1	19.0		744							
Ave	6.2	6.0	5.7	5.9	6.0	6.3	6.9	7.0	7.0	6.9	6.7	7.8	7.1	5.7	7.1	6.3	5.9	6.6	8.0	7.5	7.3	6.2	6.2	6.5		78%							
Count	31	31	31	31	31	31	31	31	31	31	30	23	14	9	6	6	9	15	30	31	30	31	31	31									

Take home:

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

LEGEND		PM ₁₀ Concentration, µg m ⁻³					
0	15	30	45	60	75	90	105

No apparent nearby variability													Instrument:	PM10		MM/YYYY: 2026 - July										Units:		µg m ⁻³		Days		31	
	Hours																																
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Max	Avg	RDS						
1	8.2	5.7	6.4	17	28.1	26.4	25.1	17.6	14.6	11.2	10.1	10.4	8.9	8.8	8.7	7.8	7.7	10.9	21.6	29.2	O	17.9	12.7	10	29.2	14.1	23						
2	6.5	9.1	10	12.3	13.4	13	20.5	20.4	11.3	10.1	8	8.2	6.7	7.9	8.1	6.6	6.9	7.7	9.9	20.8	7.9	12.1	8.2	9.2	20.8	10.6	24						
3	7.9	6.4	6.2	11.7	12.8	11.4	18.5	22.8	16	11.1	7.1	11.5	6.9	H	H	H	20.2	16.2	16.4	12.8	9.7	6.3	5.8	4.9	22.8	11.6	21						
4	4	3.7	4.4	4.3	11	10.2	20.8	15.6	9	9.6	7.1	5.9	H	H	H	H	H	H	9.9	12.1	6.9	6	8.6	5.8	20.8	8.6	18						
5	7	4.8	4.3	4.6	4.4	4.6	4.1	4.2	4.6	6.1	5.6	5.4	H	H	H	H	H	H	20.1	7	5.8	6.3	8.6	4.4	20.1	6.2	18						
6	5.4	5.7	7.8	8.5	9.8	22.7	23.8	12.5	8.5	9.5	7	H	H	H	H	H	H	H	8.3	16.2	6.4	10.4	19	21.9	23.8	12.0	17						
7	22.9	24.5	20.8	26.4	32.3	23.2	19.3	19.2	15.1	12	11.9	H	H	H	H	H	H	H	23.9	24.2	11.6	13.1	12.1	12.1	32.3	19.1	17						
8	13.5	11.5	10.8	12.6	15.4	22.1	19.9	23.7	13.7	15.3	12.7	H	H	H	H	H	H	H	24.6	23.6	23	16.6	15.9	13.4	24.6	17.0	17						
9	18.2	13.6	12.3	10.7	14.3	20.8	19.5	19.9	16.7	13.9	H	H	H	H	H	H	H	21.5	24.5	11	10.7	13.8	8.2	10.8	24.5	15.3	17						
10	8.7	10.6	16.3	18.9	20.4	19.8	21.3	17.8	13.4	16.2	13.2	13.3	M	H	H	H	H	46.4	27.6	17.2	13.2	11.8	12.7	11.9	46.4	17.4	19						
11	13.4	12.5	9.4	10.5	14.4	16.9	16.5	11.9	10.4	12.5	10.9	27.2	18.9	H	46	26.6	11.9	31.3	12.2	7.9	5.1	4.8	10.6	10.3	46	15.3	23						
12	8.2	7.6	27.7	21.4	18.8	16.1	22.3	15.2	9.7	8.6	7.1	6.9	7.4	H	H	H	5.5	6.1	6.7	9.5	6.9	6.1	9.7	10.4	27.7	11.3	21						
13	10.4	8.3	6.7	7.5	6.8	7.7	12.2	12.5	12.3	11.7	14.8	11.1	10.6	8.3	H	H	H	8.5	9.2	9.2	7.6	10.3	10.2	10.9	14.8	9.8	21						
14	10.2	8.2	10	12.4	15.5	12.7	11.6	13.3	13.8	12.8	H	H	H	H	H	H	H	H	8.4	10.1	10.9	8.1	10.2	15.6	15.6	11.5	16						
15	9.9	8.6	7.5	6.5	9.9	25.5	16.3	13.7	9.9	7.5	11.1	10.4	H	H	H	H	H	H	9.3	16	36.7	14.8	12.3	14.1	36.7	13.3	18						
16	15.4	10.5	7.3	8.8	9.2	18	18.2	16.6	15.2	18.9	14.2	14.1	28.8	15.7	15.6	13.9	15.1	10.8	8.6	12	8.9	12.4	14.3	15.9	28.8	14.1	24						
17	14.2	10	5.9	7.1	10.9	12.8	15.8	16.3	24.7	21.5	11.9	8.9	7.8	10.9	9	9.3	9.7	10.1	13.3	12.4	15.5	10.7	9.4	10.7	24.7	12.0	24						
18	10	9.8	8.1	6.9	8.5	14.7	13.7	15	9.2	10.2	H	H	H	H	H	H	H	7.6	8.3	11.2	9.4	9.1	7.3	5.8	15	9.7	17						
19	5.5	6.5	5.8	5.9	11.2	9.3	8.2	8.3	8	8.5	8.1	H	H	H	H	H	H	8.9	14.6	12.9	51.3	8.4	9.5	8.4	51.3	11.1	18						
20	6.3	6.1	4.7	5.2	8.6	8.6	13.9	8.6	7.7	5.9	7.6	H	H	H	H	H	H	H	14	8.6	5.9	5.4	7.7	5.5	14	7.7	17						
21	7	5.6	5.2	6	7.4	8.5	9.8	9	6.8	6.4	H	H	H	H	H	H	H	H	59.2	43.5	105.3	21.5	11.1	7.9	105.3	20.0	16						
22	7.1	6.3	6.5	6.3	9.2	24.5	24.4	14.7	12.5	11.2	9.7	H	M	H	H	H	H	H	10.2	18.4	10	9.3	9.6	8.4	24.5	11.7	17						
23	6.3	7	5.8	8.1	10.6	19.3	25.3	12.5	14.1	7.8	H	H	H	H	H	H	H	H	H	40	11.7	11.4	12.2	14.8	40	13.8	15						
24	25.3	11.4	10.1	11.2	27.8	19.8	18	15.4	11.4	10.5	H	H	H	H	H	H	H	H	16.1	12.4	6.8	6.8	6	10.7	28	13.7	16						
25	7.4	8.2	7.7	9	7.4	9.4	9.5	10.5	8.5	H	H	H	H	H	H	H	H	H	24.9	27.8	49.2	19.8	24.2	6.3	49	15.3	15						
26	5.6	11	15	9.2	6.3	6.4	9.1	13.5	28.9	18.6	10.8	10.7	8	7.3	11.1	6.9	6.1	5	5.1	5.1	10.4	8.9	12.2	13.1	29	10.2	24						
27	10.9	9.8	10.1	11.4	11.4	12.8	15.8	15.3	12.5	11.4	H	H	H	H	H	H	H	H	25	15.3	13	9.8	4.4	4.6	25	12.1	16						
28	5.1	6.4	6.2	7.5	8.2	9.8	11.9	18.3	31.6	29.4	34.9	32	H	H	H	H	10.3	10.1	11.6	13.4	10.5	11	11.7	9.9	35	14.5	20						
29	9.9	10.4	10.2	10.8	11	12.3	13.2	13.6	12.7	11	13.5	H	H	H	H	H	H	13.1	20.7	17.7	8.9	6.4	7	6.7	21	11.6	18						
30	6.8	10.6	9.5	9.8	9.3	12.9	29.1	36	22.7	18	11.9	H	H	H	H	H	H	H	15.8	17.2	9.7	12.9	7.4	11.3	36	14.8	17						
31	11.8	15.7	14.5	16.3	10.7	10.2	13.2	14.5	14.2	12.9	11.8	H	H	H	H	H	H	H	15.1	10.6	12.5	12.8	12.7	20.1	20.1	13.5	17						
Max	25	25	28	26	32	26	29	36	32	29	35	32	29	16	46	27	20	46	59	44	105	22	24	22									
Ave	10.0	9.2	9.5	10.5	12.7	14.9	16.8	15.4	13.5	12.3	11.3	12.6	11.6	9.8	16.4	11.9	10.4	14.3	16.5	16.3	16.7	10.8	10.7	10.5									
Count	31	31	31	31	31	31	31	31	31	30	23	14	9	6	6	6	9	15	30	31	30	31	31	31									

Example PM₁₀: 7th Street, Westmorland, July 2026

Take home:

- Based on AQI
- Mainly in good and moderate classes

AQI Level
Good
Moderate
Unhealthy for Sensitive Groups
Unhealthy
Very Unhealthy
Hazardous

Sensor: MOD-PM-01387				Site Name: Westmorland, Residence 7th Street							Parameter: PM10				MM/YYYY: 2026 - July							Units:		#							
		Hours																													
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		Max	Avg	RDS			
1	8	6	6	17	28	26	25	18	15	11	10	10	9	9	9	8	8	11	22	29	NA	18	13	10		29.2	14.1	23			
2	7	9	10	12	13	13	21	20	11	10	8	8	7	8	8	7	7	8	10	21	8	12	8	9		20.8	10.6	24			
3	8	6	6	12	13	11	19	23	16	11	7	12	7	NA	NA	NA	20	16	16	13	10	6	6	5		22.8	11.6	21			
4	4	4	4	4	11	10	21	16	9	10	7	6	NA	NA	NA	NA	NA	NA	10	12	7	6	9	6		20.8	8.6	18			
5	7	5	4	5	4	5	4	4	5	6	6	5	NA	NA	NA	NA	NA	NA	20	7	6	6	9	4		20.1	6.2	18			
6	5	6	8	9	10	23	24	13	9	10	7	NA	NA	NA	NA	NA	NA	NA	8	16	6	10	19	22		23.8	12.0	17			
7	23	25	21	26	32	23	19	19	15	12	12	NA	NA	NA	NA	NA	NA	NA	24	24	12	13	12	12		32.3	19.1	17			
8	14	12	11	13	15	22	20	24	14	15	13	NA	NA	NA	NA	NA	NA	NA	25	24	23	17	16	13		24.6	17.0	17			
9	18	14	12	11	14	21	20	20	17	14	NA	NA	NA	NA	NA	NA	NA	22	25	11	11	14	8	11		24.5	15.3	17			
10	9	11	16	19	20	20	21	18	13	16	13	13	NA	NA	NA	NA	NA	46	28	17	13	12	13	12		46.4	17.4	19			
11	13	13	9	11	14	17	17	12	10	13	11	27	19	NA	46	27	12	31	12	8	5	5	11	10		46.0	15.3	23			
12	8	8	28	21	19	16	22	15	10	9	7	7	7	NA	NA	NA	6	6	7	10	7	6	10	10		27.7	11.3	21			
13	10	8	7	8	7	8	12	13	12	12	15	11	11	8	NA	NA	NA	9	9	9	8	10	10	11		14.8	9.8	21			
14	10	8	10	12	16	13	12	13	14	13	NA	NA	NA	NA	NA	NA	NA	NA	8	10	11	8	10	16		15.6	11.5	16			
15	10	9	8	7	10	26	16	14	10	8	11	10	NA	NA	NA	NA	NA	NA	9	16	37	15	12	14		36.7	13.3	18			
16	15	11	7	9	9	18	18	17	15	19	14	14	29	16	16	14	15	11	9	12	9	12	14	16		28.8	14.1	24			
17	14	10	6	7	11	13	16	16	25	22	12	9	8	11	9	9	10	10	13	12	16	11	9	11		24.7	12.0	24			
18	10	10	8	7	9	15	14	15	9	10	NA	NA	NA	NA	NA	NA	NA	8	8	11	9	9	7	6		15.0	9.7	17			
19	6	7	6	6	11	9	8	8	8	9	8	NA	NA	NA	NA	NA	NA	9	15	13	51	8	10	8		51.3	11.1	18			
20	6	6	5	5	9	9	14	9	8	6	8	NA	NA	NA	NA	NA	NA	NA	14	9	6	5	8	6		14.0	7.7	17			
21	7	6	5	6	7	9	10	9	7	6	NA	NA	NA	NA	NA	NA	NA	NA	59	44	105	22	11	8		105.3	20.0	16			
22	7	6	7	6	9	25	24	15	13	11	10	NA	NA	NA	NA	NA	NA	NA	10	18	10	9	10	8		24.5	11.7	17			
23	6	7	6	8	11	19	25	13	14	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	12	11	12	15		40.0	13.8	15			
24	25	11	10	11	28	20	18	15	11	11	NA	NA	NA	NA	NA	NA	NA	NA	16	12	7	7	6	11		27.8	13.7	16			
25	7	8	8	9	7	9	10	11	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	28	49	20	24	6		49.2	15.3	15			
26	6	11	15	9	6	6	9	14	29	19	11	11	8	7	11	7	6	5	5	5	10	9	12	13		28.9	10.2	24			
27	11	10	10	11	11	13	16	15	13	11	NA	NA	NA	NA	NA	NA	NA	NA	25	15	13	10	4	5		25.0	12.1	16			
28	5	6	6	8	8	10	12	18	32	29	35	32	NA	NA	NA	NA	10	10	12	13	11	11	12	10		34.9	14.5	20			
29	10	10	10	11	11	12	13	14	13	11	14	NA	NA	NA	NA	NA	NA	13	21	18	9	6	7	7		20.7	11.6	18			
30	7	11	10	10	9	13	29	36	23	18	12	NA	NA	NA	NA	NA	NA	NA	16	17	10	13	7	11		36.0	14.8	17			
31	12	16	15	16	11	10	13	15	14	13	12	NA	NA	NA	NA	NA	NA	NA	15	11	13	13	13	20		20.1	13.5	17			
Max	25.3	24.5	27.7	26.4	32.3	26.4	29.1	36.0	31.6	29.4	34.9	32.0	28.8	15.7	46.0	26.6	20.2	46.4	59.2	43.5	105.3	21.5	24.2	21.9		744					
Ave	10.0	9.2	9.5	10.5	12.7	14.9	16.8	15.4	13.5	12.3	11.3	12.6	11.6	9.8	16.4	11.9	10.4	14.3	16.5	16.3	16.7	10.8	10.7	10.5		78%					
Count	31	31	31	31	31	31	31	31	31	30	23	14	9	6	6	6	9	15	30	31	30	31	31	31							

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 = $35 \mu\text{g}/\text{m}^3$

LEGEND	PM _{2.5} Concentration		($\mu\text{g}/\text{m}^3$)					
0	4	8	12	16	20	24	28	32

The apparent hourly variability													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	6	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	6	6	6	7	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	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	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	8	7	6	6	6	8	13	11	9	9	10	12.6	8.0	24	
28	11	11	10	10	9	8	8	8	9	8	8	8	8	7	6	12	7	8	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																										
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Max	Avg	N
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	6	10.4	6.8	24	
19	6	6	7	6	6	6	6	6	7	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	7	6	7	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	11	9	8	6	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	7	6	12	7	8	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			
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			
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			

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
Hours																										
Day	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	14	11	11	11	11	5	5	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	

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

AQI Level
Good
Moderate
Unhealthy for Sensitive Groups
Unhealthy
Very Unhealthy
Hazardous

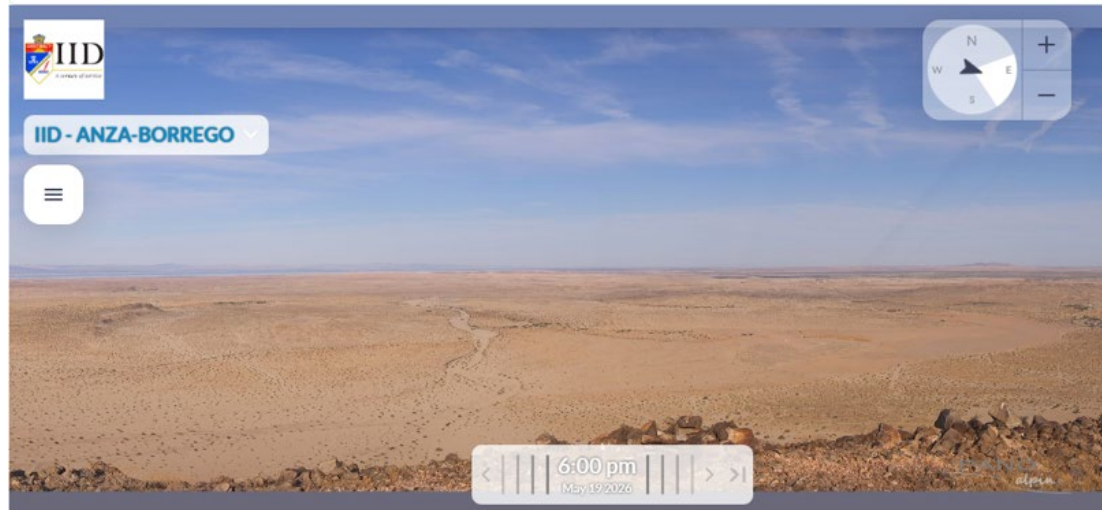
g	Sensor: Unit_04			Site Name: Brawley - New River							Parameter: NO2_1hr								MM/YYYY: 2026-August								Units: ppb															
	Hours																																									
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23					Max	Avg	N											
1	14	14	15	16	15	16	15	14	12	11	7	7	9	7	7	7	7	6	10	20	16	14	19	19					19.6	12.3	24											
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					19.7	12.7	24											
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					23.1	12.7	24											
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					17.8	12.2	24											
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					15.6	12.0	24											
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					13.9	10.8	24											
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					19.4	11.4	24											
8	14	14	15	13	14	14	11	11	11	5	5	5	7	7	7	7	7	5	14	18	15	14	15	15					18.1	11.2	24											
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					17.7	12.1	24											
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					17.3	12.3	24											
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					16.3	12.3	24											
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					18.7	11.9	24											
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					16.5	12.8	24											
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					17.3	11.7	24											
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					17.5	12.4	24											
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					19.3	12.8	24											
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					18.8	12.5	24											
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					21.0	12.7	24											
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					20.0	11.8	24											
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					16.9	12.7	24											
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					18.0	11.9	24											
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					19.7	12.4	24											
23	18	16	19	17	13	16	15	11	11	4	4	6	6	6	6	6	12	16	20	16	14	13	13	13					20.4	12.3	24											
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					18.3	10.4	24											
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					21.4	11.3	24											
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					20.7	11.9	24											
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					18.3	13.0	24											
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					18.7	12.5	24											
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					18.3	12.0	24											
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					17.9	12.4	24											
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					17.8	13.5	24											
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																		

Data Ranges – Other (June 2026)

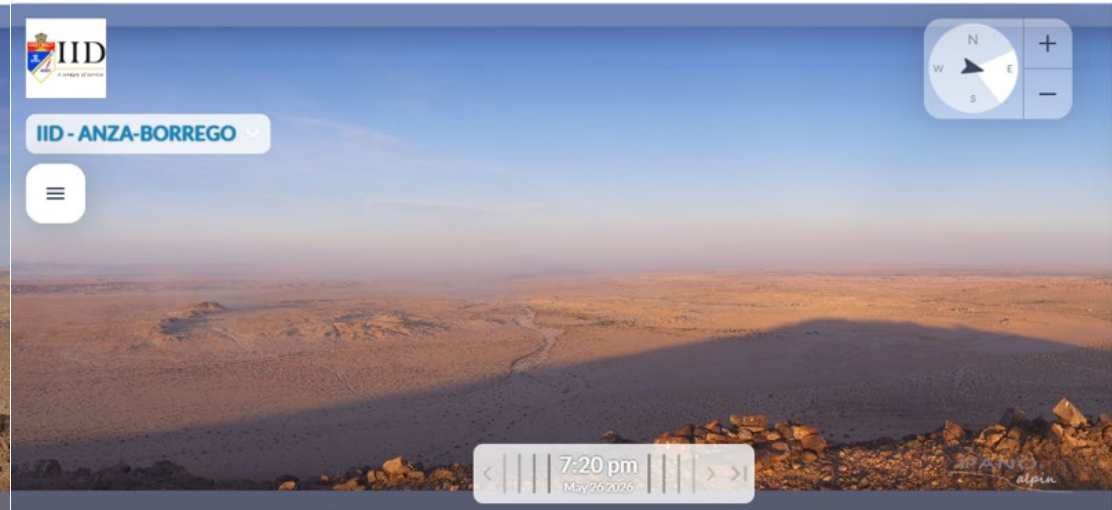
Location	Compound	Mean (Median)	Maximum
Brawley – Del Rio Country Club	H ₂ S	1.2 (0.1)	57
Brawley – Del Rio Country Club	NH ₃	16 (14)	66
Brawley – Del Rio Country Club	Benzene (ENMET)	0.3 (0.3)	1.2
Brawley – Del Rio Country Club	Meteorology	---	---
Seeley – Vulcan	Benzene (OMNI)	0.1 (0)	4.0
Calexico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

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



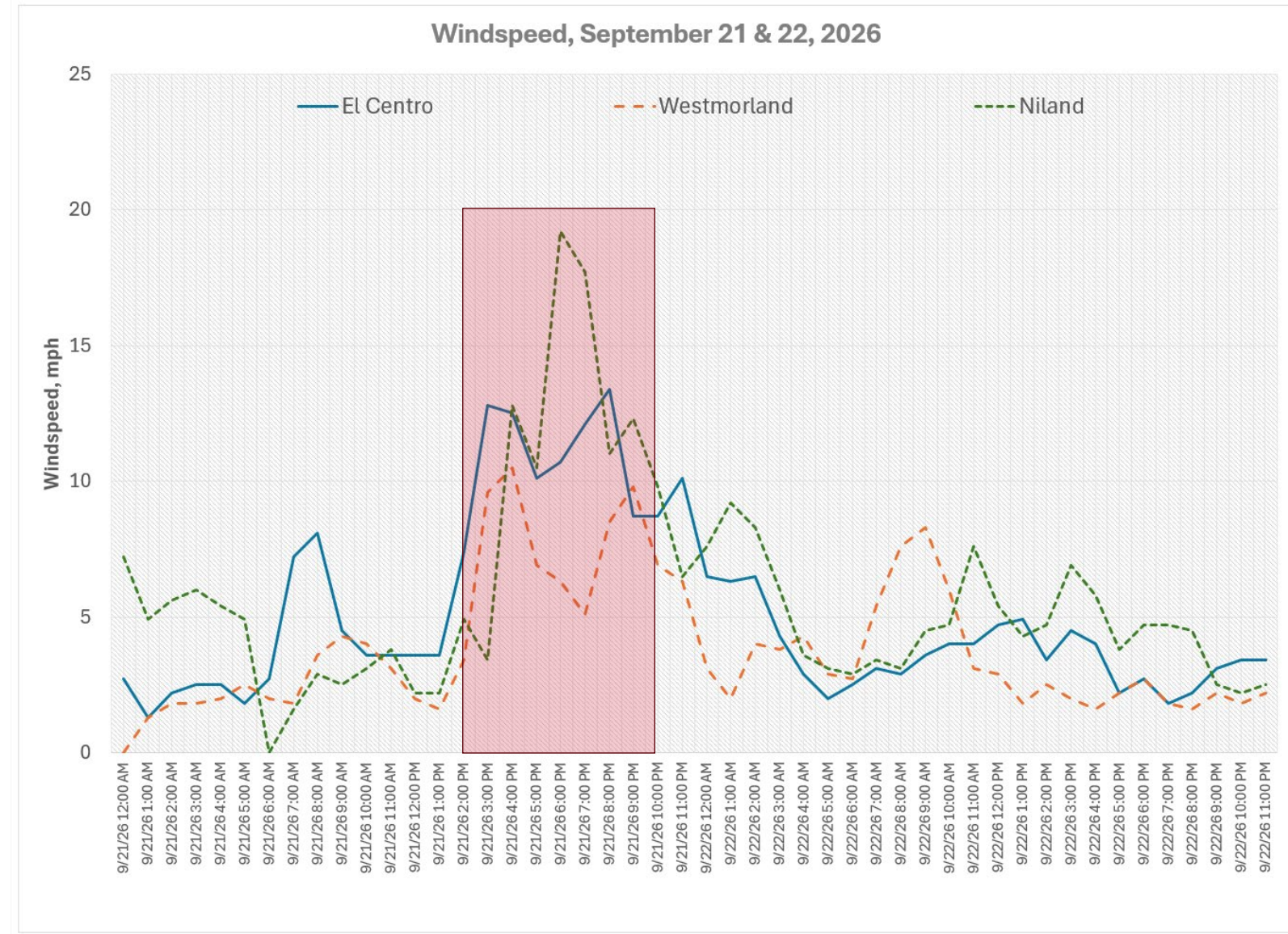
Clear day, May 2026



Hazy day, May 2026

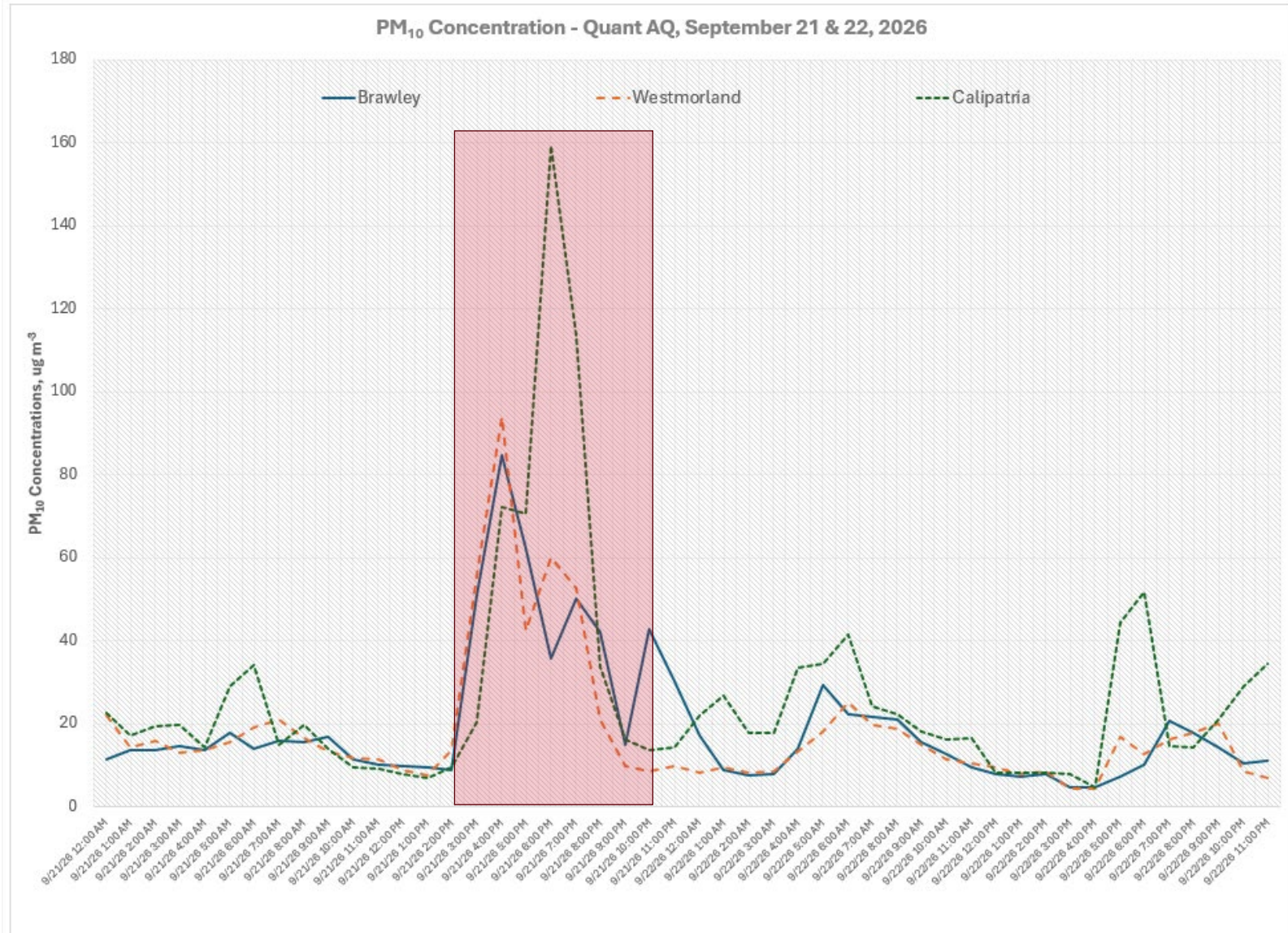
September 21, 2026 – Wind Speed

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



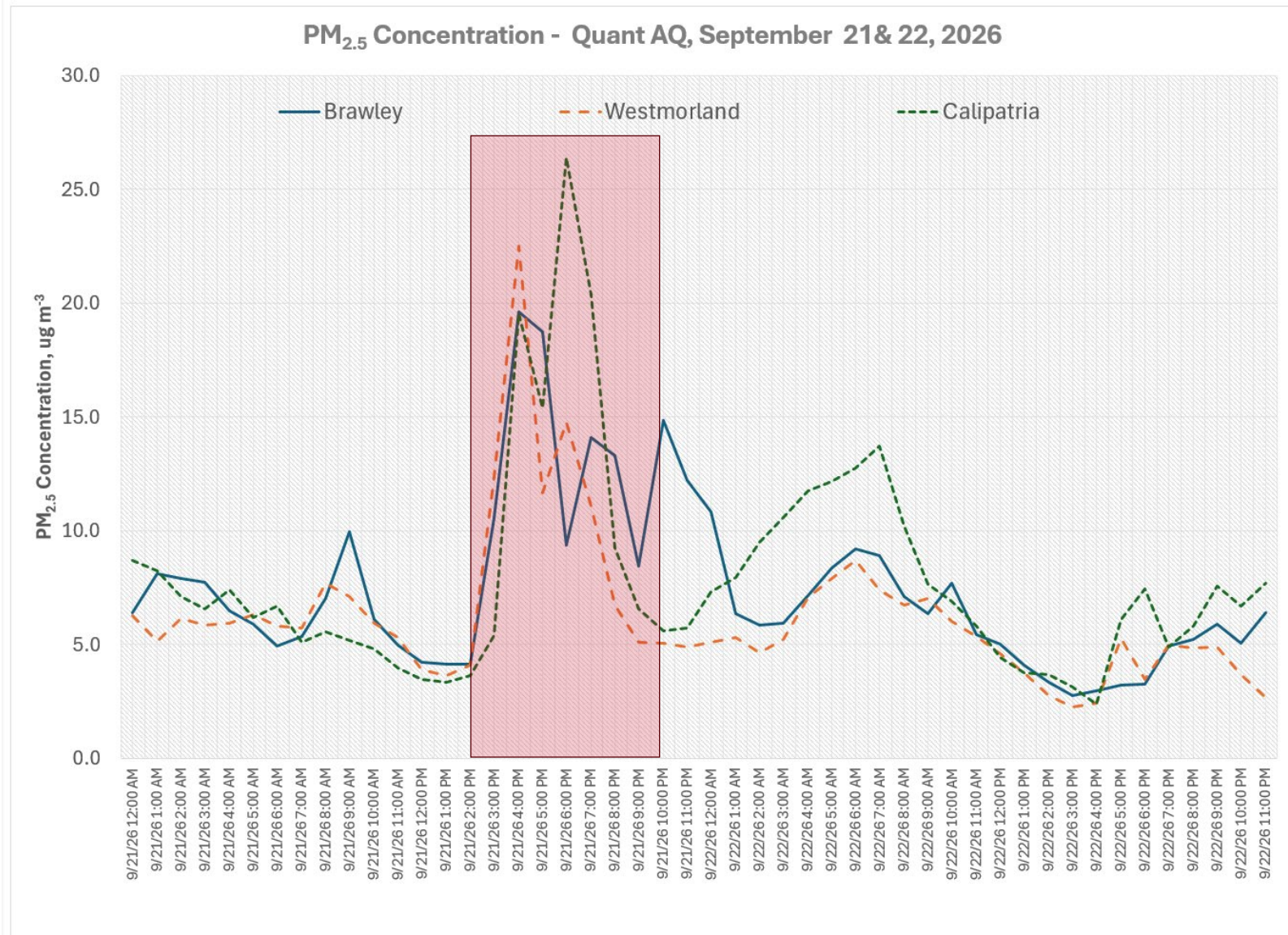
September 21, 2026 – PM₁₀ (QuantAQ)

QuantAQ units show elevated PM₁₀ at all three north county communities



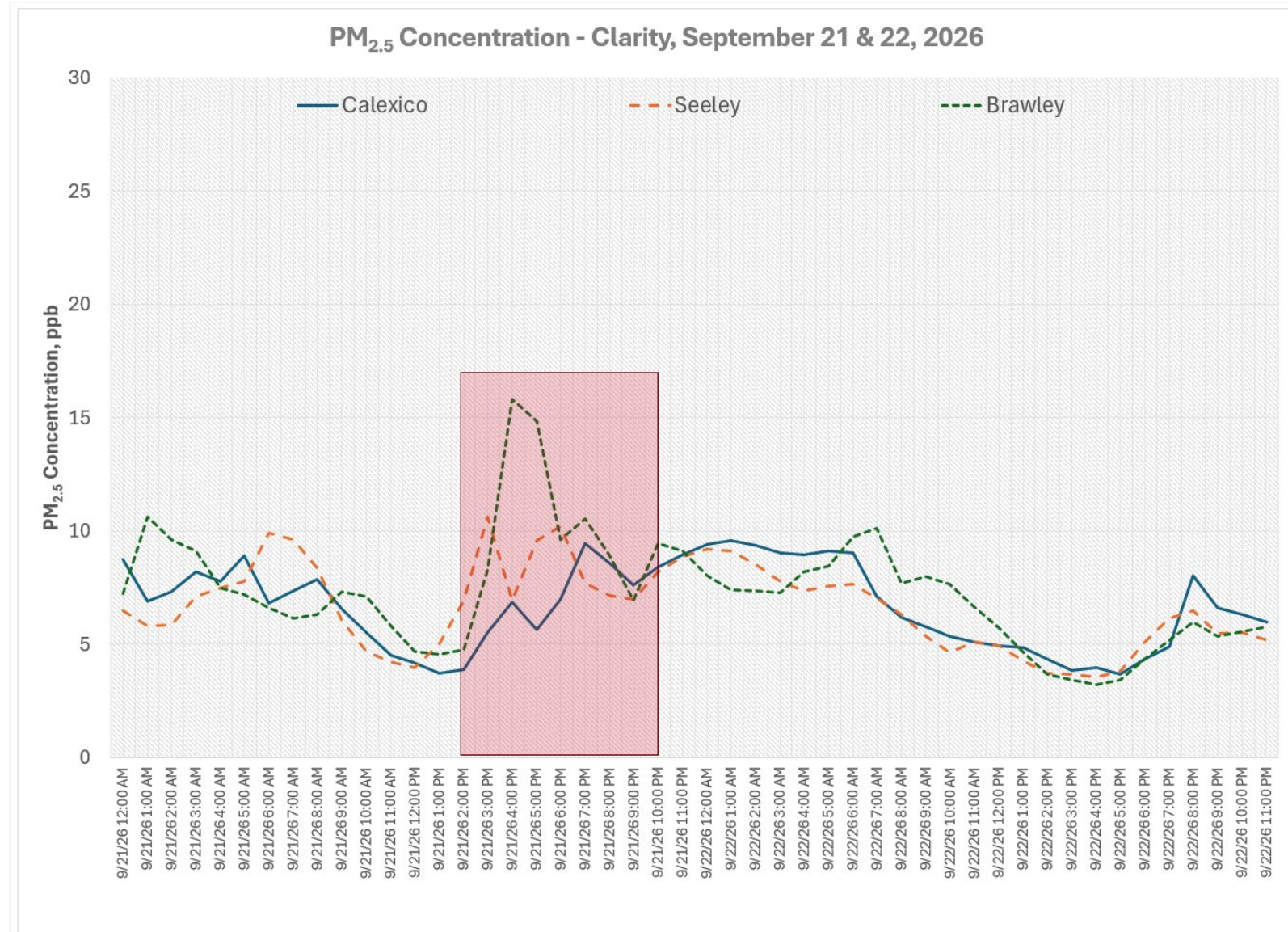
September 21, 2026 – PM_{2.5} (QuantAQ)

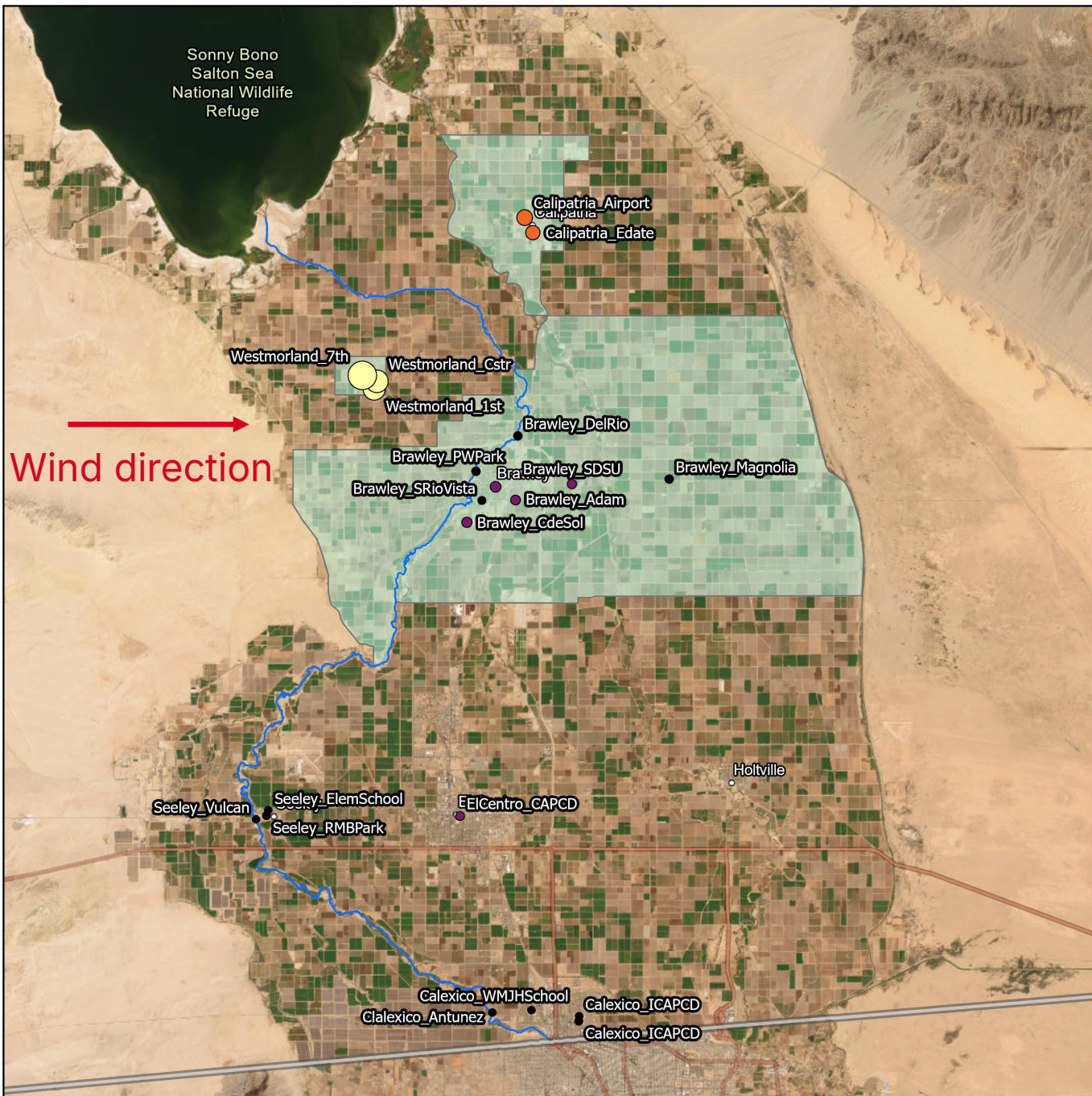
QuantAQ units show elevated PM_{2.5} at all three north county communities



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

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





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

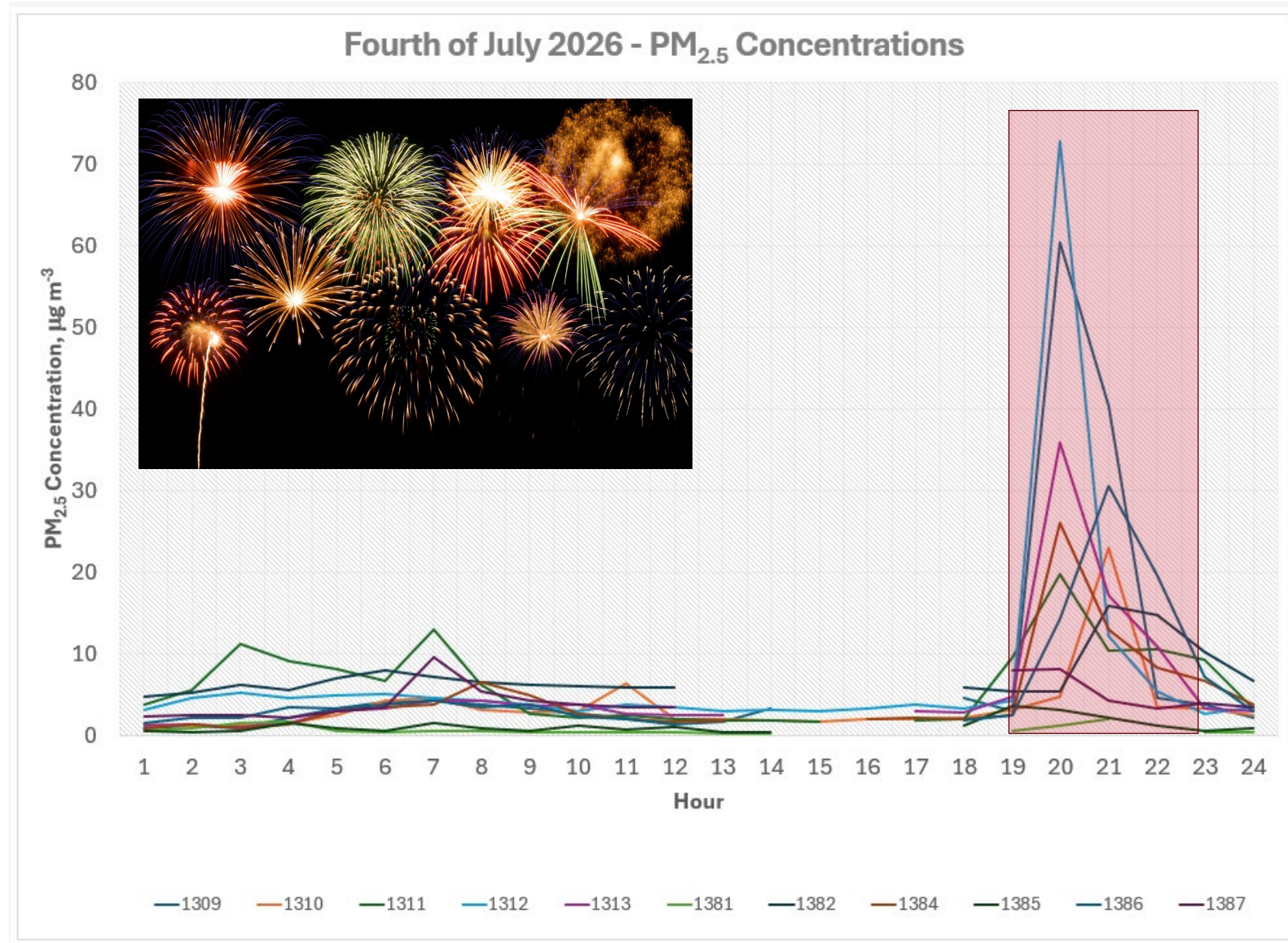
During these two events dust impacts were mostly centered on the northern part of Imperial County

Please note that the new River network monitors are not part of the North County monitoring network

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

4th of July, 2026 – PM_{2.5}

QuantAQ units
show elevated
PM_{2.5} after sunset...



4

SECTION



Summary

Conclusions

Instrument Performance

- Instruments generally perform well
- Troubleshooting
 - Overheating
 - Batteries
 - Instrument drift
 - Instrument repairs
 - Calibration gas

Reporting

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

Online Data Access

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

AQI

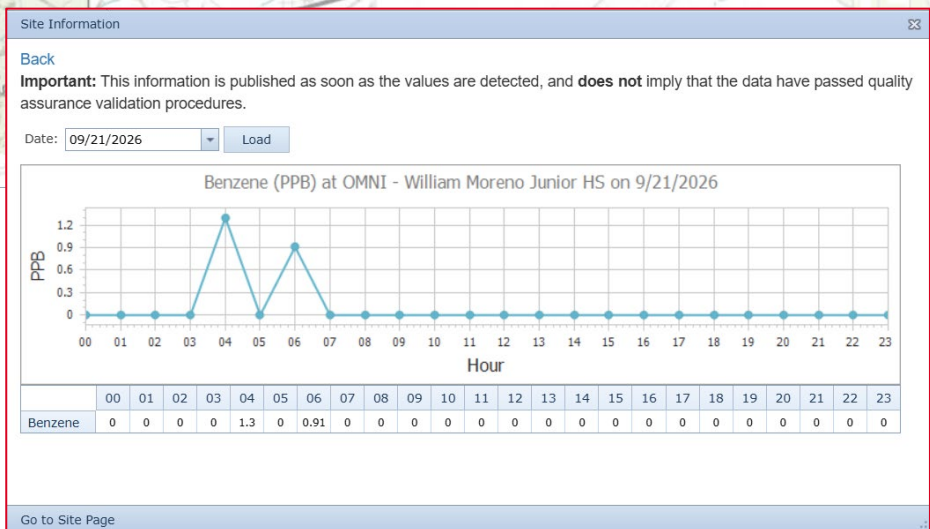
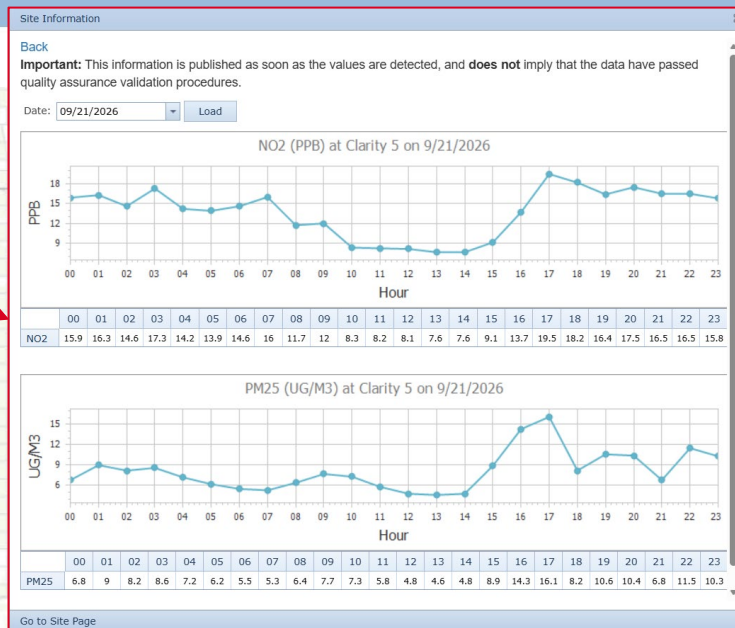
Regions: All Layers: AQI Sites: Links:

Basic Data Export

Report Output

1 of 4

	Brawley North	Brawley North	Brawley North	Brawley North	Brawley North	Brawley North	Clarity 1
	DECO	H2S	NH3	REL HUM	WIND	WS	NO2
	PPB	PPB	PPB	PERCENT	DECO	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	56.5	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

<https://newriver.agilaire.com/airvision>

THANK YOU!

José Landeros

Sergio Valenzuela

Maarten Schreuder

Paul Schafer

4. Presentations:
C. 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

Engine Serial Number
PE4045T785267
4045TP060

Product Identification Number
1P06100DVAH020132
TRACTOR 6100D

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

nonroad compression-ignition emission
1 40 CFR 89.102.

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://www2.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 \(Click Here\)](#)