ECV CSC AGENDA

April 28, 2022 / *28 de abril de 2022*

Welcome and Roll Call
Bienvenida y Pasar Lista

CSC Roundtable
Mesa Redonda del CSC

CERP Highlights
Lo Más Destacado de CERP

Greenleaf Desert View Powerplant
Planta de energía Greenleaf Desert View

Monitoring Working Team Update
Grupo de Trabajo de Monitoreo

Budget Working Team Update
Grupo de Trabajo de Presupuesto

ECV CSC AGENDA

April 28, 2022 / *28 de abril de 2022* (cont)

Outreach Working Team Update
Grupo de Trabajo de Divulgación

Next Steps
Los Siguientes Pasos

Public Comment
Comentario Público

Adjournment
Fin de la Reunión

CERP Highlights

Lo Más Destacado de CERP

2022 CERP HIGHLIGHTS

Aspectos más destacados de la aplicación del CERP

CERP

OUTREACH
DIVULGACIÓN

CAMP

2022 ECV CSC HIGHLIGHTS

LO MÁS DESTACADO DEL 2022 DEL CSC DE ECV

Q1: January – March 2022 / T1: Enero – Marzo de 2022

Air Filtration Systems (AFS) Project Plan

Staff submitted AFS project plan to CARB on March 15, 2022

Paving Project Plan

- Budget Working Team met to discuss incentive projects
- Staff developed Paving Project plan (estimated mid-May)

Salton Sea Meetings

Staff attended the Salton Sea Authority Board Meeting (3/24) and the Salton Sea Management Plan workshop (3/28)

Plan de proyecto de sistemas de filtración de aire (AFS)

El personal presentó el plan del proyecto de AFS a CARB el 15 de marzo de 2022

Plan de proyecto de pavimentación

- *El Equipo de Trabajo de Presupuesto se reunió para discutir proyectos de incentivos*
- *El personal desarrolló el plan del proyecto de pavimentación (estimado a mediados de mayo)*

Reuniones del mar de Salton

El personal asistió a la reunión de la Junta de la Autoridad del Salton Sea (3/24) y al taller del Plan de Gestión del Salton Sea (3/28)

CERP

Incentive Projects and Salton Sea Meetings / *Proyectos de Incentivos y Reuniones del Salton Sea*

2022 ECV CSC HIGHLIGHTS

LO MÁS DESTACADO DEL DEL 2022 DEL CSC DE ECV

Q1: January – March 2022 / T1: Enero – Marzo de 2022

Outreach Plan

Completed;
posted on web
(January 2022)

Plan de Divulgación

Completó; publicado en web (enero de 2022)

Outreach Materials

Presented to Outreach Working Team
(April 2022)

Materiales de Divulgación

Presentado al grupo (abril de 2022)

OUTREACH

DIVULGACIÓN

Greenleaf Desert View Power Plant

Planta de energía Greenleaf Desert View

Desert View POWER

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Mecca, California

Presents	*Presenta*
AB 617 Eastern Coachella Valley	*AB 617 Eastern Coachella Valley*
Community Steering Committee	*Comité Directivo de la Comunidad*

2022

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2022

THE BENEFITS OF THE DESERT VIEW POWER PLANT
LOS BENEFICIOS DE LA PLANTA DESERT VIEW POWER

Reliability
Confiabilidad

Local
Beneficios locales

Economical
Economía

Price Certainty
Certeza de precio

Clean
Ambiente limpio

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2022

WHAT IS DESERT VIEW POWER?

¿QUÉ ES DESERT VIEW POWER?

- Owned since 2010 by Greenleaf Power
- Built in early 1990's and addresses air quality concerns caused by agricultural open burning
- 1 of 4 facilities owned by Greenleaf in North America
- Located on the Cabazon Band of Mission Indians Reservation
- Makes enough energy to power nearly 50,000 homes for a year

- Propiedad de Greenleaf Power desde 2010
- Construida a principios de la década de 1990 para atender los problemas de calidad del aire provocados por la quema en el campo de residuos agrícolas
- 1 de cada 4 plantas es propiedad de Greenleaf in América del Norte
- Ubicada en la reserva Cabazon Band of Mission Indians
- Produce energía suficiente para dar electricidad a casi 50 000 hogares durante un año

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IMPROVED REGIONAL AIR QUALITY

CALIDAD DEL AIRE MEJORADA EN LA REGIÓN

- Eliminates the need for open burning of agricultural waste
- Controlled combustion in a biomass boiler coupled with emissions controls technology dramatically reduces the creation and release of criteria pollutants.
- Versus open burning, DVP reduces particulate matter (PM), nitrogen oxides, carbon monoxide, and volatile organic compounds

- Elimina la necesidad de quemar residuos agrícolas en el campo
- La combustión controlada en una caldera de biomasa sumada a la tecnología para el control de emisiones reduce drásticamente la generación y la emisión de los contaminates criterio
- Contrario a la quema en el campo, DVP reduce la emisión de partículas, óxidos de nitrógeno, monóxido de carbono y compuestos orgánicos volátiles

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2022

WOODY BIOMASS

BIOMASA LEÑOSA

- Trimmed trees
- Orchard and vine removal
- Fruit pits and shells
- Scrap wood from manufacturing, such as pallets
- Construction materials and other woody material that would otherwise be landfilled or open burned

- Productos de la poda de árboles
- Residuos de huertos y poda de vides
- Cáscaras y semillas de frutas
- Restos de madera usada en fabricación, como pallets
- Materiales de construcción y otros materiales de madera que, de lo contrario, se eliminarían en un vertedero o se quemarían a cielo abierto

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2022

HELPING THE LOCAL ECONOMY

AYUDANDO A LA ECONOMÍA LOCAL

- DVP employs **28** hourly employees at an average of over **$28.00/hour.**
- With overtime, the average rate increases to more than **$38.00/hour.**
- Both hourly and salaried employees **have full benefits**, including:
  - Medical
  - Dental
  - Vision
  - Retirement
  - Vacation and sick leave
  - Life insurance
- DVP employs more than 100 contractors during the spring and fall outage seasons.

- DVP tiene **28** empleados que trabajan por hora y cobran un promedio de más de **$28.00/h**
- Con horas extra, el promedio que cobran aumenta a más de **$38.00/h**
- Tanto los empleados que trabajan por hora como los asalariados **reciben todos los beneficios**, entre ellos:
  - seguro médico
  - salud dental
  - salud visual
- DVP emplea a más de 100 contratistas durante la temporada de cortes de primavera y otoño

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2022

WE PROVIDE LOCAL FINANCIAL SUPPORT

PROPORCIONAMOS SOPORTE FINANCIERO LOCAL

- We make payments totaling more than **$17 million** annually to local, state, and federal governments and organizations

- Hacemos pagos que totalizan más de **$17 millones** anualmente a gobiernos y organizaciones federales, estatales y locales

DVP Payment	Amount
South Coast Air Quality Management District	$225,000
Coachella Valley Air Enforcement	$250,000
County of Riverside Transportation Savings Fee	$48,000
State of California Sales Tax (7.5%)	$450,000
County of Riverside Sales Tax (.25%)	$15,000
County of Riverside Property Taxes	$290,000
Cabazon Band of Mission Indians	$596,000 Land Lease to Tribe $150,000 Royalty of Total Income
Payments for woody and agricultural waste brought to DVP	$1.6 million Directly to local suppliers, farmers and growers
Maintenance and operations, including materials, local contractors and labor	$7.5 million Directly to local contractors, laborers and suppliers
Capital expenditures at DVP including improvements to the facility	$1.5 million Purchases from local vendors and suppliers.
Temporary labor that's hired for the spring and fall outages	$280,000 Directly to local contractors
Freight paid to independent haulers and trucking companies to deliver fuel.	$5 million

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2022

WE ARE STRICTLY REGULATED BY GOVERNMENT AGENCIES
ESTAMOS ESTRICTAMENTE REGULADOS POR AGENCIAS DEL GOBIERNO

MANY agencies regulate our facility:

- US Environmental Protection Agency (USEPA)
- South Coast Air Quality Management District
- County of Riverside

Muchas agencias regulan nuestras instalaciones:

- US Environmental Protection Agency (USEPA)
- South Coast Air Quality Management District
- Condado de Riverside

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2022

WE CAN HELP CITIES WITH SB 1383 COMPLIANCE

RECYCLED CONTENT PRODUCT PROCUREMENT REQUIREMENTS

PODEMOS AYUDAR A LAS CIUDADES A CUMPLIR LAS REGULACIONES SB 1383

REQUISITOS DE COMPRA DE PRODUCTOS CON CONTENIDO RECICLADO

Convenience

All cities and counties can use this option, regardless of their location or electric service provider.

Conveniencia

Todas las ciudades y condados pueden usar esta opción, independientemente de su ubicación o de su proveedor de servicio eléctrico.

Timing

Time is short – some aspects of SB 1383 compliance were required as of January 1, 2022.

Plazo

El plazo es breve; algunos aspectos de las regulaciones SB 1383 se exigen a partir el 1 de enero 2022.

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2022

RELIABILITY / *CONFIABILIDAD*

- A Fuel Mix is *Good* for IID's Grid
  - Reduces pricing risk
  - Encourages development, growth, jobs, and technology
  - Increases reliability

- DVP's capacity factor is among the **highest of any technology** IID has on its grid

- A Plan for the Future
  - Load Bulls
  - Electric Vehicles
  - Industrial load growth
  - Severe Weather
  - Building Electrification

- *Una combinación de combustibles es buena para la red energética del IID:*
  - *reduce el riesgo de variaciones de precios*
  - *promueve el desarrollo, el crecimiento, el empleo y la tecnología*
  - *aumenta la confiabilidad*

- *El factor de capacidad productiva de DVP está entre los **más altos de cualquier tecnología** que el IID tenga en su red energética*

- *Un plan para el futuro*
  - *Crecimiento de la demanda*
    - *residencial*
    - *industrial*
  - *Vehículos eléctricos*
  - *Climas extremos*
  - *Electrificación de edificios*

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2022

RELIABILITY / *CONFIABILIDAD*

- IID's Load will Grow in the Future:
  - Electric Cars
  - CA Requirements to Go Electric
- DVP is critical to maintain IID's 230 kV system TODAY
- This need will grow with load

- *La demanda del IID crecerá en el futuro:*
  - *Autos eléctricos*
  - *Requisitos de CA para la conversión a energía eléctrica*
- *DVP es esencial para que el IID mantenga el sistema de 230 kV HOY*
- *Esta necesidad aumentará con la demanda*

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2022

SUPPORTED LOCALLY *APOYO LOCAL*

- RAP Foundation recently submitted a letter of support for the project, noting

  *"We have consistently viewed Desert View Power and its operator, Greenleaf Power, as a **tremendously valuable asset to our community and region**. Their clear **commitment to emissions reductions**, and the service they provide by offering a convenient alternative for the disposal of green and construction waste **has a direct impact on the health and safety of our residents**. In addition, the **strong economic and employment benefits** they provide, are a **model for industry in the region**."*

- RAP Foundation envió recientemente una carta de apoyo al proyecto, donde señalaba

  *"Siempre hemos considerado a Desert View Power y a su operador, Greenleaf Power, un **bien inmensamente valioso para nuestra comunidad y región**. Su claro **compromiso de reducción de emisiones** y el servicio que presta al ofrecer una alternativa conveniente para la eliminación de residuos verdes y de la construcción **tiene un impacto directo en la salud y la seguridad de nuestros residentes**. Además, los **sólidos beneficios económicos y de empleo** que proporciona son un **modelo para la industria de la región**".*

RAP FOUNDATION
Health, Mental Health, Juvenile Intervention

February 17, 2022

The Honorable James C. Hanks
President
Imperial Irrigation District Board of Directors
333 E. Barioni Blvd.
Imperial, CA 92251

Dear President Hanks:

On behalf of the Regional Access Project Foundation (RAP), I am pleased to provide this letter of strong support of Greenleaf Power and the company's biomass power plant in the Eastern Coachella Valley, Desert View Power (DVP).

As you know, Desert View Power is located on the Cabazon Reservation in the unincorporated portion of Riverside County. The facility began operating in 1992 and was acquired by Greenleaf Power in 2011. It is a woody biomass electrical generation facility, converting wood waste to supply renewable electricity to the California grid. The wood waste from agricultural operations in the Coachella Valley and throughout southern California would otherwise be sent to a landfill or burned at the source, often illegally and without a permit, a constant and growing concern in the Valley.

Each year DVP consumes between 360,000 and 390,000 tons of this woody biomass and converts that material into electricity, providing more than 325,000 megawatt hours annually, which is equal to the amount of electricity required to power more than 49,000 homes for a year, or about two-thirds of the households in the Coachella Valley. DVP has roughly 30 full-time employees who on average earn more than $28 per hour with full benefits. The company also uses more than 100 contractors each year for maintenance work and supports another 100+ workers in jobs related to the recovery and delivery of woody waste products.

The Regional Access Project Foundation, or RAP, incorporated in 1992 as a 501(c)(3) public benefit corporation in order to address unmet needs in the areas of health, mental health, and juvenile intervention for eastern Coachella Valley residents via grants and technical assistance to non-profit service providers. We have consistently viewed Desert View Power and its operator, Greenleaf Power, as a tremendously valuable asset to our community and region. Their clear commitment to emissions reductions, and the service they provide by offering a convenient alternative for the disposal of green and construction waste has a direct impact on the health and safety of our residents. In addition, the strong economic and employment benefits they provide, are a model for industry in the region.

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2022

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2022

Monitoring Working Team (BWT) Update

California Department of Pesticide Regulation

CALIFORNIA AIR RESOURCES BOARD

OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT

South Coast AQMD

ECV CERP Actions
Chapter 5c: Pesticides

April 28, 2022
ECV Community Steering Committee Meeting

California Department of Pesticide Regulation

CALIFORNIA AIR RESOURCES BOARD

OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT

South Coast AQMD

ECV CERP - Acciones
Capítulo 5c: Pesticidas

28 de abril de 2022
Reunión del Comité Directivo de la Comunidad de ECV

Prioritization of Pesticides

- CARB, DPR, OEHHA and SCAQMD met with MWT in March and April to discuss prioritization of pesticides.
- The following high-volume pesticides were selected for monitoring:
  - **Metam-Sodium (MITC)**
  - **1,3-Dichloropropene (1,3-D)**
  - **Chloropicrin**
- These pesticides are prioritized for monitoring because:
  - They are volatile fumigants that can be in air
  - They are toxic air contaminants (TAC)[1]
  - They have existing monitoring protocols
  - These are the major pesticides that are most likely to have the biggest impact on the community health

[1]TAC are air pollutant which may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health. More information available at: https://oehha.ca.gov/air/toxic-air-contaminants

Priorización de pesticidas

- CARB, DPR, OEHHA y SCAQMD se reunieron con MWT en marzo y abril para discutir la priorización de los pesticidas.
- Se seleccionaron los siguientes pesticidas de alto volumen para su monitoreo:
  - **Metam-Sodium (MITC)**
  - **1,3-Dichloropropene (1,3-D)**
  - **Chloropicrin**
- Estos pesticidas son priorizados para el monitoreo porque:
  - Son fumigantes volátiles que pueden estar en el aire
  - Son contaminantes tóxicos del aire (TAC)[1]
  - Tienen protocolos de monitoreo existentes
  - Estos son los principales pesticidas que tienen más probabilidades de tener el mayor impacto en la salud de la comunidad.

[1]TAC son contaminantes atmosféricos que pueden causar o contribuir a un aumento de la mortalidad o a un aumento de las enfermedades graves, o que pueden suponer un peligro presente o potencial para la salud humana. Más información disponible en: https://oehha.ca.gov/air/toxic-air-contaminants

Pesticide Air Monitoring Approach

- Seasonal intensive – high use season
  - 3 locations
    - 4 consecutive 24-hour samples per week
    - Randomized schedule to include all the days of the week
  - 13 weeks

Enfoque de monitoreo del aire de pesticidas

- Temporada intensiva – temporada de alto uso
- 3 ubicaciones
  - 4 muestras consecutivas de 24 horas por semana
  - Horario aleatorio para incluir todos los días de la semana
- 13 semanas

Typical monitoring equipment

Coconut charcoal sorbent tube

Xonteck 901 canister sampler for 1,3-D

Equipo de monitoreo típico

Tubo sorbente de carbón de coco

Xonteck 901 muestreador de botes para 1,3-D

Model 901

Muestreadores de tubos para MITC y Chloropicrin

Next Steps

- Survey possible sites
- Modify draft monitoring plan based on community comments
- Present final monitoring locations to CSC
- Prepare for fieldwork

CARB

Próximos pasos

- Encuestar posibles sitios
- Modificar el borrador del plan de monitoreo basado en los comentarios de la comunidad
- Presentar las ubicaciones finales de monitoreo a CSC
- Prepárese para el trabajo de campo

CARB

Potential monitoring locations

- Focus is on community areas
- Includes churches, community centers, local library, etc.
- **We need your help!**
  - Identifying/narrowing down locations
  - Securing permission

https://bit.ly/ECVsites

Posibles ubicaciones de monitoreo

- La atención se centra en las áreas comunitarias
- Incluye iglesias, centros comunitarios, biblioteca local, etc.
- **¡Necesitamos tu ayuda!**
  - Identificación/reducción de ubicaciones
  - Obtención de permisos

https://bit.ly/ECVsites

Total Metam-Sodium Application within ECV (2017-2019)

Aplicación total de metam-sodium en ECV (2017-2019)

Total 1,3-Dichloropropene Application in ECV (2017-2019)

Aplicación total de 1,3-dichloropropene en ECV

(2017-2019)

Total Chloropicrin Application in ECV (2017 - 2019)

Aplicación total de chloropicrin en ECV (2017 - 2019)

Most Prominent Wind Directions During High Use Season (2017 - 2019)

CARB

Direcciones de viento más prominentes durante la temporada de uso alto (2017 - 2019)

CARB

List of possible sites

Valerie/Torres-Martinez

- Sunbird Mobile Park
- Desert Mirage High School – IVAN monitor located at school
- Torres Martinez Desert Cahuilla Indians

Thermal/Coachella:

- San Felipe Mission
- Christ Is Salvation Church
- Coachella Valley Unified School District offices
- Coachella Valley Unified Facilities office
- Thermal Sheriff Station
- Jehovah's Witness Kingdom Hall
- Our Lady of Soledad Catholic Church
- Valley View Elementary School
- Catholic Charities, Coachella Valley Regional Center

Mecca/North Shore:

- Mecca Elementary School
- Iglesia Fuente de Agua Viva
- Our Lady of Guadalupe Church
- Saul Martinez Elementary School
- Boys and Girls Club Coachella
- Mecca Library
- Mecca Community Center
- North Shore Beach and Yacht Club
- Riverside County Fire Department Station 41
- Iglesia Un Manatial en el Desierto Food Bank

https://bit.ly/ECVaddresses

Lista de posibles sitios

Valerie/Torres-Martinez

- Sunbird Mobile Park
- Desert Mirage High School – IVAN monitor located at school
- Torres Martinez Desert Cahuilla Indians

Thermal/Coachella:

- San Felipe Mission
- Christ Is Salvation Church
- Coachella Valley Unified School District offices
- Coachella Valley Unified Facilities office
- Thermal Sheriff Station
- Jehovah's Witness Kingdom Hall
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Mecca/North Shore:

- Mecca Elementary School
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- Saul Martinez Elementary School
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- Mecca Library
- Mecca Community Center
- North Shore Beach and Yacht Club
- Riverside County Fire Department Station 41
- Iglesia Un Manatial en el Desierto Food Bank

https://bit.ly/ECVaddresses

Questions or comments

Preguntas o comentarios

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ECV – 2021 CAMP Highlights

Year-to-Date CAMP Actions Status

CAMP Implementation began

DEC 2020

CAMP finalized and shared with the CSC

JAN **FEB** **MAR** **APR** **MAY** **JUN** **JUL** **AUG** **SEP** **OCT** **NOV** **DEC**

Q1

Established an interagency collaboration with CARB, DPR and OEHHA to develop monitoring strategy for pesticides

Established community-led Monitoring Working Team

10 MWT meetings held as of December 2021

Added $PM_{2.5}$ monitor at Mecca site

Q2

Began the collaboration with UCR scientists

Added H_2S monitor at Indio site

Began AQY sensor deployment

7 sensors deployed as of December 2021

Q3

Expanded the Mecca site in preparation to deploy additional air monitors

Added total carbon and black carbon monitors at Mecca site

Q4

Currently gathering CSC input on the proposed monitoring strategy for pesticides

Added multiple samplers at Mecca site for baseline measurements

Sample collection begins in January 2022 for one year

South Coast AQMD

ECV – Aspectos Destacados del CAMP 2021

Estado de las Acciones del CAMP del Año Hasta la Fecha

Comenzó la implementación de CAMP

DIC 2020

CAMP finalizado y compartido con el CSC

Se estableció el Equipo de Trabajo de Monitoreo dirigido por la comunidad

10 reuniones de MWT a partir de diciembre de 2021

Se agregó un monitor de $PM_{2.5}$ en el sitio de Mecca

Se agrego un monitor de H_2S en el sitio de Indio

Se inició el despliegue de los sensores AQY

7 sensores desplegados a partir de diciembre de 2021

Se agregaron monitores de carbono total y carbono negro en el sitio de Mecca

Se agregaron múltiples muestreadores en el sitio de Mecca para mediciones de referencia

La colección de muestras comienza en enero de 2022 por un año

ENE | FEB | MAR | ABR | MAY | JUN | JUL | AGO | SEP | OCT | NOV | DIC

T1

Se estableció una colaboración interinstitucional con CARB, DPR y OEHHA para desarrollar una estrategia de monitoreo de pesticidas

T2

Comenzó la colaboración con científicos de UCR

T3

Se amplió el sitio de Mecca en preparación para desplegar monitores de aire adicionales

T4

Actualmente se está recopilando aportes del CSC sobre la estrategia de monitoreo propuesta para las pesticidas

South Coast AQMD

ECV – Q1 2022 CAMP Highlights

Quarterly CAMP Actions Status

Ongoing Efforts

- Staff continues to work with community organizations and school officials to negotiate access for additional sensor deployment
- Comprehensive measurements are ongoing at Mecca site to characterize dust emissions in this community
- Staff is collaborating with Imperial County APCD to gather H_2S data south of the Salton Sea
- Staff is collaborating with OEHHA, CARB, and DPR to develop the monitoring plan for pesticides

South Coast AQMD

ECV – Aspectos Destacados del CAMP T1 2022

Estado Trimestral de las Acciones del CAMP

ENE

Reunión del Equipo de Trabajo de Monitoreo

Discusión sobre red de sensores y pesticidas

FEB

Comenzó la colección de muestras en el sitio de Mecca para mediciones de referencia

MAR

Reunión del Equipo de Trabajo de Monitoreo

Discusión sobre red de sensores y pesticidas

Esfuerzos en Curso

- El personal continúa trabajando con organizaciones comunitarias y funcionarios escolares para negociar acceso para el despliegue de sensores adicionales
- Se están realizando mediciones exhaustivas en el sitio de Mecca para caracterizar las emisiones de polvo en esta comunidad
- El personal está colaborando con el APCD del Condado de Imperial para recopilar datos de H_2S al sur del Salton Sea
- El personal está colaborando con OEHHA, CARB, y DPR para desarollar el plan de monitoreo de pesticidas

South Coast AQMD

Location of Monitoring Stations And Air Quality Sensors

Station Name	Operated By	Monitored Pollutants	Added Monitors
Indio	South Coast AQMD	Ozone, PM2.5, PM10	H2S
Mecca (Saul Martinez Elementary School)	South Coast AQMD	H2S, PM10	PM2.5, BC, TC, POC,O3, NO2, NH3
Torres-Martinez Tribal	Torres-Martinez Cahuilla Indians	PM10	
Salton Sea Near Shore	Imperial Irrigation District	H_2S*, PM2.5, PM10	
Salton Sea Park	Imperial Irrigation District	PM2.5, PM10	

BC = Black Carbon
TC = Total Carbon
POC = Particulate Organic Carbon
* H2S monitor operated by South Coast AQMD

AB 617 monitoring page for ECV: http://www.aqmd.gov/ab617/monitoring/ecv
Access to real-time air monitoring data: http://www.aqmd.gov/ab617-data-display-tool/ecv
Access to real-time air quality sensor data: https://aqportal.aqmd.gov/

Ubicación de Estaciones de Monitoreo y Sensores de Calidad del Aire

Nombre de la Estación	Operado Por	Contaminantes Monitoreados	Monitores Agregados
Indio	South Coast AQMD	Ozono, PM2.5, PM10	H2S
Mecca (Escuela Primaria Saul Martinez)	South Coast AQMD	H2S, PM10	PM2.5, BC, TC, POC, O3, NO2, NH3
Torres-Martinez Tribal	Indios Torres-Martinez Cahuilla	PM10	
Cerca Costa de Salton Sea	Distrito Imperial de Riego	H_2S*, PM2.5, PM10	
Parque de Salton Sea	Distrito Imperial de Riego	PM2.5, PM10	

BC = Carbono Negro
TC = Carbono Total
POC = Carbono Orgánico en Partículas
* Monitor de H2S operado por South Coast AQMD

Pagina de monitoreo AB 617 para ECV: http://www.aqmd.gov/ab617/monitoring/ecv
Acceso a datos de monitoreo del aire en tiempo real: http://www.aqmd.gov/ab617-data-display-tool/ecv
Acceso a datos de sensores de calidad del aire en tiempo real: https://aqportal.aqmd.gov/

South Coast AQMD

SENSOR NETWORK DATA DASHBOARD

https://aqportal.aqmd.gov/

Staff is going to organize a Monitoring Working Team (MWT) meeting to showcase the sensor network data dashboard and its capabilities, and to gather CSC input

Please reach out to the MWT co-leads if you are interested to participate

PANEL DE DATOS DE LA RED DE SENSORES

https://aqportal.aqmd.gov/

El personal va a organizar una reunión del Equipo de Trabajo de Monitoreo (MWT) para mostrar las capacidades del panel de datos de la red de sensores y para recopilar el aporte del CSC

Por favor póngase en contacto con los co-líderes de MWT si está interesado en participar

Budget Working Team (BWT) Update

OVERVIEW OF PAVING PROJECT PLAN*
*DESCRIPCIÓN GENERAL DEL PLAN DEL PROYECTO DE PAVIMENTACIÓN**

All Community Air Protection Program (CAPP) Incentive Project Plans must be consistent with the CARB CAPP Incentive 2019 Guidelines /** ****Todos los Planes de Proyectos de Incentivos del Programa de Protección del Aire Comunitario (CAPP) deben ser consistentes con las Pautas del Incentivo CARB CAPP 2019: **:**
https://ww2.arb.ca.gov/sites/default/files/2020-10/cap_incentives_2019_guidelines_final_rev_10_14_2020_0.pdf

South Coast AQMD

TIMELINE OF PAVING PROJECT PLAN DEVELOPMENT
CRONOLOGÍA DEL DESARROLLO DEL PLAN DEL PROYECTO DE PAVIMENTACIÓN

March - April 2021 *Marzo - Abril 2021*	March – May 2022 *Marzo – Mayo 2022*	May – July 2022 *Mayo – Julio 2022*	August 2022 - TBD *Agosto 2022 - TBD*	TBD *TBD*
DETERMINE COMMUNITY-IDENTIFIED PROJECTS & FUND DISTRIBUTION *DETERMINAR PROYECTOS IDENTIFICADOS POR LA COMUNIDAD Y DISTRIBUCIÓN DE FONDOS*	ESTABLISH CRITERIA & DEVELOP PROJECT PLAN *ESTABLECER CRITERIOS Y DESARROLLAR EL PLAN DEL PROYECTO*	SUBMIT PROJECT PLAN TO CARB FOR APPROVAL *ENVIAR EL PLAN DEL PROYECTO A CARB PARA SU APROBACIÓN*	PROGRAM ANNOUNCEMENT *ANUNCIO DEL PROGRAMA*	CONTRACT DEVELOPMENT, EXECUTION, & AWARD GRANTED *DESARROLLO, EJECUCIÓN Y ADJUDICACIÓN DEL CONTRATO OTORGADO*

Please submit comments to rdalbeck@aqmd.gov by May 2, 2022, at 5:00 pm*

Por favor envíe sus comentarios a rdalbeck@aqmd.gov antes del 2 de mayo de 2022 a las 17:00*

*Staff will compile and incorporate CSC comments, where feasible, prior to submitting to CARB for approval.
**El personal compilará e incorporará los comentarios del CSC, cuando sea factible, antes de enviarlos a CARB para su aprobación.*

South Coast AQMD

Outreach Working Team (OWT) Update

Outreach Materials

Materiales de Divulgación

What is South Coast AQMD & AB 617?

Que es South Coast AQMD y AB 617?

The South Coast Air Quality Management District (South Coast AQMD)

Who are we?

¿quiénes somos?

Stop
air pollution
before it starts

Detener
la contaminación del aire
antes de que comience

Helping businesses do their part

Ayudar a las empresas pequeñas a hacer su parte

This Photo by Unknown Author is licensed under CC BY-SA-NC

Tackling health problems

Abordar los problemas de salud

Keeping a constant watch on our air

Mantener una vigilancia constante en nuestro aire

Providing education and outreach

Proporcionar educación y divulgación

Assembly Bill (AB) 617 Community Air Initiatives

South Coast AQMD

What is AB 617?

Assembly Bill 617 is a community-focused program to monitor and reduce air pollution in environmental justice communities.

What is the Community Emissions Reduction Plan (CERP)?

The CERP outlines the actions and commitments by the Community Steering Committee (CSC), the South Coast AQMD, and the California Air Resources Board (CARB) to reduce air pollution in the community.

What are the strategies for the CERP?

- Regulations
- Targeted Monitoring
- Enhanced Enforcement
- Inter-Agency Collaboration
- Exposure Reduction (e.g., air filtration systems)
- Incentives
- Public Information & Outreach

More information on AB 617:
www.aqmd.gov/AB617
Email: AB617@aqmd.gov

Follow us:
@SouthCoastAQMD

AB 617

The South Coast Air Quality Management District is actively conducting exciting and comprehensive community-based efforts that focus on improving air quality and public health in environmental justice communities.

South Coast Air Quality Management District está llevando a cabo activamente esfuerzos emocionantes e integrales basados en la comunidad que se centran en mejorar la calidad del aire y la salud pública en las comunidades de justicia ambiental.

South Coast AQMD Air Monitoring Stations
Air Monitoring Stations Operated by Other Agencies
Sensors Deployed as of April 2022
Proposed Sensor Locations
ECV Community Boundary
Indio
Mecca
Torres Martinez Tribal
Near-Shore
Salton Sea Park
Riverside
Myoma
Quinta
Twenty-Nine Palms Reservation
Cabazon Reservation
Mecca Hills Wilderness
Santa Rosa-San Jacinto Mountains National Monument
Mortmar
Ferrum
Durmid
Salton Sea State Recreation Area

Indio
Coachella
Thermal
Mecca
North Shore
Oasis
Orocopia Mountains Wilderness

ECV CSC
Air Quality Priorities

Prioridades de Calidad del Aire

Education Resources:

Recursos Educativos

CAPES - **C**lean **A**ir **P**rogram for **E**lementary **S**tudents

- **Information / *información*:** http://www.aqmd.gov/home/programs/education/capes
- **Video**: https://www.youtube.com/watch?v=en8QvEmg288&t=9s

WHAM – **W**hy **H**ealthy **A**ir **M**atters

- Air quality education program for middle school and high school students / *Programa de educación sobre la calidad del aire para estudiantes de secundaria y preparatoria*
- Awareness of air quality issues and youth empowerment to drive positive change / *Conciencia y empoderamiento para impulsar un cambio positivo*
- Video: https://www.youtube.com/watch?v=2y5RpgI00eo

WHAM

Why Healthy Air Matters

Air Quality Education by South Coast AQMD

Middle School & High School Air Quality Education Program by South Coast AQMD

WHAT IS THE WHAM PROGRAM?

The WHAM Program is South Coast AQMD's free air quality education program for high school and middle school students. After school programs, clubs, and other organizations are also eligible to participate in the program. The program utilizes a curriculum developed by South Coast AQMD, which is aligned with Next Generation Science Standards (NGSS).

WHY IS THE WHAM PROGRAM IMPORTANT?

This region suffers from some of the poorest air quality in the nation and does not meet federal standards for:

- Ozone (smog)
- Fine particulate matter (PM2.5)

WHAM increases awareness of air quality issues in communities throughout South Coast AQMD's jurisdiction, especially within environmental justice communities, and seeks to introduce students to potential academic and career pathways related to air quality.

What does each participating school receive?*

Each participating teacher will receive access to the WHAM curriculum as well as the supplies and materials needed to successfully complete the lessons and experiments. WHAM provides teachers with flexible options to accommodate their classes and their students' needs.

*Due to limited resources, only teachers are eligible to receive supplies for experiments from South Coast AQMD.

WHAT IS SOUTH COAST AQMD?

The South Coast Air Quality Management District (South Coast AQMD) is the regional air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties. South Coast AQMD's mission is to clean the air and protect the health of all residents in the South Coast Air District through practical and innovative strategies.

CONTACT US

For more information about the program or to refer a school for potential participation, please visit AQMD.gov/WHAM or contact:

Regla de Quema Agrícola de South Coast AQMD

Ley de la Asamblea (AB) 617 Programa de Protección del Aire de la Comunidad - Comunidad del Este del Valle de Coachella (ECV)

Regla 444 Quema al Aire Libre

minimiza las emisiones de la quema al aire libre para proteger la salud y la seguridad pública.

Esta regla se aplica a:

Quema Agrícola

Quema de emergencia para evitar que los cultivos se congelen

Entrenamiento del departamento de bomberos

Quema requerida para reducir el riesgo de incendio

Eliminación de tumbleweed

Otros

Requisitos de Quema Agrícola

Quema agrícola:

- debe ser al menos 1,000 pies de distancia de residencias, escuelas, centros de cuidado diurno, y hospitales
- debe comenzar una hora después del amanecer y terminar dos horas antes del atardecer
- debe tener menos de 41 acres por día
- debe contener solo desechos agrícolas (libres de suciedad, tierra y otros desechos)
- debe encenderse con un dispositivo aprobado (no produce humo negro)

Residuos permitidos para ser quemados *

- Cítricos
- Árboles frutales
- Viñas de uva
- Frondas de palmeras datileras
- Arbustos
- Verduras
- Otro desbroce de terrenos para operaciones agrícolas (por ejemplo, matorral de tamariscos)

*Todos los desechos agrícolas deben estar libres de basura, desechos no agrícolas, tierra y humedad visible.

Residuos NO permitidos para ser quemados

- Basura, plásticos, neumáticos, filtros de aceite
- Palets, madera tratada químicamente
- Material con amianto
- Material de embalaje
- Contenedores de pesticidas y fertilizantes.
- Material de construcción y demolición.
- Vegetación ornamental o paisajística (por ejemplo, césped y malezas)

Proceso de Permiso de Quema Agrícola

1 Plan de gestión de Quema e inspección previa al Quema

Presente un Plan de Gestión de Quemas y solicite una inspección previa a la quema de South Coast AQMD llamando al (909) 396-3403.

2 El día antes una Quema

Obtener un Número de Autorización de Quema de South Coast AQMD llamando al: (909) 396-3403 antes de la 4:00 p.m.

3 Contacte al Departmento de Bomberos Local

Después de recibir un Número de Autorización de Quema, contacte a su departamento de bomberos local en la mañana cuando se vaya a quemar para ver si está permitido.

4 Quema y Informe

Siga los requisitos de la regla y use las mejores prácticas para reducir las emisiones.

Presente un informe anual de quemas que incluya información como los materiales quemados, la cantidad quemada y las emisiones totales.

www.aqmd.gov/ab617

Agricultural Burning in Eastern Coachella Valley (ECV)

Emissions from Agricultural Burning in ECV in Tons Per Year (tons/year)*

	VOC** (tons/year)	NOx** (tons/year)	CO** (tons/year)	PM10** (tons/year)	PM2.5** (tons/year)
Agricultural Burning	2.15	24.87	1.43	2.97	2.82

*Emissions data from 2017 was developed by South Coast AQMD staff and based on agricultural burn permits.
**VOC = volatile organic compounds; NOx = nitrogen oxides; CO = carbon monoxide; PM10 = particulate matter less than or equal to 10 microns in diameter; PM2.5 = particulate matter less than or equal to 2.5 microns in diameter.

Acres Burned in ECV by Location - Year 2017*

*Data does not include burns on tribal lands, nor burns that are not permitted by the South Coast AQMD (e.g., illegal burns).
**Areas outside cities and census designated places.

Type of Materials Burned in ECV - Year 2017

Who do I call if I see burning that is not allowed?

County of Riverside Fire Department: 760-396-2173
City of Coachella Fire Department: 760-398-8895
City of Indio Fire Department: 760-347-0726
South Coast AQMD: 1-800-CUT-SMOG or 1-800-288-7664

For additional information on South Coast AQMD's Open Burn Program please visit: www.aqmd.gov/open-burn

www.aqmd.gov/ab617

@SouthCoastAQMD

Polvo Fugitivo de Carre

en el Este del Valle de Coachella

¿Qué es el polvo fugitivo de carretera?

Cualquier material sólido (p.ej., arena, grava y tierra) en carreteras pavimentadas o sin pavimentar que se transporta por el aire.

¿De dónde proviene de carretera

El polvo fugitivo de la carrete viajan por carreteras pavime que están cubiertas con ma tierra de los sitios d

¿Qué emisiones provienen del polvo fugitivo en ECV?*

Partículas gruesas (PM10) emitidas por carreteras

Toneladas por año (TPY)

Polvo en Carreteras Pavimentadas

Polvo en Carreteras sin Pavimentar

Partículas finas (PM2.5) emitidas por carreteras

Toneladas por año (TPY)

Polvo en Carreteras Pavimentadas

Polvo en Carreteras sin Pavimentar

Tanto **PM10** co suficientement ser inhaladas er problemas de sa

El **PM2.5** puede p profundamente e puede causar o e enfermedades ca pulmonares y otro

*Esta información millas recorridas p informadas por el del Estado de Calif de emisiones de 20

Fugitive Road Dust

in the Eastern Coachella Valley

What is Fugitive Road Dust?

Any solid material (e.g., sand, gravel and soil) on paved or unpaved roads that becomes airborne.

Where does Fugitive Road Dust come from in ECV?

Fugitive Road Dust is kicked up by vehicles traveling on paved and unpaved roads that are covered with loose material like mud or dirt from construction sites.

What emissions come from Fugitive Road Dust in ECV?*

Coarse particles (PM10) emitted from roads

Tons Per Year (TPY)

Paved Road Dust

Unpaved Road Dust

Fine particles (PM2.5) emitted from roads

Tons Per Year (TPY)

Paved Road Dust

Unpaved Road Dust

Both **PM10** and **PM2.5** are small enough to be inhaled into the lungs and cause health problems.

PM2.5 can go deeper into the lungs and can cause or worsen heart diseases, lung diseases, and other health problems.

*This information was calculated using the Vehicle Miles Traveled (VMT) reported by the California State Highway System and emissions information from 2017.

Additional Outreach Resources

Recursos adicionales de divulgación

Air Quality Alerts

Alertas de Calidad del Aire

Air Quality Notifications:
Notificaciones de Calidad del Aire:
http://aqmd.enviroflash.info/signup.cfm

Salton Sea Odor Events hydrogen sulfide (H2S) / *Eventos de Olor Sulfuro de hidrógeno:* https://saltonseaodor.org

Active Advisories (smoke, windblown dust, etc): http://www.aqmd.gov/home/air-quality/air-quality-advisories

HOW TO REPORT AN AIR QUALITY COMPLAINT

South Coast AQMD

There are 3 ways to file:

- Call 1-800-CUT-SMOG (1-800-288-7664)
- Visit www.AQMD.gov/Complaints
- Download the South Coast AQMD app and select “1-800-CUT-SMOG”

Please have ready:

- Date and time of the air quality event
- Type of air quality event (odors, dust, asbestos, smoke, etc.)
- Odor description (gas, chemical, rotten eggs or other familiar odor)
- Address or location of suspected source

@SouthCoastAQMD

CÓMO PRESENTAR UNA QUEJA SOBRE LA CALIDAD DEL AIRE

South Coast AQMD

Hay tres formas de presentar la queja:

- Llame al 1-800-CUT-SMOG (1-800-288-7664)
- Visite www.AQMD.gov/Complaints
- Descargue la aplicación de South Coast AQMD y seleccione “1-800-CUT-SMOG”

Por favor, tenga listo:

- Fecha y hora del incidente de calidad del aire
- Tipo de incidente relacionado con la calidad del aire (olores, polvo, asbestos, humo, etc)
- Descripción del olor (gas, producto químico, huevos podridos u otro olor familiar)
- Dirección o ubicación de la fuente presunta

@SouthCoastAQMD

New Complaint Tracl

Welcome to the South Coast Air Quality Management District's On-line Complaint Reporting System. **Air Quality complaint be reported by calling 1(800)CUT-SMOG or 1(800)288-7664.**

Your Information About Your Privacy

Fields marked with * are required, others are optional.

Phone : ( ) *

Email :

First Name :

Last Name :

Street Name :

City : Select ...

Zip :

☐ **Remember Me** (Be sure to uncheck this box if you are using a public computer so that other users cannot view your information)

Online Complaint System

Complaint Details

Please describe in detail the air quality problem you've experienced. It's important to let AQMD know the date and time when you first detected

Sistema de Quejas

Complaint Type : Select ... *

South Coast AQMD app

ADDITIONAL FEATURES

- Fully translated to Spanish
- Interactive air quality map
- Forecasted air quality
- Configurable air quality notifications
- Integrated temperature information
- Animated weather background
- Alternative fuel stations
- Call 1-800-CUT-SMOG at the touch of a button

Stay Connected: *Manténgase conectado*

@SouthCoastAQMD

Other Recommendations

Otras Recomendaciones

QR codes

Linktree

Share info with Healthcare / Community Organizations Resources

ECV CSC RESOURCES

www.aqmd.gov/AB617/ECV

2019 – 2021 AB 617 Annual Progress Report

Figure 7 – Key CERP Implementation Highlights for the ECV Community

Incentives:

- Approximately $30.2 million has been allocated for incentive projects (e.g., mobile source projects and community-identified projects) through CARB's Community Air Protection Program (CAPP) Incentive Funds
- An estimated 116.2 tons per year (tpy) NOX, 9.4 tpy of PM and 13.6 tpy of VOCs in emissions reductions

Rules and Regulations:

- CARB Board adopted the Advanced Clean Truck Rule in June 2020
- Continued enforcement of Rule 444 - Open Burning, including pre-burn inspections of all permitted fires

Outreach:

- The Department of Pesticides Regulation (DPR), in collaboration with U.S. EPA held a Pesticides Workshop on June 15-16, 2021, where South Coast AQMD staff presented
- Selected for the U.S. EPA State Environmental Justice Cooperative Agreement Program (SEJCA) grant to establish partnerships for air quality community training in ECV

Monitoring:

- 8 Monitoring Working Team (MWT) meetings have been held to discuss potential monitoring locations

Collaboration

- Initiated partnership with CARB, DPR, the Office of Environmental Health Hazard Assessment (OEHHA), and the Riverside County Agricultural Commissioner to address CSC concerns related to pesticides
- Pursued a collaborative patnership with the California Natural Resources Agency (CNRA) and the Imperial Irrigation District (IID) and provided comment on the Salton Sea Management Plan Draft Dust Suppression Action Plan to address concerns around the Salton Sea

ECV CSC
SCHEDULE / *CALENDARIO*

Q1	Q2	Q3	Q4
January 27 *27 de enero*	**April 28** ***28 de abril***	June 23 *23 de junio*	October 27 *27 de octubre*

¡GRACIAS! THANK YOU!

Para más información, preguntas o sugerencias después de esta reunión:

For more information, questions, or suggestions after this meeting:

Envíenos un correo electrónico a:

Email us at:

ab617@aqmd.gov

***Enlace Comunitario* (Community Liaison)**
Arlene Farol Saria, (909) 396-2250

CERP
Pedro Piqueras, (909) 396-3314
Diana Thai, (909) 396-3443
Robert Dalbeck, (909) 396-2139

CAMP
Payam Pakbin, (909) 396-2122
Julia Montoya-Aguilera (909) 396-2864

Compliance
Pavan Rami, (909) 396-2361