

FromtheGroundUp-An Environmental Justice ApproachtoCommunityScienceandAirMonitoring.

CENTRAL CALIFORNIA ONMENTAL JUSTICE NETWORK Gustavo Aguirre Jr Kern County Director - CCEJN

Outline: Overview of CCEJN and Geolocation

- Background of local environmental justice
- projects
 - Why Community Science & Air Monitoring
- **Communities perspective**
 - Questions?

Picture: Gustavo Aguirre Jr; Kern County Chevron Oilfield. 9 thousand active oil wells – third largest oilfield in Kern County

CCEJN Mission Statement

To empower our communities and secure our children's future by eliminating negative environmental impacts in low-income and communities of color.

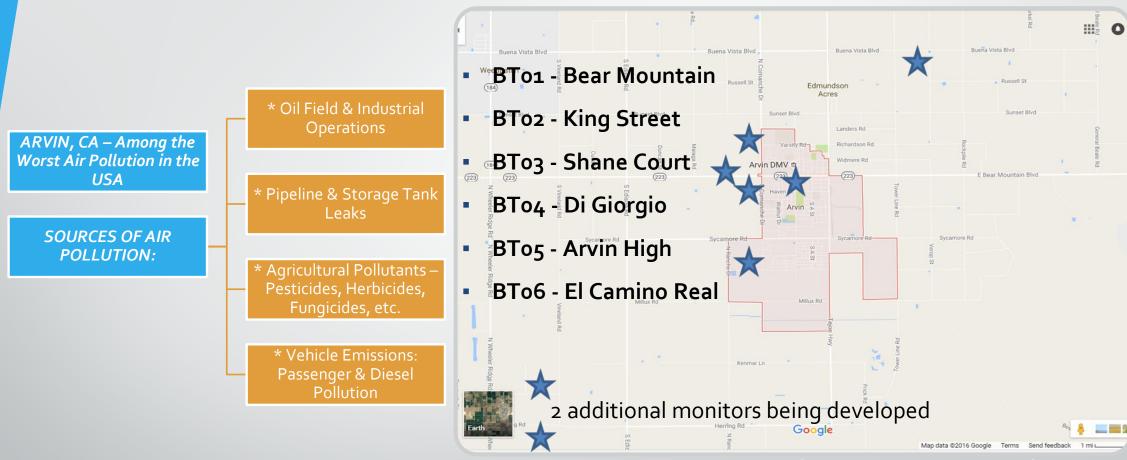
Kern County:

- Is located in the Southern end of the San Joaquin Valley
- The county's economy is heavily linked to agriculture and to petroleum extraction
- Suffers from poor air quality. The Southern SJV area is one of the most polluted basin in the US
- Bakersfield ranks first for PM2.5 *next to LA & Fresno
- and second for ozone *next to LA & Fresno

CCEJN Background



Arvin Air Quality Project.



Source: http://www.arvinairquality.com/

Source: http://bakersfieldnow.com/news/local/state-fines-bakersfield-company-75k-for-gas-leak-that displaced-arvin-families; http://www.cdpr.ca.gov/docs/emon/airinit/op_recommendation_final.pdf; http://www.cdpr.ca.gov/docs/emon/airinit/op_recommendation_final.pdf; http://www.lung.org/local-company-75k-for-gas-leak-that content/california/documents/state-of-the-air/2017/sota-2017 http://www.lung.org/local-company-75k-for-gas-leak-that

Partners in Action:

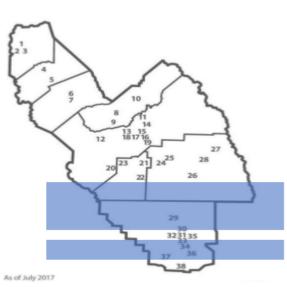
Using the lens of
 Environmental Justice &
 through a collaborative
 approach to community
 empowerment, these partners
 came together to bring
 resource to the community to
 shed light on the needs of
 regulatory gaps at the
 community level.

 This was not a Top Down approach for community participation but rather a true grassroots community led effort.

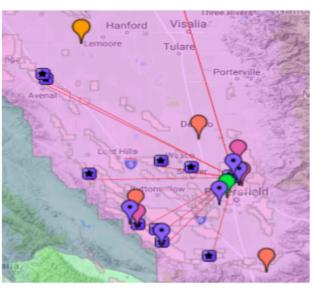


PM2.5 Monitoring Needs in the San Joaquin Valley

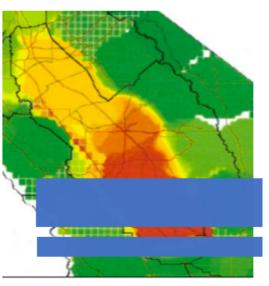
Why Community Science & Air Monitoring



Blue boxes represent areas where there are no PM2.5 monitors Source of underlying map: SJVUAPCD Draft 2017 Air Monitoring Network Plan



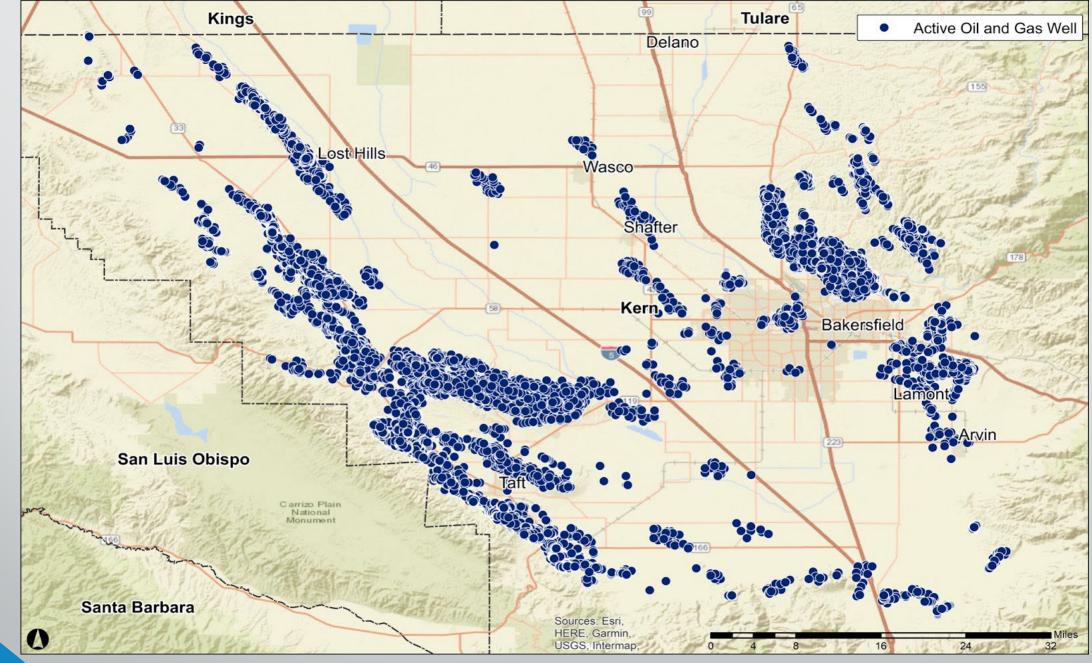
Largest stationary sources of PM2.5 pollution (purple markers represent oil and gas facilities) Source: CARB Pollution Mapping Tool (ver 1.1)



Map of highest concentrations of PM2.5 Source of underlying map: CARB Workshop, Meeting PM2.5 Standards in the San Joaquin Valley, Fresno, California, December 1, 2016



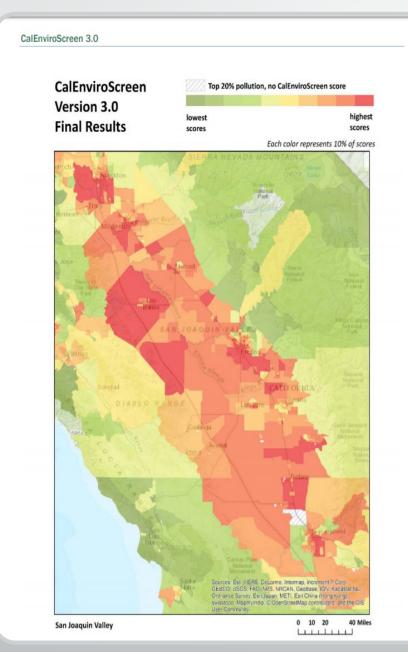
Location of PM2.5 Monitors Sources: SJVUAPCD Draft 2017 Air Monitoring Network Plan and Google Maps



• Source: Custom map made by Tracking California TEAM

Community Perspectives

Who represents us?





www.valleyair.org









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"At the end of the day, people and communities need to take back the science. Can we really trust special interest to model or forecast our air quality? We know government knows our air quality, we know the polluters know the pollution, we know the researchers know the science- the only ones left out are the people being affected by the actual pollution. We need to decolonize and democratize data and science in communities most effected. That is why community air monitoring is so important.

• After passing a 300ft setback in Arvin, CA using local data from air sensors.

-South Kern Community member

Source: https://ccejn.wordpress.com/

Questions or Comments?

Lired of Greathing

Thank you.

CITY HALL

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POLICE

Protect Arvin

Childre