

Meeting Notes

Study of Neighborhood Air near Petroleum Sources (SNAPS)

SNAPS } ANALYTICAL PROCESS - SOP } P91
 Community Concerns

How monitoring will occur
 How data will be made available
 Where were going
 how it works w/ 617
 Correlation between local monitoring & Regional - both together?

ID phase - Interest in what constitutes high well density.
 Did you look @ underground storage - why not?
 how to recognize other pollutants near oil & well facilities
 AB258 - will that be part of this program
 Downwind & windrose - Shafter & Taft as example

be careful of using this as criteria
 time frame of odor reports & public comments
 Flaring associated w/ oil & gas should be factor in selection process
 Asian doesn't have reports from District of Oil & Gas, why?
 Better outreach to Communities on how to report complaints
 Are we accepting only recommendations from residents or data too?
 Is information use to make "hotspots" more granular or identify hotspots?
 Will real time data account for source apportionment?
 not doing so is releasing data out of context.
 what kind of outreach have you done.

Study of Neighborhood Air near Petroleum Sources (SNAPS)

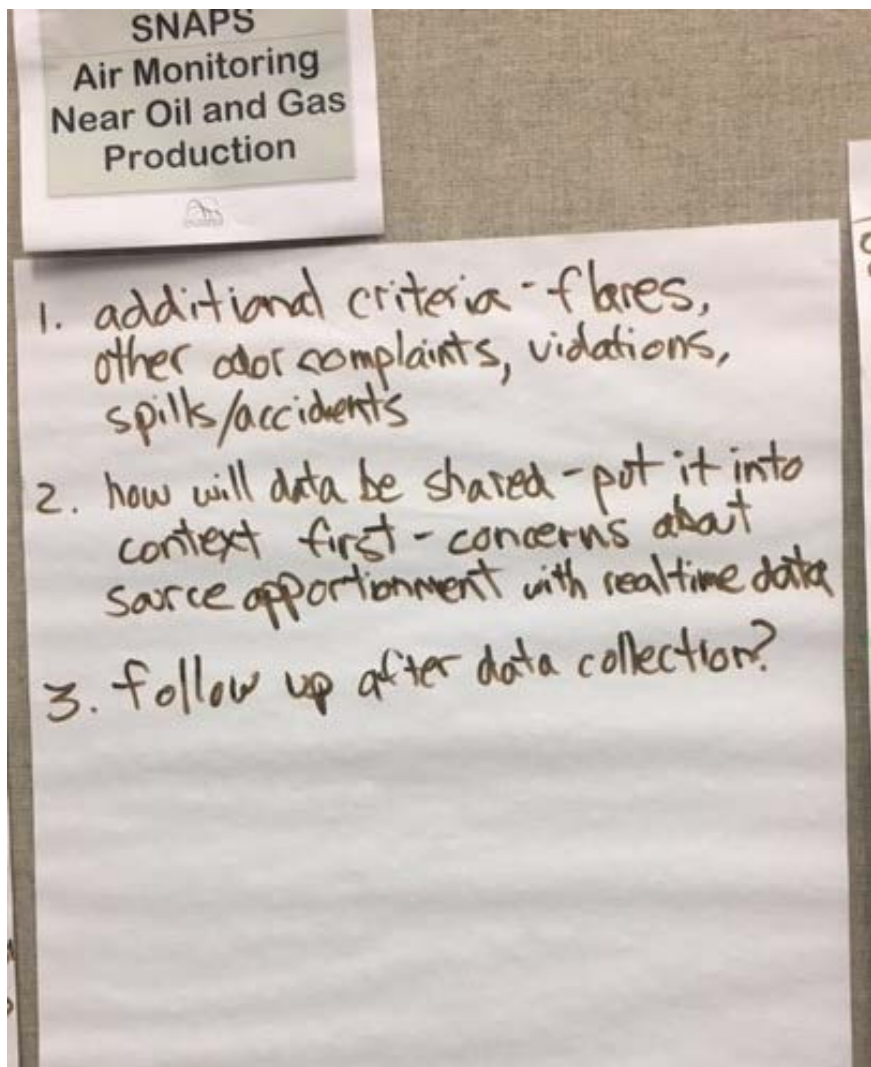
SNAPS | How can you site one monitor w/out a control? | PAGE 2

O&G.
 Moving target related to fluctuations in production due to markets - any historical correlation?

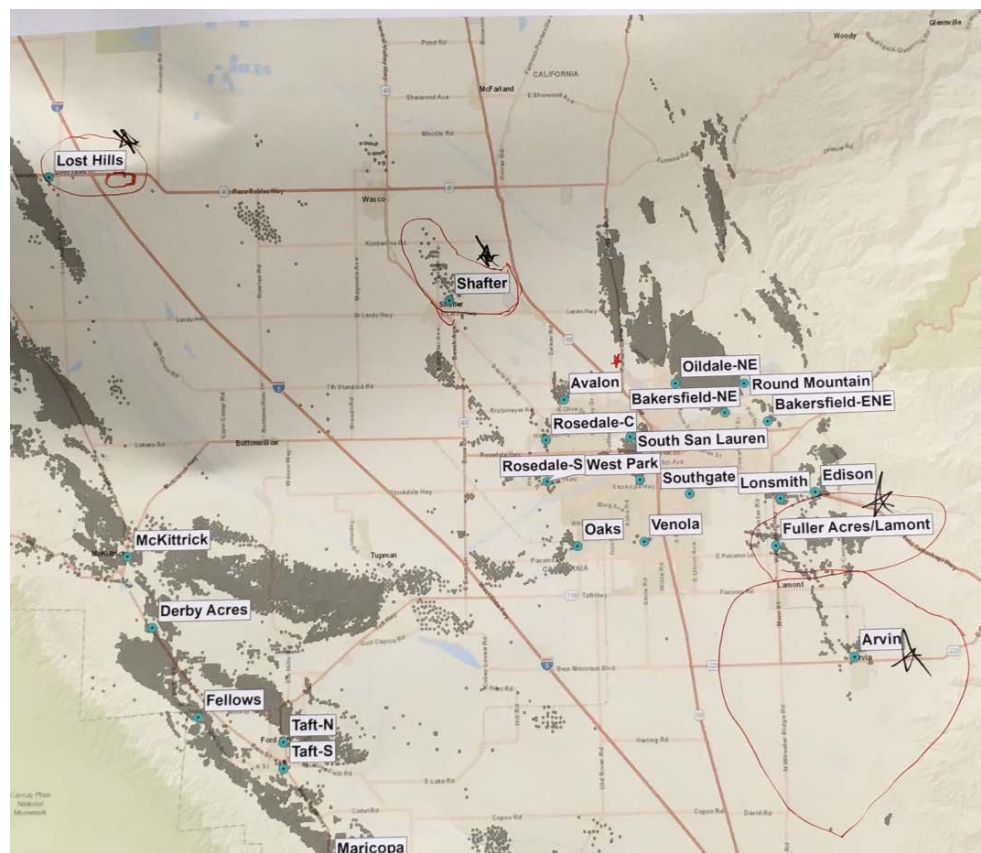
- what needs measuring
- Criteria for list *
- have to see if you're really going to help us.
- want to find out who's contaminating our community
- how will SNAPS feed into other programs - outcomes
- how can replicate study without delays.
- New well in Center of Shafter.
- where are we in the process.
- Shafter has - "Community for a Better Shafter" supported by CRPE
 ↳ listed as not having a non-profit on criteria list
- Fines, violations, accidents - are these considered in addition to odor reports.
- Lamont has refinery in addition to O&G ops - would like to be considered
- Is SNAPS designed to reduce pollution or just monitor?
- Lost kills - odors, CH₄, gas, headaches

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Meeting Notes

Community Identification and Selection

① How to Select.
What should we consider?

- Environmental Racism - historic dispropor... burdens
- Other CES 30 indicators.
 - Linguistic isolation/poverty/health
 - Water Contamination Education issues
- * Community Experts - Recommendations are valuable

- Why only 10?
- 1st yr lessons & timeline
- Regional diversity / Source diversity (pilots)

- Communities with most need/pollution

Community Identification and Selection

② How to decide
2 Em. Red or Monitoring

- Lamont/Arvin ^{lost hills} has enough data to start reducing pollution
 - Known sources (Dairies/fung/oil) Ag
- Make sure action taken benefits health in community

SJV Rec.
Should include additional monitoring not where monitors are already located.

Meeting Notes

BAKERSFIELD

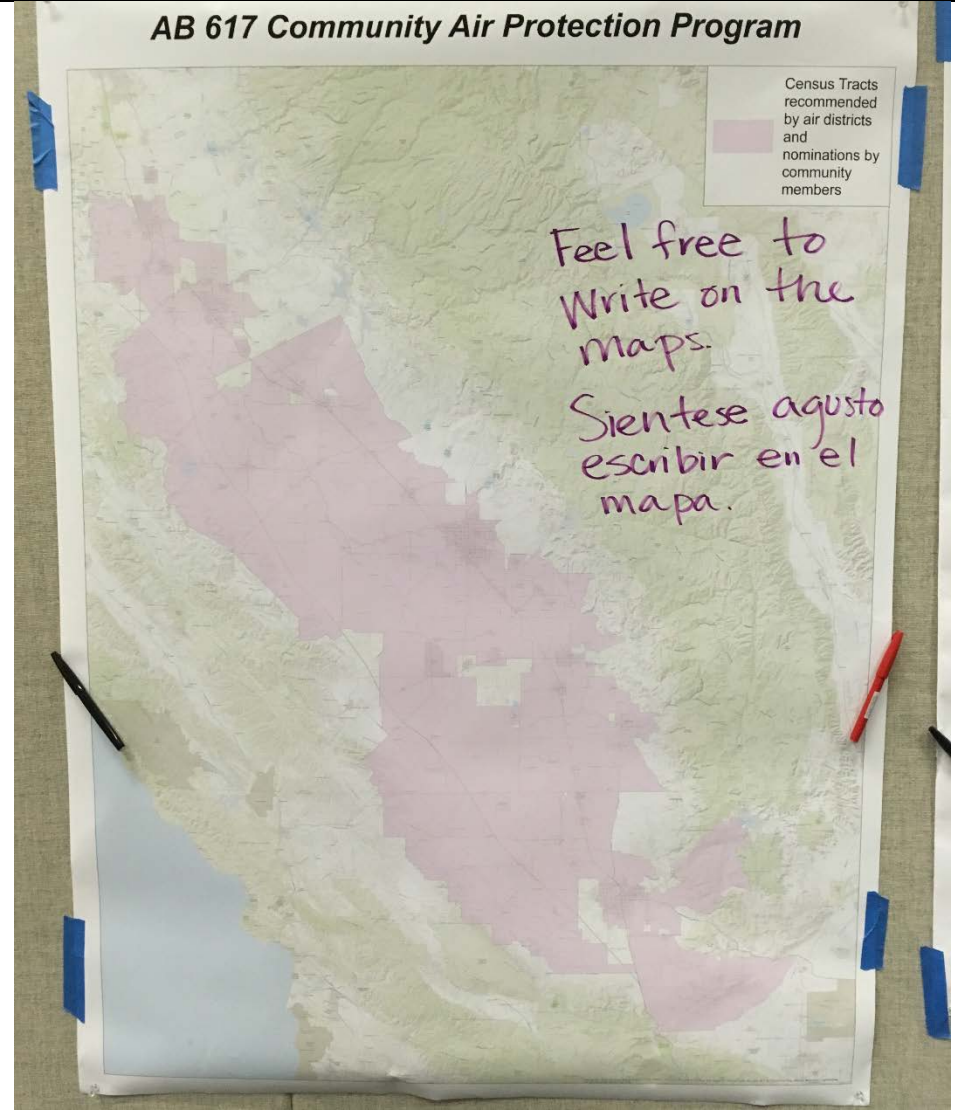
Community Identification and Selection

④ Making sure data
3 is available.
Source apportionment
- To inform appropriate
action
- Community Steering Committee
- Em. Red. Prog.

Process

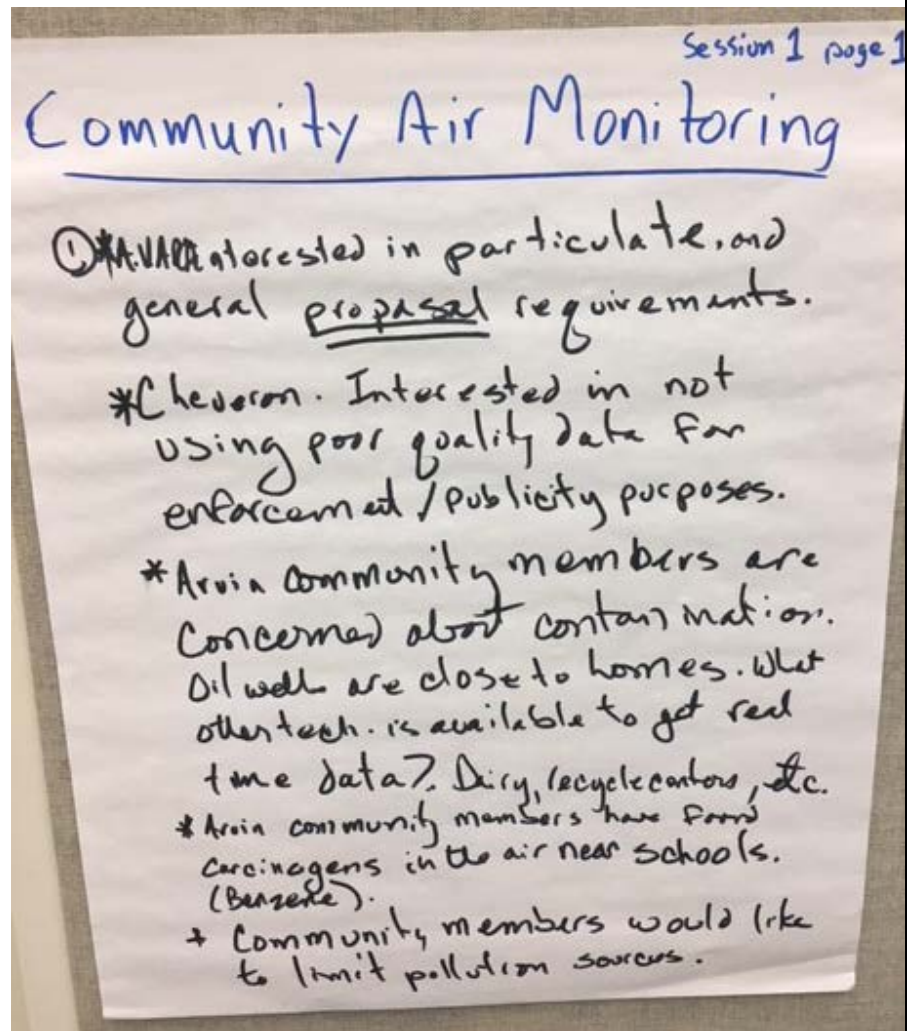
Funding -

District considerations
re: actions to Reduce Emissions

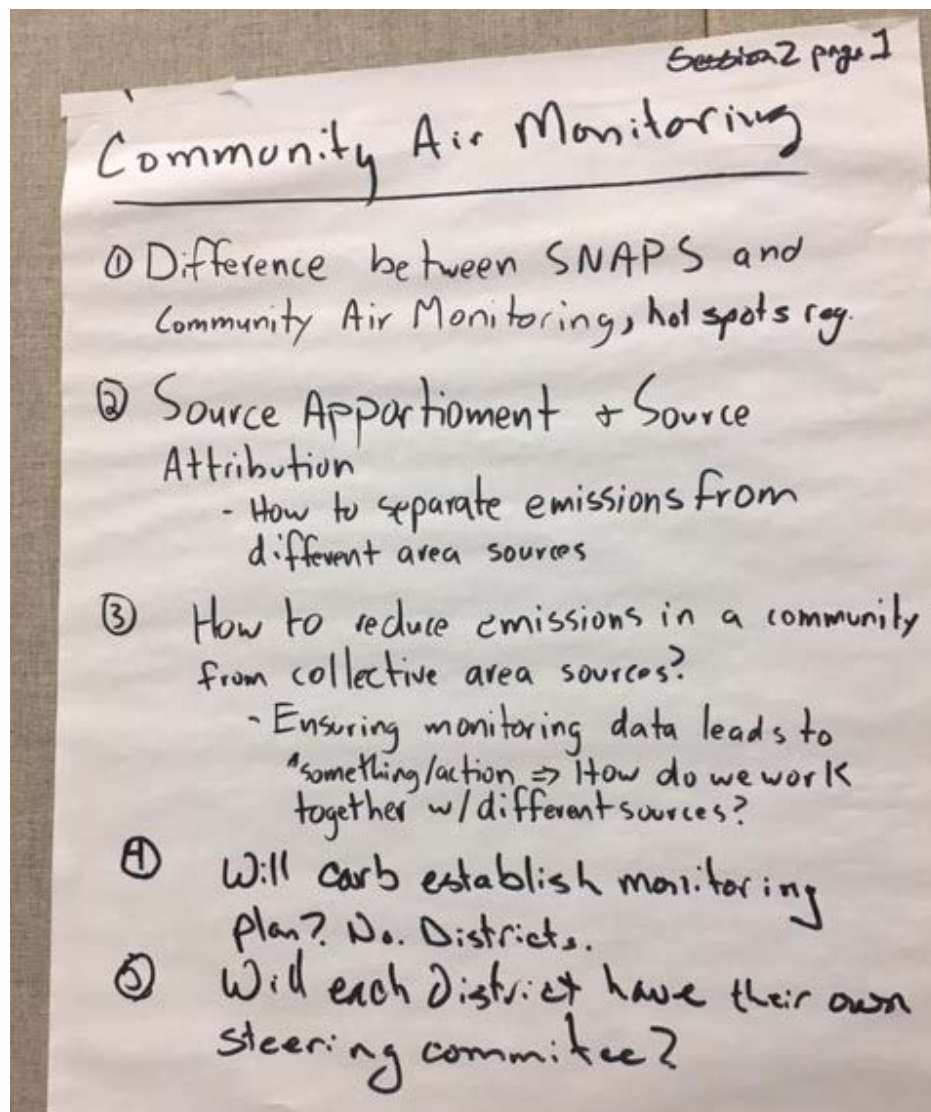


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Community Air Monitoring



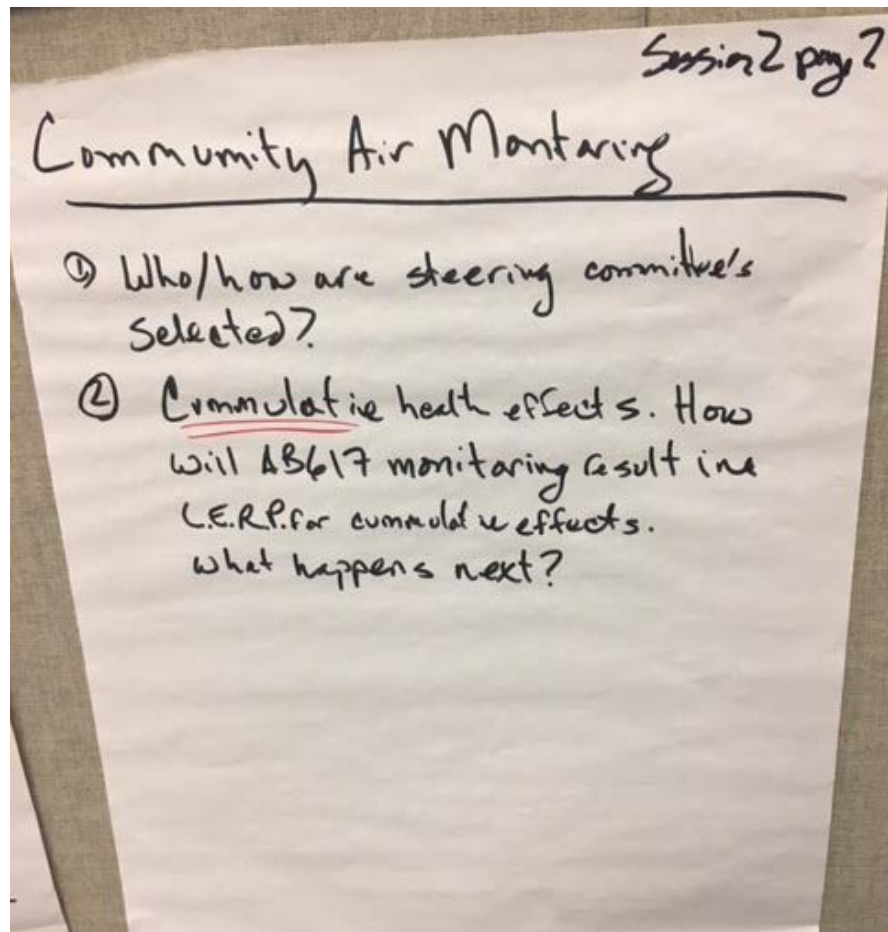
Community Air Monitoring



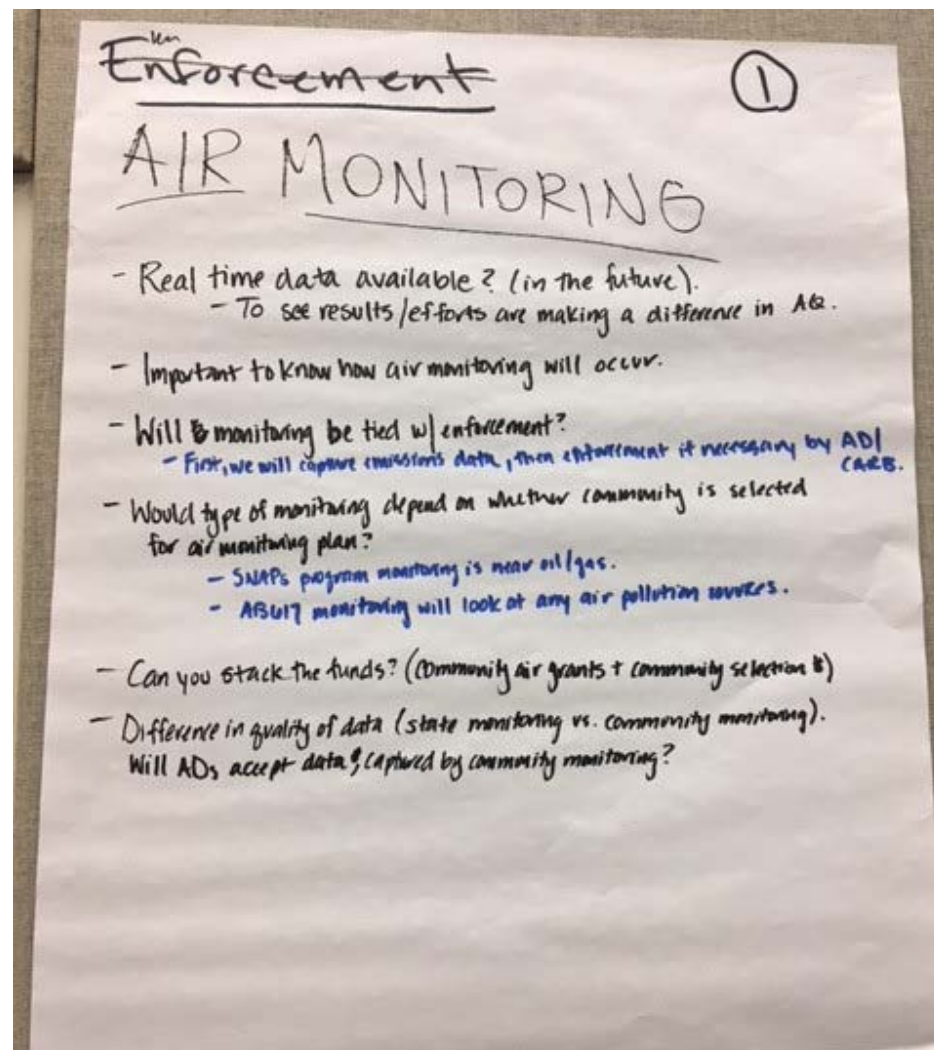
Meeting Notes

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Community Air Monitoring



Air Monitoring and Enforcement



Meeting Notes

Community Emissions Reduction Programs

Community Emissions Reduction Programs ①

- What are the programs offered under AB 617?
 - Comm. emissions reduction programs? air monitoring campaigns.
- In SSV, focus on non attainment status first.
- Look @ emissions reductions per dollar, cost effectiveness. (schools buses)
- Statewide strategies for immediate actions should be included.
 - CCST recommendations to:
 - * develop controls for leaks (fugitive emissions)
 - * Control of emissions from production wells
- SJV currently has programs for emission reductions (ie: Carl Meyer)
 - Electric, zero emission programs.
- Only way to clean air is to stop any form of combustion. Electric is the future.
 - Clean air improvements are very slow currently.
 - Methane farms. Should pay price for their pollution.
 - ↳ not effective in capturing emissions.
 - Electrification is a huge project. Will take time.
- Difficult to collect data in communities w/o technical expertise.
 - Facility data should be made public (when facilities are monitoring and do have data available). Real time data, that cannot be changed.
- Emissions reduction credits currently outdated. Are these going to be revised? (Cap and Trade) AND Air District credits also.

Community Emissions Reduction Programs

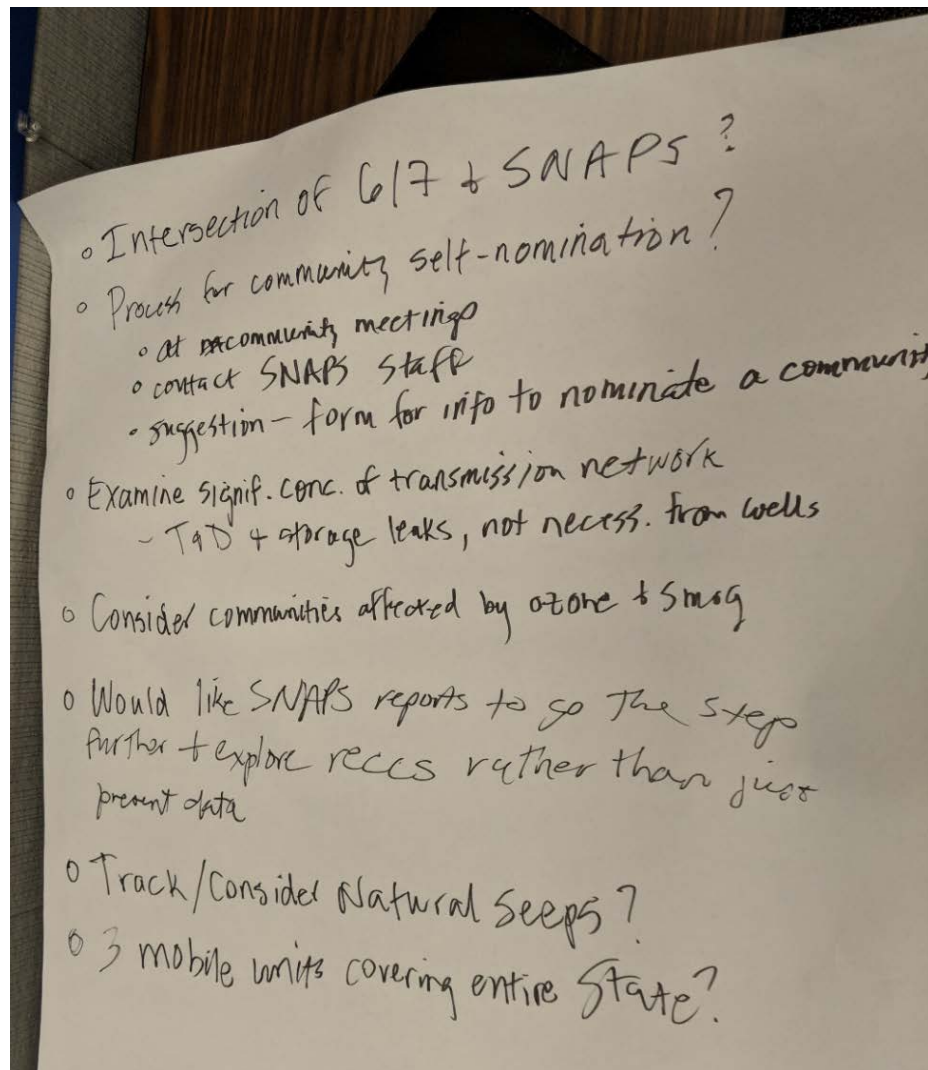
Community Emissions Reduction Programs ②

- ① Cost effective ^{emission} reductions.
 - ② Electric is the future.
 - ③ Data Transparency
- } TOP 3

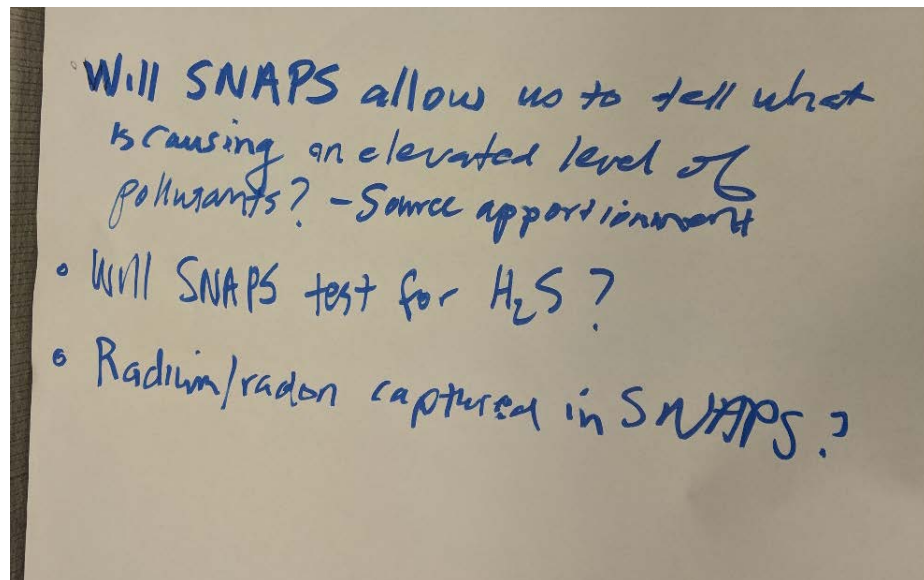
Meeting Notes

FRESNO

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Meeting Notes

Community Identification and Selection

Why are we here? ^{Fresno 6/19}
¿Por qué estamos aquí?
- Air Pollution (Contaminación de aire)
- Asthma
- Learn about communities
(Aprender sobre las comunidades) ^{locales y rurales}
- Too many cows, chickens, ^{agricultura}
- Public health ^{wellness} & wells ^{sewage & dairy} problems
Salud pública
CIA

Community Identification and Selection

Metrics (Datos) ^{Fresno 6/19}
- Cal Enviro Screen? ^A Yes
+ Modeling ^{Q&A} + Your knowledge (other data sets)
- Small communities don't have enough public health data
- Impacted by highways, dairies & pesticides
- How do we fill in this knowledge gap?
- How are comm suggestions being addressed?
+ They have been added to help narrow suggestions
- Other Spec. Sources? No
CIA

Meeting Notes

Community Identification and Selection

Fresno 6/19

What CARB is planning
 → Your thoughts
 Sus opiniones

Interaction

- We want to be selected! (Queremos ser seleccionados)
- Health problems! (allergies, asthma, etc.) (Salud pública)
- Smells - Identify sources (Olores - Identificar fuentes)

② Zoning & land use (esp. in residential areas)

- What types of distribution/representation are you looking for?
- + Geographic (rural, urban)
- + By district
- + types of sources
- + transferability
- + maximize learning

CL3

Community Identification and Selection

Fresno 6/19

① Small rural community
 Data
 Datos sobre las comunidades pequeñas y rurales

② Types of Data
 - qualitative
 - pesticides
 - Public health
 - Ag & Dairy

Tipos de datos
 - pesticides - cualitativo
 - Salud pública - Agricultura y lechería

③ Zoning & Land Use Data
 Integrated Planning Approach
 Datos sobre (Air + Land Use)
 Zonas y el uso de tierra
 - Estrategia de planificación integrada (aire y uso de tierra)

CL4

Meeting Notes

Community Identification and Selection

Fresno 1/19

⊕ Local impacts underrepresented by regional data + incorporation

- monitoring violations - complaints

Los impactos locales no son representados por los datos regionales y como incorporar los datos

- Las violaciones detectadas por el monitoreo
- quejas

C15

Community Identification and Selection

Second Sub!

- During Y1, ~~at~~ 10 picked, but will you make a subsequent master list?
Yes.
- Selection: monitoring, reduction programs or both?
 - All 3 combos + monitoring to lead to programs

+ air violation reports included in comm-concerns

how do we include this?

- work w/ comm-groups
- more qualitative data

C16

Meeting Notes

Community Emissions Reduction Programs

6/19
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COMMUNITY EMISSIONS REDUCTION PROGRAMS

- ▶ STEERING COMMITTEE MAKE-UP
 - + WHO; DECISION AUTHORITY / VOTING POWER
 - ACCESS TO DATA (GOOD EXAMPLE)
 - COMMUNITY-LED + REPORT BACK
 - + INCLUSIVE OF CITY/COUNTY (connecting agencies)
- ▶ ACCESS TO DATA - esp. enforcement-related
 - INFORM DECISION-MAKING (ex: PRIOR TO PERMITTING)
 - REAL TIME DATA
 - VARIANCES
 - TECH CLEARINGHOUSE (NOT JUST DATA; ANALYSIS TOO)
- ▶ LOOK AT BIG PICTURE
 - CAN'T REDUCE EMISSIONS IN ONE PLACE THAT INCREASES EMISSIONS IN ANOTHER
- ▶ REASONABLE TIMEFRAME TO ACHIEVE REDUCTIONS
 - NOT TOO LONG

①

Community Emissions Reduction Programs

6/19
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COMMUNITY EMISSIONS REDUCTION PROGRAMS

- ▷ SOURCES
 - BIOMASS FACILITIES
 - DIESEL TRUCKS + DISTRIBUTION CENTERS
 - CAN YOU DO REMOTE SENSING?
 - GLASS PLANT
- ▷ ENFORCEMENT IN THE PROGRAM
 - STRATEGIES HAVE TEETH!
 - LOCAL AUTHORITY ISSUE
- ▷ MEANINGFUL ACTION + REQUIREMENTS
 - Especially w/ LAND USE

⇒

②

Meeting Notes

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Community Emissions Reduction Programs

COMMUNITY EMISSIONS REDUCTION PROGRAMS

6/19
FRESNO

OTHER

▷ MONITORING

- pesticides - involve DPR?
- fugitive dust
- stationary and mobile methods

▷ AVOID BARRIERS, WHERE POSSIBLE
(Freeway/Road)

▷ FUNDING OPPORTUNITIES
• bank involvement for community investment

▷ ALL POPULATIONS' EXPOSURE CONSIDERED (ex: homeless population)
SOCIOECONOMIC

③

Community Air Monitoring

CVAC - Heard about this mtg.

Putting fence line monitor at Bio-Mass Facility (PM_{2.5} + ozone, + criteria pollutants)

Rio Bravo near Malaga + at Schools nearby

① Calwa near glass factory, Freeway, Freight Trains
Dairies

② Concerned about people who develop asthma in the Central Valley Basin (mostly children)

③ Need for real-time air pollution data

High PM_{2.5} 90s + at Sakersfield Locations China Grade @ Monte Cristo North @ Betty freeway
ug/m³

Suggest monitoring for More than 4 months - 6 months min.

Meeting Notes

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Community Air Monitoring

pollutants ^{monitoring} near agriculture, poultry, Dairies
 chemical
 And odors

- We suffer asthma + Allergies
- Indoor odors, issues that cause sickness sick building
- ~~Had~~ inside house inspected but still have allergies — must be outside air problem
- Control emissions via Enforcement (illegal burning,

[Fresno Municipal Ministry] - grant received to do monitoring.

— we want actions taken by agriculture, Dairies, factories [Lanare ^{near Riverdale}]

- arial pesticide spraying control (Fresno + Kings county)

Community Air Monitoring

① Measure ^{at communities of interest} ~~pollutants~~ near Malaga, Calwa, Lanare

Sources of interest: Bio-mass facilities, Dairies, agriculture, illegal burning

② Want ^{to} know actions taken by enforcement

③ Need real-time data

④ Concerned about asthma + Allergies (especially in child population)

Meeting Notes

Enforcement

Fresno 6/19/18

What services does
② Enforcement offer / what is
the process?
Are complaints tracked?
How can community work w/ EO?
Better information about current programs?
Idling / Smoking trucks
③ Follow up to complaints -> call back?
① Education + Outreach component of EO.
High noncompliance rep (SIP 2017 statistics)
Multi-family adjacent to freeway
w/ Collaboration w/ DMV for enforcement

Enforcement

Enforcement Fresno 6/19/18

Woodsmoke enforcement/Education
Why can't AD identify houses
burning during non burning days.
Educate on wood burning rule
Enforcement policies/procedures are outdated.
Violations need to be able to be
reported/documented by public
Quicker response from inspectors
How
Inspectors as problem solvers
Ban burning through winter in
urban areas.
Transparency in enforcement process
and in variances -> post into ~~public~~

Meeting Notes

All topics

Geographic Equity

- HOW WERE NOMINATIONS RECEIVED
- DISAPPOINTED IN DISTRICT NOMINATIONS
- SNAPS TARGET DATES
- OTHER PROGRAMS / AIR GRANTS BESIDES 617/SNAPS?
- ISSUE: SCHOOLS CLOSE TO STOCKTON PORT INDUSTRIAL AREA / I-5 / SHIPS TRUCKS
- CRITERIA FOR SCORING?
 - COMMUNITIES w/out large network of orgs.
 - ~~KNOW ABOUT~~ COMMUNITIES THAT NEED
 - CAPACITY-BUILDING SUPPORT + SUPPORT FOR SUSTAINING ITSELF

All topics

- MONITORING PROTOCOL PUBLICALLY AVAIL.
- SITE SELECTION
- TRAILER AVAILABILITY (SNAPS MONITORING)
- SNAPS : AB 617 COMMUNITY OVERLAP → TO WORK TOWARD ~~BETTER~~ SPREADING RESOURCES AMONG ^{MORE} COMMUNITIES
- DATA COLLECTION - DIFFERENCES BETWEEN SNAPS : AB 617
- HOW WERE COMMUNITY GROUPS IDENTIFIED
- HOW WERE SNAPS AREAS DIVIDED INTO REGIONS
 - HEAVILY FOCUSED ON SOUTHERN CA
 - LEVEL FOOTING FOR NORTHERN REGION

CONCERN