

Meeting Notes

**RICHMOND**

Study of Neighborhood Air near Petroleum Sources (SNAPS)

SNAPS - Richmond 7-9-2018 p.1

- How does the SNAPS community selection table differ from AB 617s
- Refineries have resulted in emergency room visits near Valejo
- Does SNAPS have a set number of communities to monitor?
- Is SNAPS only looking at well emissions, or also trucks & other sources used in production?
- How can you tell where emissions are coming from based on air sampling?
- "Production" may be confusing term for community members.
- What sensors are in the trailers and how long will they stay in each community?
- Are you collecting data from Leak Detection & Repair (LDAR)?
- What is the timeframe for implementation?
- How will data be handled and reported? Available on web?

Study of Neighborhood Air near Petroleum Sources (SNAPS)

SNAPS - Richmond 7-9-2018 p.2

- Are you looking at ~~at~~ ambient concentrations, measuring emissions, or both?
- Will monitoring and source apportionment protocols be published?
- Are the selection indicators weighted? Why not?
- CES score doesn't tell whole story. For example Arvin is not top 25%, but has high pollution burden.
- How will OEHHA analyze the data?
- Will there be a public review of the risk assessments?
- Recommendation for peer and/or public review ~~to~~ of data interpretation.
- What actions could be taken based on the data?
- SNAPS data should be incorporated in 617.

Meeting Notes

Community Identification and Selection

1-1

COMMUNITY IDENTIFICATION & SELECTION

- Interest in Steering Committee participation
- Variation in self-nomination process
- What about communities that don't have organized groups to promote selection?
- Airwatch Bay Area → well-designed webpage
- Metrics for selection: Include extreme events (oil spills, uncontrolled releases)
- What about communities downwind from sources, w/o current monitoring?

Community Identification and Selection

1-2

Community Identification & Selection

- How involved will CARB be in community monitoring (US Air districts)
- Industry currently required to report & prepare for extreme events: industrial safety going statewide → chemical factories
- Facilities go through "process safety" procedures to reduce fugitive leaks / emissions.
- fence-line.org → fence-line monitoring by facilities - Marathon & Phillips
- Shoreline region is Bay Point; San Pablo (high cancer rates)



Meeting Notes

Community Identification and Selection

Comm ID + Selection 1-3

- Main goal is improving community health
- CARB & Air Districts employ effective community outreach
- Make community nomination process more accessible
- Cumulative exposure due to multiple pollutants
- More granular data for evaluation  
Zipcode?

Community Identification and Selection

Community Identification 2-1

- What was genesis of AB 617  
West Oakland - CERP  
Richmond → monitoring Plan
- July 23rd BAAGMD Meeting
  - Rodeo should be priority community
  - Vulnerable communities + ↑ pollution
    - First year communities (BAAGMD approach)
  - East Oakland should be a priority community
  - Geographic boundaries not set
  - SB 1000 implementation
    - EJ component for general plan



Meeting Notes

Community Identification and Selection

Community Identification 2-2

- Clean Air Grants: Build capacity
  - Not restricted to selected communities
- Community self-nominating process
  - What is the mechanism?
- Nuisance Reporting, City of Richmond
  - example of submittal system
- Other mitigation strategies?
  - vegetative barriers, filtration
  - can be included in CERP
- How many communities selected each year?
- How long will emission reduction plans last?

Community Identification and Selection

Community Identification 2-3

- CERPs will be community-specific
- How do we engage schools
  - community partners
  - Youth groups
  - PTA meetings
  - After school programs
  - Get out into communities to build trust
- Grandwork USA: post industrial / post military
  - "Re-traumatization"
  - Involve community → pay for community involvement in monitoring / data collection
- Connect Air Pollution to other activities + community improvement efforts



Meeting Notes

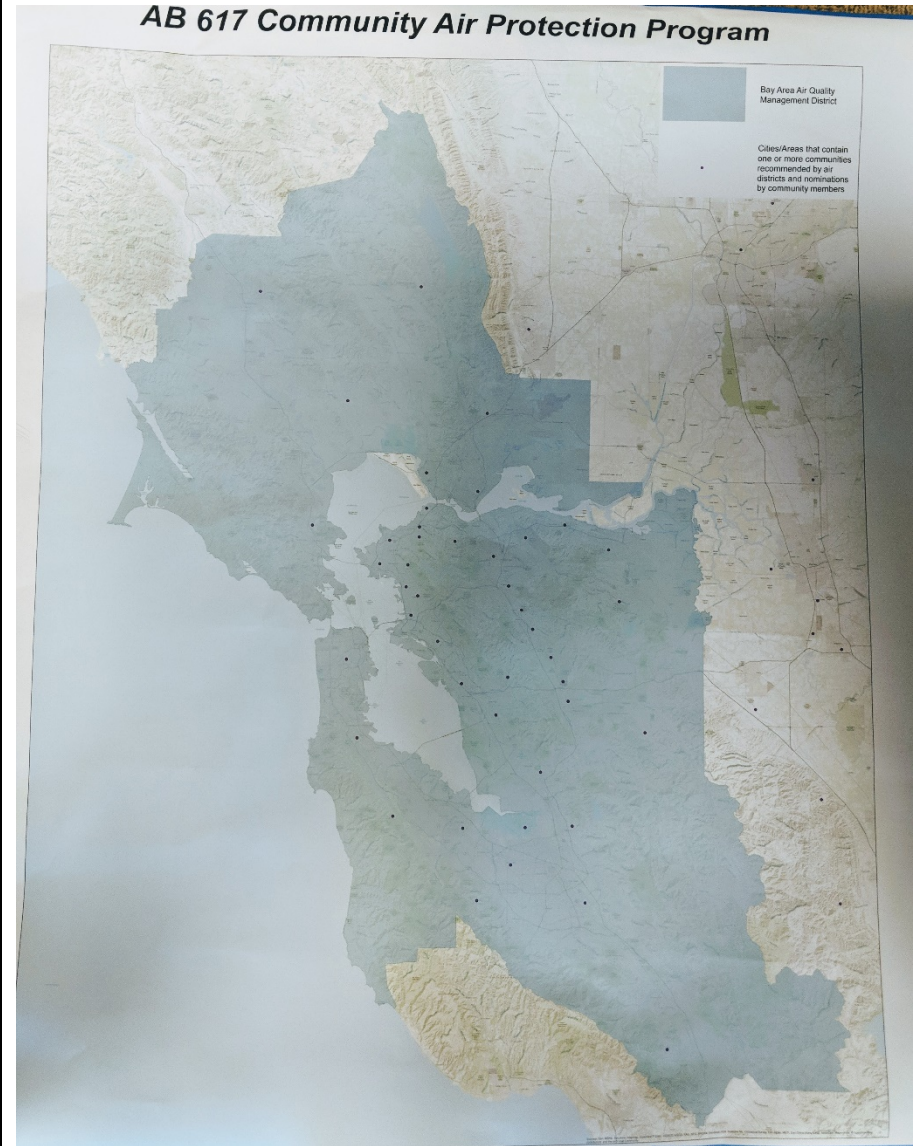
Community Identification and Selection

Community Identification 2-4

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- Build report through community events

Bay Area map of recommended/nominated communities





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Community Air Monitoring

Community Air Monitoring

COMMUNITY AIR MONITORING <sup>PAGE ①</sup>  
SESSION #1

FUNDING SOURCES & AMTS. <sup>CAM. SESSION #1</sup> <sup>PAGE ②</sup>

TECHNOLOGY APPLICATIONS  
CORP. - CONTROLLING OF DATA  
COAL STORAGE

MANUFACTURER INVOLVEMENT  
CALTRANS?

- PM MONITORING  
o DETECTION LIMITS  
JOBS / TRAINING YOUTH

SITE SELECTION  
- PARAMETERS

HEALTH IMPACTS - MITIGATION EFFORTS  
EXPECTATIONS

- IMPACTS OF FREEWAYS - COMMUNITY SAFETY
- AIR COORDINATION / STEERING COMMITTEES
- DATA ANALYSIS / COMPARISON
- SOURCE APPROPRIATENESS
- AVAILABILITY OF DATA / METHODS  
o RAW DATA(?)

MONITORING SITE SELECTION

EDUCATION MEETINGS / WORKSHOPS (OVERVIEW OF PROGRAM)

BASICS (101)  
- PM

COMMUNITY - PROGRESS UPDATES  
- NOTIFICATIONS

STANDARDIZED MONITORING(?)  
WHAT DOES DATA MEAN & ACTIONS  
TRANSPARENCY & INCLUSION

ENGAGEMENT  
FUNDING TRANSPARENCY

INCLUDING EXISTING STUDIES

C.E.S. CAL ENVIRON SCREEN CORRELATION



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Community Air Monitoring

INTERESTS / CONCERNS :  
BENEFIT MONITORING?

EVENT MONITORING DUSTTRAK 8534  
- INSTRUMENTATION / METHODS  
EXPAND MONITORING (BEYOND PM)  
-> VOCs

DATA VALIDATION

\* LOW COST SENSORS VS MID VS HIGH COST  
- DATA COMPARISON - VALUE OF LOW COST SENSOR DATA  
- QA/QC  
IMPACTS OF REFINERIES ON NEIGHBORING COMMUNITIES

\* AIR POLLUTION BASICS  
MODELS VS. ACTUAL  
ROLES OF INTEREST GROUPS  
COAL / PM

QUALIFICATIONS OF SITE OPERATORS

COMMUNITY  
AIR MONITORING PAGE 1  
SESSION #2

Community Air Monitoring

EXPECTATIONS

- REAL TIME DATA
- \* - TRANSPARENCY \*
- HISTORICAL DATA
- CENTRALIZED REPOSITORY
  - STATEWIDE INTEGRATION
- DATA ANALYSIS & HEALTH IMPACTS
- \* - INCREASED DATA AVAILABILITY
  - o WHAT IT MEANS / HEALTH IMPACTS \*
  - o HOW TO USE DATA
- \* - REAL TIME DATA
  - o RAW DATA
  - o NOTIFICATIONS OF HIGH LEVELS
    - PUSH NOTIFICATIONS
- SOURCE APPORTIONMENT

COMMUNITY PAGE 2  
AIR MONITORING  
SESSION #2



## Meeting Notes

## Enforcement

EnforcementSession 1  
Page 1

- ① What are enforcement actions on local sources? → Chevron / Sims Metal
- ② How can community operated monitors/sensors/ be used for enforcement? → or other qualitative information  
→ e.g. smoking trucks, license plates
- ③ Concerns over any enforcement against refineries ⇒ pathways + actions
  - Desire for more objective measures than smells
  - Looking for State/District leadership in taking action
  - Provide Pathways for enforcement

## Enforcement

EnforcementSession 1  
Page 2

- ④ Are enforcement actions city/county/state wide?
- ⑤ How is AB 617 different than past programs?
- ⑥ What happens to the selected communities after initial 1-2 years?
- ⑦ Will air transport (pollutant transfer) be considered?
  - Pollution transfer from other areas
- ⑧ Will CARB be able to alter vehicle (truck) traffic to mitigate pollution?
- ⑨ What is the relationship between CARB + District Enforcement?
- ⑩ How will we handle "legacy" sources? Will current entities shoulder responsibility of past pollution?
- ⑪ How will DTSC be involved?

## Meeting Notes

Enforcement

EnforcementSession 2  
Page 1

- ① Is AB 617 enforcement involved in lawsuits/legal action?
- ② What is the framework of AB 617 enforcement?
- ③ What has prevented CARB from enforcement at the community level in the past?
- ④ Refineries + community members should be involved in actions.
- ⑤ Will AB 617 change the way regulations are enforced?  
→ Includes changes in coordination b/w CARB + local air districts
- ⑥ Will there be a transparent communication of past/current/pending enforcement actions?  
→ Possibly in the form of an interactive map  
→ Any enforcement info. made publicly available

Enforcement

EnforcementSession 2  
Page 2

- ⑦ How will monitoring data be used in enforcement actions? <sup>How much data is needed?</sup>
- ⑧ Is there a plan in place for AB 617 enforcement?
- ⑨ Can we use existing monitoring data be used for enforcement action?
- ⑩ What is the enforcement process once data identifies a concern?
- ⑪ Will funds generated from infractions/settlements be reinvested into that community?



Meeting Notes

Community Emissions Reduction Programs

# Community Emissions Reduction Programs RI

① We need specific plans for emissions reduction  
*concern* + (NOT IN BLUEPRINT)

CARB commitment to put them in place.  
**MOST IMPORTANT**

② Monitoring needs to be near pollutants  
*concern*

③ Community has been monitoring within communities & near polluters  
*Point*

④ Exposed coal (during shipment)  
*concern* CEREP 1

Community Emissions Reduction Programs

⑤ When will we see emissions reductions at refineries?

A - District is starting now - their BP is up.  
- First round of refinery rules next year (12 mo. process)  
- tanks &  
- monitoring & reductions in parallel.

⑥ When discussing technical aspects, focus on language accessibility

*concern point*  
- multiple languages  
- understandable language - NOT "chum head down"  
CEREP 2

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Community Emissions Reduction Programs

⑦ How are the monitoring & reduction programs being implemented? What roles do CARB & the District have?

- Working together in our jurisdiction
- Steering committees
- Community members

suggestion

- Connect w/ Richmond neighborhood Councils

⑧ Be transparent.

- suggestion - Show data - Show process
- Make it simple

⑨ We already have data, are we using it?

- First communities with substantial data already will include emissions reductions programs. CEPP 3

Community Emissions Reduction Programs

⑩ Will CARB have new authority under AB 617? Will District implement all?

- No, but for sources under CARB authority,
- A we are moving forward.
- Chrome plating, mobile sources
- ~~but~~ will CARB will

⑪ How will you CARB address auto emissions? Other than diesel regulation? Regional solutions?

- A Incentives - more flexibility now
- stationary sources & exposure reduction added.

⑫ More <sup>EV</sup> mass transit

suggestion

⑬ We want a dialogue with industry.

request industry

- We ~~can~~ are improving by doing things the
- A right way
- Electric vehicles

CEPP 4



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Community Emissions Reduction Programs

Community to Community  
Q Is <sup>air quality</sup> it getting better?  
A - Yes, but more work to do.

CFR  
5

Community Emissions Reduction Programs

Community Emissions Reduction Programs

1) Have communities been selected?

Q - Still in the process

A - We have community & districts' Happens annually recommendations

2) How does is a community defined?

Q - Depends. That is up to the community to define.

A - We are working on defining this as we go forward.

3) BARCT - Timeline? How will it be expedited?

A - Happening in parallel, not dependent on emissions reductions programs

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Community Emissions Reduction Programs

- ④ <sup>Expedited</sup> ~~BARCT~~ <sup>Draft</sup> needs to be a top priority.
  - Schedule on BAAQMD site.
- ⑤ Cancer from diesel is both mobile & stationary? who is in charge?
  - CARB ~~is~~ has authority over mobile
  - District-stationary.
- ⑥ How does the data <sup>monitoring</sup> relate to the plans? <sup>ER</sup>
  - Develop community-specific strategy <sup>(working w/ community steering committees)</sup>
- ⑦ How do we develop the strategies? <sup>How</sup>
  - With collaboration from community, community steering committees, Districts & CARB
- ⑧ Do it in parallel! (In places that already <sup>exists</sup>) <sup>CARB-2</sup>

Community Emissions Reduction Programs

- ⑨ Are Is CARB working with auto Q makers?
  - CARB is pushing EPA for stricter regulations
  - Some new regulations are being implemented
- ⑩ O&G will have to raise prices - regulation <sup>comment</sup> needs to be reasonable to allow for technologies to catch up.
- ⑪ Coal - travels uncovered from Utah? - but this <sup>comment</sup> is a federally regulated - how can CARB help if coal monitored is a problem? <sup>\* Need to follow up</sup>
  - Storing in open spaces ~~help~~ in port.
  - <sup>District</sup> We are working on improving source apportionment.
- ⑫ Do CARB & District work together? <sup>CARB2</sup>
  - Sometimes Depending on project



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Community Emissions Reduction Programs

TOP POINTS

- ① Coal & Refineries
  - - Strict regulations & commitment from CARB
- ② SPECIFIC MEASURES and not waiting
- ③ Expedited BARCT
- ④ Accessible language
- ⑤ Use the monitoring data (existing + new)