AGENDA
Tuesday, February 23, 2021

6:00 – 6:05pm  Welcome
6:05 – 6:15pm  Administrative Items
6:15 – 6:20pm  District Update
6:20 – 6:25pm  Community Update
   a) Valley Vision – Community Air Grant
6:25 – 6:45pm  Charter Amendment
   a) Discussion
   b) Public Comment
   c) Adoption
6:45 – 6:50pm  Co-Lead Nominations and Elections
6:50 – 7:20pm  Community Air Monitoring Data
7:20 – 7:40pm  Community Air Monitoring Plan (CAMP) Outreach Subgroup
7:40 – 7:50pm  New Business and Future Agenda Topics
7:50 – 8:00pm  Public Comments
8:00 pm  Adjourn
• Staff is available if you have technology trouble; please email AB617Clerk@airquality.org

• You can message the host or co-host if you are having technical difficulties.

• During the Steering Committee discussion period or during Public Comment period, each person who wants to speak will need to raise their virtual hand:
  • On Zoom web application – Click either Participants or Reactions, then press “Raise hand”
  • On the phone – Dial *9 to raise your virtual hand.
  • Please state your name and affiliation.

• When you are called – Please unmute yourself on the app or the phone (press *6)

• Email public comments to Clerk of the Committee at AB617Clerk@airquality.org
Administrative Items

1) Approve previous meeting notes
District Update
(5 minutes)

1. Stipends
2. Climate Justice and Jobs Summit
Climate Justice and Jobs Summit

Working with our partner agencies to address larger community needs

Collaboration between agency partners, academic institutions, employers, and community organizations

A common theme:
With a new administration, we need to have a regional conversation on equitable pipelines to climate related jobs

March 30th

Here is the landing page for the Summit:

Here is the registration link:
https://us02web.zoom.us/meeting/register/tZMtd-qoqDouEt2miPNOfMEO-gmE7OD3P3Tc
Community Updates

(5 minutes)

1. Valley Vision – Community Air Grant
Sacramento Neighborhoods Activating on Air Quality

• CARB has awarded a **two-year Community Air Grant** to a group of local nonprofit organizations - **Valley Vision, WALKSacramento, Breathe CA Sacramento Region, and Green Tech Education**.

• The work will last through March 2022, and is intended to help the Old North Sacramento/Norwood and Oak Park neighborhoods **monitor their air, understand how air quality impacts health, and develop a plan to reduce exposure to air pollution**.
We are seeking North Sac and Oak Park residents to serve on a Neighborhood Coalition to decide where to place the 20 air monitors!

Stipends of $75 per meeting are available. We want to work with residents through March 2022 to identify solutions to their air quality issues, build community power, and be able to advocate for resources to address environmental inequities.
20 Monitors Across Two Neighborhoods

The Clarity Node-S measures PM$_{2.5}$ and NO$_2$.

- Particulate Matter (PM)
- Nitrogen Dioxide (NO$_2$)
- Solar-Powered
- Co-Located at CARB facility for 4 weeks to ensure data quality

Read More: https://www.clarity.io
13-Member Project Advisory Committee (PAC)

- Air monitoring expert – District (Sac Metro Air District)
- Air monitoring expert – Independent (UC Davis Air Quality Research Center)
- Public health expert (Environmental Council of Sacramento - ECOS)
- City of Sacramento representative
- Youth representative (2)*
- Environmental justice group representative (Red, Black, and Green EJ Coalition)*
- Old North Sacramento/Norwood resident (2)*
- Oak Park resident (2)*
- Old North Sacramento/Norwood business representative (North Sacramento Community Development Corporation)
- Oak Park business representative (Capsity Oak Park)
Draft “People’s Blueprint” – Even More Good Stuff!

- Providing **Stipends/Incentives** for residents, youth, and EJ representatives - **$75 per meeting**
- Memorandum of Understanding (MOU) between project partners
- **Charter Agreements** with PAC and NCs clarifying roles
- Conducting **outreach** using materials translated into English, Spanish, Vietnamese, and Hmong
- **Online landing page** containing project information, links, video recordings, and (ultimately) monitoring data via a public portal
- Public meetings, regular updates, and transparency
Next Steps & How to Get Involved

• Share the Survey* before March 7th: https://bit.ly/SNAAQSurvey
• Read More: valleyvision.org/projects/community-air-protection/

• *Survey in English, Spanish, Vietnamese, & Hmong

adrian.rehn@valleyvision.org
(707) 813-1913
Sacramento Neighborhoods Activating on Air Quality (SNAQQ)

PROJECT BOUNDARIES

South Sacramento-Florin
AB 617 Steering Committee

Tuesday, February 23rd, 2021

adrian.rehn@valleyvision.org
(707) 813-1913

Charter Amendments
(20 minutes)

1. Discussion
2. Public Comment
3. Adoption
Co-Lead Nominations and Elections

(5 minutes)
Community Air Monitoring
Data Update
(30 minutes)
Sources of Air Pollutants

Sources can be grouped into:

- Mobile sources
- Stationary sources
- Area Sources
- Natural sources

Note: State and local emission inventories track these sources contributions

Air Pollutants

Criteria Pollutants

- Particulate Matter (PM10 & PM2.5)
- Ozone (O3)
- Lead (Pb)
- Nitrogen Dioxide (NO2)
- Carbon Monoxide (CO)
- Sulfur Dioxide (SO2)

Other Air Pollutants

- Volatile Organic Compounds (e.g. gasoline, paints, benzene)
- Metals (e.g. lead, mercury, arsenic)
- Other toxic air pollutants
- Greenhouse Gases (e.g. carbon dioxide, methane)
<table>
<thead>
<tr>
<th>Air Pollutants</th>
<th>On-road Vehicles</th>
<th>Off-road Vehicles</th>
<th>Power Plants</th>
<th>Wildfire</th>
<th>Indoor Sources</th>
<th>Natural</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter (PM)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Dust</td>
<td>Residential Wood Burning</td>
<td></td>
</tr>
<tr>
<td>Nitrogen Dioxide (NO₂)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Lightning</td>
<td>Boilers, cement kilns, turbines</td>
<td></td>
</tr>
<tr>
<td>Ozone (O₃)</td>
<td>chemical reactions</td>
<td>chemical reactions</td>
<td>chemical reactions</td>
<td>Can enhance production</td>
<td>Upper atmosphere, natural VOCs</td>
<td>Many sources</td>
<td></td>
</tr>
<tr>
<td>Carbon Monoxide (CO)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Lead (Pb)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Urban soils, some aircraft</td>
<td></td>
</tr>
<tr>
<td>Sulfur Dioxide (SO₂)</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td>Volcanoes, geothermal</td>
<td>Trains, ships, oil refining</td>
<td></td>
</tr>
</tbody>
</table>
Community Air Monitoring Objectives

**Objective A** - Monitor for traffic-related air pollutants. Determine the spatial distribution of pollution from traffic on Highway 99 and whether these emissions are significant at schools and hospitals.

**Objective B** – Determine which source categories the emissions are coming from and whether the emissions from the sources contribute significantly to poor air quality in the nearby areas.

**Objective C** – Determine air quality at sensitive receptor locations and whether air quality changes by season and location for these sensitive receptors.

**Objective D** – Increase air quality awareness in the community by making air quality information readily accessible and easy to understand.
3 Phase Monitoring Approach

Phase I
- Deploy 22 sensors

Phase II
- Deploy 6 stand alone monitors

Phase III
- Deploy 1 portable trailer
Particulate Matter and PM Toxics

PM2.5

Can contain toxics metals, black carbon and other chemicals
Phase 1 Monitoring

Phase 1 – 21 sites
- 21 Clarities (PM2.5, NO2)
- 1 Aeroqual (PM2.5, NO2, Ozone)

Purpose
- Help increase air quality awareness
- Screening tool to find where there are higher PM2.5 concentrations
- Indicate whether air pollution levels are low, medium or high

PM2.5 Daily Average per Area

24-hour Federal Health Standard for PM2.5
PM2.5 at Max Site per Area

24-hour Federal Health Standard for PM2.5
Days with Air Quality Unhealthy to Sensitive Groups or Higher

Note: Measurements from 8/17/20 to 10/10/20 have been excluded due to wildfire impact
Particulate Matter and PM Toxics

Phase 2 – 6 monitoring sites
- Species of particulate matter (i.e. 48 types metals)
- Gaseous chemical species
- Black carbon

Purpose
- Enhanced screening for chemical species
- Help evaluate type of emission sources that may contribute to air pollution burden

PM2.5
Can contain toxics metals, black carbon and other chemicals
Phase 2: 6 sites

#22 Station 56
#23 Veterans of Foreign War
#24 Impact Church
#25 Consumnes River College
#26 Sump 50
#27 Florin Elementary School
Preliminary Results from Phase 2

- 8/19/20 to 12/23/2020 (20 sample days)

- Two sites (VFW Post and Impact Church): Each had one PM2.5 sample higher than the federal standard during days not impacted by wildfire

- All sites have average concentrations below the federal health standard for lead

- VFW Hall - Highest average concentration
  - Particulate Matter 2.5 (PM2.5)
  - For many of the metals sampled
Community Air Monitoring Plan (CAMP) Outreach Subgroup Discussion (20 minutes)
“It is important to note that the activities and tools listed below will remain fluid and flexible as access, resource, and needs may change over time, especially due to unforeseen circumstances” (CAMP Page 14-1)
Objective D: To increase air quality awareness in the community by making information readily accessible and easy to understand

- Provide air quality data through District’s website and CARB’s AQview

- Engage in at least six (6) community events within 12 months of adoption of the CAMP

- Evaluate effectiveness of public outreach
  - Conduct polling to monitor effectiveness of public outreach
  - Monitor the Community Air Protection webpage traffic with a goal of 10% increase in its first year
Steering Committee identified tools and priority audience to communicate results to support action in the Plan (Element 14)
Community Air Monitoring Plan
Outreach Subgroup

Subgroup Discussion:
• Tasks
• Identify challenges
• Provide recommendations
• Lead? Members?
• Timeline
New Business and Future Agenda Topics

(10 minutes)
### Brainstorm- March/April Agenda Topics?

*Only 90 mins available for topics at each meeting*

<table>
<thead>
<tr>
<th>Topic</th>
<th>Duration</th>
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<tbody>
<tr>
<td>CAMP Outreach Subgroup Report Out</td>
<td>15-20 mins</td>
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<tr>
<td>American Cancer Society Presentation on Health</td>
<td>30 mins</td>
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<tr>
<td>Collaborative Decision-Making Training</td>
<td>60-90 mins</td>
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<tr>
<td>Air Monitoring Data/Phase 3 Location Discussion</td>
<td>60 mins (April at earliest)</td>
</tr>
<tr>
<td>Pre-CERP/Local Solution and Pre-CERP Subgroup:</td>
<td>60-90 mins</td>
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<tr>
<td>a) CARB/District presentation on CERP elements</td>
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<tr>
<td>b) Discussion of forming Pre-CERP exploratory subgroup</td>
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<tr>
<td>Partnership building:</td>
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<tr>
<td>a) City planning</td>
<td>30 mins</td>
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<tr>
<td>b) County planning</td>
<td>30 mins</td>
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<tr>
<td>Urban Heat Island presentation</td>
<td>30-45 mins</td>
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Public Comments
10 minutes

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Adjourn

Next Meeting Date: Tuesday, March 23, 2021