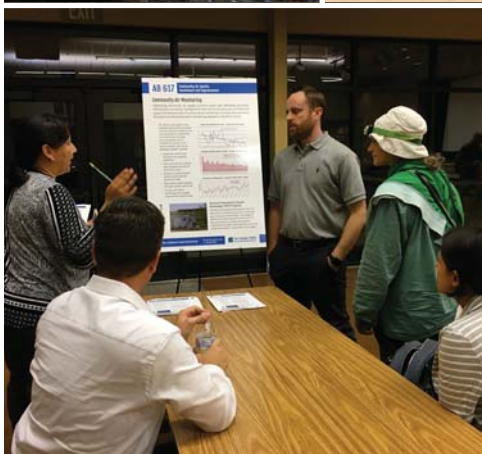


# Community Air Protection Program ANNUAL REPORT



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT  
GRANT # G17-CAPP-26  
REPORT #1

**Community Air Protection Program  
Annual Report  
San Joaquin Valley Air Pollution Control District  
Grant # G17-CAPP-26  
Report # 1**

Implementation of AB 617 mandates requires significant investment in staffing resources and procurement of equipment by the District, including development and implementation of additional emissions reporting, community air monitoring, Best Available Retrofit Control Technology (BARCT), and community emission reduction program requirements and measures. These requirements include strict implementation deadlines prescribed under AB 617 and related implementation guidance provided by CARB in their *Community Air Protection Blueprint*.

District expenditures to implement the requirements of AB 617 are described in more detail in the report below. The District's eligible AB 617 project expenditures under this agreement are detailed here:

| <b>AB 617 Expenditure and Fund Balance</b>    |                     |
|---|---------------------|
| <b>Total Grant Award</b>                      | <b>\$ 8,400,000</b> |
| Interest Earned                               | 128,693             |
| <b>Program Implementation Costs:</b>          |                     |
| Services, Supplies and Equipment Purchases    | (2,940,377)         |
| Staffing and Support Resources                | (3,386,673)         |
| Total Costs                                   | (6,327,050)         |
| <b>Available Balance as of April 30, 2019</b> | <b>\$ 2,201,643</b> |

**IMPLEMENTATION OF STATE MANDATES UNDER AB 617:**

In its implementation of AB 617, the District has engaged in a robust public process in developing the various components of the program. The District has expended a significant amount of time and staffing resources conducting the analyses for initial community nomination and selection processes, organizing and holding public meetings and formal community steering committee meetings, and creating various emissions inventory tools, documents, and resources for the community steering committees to consider as they provide recommendations to the District. The District has also invested significant staff time researching and developing new air monitoring equipment for the community air monitoring networks, working closely with contractors and equipment vendors, and invested significant capital in purchasing monitoring equipment. In addition, District staff conducted analyses of District rules to determine if they meet state requirements for Best Available Retrofit Control Technology (BARCT) and to create a schedule for review of specific District rules for potential amendments, and have begun to develop initial drafts of the required Community Emissions

Reduction Program (CERP) documents for each selected community. The following provides details of the work required for each program area for selected communities under AB 617.

### ***Community Outreach and Engagement***

The District has utilized meaningful community engagement to guide the District's efforts in the following areas under AB 617:

- Identification and prioritization of communities for air quality monitoring and emissions reduction programs
- Design and implementation of community air quality monitoring networks
- Development of emission reduction programs
- Design and development of effective voluntary incentive-based emission reduction programs
- Prioritizing the sources and locations for expenditure of incentive dollars
- Developing and making publically accessible extensive technical information

To ensure successful implementation of AB 617, residents, businesses, non-profits, agencies, and other stakeholders within selected communities have been fully engaged through the Steering Committees for each community. The District has ensured that the Community Steering Committees are designed to facilitate inclusive and balanced public engagement by providing:

- Well-publicized introductory kick-off meetings in each community to educate the public on AB617 and solicit interest in sub-committee participation
- Evening meetings at convenient locations in the community, held at least monthly (see Appendix A)
- Real-time interpretation services in all necessary languages
- Child activity areas and dinner for all attendees
- All meeting materials in hardcopy and via a comprehensive website in all necessary languages
- Expert presentations from partner agencies such as CARB, DPR, and OEHHA
- A comprehensive website with tools to view real-time air quality monitoring data and maps of emissions (see Appendix B)
- Neutral meeting facilitation to ensure meetings are inclusive and neutral by bringing out different points of view and preventing individuals from monopolizing discussions

The District has been working with Community Steering Committees to develop effective strategies, including engaging with Valley residents, businesses, agencies, and other stakeholders to identify and move forward with clean air investments in South Central Fresno and Shafter. Ensuring effective steering committees requires substantial investment of staffing and other resources to schedule, organize, and



facilitate frequent off-site, after-hours public meetings with extensive related investigation and communications.

The District has also continued to conduct public workshops throughout the Valley as needed to solicit additional community input while using outreach and media events as opportunities to discuss AB617 and promote the various grant programs available (see Appendix C). Additionally, District staff provides updates and seeks feedback from the Citizens Advisory Committee (CAC) and Environmental Justice Advisory Group (EJAG) as the implementation of AB 617 in the Valley continues to develop.

### ***Emissions Inventory and Reporting***

#### **Criteria and Toxics Report (CTR) Regulation Development**

Under AB 617, CARB is tasked with developing a uniform statewide system for reporting inventories for criteria and air toxic emissions for stationary sources to the public. The uniform statewide system is currently under development, as is an associated regulation, titled the Criteria and Toxics Reporting (CTR) regulation, to establish District permitted stationary source emissions inventory reporting requirements. Since the CTR regulation is being developed by ARB in two distinct phases or articles, the District's efforts on the CTR's development follows CARB's two-phased approach.

*Phase I: General Requirements* – Beginning in January of 2018, District staff has been heavily involved in the development of Phase I of the CTR regulation, *General Requirements*, engaging with other Districts and CARB in this effort. The District's involvement in this process includes executive management, management, supervisory, and staff-level employees. The type of engagement has been broad as well, including varying levels of involvement including daily, weekly, biweekly, and monthly activities ranging from conference calls and other correspondence, to meetings and workshops. The District has met with CARB, industry, and various stakeholders on numerous occasions to address CTR implementation issues. As a result of these multiple consultations, District staff has proposed numerous edits to the proposed CTR language to streamline the implementation of the proposed regulation and further enhance the document.

*Phase II: Uniformity (Calculating and Reporting Emissions)* – In addition to the development of the General Requirements, the CTR will contain a Uniformity section to calculate emissions and report data to CARB, with the end goal of a consistent statewide emissions inventory. The Uniformity development is a sector-based approach. To date, the sectors being analyzed are power generation, oil and gas, and landfills. Similar to Phase I, the District has been at the forefront of this effort, leading the workgroup that is developing the power generation guidance. In addition, District management and staff is also participating the other two



workgroups. The workgroups have had multiple conference calls and have working draft guidance documents.

### Community Emissions Inventory Development

*Stationary Source Emissions Inventory* – The District conducts major work every year to update the criteria pollutant emissions inventory for stationary sources, as well as toxic air contaminant (TAC) emissions inventory under the state’s AB 2588 (Air Toxics Hots Spots Information and Assessment Act) program.

As a result of AB 617, the District is required to create emissions monitoring plans and Community Emissions Reduction Programs (CERPs) for our year-one AB 617 selected communities of South Central Fresno and Shafter. The process of creating the monitoring plans and CERP documents is public and involves a steering committee for each community (as detailed elsewhere in this report). To assist with the decision-making, and to inform the committees of existing conditions regarding air pollution, the District has compiled criteria pollutant and Toxics Air Contaminant (TAC) emissions inventory data for all stationary sources in each of the two communities. This emissions inventory compilation process involves the following:

1. Surveying District permitted facilities and processing the information submitted to the District. Processing inventory data involves quality assurance of the final data that will be submitted to CARB;
2. Following up with facilities that have not submitted emissions inventory to date;
3. Geocoding permitted facilities (i.e. converting street addresses to coordinates and then verifying the locations);
4. Identifying permitted facilities that are within the AB 617 communities; and
5. Compiling the emissions inventory data from the District’s databases for each permitted facilities within the selected communities.

*Area-wide and Mobile Source Emissions Inventory* – The District assisted CARB in developing selected community-level emissions inventories for area-wide and mobile sources. CARB has provided the area-wide and mobile source emissions data to date, with oversight and quality assurance provided by the District.

*Emissions Inventory Summaries* – The District has compiled emissions inventory from stationary sources and mobile sources under a single document. This compilation process and associated data have been shared multiple times with the interested public and with both steering committees, as well as presented in both English and Spanish on each of the District’s selected community websites:

- Emissions Inventory Data for Shafter:  
<http://community.valleyair.org/selected-communities/shafter>
- Emissions Inventory Data for South Central Fresno:  
<http://community.valleyair.org/selected-communities/south-central-fresno>

### Community Website Mapping and Emissions Inventory Tools

Using the compiled stationary source, mobile, and area-wide emissions inventory data, the District has created interactive website mapping tools and continues working to further enhance these available resources. The tools utilize the geocoding data and other spatially-based data to present the community-level emissions. In addition to emissions inventory information, the tools also indicate locations of sensitive receptors (schools, hospitals, care facilities).

The images below are screen shots of the mapping tools from the community pages.

Image 1: South Central Fresno community map with permitted facility locations:

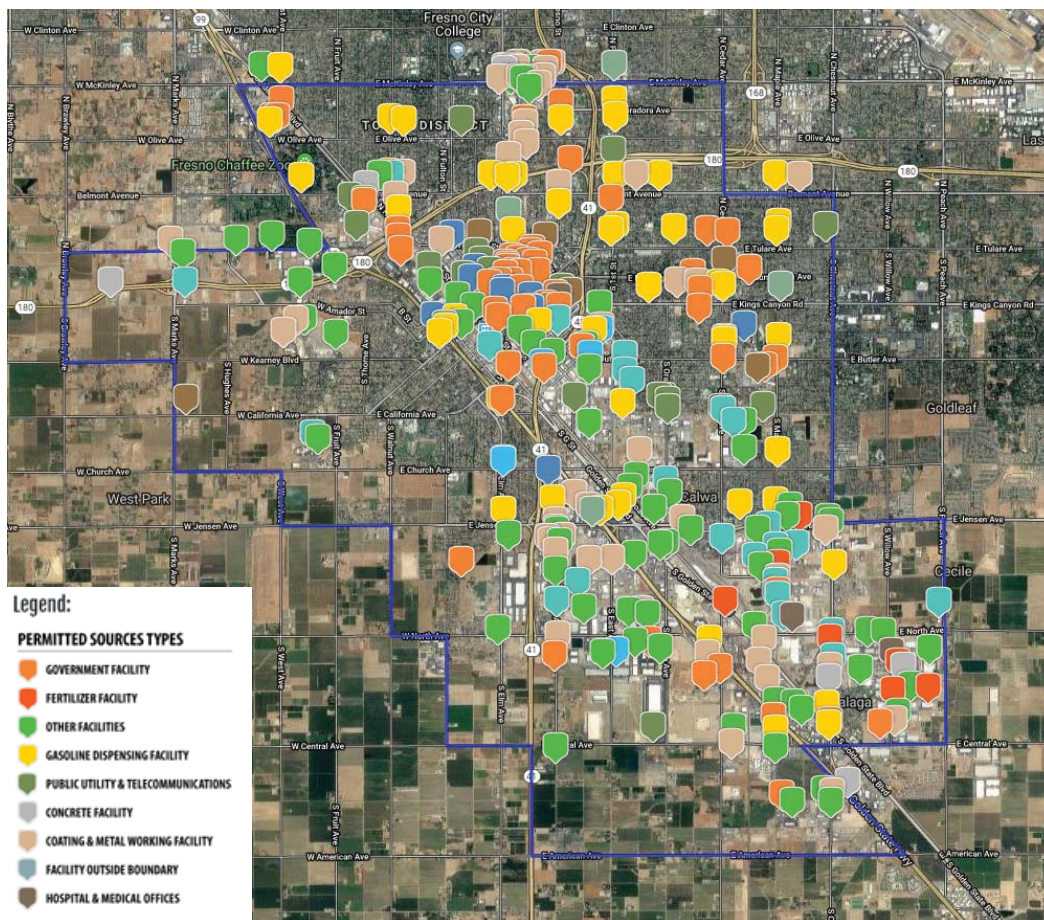
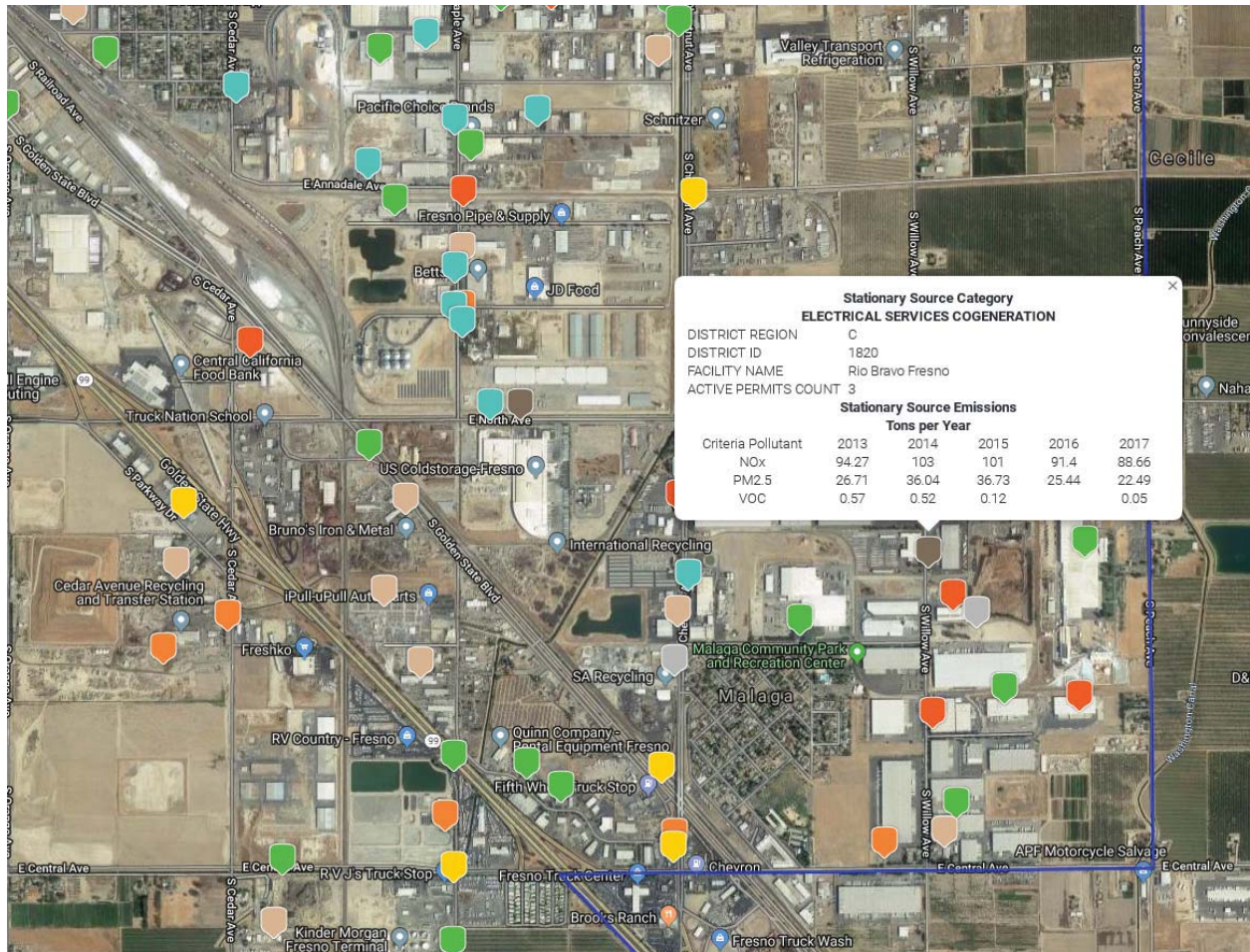




Image 2: General map emissions inventory data functionality demonstration:



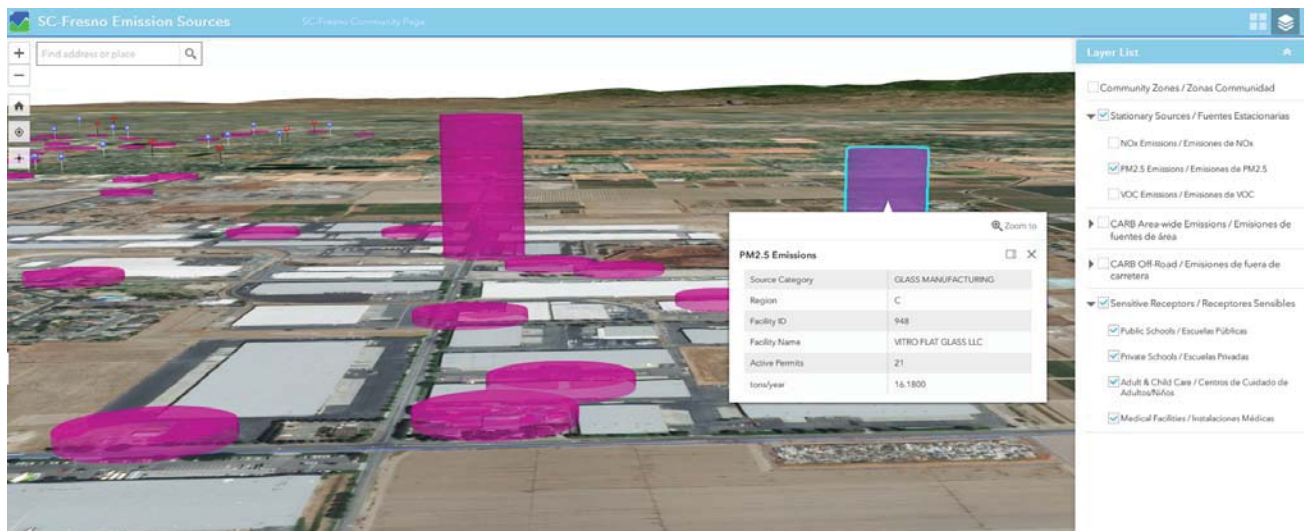
The emissions inventory and spatial data were also utilized to create three dimensional (3D) representations of the inventory information. The 3D maps provide additional levels of visualization that allow the viewer to instantly gain perspective on the magnitude of mass emissions of the various permitted facilities compared to one another. The 3D map functionality is the equivalent of 360 degree tour of the community, and includes various zoom levels. In addition, the District is currently in the process of creating the same type of visual 3D representation of CARB's area-wide and mobile source emissions data.



Image 3: 3D map emissions inventory functionality demonstration:



Image 4: 3D map emissions inventory data functionality demonstration:



### ***Community Air Monitoring***

Working with the Community Steering Committees, the District must plan, deploy, and maintain new air monitoring networks in selected communities to use the best available science in evaluating potential air quality concerns. This includes holding many public meetings on the subject of community air quality monitoring, gathering and considering input from the public and the Steering Committees, establishing the Community Air Quality Monitoring Plan for each community, procuring a combination of costly air monitoring platforms equipped with highly specialized analyzers capable of monitoring a full range of criteria and toxic pollutants.

The District has worked closely with the Community Steering Committees and the public in soliciting feedback and recommendations on how the networks should be designed. Since February 2019, the District has also been providing ongoing updates at both South Central Fresno and Shafter community steering committee meetings regarding progress in preparations for implementing the community networks. In these sessions, the community steering committees provided valuable ideas and recommendations to the District on which pollutants should be measured, where to place monitors, and which sources of pollution should be investigated in the area (see Appendix D).

Community air quality monitoring plans were discussed at the following meetings:

- South Central Fresno
  - April 10, 2019 Steering Committee Meeting
  - May 1, 2019 Air Monitoring Subcommittee Meeting
  - May 8, 2019 Steering Committee Meeting
  - June 5, 2019 Air Monitoring Subcommittee Meeting
  - June 12 Steering Committee Meeting
  
- Shafter
  - February 11, 2019 Steering Committee Meeting
  - April 8, 2019 Steering Committee Meeting
  - May 13, 2019 Steering Committee Meeting
  - June 10, 2019 Steering Committee Meeting

In these meetings, the District solicited comments and suggestions, and provided the committee members a wealth of information to consider, including platform and equipment listings, emissions levels for stationary, area, and mobile sources, toxics data, and more. The collection of this information assisted the committee members in making informed recommendations to the District regarding the community air monitoring networks.

The District has already completed an extensive amount of work in preparing for the community air monitoring networks that will be deployed in South Central Fresno and Shafter. This work began in early 2018 with a thorough evaluation of the type of equipment that could be used in community air monitoring networks, as well as the platforms that could be used to house the equipment. Early in the planning stages, the District determined that a different approach would be needed for these community networks, when compared to more traditional stationary regulatory monitors, as the equipment being used may be moved more frequently, and would need to respond to various needs and goals that may change over time.

Based on these needs, the District established the following principles as equipment and platforms continued to be researched and developed:

- *Expanded capacity at lower cost:* Will provide the District with a broad range of monitoring capabilities for multiple air pollutants without having to spend large sums of dollars in building traditional stationary air monitoring stations and platforms.
- *Scalable:* Will provide flexibility to customize the air monitoring instrumentation based on the community monitoring needs identified for the selected location. This includes flexibility in the number of pollutants being monitored, monitoring duration and methods. Due to the cost-effectiveness of the proposed design, the assets provide capabilities for multiple platforms to be utilized when needed.
- *Portable:* Will provide mobility ranging from allowing movements from one community to another or movements within a community as needed.
- *Rapid deployment:* Can be assembled rapidly and will require less support infrastructure than traditional stationary air monitoring stations.

As an outcome of this comprehensive evaluation process, the District hired a contractor to oversee the design and development of a number of key platforms and assets to be used in the community air monitoring networks, including 2 air monitoring vans, 2 mobile air monitoring trailers, and 3 multi-pollutant compact air monitoring systems. The District also purchased a significant amount of other equipment to be used in these assets, various stand-alone units, as well as support equipment (see Appendix D). Through the collection of equipment acquired so far, the District will be able to measure the following pollutants/parameters in the South Central Fresno and Shafter communities:

- Particulate matter: PM2.5, PM10, black carbon, PM2.5 speciation, PM toxics
- Gas: ozone, NO/NO2/NOx, CO, SO2, H2S
- VOC: total VOCs, BTEX, VOC toxics, VOC speciation via Summa canisters, VOC speciation via PTR-MS
- Meteorological parameters

The District has also purchased additional equipment to support the vast collection of analyzers that will be operating in the communities. This support equipment includes zero air generators, calibrators, flow standards, data loggers, and various communication equipment.

These assets and equipment needs continual maintenance and oversight to ensure the successful operation of this new network. Staff will be responsible for operating and maintaining this new network so that it is functional and accurate at all times. These activities include but are not limited to regular maintenance, filter processing and handling, calibrations, and repairs ensuring equipment is operating at its optimal level and producing the most accurate air quality data at all times. In addition, the equipment being operated in the community air monitoring network also needs a large stock of consumables and spare parts to support the equipment being used. This takes ongoing



organization, reconciliation, and ordering of parts to keep the equipment successfully operating.

Although still in development, the District has already begun implementing certain portions of the District's Community Air Monitoring Plans, deploying a portion of the community air monitoring networks in South Central Fresno and Shafter. The balance of the plan will be implemented by July 1, with equipment deployment scheduled over the coming months.

### ***Community Emissions Reduction Programs***

Community Emission Reduction Programs (CERPs) implemented under AB 617 are designed to reduce emissions of pollutants that have been shown to have adverse impacts on public health, including PM<sub>2.5</sub> and toxic air contaminants. As specified in CARB's Community Air Protection Program Blueprint, Appendix C (Criteria for Community Emission Reduction Programs), these CERPs are will be designed to focus on maximizing reductions of toxic air contaminants that contribute to cumulative exposure burdens within the community, and on reducing exposure to PM<sub>2.5</sub> from local sources.

The District has been working with the Community Steering Committees to develop and adopt CERPs for both South Central Fresno and Shafter. These documents will outline emission reduction strategies aimed at reducing emissions and elevated exposure burdens experienced by residents of each impacted community. Throughout the CERP development processes, the District has engaged residents, stakeholders, EJ advocates, and local agencies within the two selected communities to better understand sources of community concern and prioritize strategies to reduce the associated pollution impacts.

To help guide these community-driven discussions and inform CERP strategy development, the District has worked with CARB, stakeholders, other agencies to provide the Community Steering Committees with extensive background and technical information. Steering Committee meetings to date have included collaborative presentations on monitoring analysis, current and planned regional regulatory strategies, current and planned regional incentives strategies, statewide mobile and area source strategies, community modeling and air quality analysis, and community-level emissions inventory development.

The Community Steering Committee meetings are the driving forces behind identifying and developing effective measures aimed at reducing emissions and mitigating local impacts. In order to maximize the Steering Committee's time together and help build consensus among the diverse membership, adjustments have been made to recent meeting formats to include collaborative seating arrangements, interactive group exercises, and take-home assignments (see Appendix E). Some of these more dynamic meetings have yielded the best results from both committees.

Both Steering Committees have been through facilitated exercises to identify and prioritize their top community sources of concern. The following sources are just some of the main concerns from each community:

**Fresno**

Heavy Duty Trucks  
Idling Cars  
Residential Wood Burning  
Land-Use/Industrial Development  
Illegal Trash Burning  
Dust Control  
Biomass Facilities

**Shafter**

Pesticides and pesticide monitoring  
Heavy Duty Trucks  
Older, high-polluting passenger vehicles  
Locomotives  
Paved and Unpaved Road Dust  
Oil and Gas  
Dairy Emissions

As the deadlines for CERP development approach, the Steering Committees and the District have decided to work together to meet more frequently. Future bimonthly meetings will focus on developing and prioritizing strategies, determining targets and metrics, and finalizing CERP input.

The final CERPs will provide a description of the South Central Fresno and Shafter communities, including geographical boundaries and socioeconomic factors impacting community residents. Technical analysis sections will describe the sources of pollution impacting the community, as well as the location of sensitive receptors within the community. Sources of pollution that are of particular concern to community members will be highlighted, and the District will detail the comprehensive strategies to reduce emissions and/or mitigate exposure to these sources. The strategies that are ultimately selected for implementation in the community will be detailed, which will include incentive funding measures, public engagement strategies, enforcement strategies, regulatory strategies, and strategies that will be completed in partnership with other agencies and local organizations. Finally, an implementation schedule and metrics for tracking emission reductions in annual reporting and at the five-year milestone will be discussed in detail.

***Best Available Retrofit Control Technology (BARCT)***

Background

AB 617 required districts that are in nonattainment for one or more air pollutants to adopt expedited schedules by January 2019 for the implementation of Best Available Retrofit Control Technology (BARCT). Significant work was necessary to demonstrate that existing rules met BARCT requirements or, where it was not clear that BARCT requirements were met, identify potential gaps in the existing rules, establish a rule-review schedule, and take the schedule to the District's Governing Board for approval before the deadline. The Board adopted the District's BARCT Analysis Schedule on December 20, 2018. The District must now implement the schedule, and, where necessary, develop rule amendments consistent with state BARCT requirements. The District must also share its findings with the state as CARB compiles the BARCT clearinghouse.

### BARCT Analysis

As of January 1, 2017, 109 facilities within the District were identified by CARB as being subject to the state Cap-and-Trade program, the market-based compliance mechanism adopted by the state board pursuant to subdivision (c) of Section 38562, and therefore AB 617 BARCT requirements. The District utilized an extensive evaluation process to make an initial determination of whether the rules that apply to Cap-and-Trade facilities meet all state BARCT requirements, as mandated by AB 617. Evaluating the 109 affected facilities, the District identified that approximately 4,500 active permit units were within the scope of this BARCT analysis. From the 4,500 active permit units, the District determined that 32 District rules that apply to specific source categories of equipment were subject to the BARCT analysis required under AB 617.

District staff performed analysis of the 32 affected rules and determined that:

- 5 rules were superseded by a more stringent rule known to meet BARCT or by a rule subject to further BARCT analysis,
- 5 rules were determined to meet Most Stringent Measures (MSM) for NO<sub>x</sub>, the only relevant pollutant for these affected rules and therefore meet BARCT, and
- 6 rules were specifically determined to meet BARCT through an extensive rule and source category evaluation that compared our rule requirements with federal and state air quality regulations and with regulations of other air districts in California.
- While the remaining 16 rules likely already meet BARCT due to the District's ongoing extensive regulatory evaluations and enhancements, the proposed BARCT implementation schedule includes commitments to establish updated BARCT determinations for these rules.

Section 40920.6(c)(3) of the Health and Safety Code requires Districts to give highest priority to conduct the BARCT analysis to those rules affecting permitted units that have not modified emissions-related permit conditions for the greatest period of time. To assist in further prioritization, the District also considered local public health, clean air



benefits to the surrounding community, and regional air quality and attainment benefits by prioritizing units that emit NO<sub>x</sub> and are located within communities selected for action under AB 617. In addition, while cost-effectiveness of controls can't be fully analyzed until each rule is addressed during the development of a BARCT rule, the District also prioritized rules with the greatest number of potentially affected units, which, when coupled to the law's requirement of prioritizing based on the length of time since the units were last modified, provides some consideration of the most likely controls to be cost-effective.

### Expedited BARCT Implementation Schedule

As a part of the public process associated with establishing the Expedited BARCT Implementation Schedule, the District conducted a public scoping meeting on June 14, 2018, to solicit input from stakeholders regarding the District's proposed methodology to address the AB 617 requirement to adopt an expedited BARCT analysis schedule. The District then held a public workshop on November 1, 2018, to solicit further input from the stakeholders regarding the District's proposed BARCT implementation schedule. No comments were received from stakeholders after this workshop. Then, on December 20, 2018, the District's Governing Board approved the Expedited BARCT Implementation Schedule as required under AB 617 (See Appendix F).

Five to six rules will be analyzed each year in 2019, 2020, and 2021 as identified in Appendix F. For all rules where further analysis is required to determine whether a District rule meets BARCT, the District will engage in a robust process to assess specific air pollution control technologies associated with each rule, taking into account the local public health and clean air benefits to the community, the air quality and attainment benefits of each control option, and the cost effectiveness of each control option.

### Further BARCT Analysis

The District has begun performing a further BARCT analysis of the 16 rules identified, in the order of documented priority. Each District rule and source category are being compared to federal and state air quality regulations, and the regulations of other air districts in California, including but not limited to the following:

- South Coast Air Quality Management District (AQMD)
- Bay Area AQMD
- Sacramento Metropolitan AQMD
- Ventura County Air Pollution Control District (APCD)

The District is also working with the affected facilities to identify the potential control options that may result in additional emissions reductions. The affected facilities are providing the District with technical information and costs related to potential control options to determine the feasibility of implementing each option identified.

Based on the detailed analysis, if any rule is found to not meet state BARCT requirements, the District will enter into a full rule development process involving a robust public process and taking place immediately after the BARCT analysis is complete. Any necessary BARCT rule adoption(s) will take place at the earliest feasible date, as identified in the BARCT Implementation Schedule (See Appendix F).

### Technology Clearinghouse

AB 617 requires CARB to establish and maintain a statewide clearinghouse that identifies the best available control technology, best available retrofit control technology for criteria air pollutants, and related technologies for the control of toxic air contaminants.

District staff have been participating in bi-weekly conference calls with CARB and other air district staff to discuss the proposed changes to the statewide clearinghouse and the new database and website interface that CARB and their programming consultant is creating. Through collaborative discussions, the District has provided input on facility and pollutant definitions; source category, subcategory, and classification differences; public usability and device specificity; and many other topics. Additional meetings have been scheduled and significant work and testing of the new database and website is still needed before the statewide clearinghouse can be released for public use.

**Community Air Protection Program  
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Appendix A

**Agendas and Support Materials from AB 617 Steering Committee Meetings**

# Community Kickoff Meeting – Assembly Bill (AB) 617

*San Joaquin Valley Community Engagement & Protection Program*

## Opportunity for public participation in Shafter

Join the Valley Air District for an update on the local implementation of AB 617 which aims to improve air quality in Valley communities.

**Tuesday, October 30, 2018**

**6:00 – 8:00pm**

**Golden Oak Elementary School**

190 S Wall St, Shafter, CA 93263

Attendees can get further information, ask questions and even apply to participate on the **Shafter AB 617 Steering Committee**.

The Valley Air District is seeking involvement from interested residents, businesses and other members of the community to help the District understand the specific air quality needs of Shafter, develop effective clean air strategies, and identify opportunities for investment of newly available clean air funding.

Spanish interpretation will be available.

Visit [www.valleyair.org/community](http://www.valleyair.org/community),  
email [AB617@valleyair.org](mailto:AB617@valleyair.org) or call 559-230-6000.

The San Joaquin Valley Air Pollution Control District (Valley Air District) is the air pollution control agency for the eight counties of the San Joaquin Valley, which includes San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare and the Valley Air Basin portion of Kern County.

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@valleyairdistrict

**San Joaquin Valley Air Pollution Control District**

1990 E Gettysburg Ave, Fresno, CA 93726

[www.valleyair.org](http://www.valleyair.org) | 1-800-SMOG INFO



## Reunión de Lanzamiento de la Comunidad – Ley de la Asamblea (AB) 617

*Programa de Participación y Protección de la Comunidad del Valle de San Joaquín*

### Oportunidad para participación pública en Shafter

Únase al Distrito del Aire del Valle para obtener las últimas noticias sobre la implementación local de AB 617 cual meta es mejorar la calidad del aire en las comunidades en el Valle.

**Martes 30 de Octubre de 2018**

**6:00 – 8:00pm**

**Golden Oak Elementary School**

190 S Wall St, Shafter, CA 93263

Los asistentes pueden obtener más información, hacer preguntas e incluso solicitar participar en el **Comité Directivo de AB 617 de Shafter**.

El Distrito del Aire del Valle está solicitando la participación de residentes, negocios y otros miembros de la comunidad interesados en ayudar al Distrito a comprender las necesidades específicas de calidad del aire de Shafter, desarrollar estrategias efectivas de aire limpio e identificar oportunidades para la inversión de fondos de aire limpio recientemente disponibles.

Habrá interpretación en español.

Visite [www.valleyair.org/community](http://www.valleyair.org/community),  
envíe un correo electrónico a [AB617@valleyair.org](mailto:AB617@valleyair.org) o llame al 559-230-6000.

El Distrito del Control de Contaminación del Aire del Valle de San Joaquín (Distrito del Aire del Valle) es la agencia del control de contaminación para los ocho condados en el Valle de San Joaquín, cual incluye San Joaquín, Stanislaus, Merced, Madera, Fresno, Kings, Tulare y la parte dentro la cuenca de aire del Valle del condado de Kern.

PARA LAS ÚLTIMAS NOTICIAS, CONÉCTESE CON NOSOTROS EN:



**San Joaquin Valley Air Pollution Control District**  
1990 E Gettysburg Ave, Fresno, CA 93726  
[www.valleyair.org](http://www.valleyair.org) | 1-800-SMOG INFO

# AB 617 Community Air Quality Investment and Improvement



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT

## **Kickoff Meeting Agenda - Shafter** **October 30, 2018**

Golden Oak Elementary School  
190 S Wall St, Shafter, CA 93263

- 6:00 PM **Welcoming Remarks**  
*Samir Sheikh, Executive Officer/Air Pollution Control Officer*
- 6:15 PM **AB 617 Background**  
*Sheraz Gill, Deputy Air Pollution Control Officer*  
» Existing regional and community level emission reduction efforts  
» AB 617 brings new resources for Community-focused efforts
- 6:30 PM **AB 617 Implementation**  
*Dave Warner, Deputy Air Pollution Control Officer*  
» State Air Resources Board's selection of first-year communities  
» Air Quality Monitoring  
» Community Emissions Reduction Programs
- 6:45 PM **Emission Reduction Incentive Grants**  
*Brian Dodds, Strategies & Incentives Program Manager*  
» How incentives clean up the air  
» Programs for variety of grant projects  
» New resources available
- 7:00 PM **Community Steering Committees**  
*Jaime Holt, Chief Communications Officer*  
» Role of Steering Committee  
» Seeking participation
- 7:15 PM **Q&A**
- 7:30 PM *Visit poster areas for more information*  
» Community Air Monitoring  
» Funding Available  
» Steering Committee Applications

## **Agenda de la Reunión de Lanzamiento - Shafter** **30 de octubre de 2018**

Golden Oak Elementary School  
190 S Wall St, Shafter, CA 93263

- 6:00 PM **Bienvenida**  
*Samir Sheikh, Director Ejecutivo/Oficial de Control de Contaminación del Aire*
- 6:15 PM **Historial de AB 617**  
*Sheraz Gill, Director Adjunto de Control de Contaminación del Aire*  
» *Esfuerzos existentes de reducción de emisiones a nivel regional y comunitario*  
» *AB 617 trae nuevos recursos para esfuerzos centrados en la comunidad*
- 6:30 PM **Implementación de AB 617**  
*Dave Warner, Director Adjunto de Control de Contaminación del Aire*  
» *Selección de comunidades de primer año de la Junta de Recursos del Aire de California*  
» *Monitoreo de la calidad del aire*  
» *Programas de reducción de emisiones de la comunidad*
- 6:45 PM **Subvenciones para la Reducción de Emisiones**  
*Brian Dodds, Gerente del Programa de Estrategias e Incentivos*  
» *Cómo los incentivos limpian el aire*  
» *Programas para variedad de proyectos de incentivos*  
» *Nuevos recursos disponibles*
- 7:00 PM **Comités Directivos Comunitarios**  
*Jaime Holt, Director de Comunicaciones*  
» *Papel del Comité Directivo*  
» *Buscando la participación*
- 7:15 PM **Preguntas y Respuestas**
- 7:30 PM *Visita la área de carteles para más información*  
» *Monitoreo de la calidad del aire comunitario*  
» *Fondos disponibles*  
» *Solicitudes para el Comité Directivo*





## **Agenda for AB 617 Community Steering Committee Meeting** **December 17, 2018 - Shafter Veterans Hall**

- |   |           |
|---|-----------|
| 1. Doors Open/Meet and Greet/Refreshments   | 5:30 p.m. |
| 2. Welcome<br><i>Samir Sheikh, Executive Director/Air Pollution Control Officer</i>   | 6:00 p.m. |
| 3. Steering Committee Facilitator and Member Introductions<br><i>Dave Warner, Deputy Air Pollution Control Officer</i><br><i>Jimmy Yee, Facilitator</i> | 6:05 p.m. |
| 4. What can AB 617 do for your Community?   | 6:15 p.m. |
| a. AB 617 Goals<br><i>Sheraz Gill, Deputy Air Pollution Control Officer</i>   |           |
| b. Community Incentive Efforts and Opportunities<br><i>Todd DeYoung, Strategies and Incentives Program Manager</i>                                      | 6:25 p.m. |
| Steering Committee Air Quality Interests and Concerns   | 6:30 p.m. |
| a. Start Living List on Easel<br><i>Jimmy Yee, Facilitator</i>  |           |
| Steering Committee Charter<br><i>Dave Warner, Deputy Air Pollution Control Officer</i><br><i>Jimmy Yee, Facilitator</i>                                 | 7:00 p.m. |
| 5. Topics for Next Meeting<br><i>Jimmy Yee, Facilitator</i>   | 7:20 p.m. |
| 6. Public Comment   | 7:30 p.m. |



## **Agenda para la Reunión del Comité Directivo Comunitario AB 617** **17 de diciembre de 2018 - Shafter Sala de Veteranos**

- |  |           |
|--|-----------|
| 1. Puertas Abren/Dar la Bienvenida/Refrescos   | 5:30 p.m. |
| 2. Bienvenidos<br><i>Samir Sheikh, Director Ejecutivo/Oficial de Control de Contaminación del Aire</i>   | 6:00 p.m. |
| Presentación de Miembros y Facilitador del Comité Directivo<br><i>Dave Warner, Oficial Adjunto de Control de Contaminación del Aire</i><br><i>Jimmy Yee, Facilitador</i> | 6:05 p.m. |
| 3. ¿Qué puede hacer AB 617 para su Comunidad?  |           |
| a. Metas de AB 617<br><i>Sheraz Gill, Oficial Adjunto de Control de Contaminación del Aire</i>   | 6:15 p.m. |
| b. Esfuerzos y oportunidades de incentivos para la comunidad<br><i>Todd DeYoung, Gerente del Programa de Estrategias e Incentivos</i>                                    | 6:25 p.m. |
| Intereses y Preocupaciones de la Calidad del Aire del Comité Directivo   | 6:30 p.m. |
| a. Comenzar la Lista en el caballete<br><i>Jimmy Yee, Facilitador</i>  |           |
| Carta Estatutaria del Comité<br><i>Dave Warner, Oficial Adjunto de Control de Contaminación del Aire</i><br><i>Jimmy Yee, Facilitador</i>                                | 7:00 p.m. |
| 4. Temas para la Próxima Reunión<br><i>Jimmy Yee, Facilitador</i>  | 7:20 p.m. |
| 5. Comentario Público  | 7:30 p.m. |



## **Agenda for AB 617 Community Steering Committee - Meeting Number 2** **January 14, 2019 - Shafter Veterans Hall**

**Please be ready to participate in meeting at 6 p.m. sharp!**

- |   |           |
|---|-----------|
| 1. Doors Open/Meet and Greet/Refreshments   | 5:30 p.m. |
| 2. Welcome<br><i>Dave Warner, Deputy Air Pollution Control Officer</i><br><i>Jimmy Yee, Facilitator</i>   | 6 p.m.    |
| 3. Community Boundary Discussion<br><i>Dave Warner, Deputy Air Pollution Control Officer</i>  | 6:10 p.m. |
| 4. Steering Committee Charter<br><i>Dave Warner, Deputy Air Pollution Control Officer</i>   | 6:30 p.m. |
| 5. Community Emission Sources<br><i>Brian Clements, Manager of Technical Services, Air District</i><br>a. Overview<br>b. Stationary Sources (regulated by District)<br>c. Mobile Sources (regulated by state and federal governments)<br>d. Area Sources (limited/shared regulatory responsibility) | 7 p.m.    |
| 6. Topics for Next Meeting<br><i>Jimmy Yee, Facilitator</i>   | 7:40 p.m. |
| 7. Public Comment<br><i>Jimmy Yee, Facilitator</i>  | 7:45 p.m. |





## **Agenda para la Reunión del Comité Directivo Comunitario AB 617 - Reunión Número 2**

**14 de enero de 2019 – Sala de Veteranos de Shafter**

**Por favor, esté listo para participar en la reunión ¡a las 6 p.m. en punto!**

- |  |           |
|--|-----------|
| 1. Puertas Abren/ Dar la Bienvenida/ Refrescos   | 5:30 p.m. |
| 2. Bienvenida<br><i>Dave Warner, Oficial Adjunto de Control de Contaminación del Aire</i><br><i>Jimmy Yee, Facilitador</i> | 6 p.m.    |
| 3. Discusión sobre los Límites de la Comunidad<br><i>Dave Warner, Oficial Adjunto de Control de Contaminación del Aire</i> | 6:10 p.m. |
| 4. Carta Estatutaria del Comité Directivo<br><i>Dave Warner, Oficial Adjunto de Control de Contaminación del Aire</i>      | 6:30 p.m. |
| 5. Fuentes de Emisiones de la Comunidad<br><i>Brian Clements, Gerente de Servicios Técnicos, Distrito del Aire</i>         | 7 p.m.    |
| a. Visión general  |           |
| b. Fuentes Estacionarias (reguladas por el Distrito)   |           |
| c. Fuentes Móviles (reguladas por gobiernos estatales y federales)   |           |
| d. Fuentes de Área (responsabilidad regulatoria limitada/compartida)   |           |
| 6. Temas para la Próxima Reunión<br><i>Jimmy Yee, Facilitador</i>  | 7:40 p.m. |
| 7. Comentario Público<br><i>Jimmy Yee, Facilitador</i>   | 7:45 p.m. |



## **Agenda for Community Steering Committee - Meeting #3**

February 11, 2019 - Shafter Veterans Hall  
309 California Ave, Shafter, CA 93263

**Please be ready to participate in meeting at 6 p.m. sharp!**

1. Doors Open/Meet and Greet/Refreshments 5:30 p.m.
2. Welcome 6 p.m.  
*Jimmy Yee, Facilitator*
3. AB 617 Committee Deadlines/Calendar Review 6:10 p.m.  
*Jimmy Yee, Facilitator*
4. Development of Shafter Air Quality Monitoring Plan 6:30 p.m.  
*Jon Klassen, Director of Strategies and Incentives*
5. Committee Input on Community Air Monitoring Needs 7 p.m.  
*Jimmy Yee, Facilitator*
6. Topics for Next Meeting 7:40 p.m.  
*Jimmy Yee, Facilitator*
7. Public Comment 7:45 p.m.  
*Jimmy Yee, Facilitator*



## **Agenda para el Comité Directivo Comunitario – Reunión #3**

11 de febrero de 2019, Sala de Veteranos de Shafter  
309 California Ave, Shafter, CA 93263

**Por favor, esté listo para participar en la reunión ¡a las 6 p.m. en punto!**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:30 p.m.
2. Bienvenida 6 p.m.  
*Jimmy Yee, Facilitador*
3. Fechas Límite del Comité de AB 617/Revisión del Calendario 6:10 p.m.  
*Jimmy Yee, Facilitador*
4. Desarrollo del Plan de Monitoreo del Aire de Shafter 6:30 p.m.  
*Jon Klassen, Director de Estrategias e Incentivos*
5. Aporte del Comité sobre las Necesidades de Monitoreo del Aire de la Comunidad 7 p.m.  
*Jimmy Yee, Facilitador*
6. Temas para la Próxima Reunión 7:40 p.m.  
*Jimmy Yee, Facilitador*
7. Comentario Público 7:45 p.m.  
*Jimmy Yee, Facilitador*





## **Agenda for Community Steering Committee – Meeting #4**

March 11, 2019 - Shafter Veterans Hall  
309 California Ave, Shafter, CA 93263

**Please be ready to participate in meeting at 6 p.m. sharp!**

1. Doors Open/Meet and Greet/Refreshments 5:30 p.m.
2. Welcome 6:00 p.m.  
*Jimmy Yee, Facilitator*
3. Presentation by California Department of Pesticide Regulation (DPR) on Agency Efforts in Shafter Area 6:10 p.m.  
*DPR Staff*
4. Introduction to Components of a Community Emission Reduction Program (CERP) 6:50 p.m.  
*Jessica Coria, Air District Senior Air Quality Specialist*
5. Committee Discussion of CERP Components 7:10 p.m.  
*Jimmy Yee, Facilitator*
6. Topics for Next Meeting 7:40 p.m.  
*Jimmy Yee, Facilitator*
7. Public Comment 7:45 p.m.  
*Jimmy Yee, Facilitator*



## **Agenda para el Comité Directivo Comunitario – Reunión #4**

11 de marzo de 2019, Sala de Veteranos de Shafter  
309 California Ave, Shafter, CA 93263

**Por favor, esté listo para participar en la reunión ¡a las 6 p.m. en punto!**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:30 p.m.
2. Bienvenida 6:00 p.m.  
*Jimmy Yee, Facilitador*
3. Presentación del Departamento de Regulación de Pesticidas de California sobre los esfuerzos de la Agencia en el área de Shafter 6:10 p.m.  
*Personal de DPR*
4. Introducción a los Componentes del Programa de Reducción de Emisiones de la Comunidad (CERP) 6:50 p.m.  
*Jessica Coria, Especialista en Calidad del Aire del Distrito del Aire*
5. Discusión del Comité sobre los Componentes del CERP 7:10 p.m.  
*Jimmy Yee, Facilitador*
6. Temas para la Próxima Reunión 7:40 p.m.  
*Jimmy Yee, Facilitador*
7. Comentario Público 7:45 p.m.  
*Jimmy Yee, Facilitador*



## **Agenda for Community Steering Committee – Meeting #5**

April 8, 2019 - Shafter Veterans Hall  
309 California Ave, Shafter, CA 93263

**Please be ready to participate in meeting at 5:30 p.m. sharp!**

### **Meeting Goals:**

- Feedback on the Community Air Monitoring Plan development
- Discuss ongoing Technical Assessment
  - Emissions inventory maps
  - DPR follow-up
  - CARB mobile source inventory efforts
- Feedback on draft Community Emissions Reduction Program Outline

### **Agenda:**

1. Doors Open/Meet and Greet/Refreshments 5:00 p.m.
2. Welcome and Introductions 5:30 p.m.  
*Jimmy Yee, Facilitator*
  - Review of meeting goals
3. Community Air Monitoring Plan Development 5:40 p.m.
  - a. Update: Jon Klassen, Program Director of Strategies and Incentives
  - b. Group Exercise: Monitoring Plan Feedback - Jimmy Yee, Facilitator
4. Continuing Technical Assessment Update 6:10 p.m.
  - a. New Maps: Brian Clements, Program Manager
  - b. CARB update on mobile and area source inventories: CARB Staff
  - c. DPR update (DPR invited, to be confirmed)
5. Draft CERP Outline Review 6:50 p.m.
  - a. CERP Outline Overview: Jessica Coria, Senior Air Quality Specialist
  - b. Group Exercise: CERP Feedback - Jimmy Yee, Facilitator
6. Wrap-up and Next Steps 7:20 p.m.  
*Jimmy Yee, Facilitator*
  - Meeting takeaways and next steps
  - Next Steering Committee meeting: May 13, 2019
7. Public Comment 7:30 p.m.

**Learn more: [community.valleyair.org](http://community.valleyair.org)**



## **Agenda para el Comité Directivo Comunitario – Reunión #5**

8 de abril de 2019, Sala de Veteranos de Shafter  
309 California Ave, Shafter, CA 93263

**Por favor, esté listo para participar en la reunión ¡a las 5:30 p.m. en punto!**

### **Objetivos de la Reunión:**

- Comentarios sobre el desarrollo del Plan de Monitoreo del Aire de la Comunidad
- Discutir la Evaluación Técnica continua
  - Mapas de Inventario de Emisiones
  - Seguimiento de DPR
  - Esfuerzos de inventario de fuentes móviles de CARB
- Comentarios sobre el borrador del esquema del Programa de Reducción de Emisiones de la Comunidad

### **Agenda:**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:00 p.m.
2. Bienvenida e Introducciones 5:30 p.m.  
*Jimmy Yee, Facilitador*
  - Repaso de objetivos de la reunión
3. Desarrollo del Plan de Monitoreo del Aire de la Comunidad 5:40 p.m.
  - a. Novedad: Jon Klassen, Director de Programas de Estrategias e Incentivos
  - b. Ejercicio en Grupo: Comentarios sobre el Plan de Monitoreo - Jimmy Yee, Facilitador
4. Actualización de la Evaluación Técnica Continua 6:10 p.m.
  - a. Nuevos Mapas: Brian Clements, Gerente de Servicios Técnicos
  - b. Actualización de CARB sobre inventarios de fuentes móviles y de área: Personal de CARB
  - c. Seguimiento de DPR (DPR invitado, por confirmar)
5. Repaso del Borrador del Esquema del CERP 6:50 p.m.
  - a. Repaso del Esquema del CERP: Jessica Coria, Especialista en Calidad del Aire
  - b. Ejercicio en Grupo: Comentarios sobre el CERP - Jimmy Yee, Facilitador
6. Conclusión y Próximos Pasos 7:20 p.m.  
*Jimmy Yee, Facilitador*
  - Moraleja de la reunión y próximos pasos
  - Próxima reunión del Comité Directivo: 13 de mayo de 2019
7. Comentario Público 7:30 p.m.

**Aprende más: [community.valleyair.org](http://community.valleyair.org)**





## **Agenda for Community Steering Committee – Meeting #6**

May 13, 2019 - Shafter Veterans Hall  
309 California Ave, Shafter, CA 93263

### **Agenda:**

1. Doors Open/Meet and Greet/Refreshments 5:00 p.m.
2. Welcome and Introductions 5:30 p.m.  
*Jimmy Yee, Facilitator*
  - Review of meeting goals
3. Health Effects of Air Contaminants 5:40 p.m.  
*Heather Bolstad, Office of Environmental Health Hazard Assessment*
4. Continuing Technical Assessment Update 6:10 p.m.  
Update on Inventory of Emission Sources (Stationary, Mobile, and Area)  
*Brian Clements, Manager of Technical Services, and  
Alejandra Cervantes, CARB*
5. Control of Emissions for Regulated Sources 6:30 p.m.  
*Brian Clements, Manager of Technical Services, and  
Skott Wall, Office of Community Air Protection, CARB*
6. Update on Establishing Community Air Monitoring Network 7:00 p.m.  
*Jon Klassen, Director of Strategies and Incentives*
7. Wrap-up and Next Steps 7:15 p.m.  
*Jimmy Yee, Facilitator*
  - Meeting takeaways and next steps
  - Topics for next meeting
  - Next Steering Committee meeting: June 10, 2019
8. Public Comment 7:20 p.m.

**Learn more: [community.valleyair.org](http://community.valleyair.org)**



## **Agenda para el Comité Directivo Comunitario – Reunión #6**

13 de mayo de 2019, Sala de Veteranos de Shafter  
309 California Ave, Shafter, CA 93263

### **Agenda:**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:00 p.m.
2. Bienvenida e Introducciones 5:30 p.m.  
*Jimmy Yee, Facilitador*
  - Repaso de objetivos de la reunión
3. Efectos a la Salud por los Contaminantes del Aire 5:40 p.m.  
*Heather Bolstad, Oficina de Evaluación de Riesgos a la Salud Ambiental*
4. Continuar la Actualización de la Evaluación Técnica 6:10 p.m.  
Actualización del Inventario de Fuentes de Emisión (Estacionario, Móvil, y de Área)  
*Brian Clements, Gerente de Servicios Técnicos, y*  
*Alejandra Cervantes, CARB*
5. Control de Emisiones para Fuentes Reguladas 6:30 p.m.  
*Brian Clements, Gerente de Servicios Técnicos, y*  
*Skott Wall, Oficina de Protección del Aire de la Comunidad, CARB*
6. Actualización sobre el establecimiento del Sistema Comunitario del Monitoreo del Aire 7:00 p.m.  
*Jon Klassen, Director de Estrategias e Incentivos*
7. Concluir y Próximos Pasos 7:15 p.m.  
*Jimmy Yee, Facilitador*
  - Puntos importantes de la reunión y próximos pasos
  - Temas para la próxima reunión
  - Próxima reunión del Comité Directivo: 10 de junio de 2019
8. Comentario Público 7:20 p.m.

**Aprende más: [community.valleyair.org](http://community.valleyair.org)**

# Community Kickoff Meeting – Assembly Bill (AB) 617

*San Joaquin Valley Community Engagement & Protection Program*

## Opportunity for public participation in South Central Fresno

Join the Valley Air District for an update on the local implementation of AB 617 which aims to improve air quality in Valley communities.

**Thursday, November 1, 2018**  
**6:00 – 8:00pm**

**Vang Pao Elementary School**  
4100 E. Heaton Ave., Fresno, CA 93702

Attendees can get further information, ask questions and even apply to participate on the **South Central Fresno AB 617 Steering Committee**.

The Valley Air District is seeking involvement from interested residents, businesses and other members of the community to help the District understand the specific air quality needs of South Central Fresno, develop effective clean air strategies, and identify opportunities for investment of newly available clean air funding.

Spanish and Hmong interpretation will be available.

Visit [www.valleyair.org/community](http://www.valleyair.org/community),  
email [AB617@valleyair.org](mailto:AB617@valleyair.org) or call 559-230-6000.

The San Joaquin Valley Air Pollution Control District (Valley Air District) is the air pollution control agency for the eight counties of the San Joaquin Valley, which includes San Joaquin, Stanislaus; Merced, Madera, Fresno, Kings, Tulare and the Valley Air Basin portion of Kern County.

FOR THE LATEST NEWS, CONNECT WITH US ON:



**San Joaquin Valley Air Pollution Control District**  
1990 E Gettysburg Ave, Fresno, CA 93726  
[www.valleyair.org](http://www.valleyair.org) | 1-800-SMOG INFO

# Reunión de Lanzamiento de la Comunidad – Ley de la Asamblea (AB) 617

*Programa de Participación y Protección de la Comunidad del Valle de San Joaquín*

## Oportunidad para participación pública en Centro-Sur Fresno

Únase al Distrito del Aire del Valle para obtener las últimas noticias sobre la implementación local de AB 617 cual meta es mejorar la calidad del aire en las comunidades en el Valle.

**Jueves 1 de Noviembre de 2018**

**6:00 – 8:00pm**

**Vang Pao Elementary School**

4100 E. Heaton Ave., Fresno, CA 93702

Los asistentes pueden obtener más información, hacer preguntas e incluso solicitar participar en el **Comité Directivo de AB 617 de Centro-Sur Fresno**.

El Distrito del Aire del Valle está solicitando la participación de residentes, negocios y otros miembros de la comunidad interesados en ayudar al Distrito a comprender las necesidades específicas de calidad del aire de Centro-Sur Fresno, desarrollar estrategias efectivas de aire limpio e identificar oportunidades para la inversión de fondos de aire limpio recientemente disponibles.

Habrà interpretación en español y hmong.

Visite [www.valleyair.org/community](http://www.valleyair.org/community),  
envíe un correo electrónico a [AB617@valleyair.org](mailto:AB617@valleyair.org) o llame al 559-230-6000.

El Distrito del Control de Contaminación del Aire del Valle de San Joaquín (Distrito del Aire del Valle) es la agencia del control de contaminación para los ocho condados en el Valle de San Joaquín, cual incluye San Joaquín, Stanislaus, Merced, Madera, Fresno, Kings, Tulare y la parte dentro la cuenca de aire del Valle del condado de Kern.

PARA LAS ÚLTIMAS NOTICIAS, CONÉCTESE CON NOSOTROS EN:



/valleyair



@valleyair



@valleyairdistrict

**San Joaquin Valley Air Pollution Control District**

1990 E Gettysburg Ave, Fresno, CA 93726

[www.valleyair.org](http://www.valleyair.org) | 1-800-SMOG INFO

# Thawj Lub Rooj Sib Tham Txog Huab Cua Hauv Zej Zog – Txoj Cai Assembly Bill (AB) 617

*Kev Koom Tes Thiab Kev Tiv Thav Hauv Zej Zog Ntawm San Joaquin Valley*

## **Muab Lub Sij Hawm Rau Pej Xeem Sib Tham Hauv Nruab Nrab Qab Zog Fresno (South Central Fresno)**

Tuaj koom nrog lub koom haum Valley Air District sib tham txog yam tshiab yuav tshwm sim los ntawm txoj cai AB 617 los pab kom huab cua huv rau hauv cov zej zog nyob hauv lub hav San Joaquin Valley.

**Thursday, Kaum Ib Hlis Ntuj Tim 1, 2018  
6:00 – 8:00pm**

**Vang Pao Elementary School**  
4100 E. Heaton Ave., Fresno, CA 93702

Tuaj koom peb yog koj xav paub ntxiv, muaj lus nug, los xav yog ib tug ntawm **Pawg Thawj Saib Xyuas AB 617 Hauv South Central Fresno.**

Lub koom haum Valley Air District xav nrhiav kev koom tes los ntawm cov pej xeem, cov lag luam, thiab lwm cov tswv cuab nyob hauv zej zog South Central Fresno los pab qhia lub koom haum txog yam xav tau ntawm huab cua, pab nrhiav tswv yim pab kom huab cua huv, thiab pab nrhiav kev siv cov nyiaj txiag tshiab tau txais los pab kom huab cua huv.

Peb yuav muaj neeg pab txhais lus Hmoob thiab lus Spanish.

**Mus saib [www.valleyair.org/community](http://www.valleyair.org/community),  
email [AB617@valleyair.org](mailto:AB617@valleyair.org) los sis hu rau 559-230-6000.**

San Joaquin Valley Air Pollution Control District (Valley Air District) yog lub koom haum tswj huab cua rau yim lub counties hauv San Joaquin Valley, uas yog San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare, thiab ib feem ntawm Kern County.

**YOG XAV TAU TXAIS XOV XWM TSHIAB, MUS RAU:**

 /valleyair  @valleyair  @valleyairdistrict

**San Joaquin Valley Air Pollution Control District**  
1990 E Gettysburg Ave, Fresno, CA 93726  
[www.valleyair.org](http://www.valleyair.org) | 1-800-SMOG INFO



# AB 617

## Community Air Quality Investment and Improvement



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT

### **Kickoff Meeting Agenda - South Central Fresno November 1, 2018**

Vang Pao Elementary School  
4100 E. Heaton Ave., Fresno, CA 93702

- 6:00 PM **Welcoming Remarks**  
*Samir Sheikh, Executive Officer/Air Pollution Control Officer*
- 6:15 PM **AB 617 Background**  
*Sheraz Gill, Deputy Air Pollution Control Officer*  
» Existing regional and community level emission reduction efforts  
» AB 617 brings new resources for Community-focused effort
- 6:30 PM **AB 617 Implementation**  
*Dave Warner, Deputy Air Pollution Control Officer*  
» State Air Resources Board's selection of first-year communities  
» Air Quality Monitoring  
» Community Emissions Reduction Programs
- 6:45 PM **Emission Reduction Incentive Grants**  
*Brian Dodds, Strategies & Incentives Program Manager*  
» How incentives clean up the air  
» Programs for variety of grant projects  
» New resources available
- 7:00 PM **Community Steering Committees**  
*Jaime Holt, Chief Communications Officer*  
» Role of Steering Committee  
» Seeking participation
- 7:15 PM **Q&A**
- 7:30 PM *Visit poster areas for more information*  
» Community Air Monitoring  
» Funding Available  
» Steering Committee Applications

## Agenda de la Reunión de Lanzamiento - Centro-Sur Fresno 1 de noviembre de 2018

Vang Pao Elementary School  
4100 E. Heaton Ave., Fresno, CA 93702

- 6:00 PM **Bienvenida**  
*Samir Sheikh, Director Ejecutivo/Oficial de Control de Contaminación del Aire*
- 6:15 PM **Historial de AB 617**  
*Sheraz Gill, Director Adjunto de Control de Contaminación del Aire*  
» *Esfuerzos existentes de reducción de emisiones a nivel regional y comunitario*  
» *AB 617 trae nuevos recursos para esfuerzos centrados en la comunidad*
- 6:30 PM **Implementación de AB 617**  
*Dave Warner, Director Adjunto de Control de Contaminación del Aire*  
» *Selección de comunidades de primer año de la Junta de Recursos del Aire de California*  
» *Monitoreo de la calidad del aire*  
» *Programas de reducción de emisiones de la comunidad*
- 6:45 PM **Subvenciones para la Reducción de Emisiones**  
*Brian Dodds, Gerente del Programa de Estrategias e Incentivos*  
» *Cómo los incentivos limpian el aire*  
» *Programas para variedad de proyectos de incentivos*  
» *Nuevos recursos disponibles*
- 7:00 PM **Comités Directivos Comunitarios**  
*Jaime Holt, Director de Comunicaciones*  
» *Papel del Comité Directivo*  
» *Buscando la participación*
- 7:15 PM **Preguntas y Respuestas**
- 7:30 PM *Visita la área de carteles para más información*  
» *Monitoreo de la calidad del aire comunitario*  
» *Fondos disponibles*  
» *Solicitudes para el Comité Directivo*



### Cov Lus Yuav Tham Txog – Nyob Hauv Nruab Nrab Qab Zog Fresno Kaum Ib Hlis Ntuj Tim 1

Vang Pao Elementary School  
4100 E. Heaton Ave., Fresno, CA 93702

6:00 PM **Lus Txais Tos**

*Samir Sheikh, Director Ejecutivo/Oficial de Control de Contaminación del Aire*

6:15 PM **Qhia Txog Txoj Cai AB 617**

*Sheraz Gill, Director Adjunto de Control de Contaminación del Aire*  
» Kev pab kom huab cua huv hauv lub hav San Joaquin thiab cov zej zog  
» AB 617 yuav muaj ntau yam tshiab los pab huab cua hauv zej zog

6:30 PM **Yam Tsiab Yuav Tshwm Sim Los Ntawm AB 617**

*Dave Warner, Director Adjunto de Control de Contaminación del Aire*  
» Cov zej zog lub koom haum California Air Resources Board xaiv tau rau  
thawj xyoo  
» Kev saib xyuas seb huab cua huv npau li cas  
» Kev pab huab cua kom huv hauv zej zog

6:45 PM **Nyiaj Txiag Los Pab Kom Huab Cua**

*Brian Dodds, Gerente del Programa de Estrategias e Incentivos*  
» Nyiaj txiag yuav pab tau li cas kom huab cua huv  
» Muaj ntau yam kev siv nyiaj txiag los pab kom huab cua huv  
» Muaj nyiaj txiag tshiab los pab

7:00 PM **Pawg Thawj Saib Xyuas Hauv Zej Zog**

*Jaime Holt, Director de Comunicaciones*  
» Txoj hauj lwm ntawm pawg thawj saib xyuas  
» Xav yos neeg los ua ib tug ntawm pawg thawj saib xyuas

7:15 PM **Lub Nug thiab Lus Teb**

7:30 PM *Yog xav paub ntxiv, mus saib cov chaws dai ntawb ntawv*  
» Kev saib xyua huab cua ntawm zej zog  
» Muaj nyiaj txiag pab  
» Ntawb ntawv cuv yog xav ua ib tug ntawm pawg thawj saib xyuas



## **Agenda for AB 617 Community Steering Committee Meeting** **December 13, 2018 - Sequoia Middle School**

1. Doors Open/Meet and Greet/Refreshments 5:30 p.m.
2. Welcome 6:00 p.m.  
*Samir Sheikh, Executive Director/Air Pollution Control Officer*
3. Steering Committee Facilitator and Member Introductions 6:05 p.m.  
*Dave Warner, Deputy Air Pollution Control Officer*  
*Jessica Luternauer, Facilitator*
4. What can AB 617 do for your Community? 6:15 p.m.
  - a. AB 617 Goals 6:25 p.m.  
*Sheraz Gill, Deputy Air Pollution Control Officer*
  - b. Community Incentive Efforts and Opportunities  
*Brian Dodds, Strategies and Incentives Program Manager*
5. Steering Committee Air Quality Interests and Concerns 6:30 p.m.
  - a. Start Living List on Easel  
*Jessica Luternauer, Facilitator*
6. Steering Committee Charter 7:00 p.m.  
*Dave Warner, Deputy Air Pollution Control Officer*  
*Jessica Luternauer, Facilitator*
7. Topics for Next Meeting 7:20 p.m.  
*Jessica Luternauer, Facilitator*
8. Public Comment 7:30 p.m.



## **Agenda para la Reunión del Comité Directivo Comunitario AB 617**

### **13 de diciembre de 2018 - Escuela Secundaria de Sequoia**

- |   |           |
|---|-----------|
| 1. Puertas Abren/Dar la Bienvenida/Refrescos  | 5:30 p.m. |
| 2. Bienvenidos<br><i>Samir Sheikh, Director Ejecutivo/Oficial de Control de Contaminación del Aire</i>  | 6:00 p.m. |
| 3. Presentación de Miembros y Facilitador del Comité Directivo<br><i>Dave Warner, Oficial Adjunto de Control de Contaminación del Aire</i><br><i>Jessica Luternauer, Facilitadora</i> | 6:05 p.m. |
| 4. ¿Qué puede hacer AB 617 para su Comunidad?   |           |
| a. Metas de AB 617<br><i>Sheraz Gill, Oficial Adjunto de Control de Contaminación del Aire</i>  | 6:15 p.m. |
| b. Esfuerzos y oportunidades de incentivos para la comunidad<br><i>Brian Dodds, Gerente del Programa de Estrategias e Incentivos</i>  | 6:25 p.m. |
| 5. Intereses y Preocupaciones de la Calidad del Aire del Comité Directivo   | 6:30 p.m. |
| a. Comenzar la Lista en el caballete<br><i>Jessica Luternauer, Facilitadora</i>   |           |
| 6. Carta Estatutaria del Comité<br><i>Dave Warner, Oficial Adjunto de Control de Contaminación del Aire</i><br><i>Jessica Luternauer, Facilitadora</i>                                | 7:00 p.m. |
| 7. Temas para la Próxima Reunión<br><i>Jessica Luternauer, Facilitadora</i>   | 7:20 p.m. |
| 8. Comentario Público   | 7:30 p.m. |





## **Agenda for AB 617 Community Steering Committee - Meeting Number 2** **January 16, 2019 - Roosevelt High School Cafeteria**

**Please be ready to participate in meeting at 6 p.m. sharp!**

1. Doors Open/Meet and Greet/Refreshments 5:30 p.m.
2. Welcome 6 p.m.  
*Dave Warner, Deputy Air Pollution Control Officer*  
*Jessica Luternauer, Facilitator*
3. Community Boundary Discussion 6:10 p.m.  
*Dave Warner, Deputy Air Pollution Control Officer*
4. Steering Committee Charter 6:30 p.m.  
*Dave Warner, Deputy Air Pollution Control Officer*
5. Community Emission Sources 7 p.m.  
*Brian Clements, Manager of Technical Services, Air District*
  - a. Overview
  - b. Stationary Sources (regulated by District)
  - c. Mobile Sources (regulated by state and federal governments)
  - d. Area Sources (limited/shared regulatory responsibility)
6. Topics for Next Meeting 7:40 p.m.  
*Jessica Luternauer, Facilitator*
7. Public Comment 7:45 p.m.  
*Jessica Luternauer, Facilitator*



## **Agenda para la Reunión del Comité Directivo Comunitario AB 617 - Reunión Número 2** **16 de enero de 2019 – Cafetería de Roosevelt High School**

**Por favor, esté listo para participar en la reunión ¡a las 6 p.m. en punto!**

1. Puertas Abren/ Dar la Bienvenida/ Refrescos 5:30 p.m.
2. Bienvenida 6 p.m.  
*Dave Warner, Oficial Adjunto de Control de Contaminación del Aire*  
*Jessica Luternauer, Facilitadora*
3. Discusión sobre los Límites de la Comunidad 6:10 p.m.  
*Dave Warner, Oficial Adjunto de Control de Contaminación del Aire*
4. Carta Estatutaria del Comité Directivo 6:30 p.m.  
*Dave Warner, Oficial Adjunto de Control de Contaminación del Aire*
5. Fuentes de Emisiones de la Comunidad 7 p.m.  
*Brian Clements, Gerente de Servicios Técnicos, Distrito del Aire*
  - a. Visión general
  - b. Fuentes Estacionarias (reguladas por el Distrito)
  - c. Fuentes Móviles (reguladas por gobiernos estatales y federales)
  - d. Fuentes de Área (responsabilidad regulatoria limitada/compartida)
6. Temas para la Próxima Reunión 7:40 p.m.  
*Jessica Luternauer, Facilitadora*
7. Comentario Público 7:45 p.m.  
*Jessica Luternauer, Facilitadora*



## **Agenda for South Central Fresno Community Steering Committee Meeting #3**

February 13, 2019 – Boys and Girls Club of Fresno County  
540 N Augusta St, Fresno, CA 93701

**Please be ready to participate in meeting at 6 p.m. sharp!**

1. Doors Open/Meet and Greet/Refreshments 5:30 p.m.
2. Welcome 6 p.m.  
*Jessica Luternauer, Facilitator*
3. AB 617 Committee Deadlines/Calendar Review 6:10 p.m.  
*Jessica Luternauer, Facilitator*
4. Charter Review 6:30 p.m.  
*Jessica Luternauer, Facilitator*
5. Community Boundary Discussion 6:45 p.m.  
*Dave Warner, Deputy Air Pollution Control Officer*
6. Community Emissions Sources 7 p.m.  
*Brian Clements, Manager of Technical Services, Air District*
  - a. Overview
  - b. Stationary Sources (regulated by District)
  - c. Mobile Sources (regulated by state and federal governments)
  - d. Area Sources (limited/shared regulatory responsibility)
7. Topics for Next Meeting 7:40 p.m.  
*Jessica Luternauer, Facilitator*
8. Public Comment 7:45 p.m.  
*Jessica Luternauer, Facilitator*



## **Agenda para el Comité Directivo Comunitario de Centro-Sur Fresno Reunión #3**

13 de febrero de 2019, Boys and Girls Club del Condado de Fresno  
540 N Augusta St, Fresno, CA 93701

**Por favor, esté listo para participar en la reunión ¡a las 6 p.m. en punto!**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:30 p.m.
2. Bienvenida 6 p.m.  
*Jessica Luternauer, Facilitadora*
3. Fechas Límite del Comité de AB 617/Revisión del Calendario 6:10 p.m.  
*Jessica Luternauer, Facilitadora*
4. Revisión de la Carta Estatutaria 6:30 p.m.  
*Jessica Luternauer, Facilitadora*
5. Discusión sobre los Límites de la Comunidad 6:45 p.m.  
*Dave Warner, Oficial Adjunto de Control de Contaminación del Aire*
6. Fuentes de Emisiones de la Comunidad 7 p.m.  
*Brian Clements, Gerente de Servicios Técnicos, Distrito del Aire*
  - a. *Visión general*
  - b. *Fuentes Estacionarias (reguladas por el Distrito)*
  - c. *Fuentes Móviles (reguladas por gobiernos estatales y federales)*
  - d. *Fuentes de Área (responsabilidad regulatoria limitada/compartida)*
7. Temas para la Próxima Reunión 7:40 p.m.  
*Jessica Luternauer, Facilitadora*
8. Comentario Público 7:45 p.m.  
*Jessica Luternauer, Facilitadora*



## **Agenda for South Central Fresno Community Steering Committee – Meeting #4**

March 13, 2019 – East Fresno Boys and Girls Club  
1621 S Cedar Ave, Fresno, CA 93702

**Please be ready to participate in meeting at 6 p.m. sharp!**

1. Doors Open/Meet and Greet/Refreshments 5:30 p.m.
2. Welcome 6:00 p.m.  
*Jessica Luternauer, Facilitator*
3. Community Boundary 6:10 p.m.  
*District Staff*
4. Development of South Central Fresno Air Quality Monitoring Plan 6:40 p.m.  
*Jon Klassen, Director of Strategies and Incentives*
5. Committee Input on Community Air Monitoring Needs 7:10 p.m.  
*Jessica Luternauer, Facilitator*
6. Topics for Next Meeting 7:40 p.m.  
*Jessica Luternauer, Facilitator*
7. Public Comment 7:45 p.m.  
*Jessica Luternauer, Facilitator*





## **Agenda para el Comité Directivo Comunitario de Centro-Sur Fresno – Reunión #4**

13 de marzo de 2019 – East Fresno Boys and Girls Club  
1621 S Cedar Ave, Fresno, CA 93702

**Por favor, esté listo para participar en la reunión ¡a las 6 p.m. en punto!**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:30 p.m.
2. Bienvenida 6:00 p.m.  
*Jessica Luternauer, Facilitador*
3. Límites de la Comunidad 6:10 p.m.  
*Personal del Distrito*
4. Desarrollo del Plan de Monitoreo del Aire de Centro-Sur Fresno 6:40 p.m.  
*Jon Klassen, Director de Estrategias e Incentivos*
5. Aporte del Comité sobre las Necesidades de Monitoreo del Aire de la Comunidad 7:10 p.m.  
*Jessica Luternauer, Facilitador*
6. Temas para la Próxima Reunión 7:40 p.m.  
*Jessica Luternauer, Facilitador*
7. Comentario Público 7:45 p.m.  
*Jessica Luternauer, Facilitador*



## **Agenda for South Central Fresno Community Steering Committee – Meeting #5**

April 10, 2019 – East Fresno Boys and Girls Club  
1621 S Cedar Ave, Fresno, CA 93702

**Please be ready to participate in meeting at 5:30 p.m. sharp!**

### **Meeting Goals:**

- Feedback on the Community Air Monitoring Plan development
- Discuss ongoing Technical Assessment
  - Emissions inventory maps
  - CARB mobile and area source inventory efforts
- Feedback on proposed Community Emissions Reduction Program outline

### **Agenda:**

1. Doors Open/Meet and Greet/Refreshments 5:00 p.m.
2. Welcome and Brief Review 5:30 p.m.
  - *Jessica Luternauer, Facilitator*
    - Review of meeting goals
    - Final boundary overview
    - New Steering Committee member recruitment and catch-up plan
3. Community Air Monitoring Plan Development 5:50 p.m.
  - a. Introduction: Jon Klassen, Program Director of Strategies and Incentives
  - b. Group Exercise: Monitoring Plan Feedback - Jessica Luternauer, Facilitator
4. Continuing Technical Assessment Update 6:20 p.m.
  - a. New facility information maps: Brian Clements, Program Manager
  - b. CARB update on mobile and area source inventories: CARB Staff
5. Draft CERP Outline Review 6:50 p.m.
  - a. CERP Outline Overview: Jessica Coria, Senior Air Quality Specialist
  - b. Group Exercise: CERP Feedback - Jessica Luternauer, Facilitator
6. Wrap-up and Next Steps 7:20 p.m.
  - *Jessica Luternauer, Facilitator*
    - Meeting takeaways and next steps
    - Next regular Steering Committee meeting: May 8, 2019
7. Public Comment 7:30 p.m.

**Learn more: [community.valleyair.org](http://community.valleyair.org)**



## **Agenda para Comité Directivo Comunitario de Centro-Sur Fresno – Reunión #5**

10 de abril de 2019 – East Fresno Boys and Girls Club  
1621 S Cedar Ave, Fresno, CA 93702

**Por favor, esté listo para participar en la reunión ¡a las 5:30 p.m. en punto!**

### **Objetivos de la Reunión:**

- Comentarios sobre el desarrollo del Plan de Monitoreo del Aire de la Comunidad
- Discutir la Evaluación Técnica continua
  - Mapas de Inventario de Emisiones
  - Esfuerzos de inventario de fuentes móviles y de área de CARB
- Comentarios sobre el borrador del esquema del Programa de Reducción de Emisiones de la Comunidad

### **Agenda:**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:00 p.m.
2. Bienvenida e Introducciones 5:30 p.m.  
*Jessica Luternauer, Facilitador*
  - Repaso de objetivos de la reunión
  - Resumen de los límites finales
  - Nuevo reclutamiento de miembros para el Comité Directivo y plan de actualización
3. Desarrollo del Plan de Monitoreo del Aire de la Comunidad 5:50 p.m.
  - a. Presentación: Jon Klassen, Director de Programas de Estrategias e Incentivos
  - b. Ejercicio en Grupo: Comentarios sobre el Plan de Monitoreo - Jessica Luternauer, Facilitador
4. Actualización de la Evaluación Técnica Continua 6:20 p.m.
  - a. Nuevos Mapas con información de instalaciones: Brian Clements, Gerente de Servicios Técnicos
  - b. Actualización de CARB sobre inventarios de fuentes móviles y de área: Personal de CARB
5. Repaso del Borrador del Esquema del CERP 6:50 p.m.
  - a. Repaso del Esquema del CERP: Jessica Coria, Especialista en Calidad del Aire
  - b. Ejercicio en Grupo: Comentarios sobre el CERP - Jessica Luternauer, Facilitador
6. Conclusión y Próximos Pasos 7:20 p.m.  
*Jessica Luternauer, Facilitador*
  - Moraleja de la reunión y próximos pasos
  - Próxima reunión regular del Comité Directivo: 8 de mayo de 2019
7. Comentario Público 7:30 p.m.

**Aprende más: [community.valleyair.org](http://community.valleyair.org)**



## **Agenda for South Central Fresno Community Air Monitoring Subcommittee Meeting**

May 1, 2019 – District's Fresno Office  
1990 E. Gettysburg Ave., Fresno, CA 93726

### **Agenda:**

1. Doors Open/Meet and Greet/Refreshments 5:00 p.m.
2. Welcome and Brief Review 5:30 p.m.  
*Jessica Luternauer, Facilitator*
  - Review of meeting goals
3. Community Air Monitoring in South Central Fresno 5:40 p.m.
  - a. Update on Designing Community Air Monitoring Network  
*Jon Klassen, Director of Strategies and Incentives*
  - b. Introduction of Subcommittee Exercise  
*Jessica Olsen, Program Manager*
4. Subcommittee Exercise 6:15 p.m.
  - a. Group Discussions  
*Subcommittee Members*
  - b. Individual Exercise  
*Subcommittee Members*
  - c. Summary of Results  
*Jessica Luternauer, Facilitator*
5. Subcommittee Discussion of Results 7:00 p.m.
  - a. Discussion of Exercise Results  
*Subcommittee Members*
  - b. Formation of Recommendation for Full Steering Committee  
*Jessica Luternauer, Facilitator*
  - c. Subcommittee Volunteers for Presenting Recommendations at Next Steering Committee Meeting  
*Jessica Luternauer, Facilitator*  
*Subcommittee Members*
6. Wrap-up and Next Steps 7:25 p.m.  
*Jessica Luternauer, Facilitator*
  - Meeting takeaways and next steps
  - Next Regular Steering Committee meeting: May 8, 2019
7. Adjourn 7:30 p.m.



## **Agenda para la Reunión del Subcomité para el Monitoreo del Aire de la Comunidad de Centro-Sur Fresno**

1 de mayo de 2019 – Oficina del Distrito en Fresno  
1990 E. Gettysburg Ave., Fresno, CA 93726

### **Agenda:**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:00 p.m.
2. Bienvenida y Breve Repaso 5:30 p.m.  
*Jessica Luternauer, Facilitadora*
  - Repaso de objetivos de la reunión
3. Monitoreo del Aire de la Comunidad en Centro-Sur Fresno 5:40 p.m.
  - a. Actualización sobre el Diseño de la Red de Monitoreo del Aire Comunitario  
*Jon Klassen, Director de Programas de Estrategias e Incentivos*
  - b. Introducción del Ejercicio del Subcomité  
*Jessica Olsen, Gerente de Programas*
4. Ejercicio para el Subcomité 6:15 p.m.
  - a. Discusiones en Grupo  
*Miembros del Subcomité*
  - b. Ejercicio Individual  
*Miembros del Subcomité*
  - c. Resumen de Resultados  
*Jessica Luternauer, Facilitadora*
5. Discusión de los Resultados del Subcomité 7:00 p.m.
  - a. Discusión de los Resultados del Ejercicio  
*Miembros del Subcomité*
  - b. Formación de la Recomendación para el Comité Directivo Completo  
*Jessica Luternauer, Facilitadora*
  - c. Voluntarios del Subcomité para Presentar Recomendaciones en la Próxima Reunión del Comité Directivo  
*Jessica Luternauer, Facilitadora*  
*Miembros del Subcomité*
6. Concluir y Próximos Pasos 7:25 p.m.  
*Jessica Luternauer, Facilitadora*
  - Puntos importantes y próximos pasos
  - Próxima reunión regular del Comité Directivo: 8 de mayo de 2019
7. Conclusión 7:30 p.m.

**Aprende más: [community.valleyair.org](http://community.valleyair.org)**





## **Agenda for South Central Fresno Community Steering Committee – Meeting #6**

May 8, 2019 – East Fresno Boys and Girls Club  
1621 S Cedar Ave, Fresno, CA 93702

### **Agenda:**

1. Doors Open/Meet and Greet/Refreshments 5:00 p.m.
2. Welcome and Brief Review 5:30 p.m.  
*Jessica Luternauer, Facilitator*
  - Review of meeting goals
  - Discuss additional Steering Committee meetings
3. Health Effects of Air Contaminants 5:40 p.m.  
*Office of Environmental Health Hazard Assessment*
4. Continuing Technical Assessment Update 6:10 p.m.  
Update on Inventory of Emission Sources (Stationary, Mobile, and Area)  
*Brian Clements, Manager of Technical Services, and  
Alejandra Cervantes, CARB*
5. Control of Emissions for Regulated Sources 6:30 p.m.  
*Brian Clements, Manager of Technical Services, and  
Brian Moore, Office of Community Air Protection, CARB*
6. Community Air Monitoring Plan Development 7:00 p.m.
  - a. Report from Community Air Monitoring Subcommittee Meeting  
*Subcommittee Members*
  - b. Discussion of Monitoring Locations  
*Jessica Luternauer, Facilitator*
7. Wrap-up and Next Steps 7:20 p.m.  
*Jessica Luternauer, Facilitator*
  - Meeting takeaways and next steps
  - Need for Additional Meeting for CERP Development
    - Date Preference? May 22 or May 30
  - Next Regular Steering Committee meeting: June 12, 2019
8. Public Comment 7:30 p.m.
9. Adjourn 7:45 p.m.

Learn more: [community.valleyair.org](http://community.valleyair.org)



## **Agenda para Comité Directivo Comunitario de Centro-Sur Fresno – Reunión #6**

8 de mayo de 2019 – East Fresno Boys and Girls Club  
1621 S Cedar Ave, Fresno, CA 93702

### **Agenda:**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:00 p.m.
2. Bienvenida y Breve Repaso 5:30 p.m.  
*Jessica Luternauer, Facilitadora*
  - Repaso de objetivos de la reunión
  - Hablar de reuniones adicionales del Comité Directivo
3. Efectos a la Salud por los Contaminantes al Aire 5:40 p.m.  
*Oficina de Evaluación de Riesgos a la Salud Ambiental*
4. Continuar la Actualización de la Evaluación Técnica 6:10 p.m.  
Actualización del Inventario de Fuentes de Emisión (Estacionario, Móvil, y de Área)  
*Brian Clements, Gerente de Servicios Técnicos, y*  
*Alejandra Cervantes, CARB*
5. Control de Emisiones para Fuentes Reguladas 6:30 p.m.  
*Brian Clements, Gerente de Servicios Técnicos, y*  
*Brian Moore, Oficina de Protección del Aire de la Comunidad, CARB*
6. Desarrollo del Plan de Monitoreo del Aire de la Comunidad 7:00 p.m.
  - a. Informe de la Reunión del Subcomité de Monitoreo del Aire de la Comunidad  
*Miembros del Subcomité*
  - b. Discusión de Ubicaciones de Monitoreo  
*Jessica Luternauer, Facilitadora*
7. Concluir y Próximos Pasos 7:20 p.m.  
*Jessica Luternauer, Facilitadora*
  - Puntos importantes de la reunión y próximos pasos
  - Necesidad de Reunión Adicional para el Desarrollo del CERP
    - Fecha de Preferencia? 22 de mayo o 30 de mayo
  - Próxima Reunión del Comité Directivo Regular: 12 de junio de 2019
8. Comentario Público 7:30 p.m.
9. Conclusión 7:45 p.m.

**Aprende más: [community.valleyair.org](http://community.valleyair.org)**



## **Agenda for South Central Fresno Community Steering Committee – Meeting #7**

May 30, 2019 – Vang Pao Elementary School Cafeteria  
4100 E. Heaton Ave., Fresno, CA 93702

### **Agenda:**

1. Doors Open/Meet and Greet/Refreshments 5:00 p.m.
2. Welcome and Brief Review of Meeting Goals 5:30 p.m.  
*Jessica Luternauer, Facilitator*
3. CERP Development Process and Schedule through September 5:40 p.m.  
*Jessica Coria, Senior Air Quality Specialist, District*
4. Committee CERP Exercise: Identifying Source Types of Concern 6:00 p.m.  
*Jessica Luternauer, Facilitator*  
*District Staff*  
*Steering Committee Members*
5. Wrap-up and Next Steps 7:00 p.m.  
*Jessica Luternauer, Facilitator*
  - Meeting takeaways and next steps
  - Monitoring Subcommittee Meeting: June 5, 2019
  - Next Regular Steering Committee meeting: June 12, 2019
6. Public Comment 7:15 p.m.
7. Adjourn 7:30 p.m.

Learn more: [community.valleyair.org](http://community.valleyair.org)



**Agenda para Comité Directivo Comunitario de Centro-Sur Fresno – Reunión #7**  
30 de mayo de 2019 – Cafetería de La Escuela Vang Pao Elementary  
4100 E. Heaton Ave., Fresno, CA 93702

**Agenda:**

- |  |           |
|--|-----------|
| 1. Puertas abren/Dar la Bienvenida/Refrescos   | 5:00 p.m. |
| 2. Bienvenida y Breve Repaso de los Objetivos de la Reunión<br><i>Jessica Luternauer, Facilitadora</i>   | 5:30 p.m. |
| 3. Proceso y Plan del Desarrollo del CERP hasta Septiembre<br><i>Jessica Coria, Especialista en Calidad del Aire, Distrito</i>   | 5:40 p.m. |
| 4. Ejercicio del CERP para el Comité:<br>Identificando los Tipos de Fuentes de Preocupación<br><i>Jessica Luternauer, Facilitadora</i><br><i>Personal del Distrito</i><br><i>Miembros del Comité Directivo</i>   | 6:00 p.m. |
| 5. Concluir y Próximos Pasos<br><i>Jessica Luternauer, Facilitadora</i> <ul style="list-style-type: none"><li>• Puntos importantes de la reunión y próximos pasos</li><li>• Reunión del Subcomité de Monitoreo: 5 de junio de 2019</li><li>• Próxima Reunión del Comité Directivo Regular: 12 de junio de 2019</li></ul> | 7:00 p.m. |
| 6. Comentario Público  | 7:15 p.m. |
| 7. Conclusión  | 7:30 p.m. |

**Aprende más: [community.valleyair.org](http://community.valleyair.org)**



## **Agenda for South Central Fresno Community Steering Committee – Meeting #8**

June 12, 2019 – Vang Pao Elementary School Cafeteria  
4100 E. Heaton Ave., Fresno, CA 93702

### **Agenda:**

1. Doors Open/Meet and Greet/Refreshments 5:00 p.m.
2. Welcome and Brief Review of Meeting Goals 5:30 p.m.  
*Jessica Luternauer, Facilitator*
3. Community Air Monitoring Plan Development 5:40 p.m.
  - a. Report on Air Monitoring Subcommittee Meeting and Committee Recommendations on Air Monitoring Network Design  
*Jessica Luternauer, Facilitator*  
*District Staff*  
*Steering Committee Members*
4. CERP Development Process and Draft Strategies 6:15 p.m.  
*Jessica Coria, Senior Air Quality Specialist, District*
5. World Café: Potential Strategies to Control Emissions 6:30 p.m.  
*Jessica Luternauer, Facilitator*  
*District/CARB Staff*  
*Steering Committee Members*
6. Wrap-up and Next Steps 7:30 p.m.  
*Jessica Luternauer, Facilitator*
  - Meeting takeaways and next steps
  - Additional Meetings for CERP Development:
    - June 26
    - July 10
    - July 24
7. Public Comment 7:45 p.m.
8. Adjourn 8:00 p.m.

**Learn more: [community.valleyair.org](http://community.valleyair.org)**



## **Agenda para Comité Directivo Comunitario de Centro-Sur Fresno – Reunión #8**

12 de junio de 2019 – Cafetería de la Escuela Primaria Vang Pao  
4100 E Heaton Ave., Fresno, CA 93702

### **Agenda:**

1. Puertas abren/Dar la Bienvenida/Refrescos 5:00 p.m.
2. Bienvenida y Breve Repaso de los Objetivos de la Reunión 5:30 p.m.  
*Jessica Lutemauer, Facilitadora*
3. Desarrollo del Plan de Monitoreo del Aire de la Comunidad 5:40 p.m.
  - a. Reporte de la Reunión del Subcomité de Monitoreo del Aire y Recomendaciones del Comité sobre el Diseño del Sistema de Monitoreo del Aire 5:40 p.m.  
*Jessica Lutemauer, Facilitadora*  
*Personal del Distrito*  
*Miembros del Comité Directivo*
4. Proceso del Desarrollo del CERP y Estrategias de Borrador 6:15 p.m.  
*Jessica Coria, Especialista en Calidad del Aire*
5. World Café: Estrategias Potenciales para Controlar Emisiones 6:30 p.m.  
*Jessica Lutemauer, Facilitadora*  
*Personal del Distrito/CARB*  
*Miembros del Comité Directivo*
6. Concluir y Próximos Pasos 7:30 p.m.  
*Jessica Lutemauer, Facilitadora*
  - Puntos importantes de la reunión y próximos pasos
  - Reuniones adicionales para el Desarrollo del CERP:
    - 26 de junio
    - 10 de julio
    - 24 de julio
7. Comentario Público 7:45 p.m.
8. Conclusión 8:00 p.m.

**Aprende más: [community.valleyair.org](http://community.valleyair.org)**




**Community Air Protection Program  
Annual Report  
San Joaquin Valley Air Pollution Control District  
Grant # G17-CAPP-26  
Report # 1**

Appendix B

**Examples of AB 617 Webpages**

# Landing Page



home

STAY INFORMED NEWS EVENTS FUNDING CONTACT

Valley Air **AB 617**

- AB 617 Home
- Funding for Disadvantaged Communities
- Community Identification
- Selected Communities
- Community Air Monitoring
- Community Emission Reduction Programs
- Emission Inventory & Reporting
- Best Available Retrofit Control Technology (BARCT)

## What is AB617?

Assembly Bill 617 (AB 617) requires the California Air Resources Board (CARB) and air districts to develop and implement additional emissions reporting, monitoring, reduction plans and measures in an effort to reduce air pollution exposure in disadvantaged communities. Given that 20 of the 30 most disadvantaged communities in California are in the San Joaquin Valley, this process is expected to bring additional clean air resources and strategies to many Valley communities.


The District actively participates with and is facilitating full engagement of all sectors within each of the San Joaquin Valley's disadvantaged communities through meaningful and effective implementation of AB 617. The following webpages provide a wealth of information regarding this process and ways all Valley residents can get involved.

## Steering Committee Meeting Schedule:

South Central Fresno - every second Wednesday of the month  
City of Shafter - every second Monday of the month

[MORE DETAILS](#)

## First Year Selected Communities



South Central Fresno and the City of Shafter are the first Valley communities selected by the California Air Resources Board for investment of additional resources under AB 617. The Valley Air District has established a steering committee for each of these communities, consisting of community residents, businesses, community advocates, and government representatives, to assist in the development and implementation of community air monitoring and emission reduction programs.

The Valley Air District welcomes and encourages your participation and input in this collaborative community-based effort. Learn more about AB 617 implementation by selecting a community below!

### Shafter Community

Learn more about this year-one AB 617 community

[COMMUNITY PAGE](#)

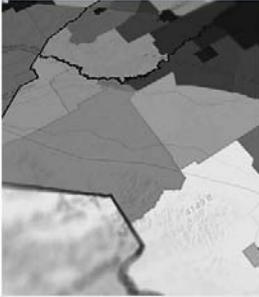
### South Central Fresno Community

Learn more about this year-one AB 617 community

[COMMUNITY PAGE](#)

## Implementation of Assembly Bill 617 in the San Joaquin Valley






District staff are working closely with community residents, community businesses, and other key stakeholders to reduce exposure to harmful air pollutants in selected communities. Through the implementation of this legislation, the District with input from the community will be deploying additional community-specific air quality monitoring to better understand the impacts of local sources of pollution and developing community-specific emission reduction programs. This collaborative, community-based effort will employ both proven and innovative strategies to improve community health by reducing exposure to toxic air pollutants and fine particulate matter.



For assistance or if you have any questions, please contact our central office: [\(559\) 230-6000](tel:5592306000)

Developed and maintained by

**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT

Follow us on:     

Related Resources

- Healthy Air Living
- Air Quality Forecast
- Check Before You Burn
- Wildfire Information

Tools

- Download the official App
- Drive Clean In the San Joaquin
- Real-time Air Advisory Network
- Web-based Archived Air Quality System

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# Navigation Categories

The screenshot shows the website's navigation menu with 'STAY INFORMED' selected. The main content area features a 'Stay informed' section with a sign-up for email notifications and buttons for 'English' and 'Español'. Below this, there are two columns of text: one about disadvantaged communities and another about 'Monday of the month' with a 'MORE DETAILS' button.

The screenshot shows the website's navigation menu with 'EVENTS' selected. The main content area features an 'Events' section with a paragraph about public engagement and a 'See all AB 617 Related Events' button. To the right, there are two columns: 'Upcoming Events' listing 'Shafter Community Steering Committee Meeting' and 'South Central Fresno Community Steering Committee Meeting', and 'Regular District Meetings' listing 'Governing Board', 'Citizens Advisory Committee', 'Environmental Justice Advisory Group', and 'Study Agency'. A 'Related Workshops' section lists 'Valley Air District Workshops', 'PM 2.5 Plan', and 'CARB AB 617 Meetings and Events'.

The screenshot shows the website's navigation menu with 'FUNDING' selected. The main content area features a 'Funding' section with a paragraph about AB 617 and Cap and Trade legislation, and a 'Read About AB 617 Funding' button. To the right, there is a 'Grants Program' section with a paragraph about an incentive-based grants program. At the bottom, there is a dark blue banner with the text 'Valley residents can get involved.'

# Events

**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT

home • events

STAY INFORMED NEWS EVENTS FUNDING CONTACT

Valley Air **AB 617**

- AB 617 Home
- Funding for Disadvantaged Communities
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- Community Air Monitoring
- Community Emission Reduction Programs
- Emission Inventory & Reporting
- Best Available Retrofit Control Technology (BARCT)

## Events

Engaging the public throughout the development and implementation of AB 617 will be paramount. The District plans to host a series of workshops, public meetings, and community forums to educate the public, yet more importantly, to solicit suggestions and feedback on a wide variety of issues, including allocation of funds, identifying communities for potential enhanced monitoring and action plan development.

### Upcoming Events

Agency:  
Valley Air District

Details:  
**Shafter Community Steering Committee Meeting #7**

- Monday, June 10, 2019
- 5:00pm: Check-In
- 5:30pm: Meeting
- Shafter Veteran's Hall  
309 California Ave, Shafter, CA 93263

Agenda:

ENGLISH ESPAÑOL

Agency:  
Valley Air District

Details:  
**South Central Fresno Steering Committee Meeting #8**

- Wednesday, June 12, 2019
- 5:00pm: Check-In
- 5:30pm: Meeting
- Vang Pao Elementary School  
4100 E. Heaton Ave., Fresno, CA 93702

Agenda:

ENGLISH ESPAÑOL

### Past Events

Agency:  
Valley Air District

Details:  
**South Central Fresno Steering Committee Meeting #7**

- Thursday, May 30, 2019
- 5:00pm: Check-In
- 5:30pm: Meeting
- Vang Pao Elementary School  
4100 E. Heaton Ave., Fresno, CA 93702

VIEW SUMMARY, ITEMS, AND MEDIA

Agency:  
Valley Air District

Details:  
**Shafter Community Steering Committee Meeting #6**

- Monday, May 13, 2019
- 5:00pm: Check-In
- 5:30pm: Meeting
- Shafter Veteran's Hall  
309 California Ave, Shafter, CA 93263

VIEW SUMMARY, ITEMS, AND MEDIA


Agency:  
Valley Air District

Details:  
**South Central Fresno Community Steering Committee Meeting #6**

- Wednesday, May 8, 2019
- 5:00pm: Check-In
- 5:30pm: Meeting
- East Fresno Boys and Girls Club  
1621 S. Cedar Avenue, Fresno, CA 93702

VIEW SUMMARY, ITEMS, AND MEDIA

# Selected Communities

home • selected communities

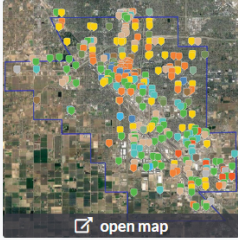
[Home Page](#)

[STAY INFORMED](#) [NEWS](#) [EVENTS](#) [FUNDING](#) [CONTACT](#)

Valley Air **AB 617**

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- Community Identification
- Selected Communities**
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- Community Emission Reduction Programs
- Emission Inventory & Reporting
- Best Available Retrofit Control Technology (BARCT)

## Selected Communities

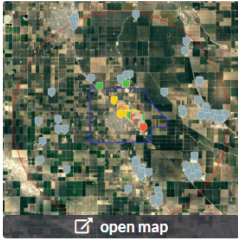


[open map](#)

### South Central Fresno:

The community of Fresno is the largest metropolitan area in the San Joaquin Valley, the fifth largest city in California, and is the largest inland city in California. The current estimated population for Fresno is over 530,000. A number of heavily trafficked freeways transverse through the City of Fresno, including highways 99, 41, 180, and 168, contributing a significant amount to the mobile source emissions in the community. In addition to the area-wide sources of pollution, the large population in the area also contributes to emissions from a variety of consumer products. The southwest portion of Fresno also includes a number of industrial sources of emissions. Specifically, South Central Fresno is a densely populated community within the City of Fresno, and is downwind of emissions from the northern portion of Fresno. This community also includes the major roadways of Highways 180 and 41, and their interchange. In addition, emissions reductions in this southern community of Fresno will improve air quality in other communities and cities downwind from the Fresno urban area. This defined community in Fresno also includes the disadvantaged areas of Calwa and Malaga.

[COMMUNITY PROFILE](#) [STEERING COMMITTEE MEETINGS](#)



[open map](#)


### Shafter:

As a rural area, Shafter will complement the urban area selection of Fresno to form a more balanced initial year of AB 617 implementation. The rural community of Shafter in Kern County has a current estimated population of over 19,000, and is influenced by rural sources of emissions, including the agricultural and oil and gas production industries. In addition, major roadways in the community include Highway 43 and the Lerdo Highway, both crossing directly through Shafter and contributing to mobile source emissions in the area. Locomotive emissions also influence the community as railroad tracks run parallel to Highway 43. Local area-wide sources such as gas stations, commercial cooking, and consumer products also contribute to the community's emissions levels. Due to this, the community emissions reduction plans that will be developed for all of the recommended selected areas in the Valley will include strategies that address both urban sources of emissions as well as rural sources that contribute to Shafter's air quality challenges.

[COMMUNITY PROFILE](#) [STEERING COMMITTEE MEETINGS](#)



# Selected Communities: South Central Fresno



San Joaquin Valley  
AIR POLLUTION CONTROL DISTRICT

Home Page

Valley Air **AB 617**

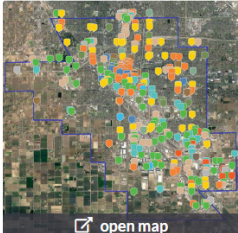
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home • selected communities • south central fresno

STAY INFORMED    NEWS    EVENTS    FUNDING    CONTACT

## South Central Fresno

Community Profile
Steering Committee Meetings
Steering Committee Documents
Air Monitoring



open map

BOUNDARY MAP

NEW

**Emission Sources and Sensitive Receptors**

May not work in older browsers  
(Ex: Internet Explorer)

**Emissions summaries for District permitted facilities within the South Central Fresno community boundary:**

- NOx -
- VOC -
- PM 2.5 -
- Air Toxics -

**Selected community profile:**

The community of Fresno is the largest metropolitan area in the San Joaquin Valley, the fifth largest city in California, and is the largest inland city in California. The current estimated population for Fresno is over 530,000. A number of heavily trafficked freeways transverse through the City of Fresno, including highways 99, 41, 180, and 168, contributing a significant amount to the mobile source emissions in the community. In addition to the area-wide sources of pollution, the large population in the area also contributes to emissions from a variety of consumer products. The southwest portion of Fresno also includes a number of industrial sources of emissions. Specifically, South Central Fresno is a densely populated community within the City of Fresno, and is downwind of emissions from the northern portion of Fresno. This community also includes the major roadways of Highways 180 and 41, and their interchange. In addition, emissions reductions in this southern community of Fresno will improve air quality in other communities and cities downwind from the Fresno urban area. This defined community in Fresno also includes the disadvantaged areas of Calwa and Malaga.

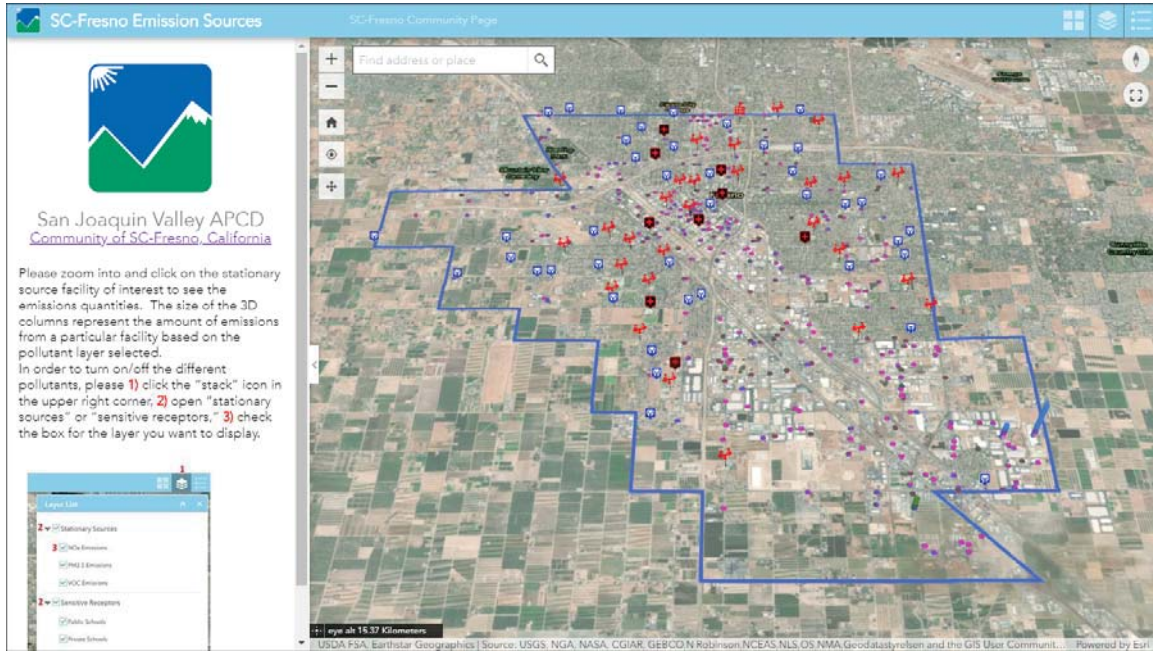
This community is geographically bounded by McKinley Avenue to the north, Chestnut Avenue to the east, American Avenue to the south, and includes the community of Malaga and its surrounding industrial area to the southeast. The western portion of the boundary ranges from Nielsen and Brawley Avenues in the northwest to Hwy 41 and American Avenue in the southwest, which incorporates residential and industrial communities along Hwy 99 and west of Hwy 41 such as the Industrial Triangle and parts of West Fresno. The South Central Fresno community also includes downtown Fresno, Chinatown, Roeding Park, and encompasses multiple hospitals, schools, small businesses, and densely populated residential areas. The total population in this South Central Fresno community is estimated to be around 130,000.

The South Central Fresno community is impacted across a number of health indicators, as summarized in the CalEnviroScreen tool. The South Central Fresno community includes high average percentiles among its census tracts within the majority of indicators, with many averages exceeding the 90th percentile for the state. Specifically, the average Overall CalEnviroScreen Score and Population Characteristics values are both above the 97th percentile. It should be noted that this community includes the census tract with the highest Population Characteristics score in the entire state, which represents a number of health and socioeconomic factors (asthma, cardiovascular disease, low birth weight, educational attainment, housing burdened low-income households, linguistic isolation, poverty, and unemployment). This community includes census tracts with health indicators that exceed the 97th percentile in a majority of the listed categories, clearly indicating that this community includes areas heavily impacted by environmental challenges.

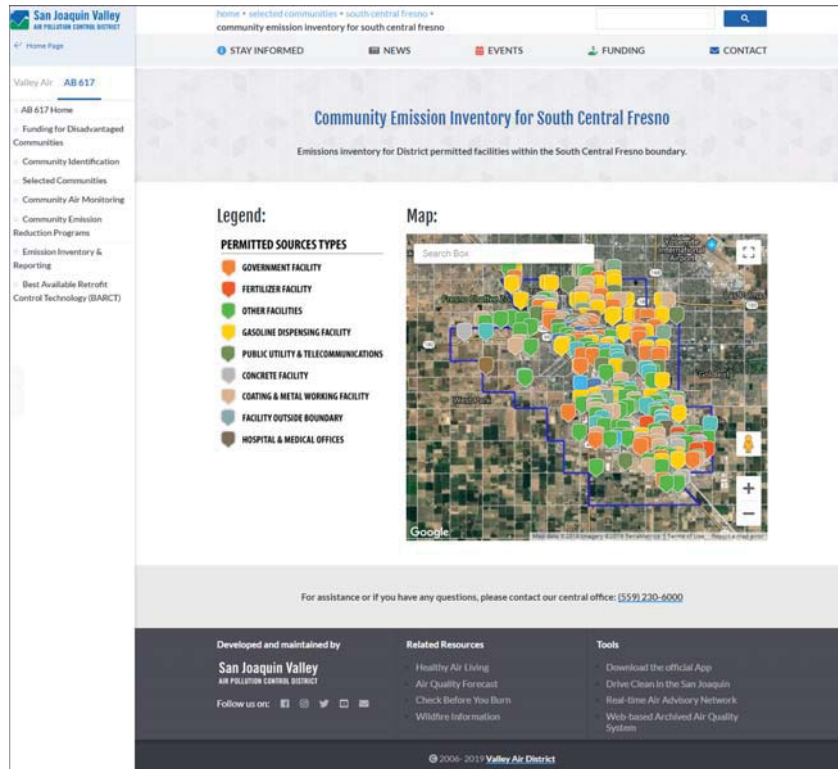


## Selected Communities: South Central Fresno Maps


### Emission Sources



### Emission Inventory



# Selected Communities: South Central Fresno Steering Committee Meetings



San Joaquin Valley  
AIR POLLUTION CONTROL DISTRICT


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home • selected communities • south central fresno • steering committee meetings

STAY INFORMED NEWS EVENTS FUNDING CONTACT



## South Central Fresno

Community Profile

Steering Committee Meetings

Steering Committee Documents

Air Monitoring

| Date  | Summary  | Items  | Media   |
|---|--|--|---|
| 06/12/2019<br>Steering Committee Meeting #8 |  | <ul style="list-style-type: none"> <li>📎 Agenda:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> </ul>   |   |
| 05/30/2019<br>Steering Committee Meeting #7 |  | <ul style="list-style-type: none"> <li>📎 Agenda:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 Presentations:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> </ul>  | <ul style="list-style-type: none"> <li>📺 Video:                             <div style="text-align: center; margin-top: 5px;"> <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">WATCH VIDEO RECORDING</span> </div> </li> </ul> |
| 05/08/2019<br>Steering Committee Meeting #6 |  | <ul style="list-style-type: none"> <li>📎 Agenda:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 OEHHA Presentation:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 CARB Presentations:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 CARB Handout:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 District Presentations:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> </ul> | <ul style="list-style-type: none"> <li>📺 Video:                             <div style="text-align: center; margin-top: 5px;"> <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">WATCH VIDEO RECORDING</span> </div> </li> </ul> |
| 04/10/2019<br>Steering Committee Meeting #5 | <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">SUMMARY DOCUMENT</span> | <ul style="list-style-type: none"> <li>📎 Agenda:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 CERP Outline:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 District Presentation:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 CARB Presentation:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> </ul>   | <ul style="list-style-type: none"> <li>📺 Video:                             <div style="text-align: center; margin-top: 5px;"> <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">WATCH VIDEO RECORDING</span> </div> </li> </ul> |
| 03/13/2019<br>Steering Committee Meeting #4 | <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">SUMMARY DOCUMENT</span> | <ul style="list-style-type: none"> <li>📎 Agenda:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 Presentation:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📎 Documents:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> </ul>  | <ul style="list-style-type: none"> <li>📺 Video:                             <div style="text-align: center; margin-top: 5px;"> <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">WATCH VIDEO RECORDING</span> </div> </li> </ul> |

# Selected Communities: Shafter Maps

San Joaquin Valley  
AIR POLLUTION CONTROL DISTRICT

home • selected communities • shafter • community emission inventory for shafter

STAY INFORMED NEWS EVENTS FUNDING CONTACT

Valley Air **AB 617**

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- Community Emission Reduction Programs
- Emission Inventory & Reporting
- Best Available Retrofit Control Technology (BARCT)

## Community Emission Inventory for Shafter

Emissions inventory for District permitted facilities within the Shafter boundary and within the 7-mile radius.

### Legend:

**PERMITTED SOURCES TYPES**

- GOVERNMENT FACILITY
- FERTILIZER FACILITY
- OTHER FACILITIES
- GASOLINE DISPENSING FACILITY
- PUBLIC UTILITY & TELECOMMUNICATIONS
- CONCRETE FACILITY
- COATING & METAL WORKING FACILITY
- FACILITY OUTSIDE BOUNDARY
- HOSPITAL & MEDICAL OFFICES

### Map:

For assistance or if you have any questions, please contact our central office: (559) 230-6000

Developed and maintained by  
**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT

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**Related Resources**


- Healthy Air Living
- Air Quality Forecast
- Check Before You Burn
- Wildfire Information

**Tools**

- Download the official App
- Drive Clean in the San Joaquin
- Real-time Air Advisory Network
- Web-based Archived Air Quality System

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# Selected Communities: Shafter Steering Committee Meetings



San Joaquin Valley  
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- Best Available Retrofit Control Technology (BARCT)

home • selected communities • shafter • steering committee meetings

STAY INFORMED NEWS EVENTS FUNDING CONTACT



Community Profile
Steering Committee Meetings
Steering Committee Documents
Air Monitoring

| Date       | Summary                       | Items  | Media   |
|------------|-------------------------------|--|---|
| 06/10/2019 | Steering Committee Meeting #7 | <ul style="list-style-type: none"> <li>📄 Agenda:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> </ul>   |   |
| 05/13/2019 | Steering Committee Meeting #6 | <ul style="list-style-type: none"> <li>📄 Agenda:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📄 OEHHA Presentation:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📄 CARB Presentations:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📄 CARB Handout:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📄 District Presentations:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> </ul> |   |
| 04/08/2019 | Steering Committee Meeting #5 | <ul style="list-style-type: none"> <li>📄 Agenda:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📄 CERP Outline:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📄 District Presentations:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📄 DPR Presentation:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📄 CARB Presentation:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> </ul>    | <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p>🎵 Audio:</p> <p style="text-align: center;">▶ 0:00 🔊</p> </div> |
| 03/11/2019 | Steering Committee Meeting #4 | <ul style="list-style-type: none"> <li>📄 Agenda:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> <li>📄 Presentation:                             <div style="display: flex; gap: 5px;"> <span>ENGLISH</span> <span>ESPAÑOL</span> </div> </li> </ul>   | <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p>🎵 Audio:</p> <p style="text-align: center;">▶ 0:00 🔊</p> </div> |



# Funding for Disadvantaged Communities

San Joaquin Valley  
AIR POLLUTION CONTROL DISTRICT

home • funding

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## Funding for Disadvantaged Communities

The District administers a comprehensive incentive-based [grant program](#) to reduce emissions throughout the San Joaquin Valley.

**Community Engagement**; AB 617 and the recent Cap and Trade extension legislation is expected to bring significant additional funds to the Valley to help reduce emissions and improve public health in disadvantaged communities. The goals of AB 617 further reinforce the District's mission to work in partnership with Valley communities to develop and implement Valley-centric solutions to its air quality challenges. The District will fully engage Valley residents and solicit their input to ensure that the expenditure of these funds reflects the needs and interests of Valley residents. **Keep checking here for the most up-to-date list and information on new AB 617 funding opportunities.**

### \$80 million to Achieve Early Reductions from Qualifying Projects Under Moyer and Proposition 1B

Examples of eligible project categories are as follows:

- Heavy-duty diesel agricultural equipment (tractor) replacement
- Medium and heavy-duty on-road truck replacement with zero/near-zero emission technology
- Heavy-duty emergency vehicle replacement with diesel or natural gas technology
- Agricultural irrigation pump replacement/electrification and associated infrastructure
- Agricultural zero-emission utility vehicle deployment/replacement
- Alternative fuel infrastructure (fueling stations)
- Locomotive (line-haul, short haul, switcher) replacement with cleaner diesel/hybrid/zero-emission technology
- Yard truck replacement with zero-emission technology
- Forklift/cargo handling equipment replacement with zero/near-zero emission technology
- School bus replacement with zero/near-zero emission technology

To meet the aggressive expenditure timelines under the state law and to ensure that the early benefits associated with AB 617 are realized, the District will utilize qualifying project applications and solicit additional applications for a wide variety of eligible, cost-effective project categories.

**PROJECTS CURRENTLY APPROVED FOR FUNDING**

The District is soliciting input from all Valley communities, organizations, businesses, and other interested stakeholders to assist in determining the types and locations for voluntary incentive project investment. Towards that end, the District is conducting a series of comprehensive Valley-wide workshops, community meetings and targeted outreach campaigns. The main focus of this effort is to ensure that these funds are spent in the areas that will achieve the greatest benefit to public health and further the District's mission of improving public health for all Valley residents.

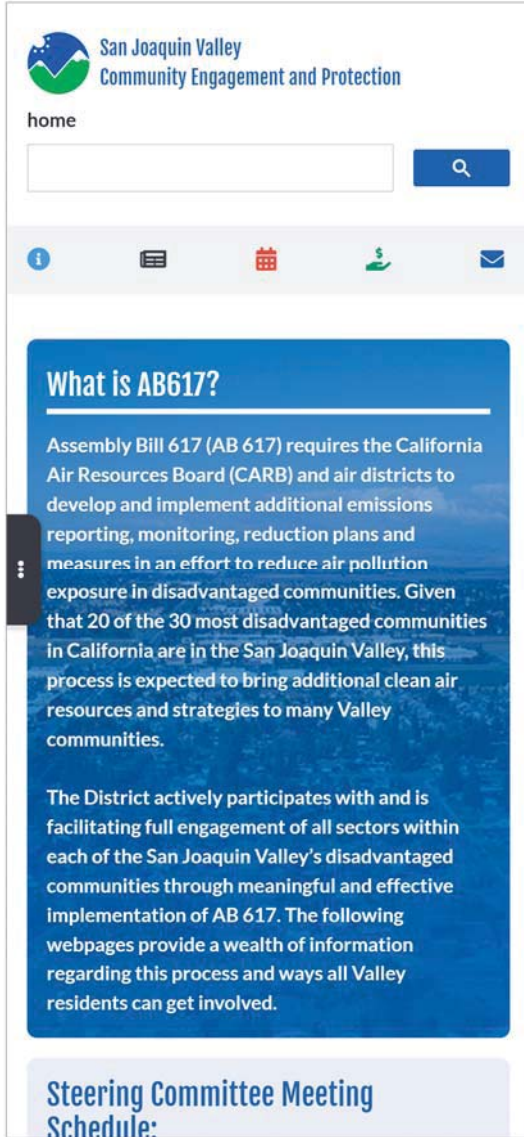
**IMPACTED COMMUNITIES AND INVESTMENT PRIORITIES**

These workshops will provide information on the types of projects available, process and prioritization for funding and the steps necessary to apply for funds. Most importantly, these workshops will provide an opportunity for Valley residents to provide ideas and input on the types of projects that they feel would be most beneficial for their communities.

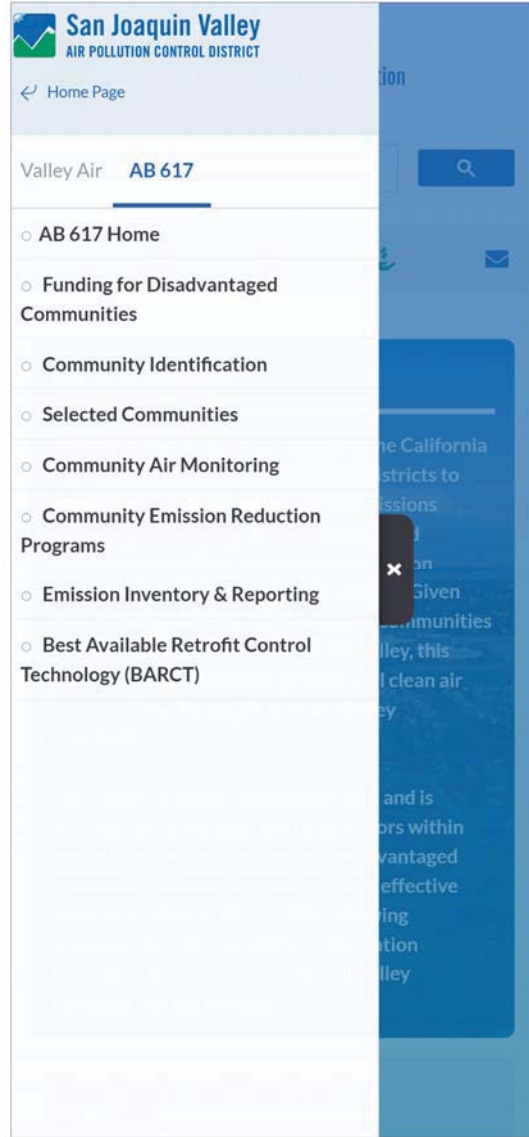
**LIST OF UPCOMING WORKSHOPS**

## Examples of Website on Mobile Devices

### Landing Page



### Side Navigation Open





## Examples of Website on Mobile Devices

### Steering Committee Meetings

06/12/2019  
**Steering Committee Meeting #8**

Items

📎 Agenda:

ENGLISH ESPAÑOL

05/30/2019  
**Steering Committee Meeting #7**

Items

📎 Agenda:

ENGLISH ESPAÑOL

📎 Presentations:

ENGLISH ESPAÑOL

Media

📺 Video:

WATCH VIDEO RECORDING

05/08/2019  
**Steering Committee Meeting #6**

Items

📎 Agenda:

ENGLISH ESPAÑOL

📎 OEHHA Presentation:

ENGLISH ESPAÑOL

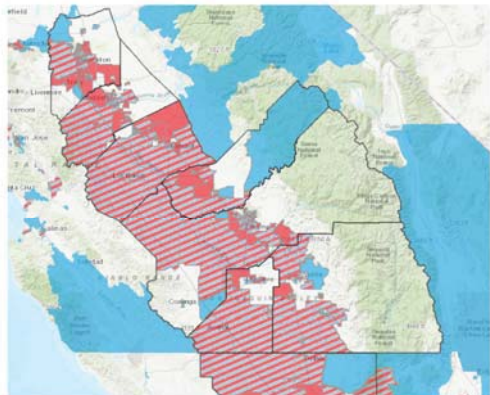
📎 CARB Presentations:

### Identification and Prioritization

**Impacted Communities and Investment Priorities**

The Valley Air District is seeking input from the public to help ensure that the new clean air funds are spent in areas that achieve the greatest benefit to public health and further the District's mission of improving public health for all Valley residents. To assist the public in identifying and prioritizing clean air projects for possible funding by the District, the following maps illustrate disadvantaged and impacted communities in the San Joaquin Valley as defined by the State's CalEnviroScreen tool.

**ARB's SB535 & AB1550 Combined Boundaries for Impacted Communities**



**Community Air Protection Program  
Annual Report  
San Joaquin Valley Air Pollution Control District  
Grant # G17-CAPP-26  
Report # 1**

Appendix C

**AB 617 Outreach and Public Education Events**

**AB 617 Public Transparency and Outreach Events  
San Joaquin Valley Air Pollution Control District**

| <b>Date</b>       | <b>Event</b>   | <b>City</b> | <b>Attendees</b> | <b># of Att's</b> | <b>Remote Viewing</b> |
|-------------------|--|-------------|------------------|-------------------|-----------------------|
| October 26, 2017  | Update on AB 617 presentation to Environmental Justice Advisory Group (EJAG)   |             |                  |                   |                       |
| December 21, 2017 | Presentation to Governing Board to Accept and Appropriate \$88,400,000 in Cap and Trade Funds from the California Air Resources Board to Implement Emission Reduction Incentive Projects in the San Joaquin Valley and Support the District's Implementation of AB 617 |             |                  |                   |                       |
| January 23, 2018  | Evs Made Easy - EV Business Fair at PG&E. Table with grant information   | Stockton    | Businesses       | 100               |                       |
| January 25, 2018  | Green Team Managers workshop, Business Fair and Workshop. Provided grant information.  | Stockton    | Businesses       | 80                |                       |
| January 26, 2018  | Presentation to California League of Food Processors on AB 617 in Modesto  | Modesto     |                  |                   |                       |
| January 31, 2018  | Distrit Permit Stakeholder Meeting AB 617 Update   |             |                  |                   |                       |
| February          | Valley Air Newsletter (VAN)  |             |                  |                   |                       |
| February 6, 2018  | AB 617 presentation to Citizen's Advisory Committee (CAC)  |             |                  |                   |                       |
| February 10, 2018 | Tune In Tune Up  | Madera      |                  |                   |                       |
| February 15, 2018 | Presentation to Leadership Fresno  | Fresno      |                  |                   |                       |
| February 15, 2018 | Presentation to District Gov Board to accept \$108,000,000 in New State Funding for Incentive Grants and Approve Appropriations for Staffing and Support Services and Equipment for Implementation of AB 617 Mandates  |             |                  |                   |                       |

|                   |   |             |   |     |  |
|-------------------|---|-------------|---|-----|--|
| February 20, 2018 | Joint ARB/District AB 617 Moyer Workshop                                      |             |   |     |  |
| February 21, 2018 | Presentation at Manufacturer's Council of Central Valley                      |             |   |     |  |
| February 22, 2018 | Presentation to Environmental Justice Advisory Group (EJAG) District offices  |             |   |     |  |
| February 25, 2018 | I Heart Media Interview (broadcast on five radio stations in the Valley)      |             |   |     |  |
| March 1, 2018     | AB 617 Workshop (grants and industry needs) District offices                  |             |   |     |  |
| March 6, 2018     | General AB617 Workshop District offices                                       |             |   |     |  |
| March 10, 2019    | Tune In Tune Up   | Merced      |   |     |  |
| March 14, 2018    | REXPO - Business Fair   | Stockton    | businesses & public agencies              | 250 |  |
| March 14, 2018    | Univision TV Morning show <i>Arriba Valle Central</i>                         |             |   |     |  |
| March 15, 2018    | Presentation to San Joaquin County Chronic Disease Task Force.                | Stockton    | health organizations                      | 30  |  |
| March 21, 2018    | Stanislaus Sustainable Communities Coalition. Community group meeting/updates | Modesto     | community group                           | 8   |  |
| April 3, 2018     | Community Resource Fair   | Fowler      |   |     |  |
| April 6, 2018     | Presentation to parents at Orville Wright Elementary School including grants  | Modesto     | parents - Disadvantaged Community members | 21  |  |
| April 6, 2018     | Univision TV Morning show <i>Arriba Valle Central</i>                         |             |   |     |  |
| April 7, 2018     | Tune In & Tune Up event   | Stockton    | Disadvantaged Community members           | 400 |  |
| April 11, 2018    | Kings County Behavioral Health - Hope Room                                    | Hanford     |   |     |  |
| April 12, 2018    | Community Resource Fair   | Orange Cove |   |     |  |
| April 17, 2018    | Health Plan of San Joaquin  | Stockton    |   |     |  |

|                |  |                   |                                 |     |  |
|----------------|--|-------------------|---------------------------------|-----|--|
| April 17, 2018 | Community Resource Fair                  | Mendota           |                                 |     |  |
| April 21, 2018 | Earth Day/Enviro fair                    | Modesto           | general public                  | 500 |  |
| April 22, 2018 | Earth Day/Enviro fair                    | Stockton          | general public                  | 600 |  |
| April 23, 2018 | Modesto Library                          | Modesto           |                                 |     |  |
| April 25, 2018 | Realtor meeting/Presentation             | Modesto           | Realtors                        | 65  |  |
| April 25, 2018 | Professional Development Center          | Visalia           |                                 |     |  |
| April 26, 2018 | Assembly of God Church                   | Merced            |                                 |     |  |
| April 28, 2018 | Earth, Science & Sustainability Fair.    | Patters           | general public                  | 200 |  |
| April 28, 2019 | Tune In Tune Up                          | Lemoore           |                                 |     |  |
| May 4, 2018    | David Head Center                        | Lamont            |                                 |     |  |
| May 9, 2018    |  |                   |                                 |     |  |
| May 5, 2018    | Mercy Family Festival - Health Fair      | Merced            | general public                  | 400 |  |
| May 9, 2018    | AB 617 Community Meeting                 | Stockton          | Disadvantaged Community members | 20  |  |
| May 10, 2018   | Madera Public Library                    | Madera            |                                 |     |  |
| May 16, 2018   | Bike To Work Day                         | Stockton          | cyclists/general public         | 30  |  |
| May 17, 2019   | CCAC SB 134 Air Quality Workshop         | Merced            | Disadvantaged Community members | 22  |  |
| May 17, 2018   | Bike To Work Day - Modesto               | Modesto           | cyclists                        | 200 |  |
| May 16, 2018   | Malaga Elementary                        | Fresno            |                                 |     |  |
| May 19, 2018   | Tune In & Tune Up event                  | Turlock           | Disadvantaged Community members | 400 |  |
| May 22, 2018   | CVOC SB 134 Air quality & Grant workshop | Modesto - Library | Disadvantaged Community members | 22  |  |
| May 24, 2018   | Bike to Work Day                         | Lodi              | cyclists and general public     | 40  |  |

|                    |  |          |                                      |     |  |
|--------------------|--|----------|--------------------------------------|-----|--|
| May 27, 2018       | I Heart Media Interview (broadcast on five Radio stations in the Valley) |          |                                      |     |  |
| June 25, 2018      | Fireworks Task Force Demonstration Media Event                           | Fresno   | Public, Media, Staff, City Officials | 30  |  |
| July 7, 2018       | Tune In & Tune Up Event  | Merced   | Disadvantaged Community members      | 425 |  |
| July 19, 2018      | Stanislaus Green Team  | Modesto  | business and community agencies      | 20  |  |
| July 28, 2018      | Tune In & Tune Up event  | Stockton | Disadvantaged Community members      | 425 |  |
| August 4, 2018     | Tulare County Tune In & Tune Up  | Tulare   | Disadvantaged Community members      | 400 |  |
| August 6, 2018     | Wasco Rotary Club Meeting  | Wasco    | Rotary members and public            | 20  |  |
| August 6, 2018     | Merced Co. Office Of Education Summer Conf.                              | Atwater  | Educators                            | 12  |  |
| August 10, 2018    | Teachers Leading Teachers Workshop                                       | Sanger   | Educators                            | 15  |  |
| August 18, 2018    | Tune In & Tune Up event  | Turlock  | Disadvantaged Community members      | 425 |  |
| August 21, 2018    | Winton Advisory Council  | Winton   | General public                       | 24  |  |
| September 7, 2018  | I Heart Media Interview (broadcast on five Radio stations in the Valley) |          |                                      |     |  |
| September 8, 2018  | Fresno County Tune In Tune Up Event                                      | Fresno   | Disadvantaged Community members      | 450 |  |
| September 13, 2018 | Get Connected/Business Procurement Event                                 | Stockton | businesses and public agencies       | 300 |  |
| October            | Valley Air Newsletter (VAN)  |          |                                      |     |  |
| September 21, 2018 | Westwood School Health Fair  | Stockton | Parent/students/teachers             | 100 |  |
| September 28, 2018 | Annual Employee Wellness Fair  | Fresno   | Fresno Housing Authority Employess   | 250 |  |
| September 29, 2018 | Tune In & Tune Up event  | Merced   | Disadvantaged Community members      | 425 |  |
| October 4, 2018    | City of Manteca Health Fair  | Manteca  | employees of the City of Manteca     | 300 |  |



|                  |  |          |                                 |     |  |
|------------------|--|----------|---------------------------------|-----|--|
| October 10, 2018 | Meeting with City of Shafter Manager and Planning Director   |          |                                 |     |  |
| October 11, 2018 | San Joaquin Drug Health Fair   | Planada  | Disadvantaged Community members | 300 |  |
| October 13, 2018 | Kings County Tune In & Tune Up   | Lemoore  | Disadvantaged Community members | 430 |  |
| October 15, 2018 | Stan. County Health Dept. meeting  | Modesto  | Health professionals            | 25  |  |
| October 16, 2018 | SJ County RTD Health Fair  | Stockton | Employees of San Joaquin County | 350 |  |
| October 16, 2018 | Kick-off flyers distributed to environmental groups at Schmidt Family Foundation event   |          |                                 |     |  |
| October 16, 2018 | Bakersfield California Article <a href="http://bakersfieldnow.com/news/local/help-identify-pollution-sources-in-shafter">http://bakersfieldnow.com/news/local/help-identify-pollution-sources-in-shafter</a> |          |                                 |     |  |
| October 17, 2018 | Kick-off flyers distributed to Shafter branch of Kern County Library   |          |                                 |     |  |
| October 18, 2018 | Kick-off Flyers distributed to Friends of Calway   |          |                                 |     |  |
| October 20, 2018 | Tune In & Tune Up event/Press Event  | Stockton | Disadvantaged Community members | 425 |  |
| October 21, 2018 | Driver Appreciation & Resource Fair  | Parlier  | Public                          |     |  |
| October 23, 2018 | Kick-off Flyers distributed to Shafter schools   |          |                                 |     |  |
| October 24, 2018 | Shafter Rotary   |          |                                 |     |  |
| October 24, 2018 | Kick-off flyers distributed to South Central Fresno Schools  |          |                                 |     |  |
| October 24, 2018 | Kick-off flyers distributed to Mosqueda Community Center/Mosqueda Library  |          |                                 |     |  |
| October 25, 2018 | Assembly Member Arambula Community Fall Event  | Selma    | Disadvantaged Community members | 225 |  |
| October 25, 2018 | Kick-off flyers distributed to Central Fresno Library  |          |                                 |     |  |

|                   |   |             |                                 |      |                    |
|-------------------|---|-------------|---------------------------------|------|--------------------|
| October 25, 2018  | Presentation AB 617 update at EJAG Meeting                |             |                                 |      |                    |
| October 26, 2018  | Stockton Workshop hosted by Catholic Charities            | Stockton    | Disadvantaged Community members | 20   | Jaime and Anthony  |
| October 26, 2018  | Meeting with City of Fresno Manager and Planning Director |             |                                 |      |                    |
| October 30, 2018  | Shafter Kick-off Meeting                                  |             |                                 |      |                    |
| October 30, 2018  | Catholic Charities Climate Change Workshop                | Modesto     | Disadvantaged Community members | 50   |                    |
| October 31, 2018  | Shafter Kiwanis Presentation                              |             |                                 |      |                    |
| November 1, 2018  | AB 617 Kickoff Meeting                                    | Fresno      | Public and Staff                |      |                    |
| November 1, 2018  | Arambula Community Resource Fair                          | Fresno      | Public and Staff                |      |                    |
| November 1, 2018  | AB 617 BARCT Workshop                                     | Fresno      |                                 |      | VTC to the regions |
| November 2, 2018  | Korea Environment Corporation                             | Bakersfield |                                 |      |                    |
| November 3, 2018  | Arambula Community Resource Fair                          | Fresno      | Disadvantaged Community members | 200  |                    |
| November 3, 2018  | TITU Event  | Turlock     | Public                          |      |                    |
| November 6, 2018  | Lunch & Learn for Nurses                                  | Hanford     | Hospital staff                  | 150  |                    |
| November 8, 2018  | Annual Employee Wellness Fair                             | Fresno      | Fresno City College Staff       | 125  |                    |
| November 10, 2018 | Madera County Tune in Tune Up                             | Madera      | Disadvantaged Community members | 400+ |                    |
| November 29, 2018 | Town Hall Meeting   | Shafter     | Public and Staff                |      |                    |
| November 30, 2018 | Catholic Charities Workshop                               | Empire      | Public and Staff                | 30   | Todd and Anthony   |
| December 1, 2018  | Kern County Tune In Tune Up                               | Bakersfield | Disadvantaged Community members | 400+ |                    |
| December 4, 2018  | CAC Presentation  | Fresno      | Public and Staff                |      | VTC to the regions |

|                   |   |          |  |       |                    |
|-------------------|---|----------|--|-------|--------------------|
| December 6, 2018  | Cup of Coffee with Parents                                  | Delhi    | Public and Educators   | 25    |                    |
| December 11, 2018 | AB617 Presentation to Shafter Recreation and Parks District | Shafter  | Public   |       |                    |
| December 12, 2018 | Stockton Chamber/Green Team recycling event                 | Stockton | businesses and public agencies                                   |       |                    |
| December 13, 2018 | Steering Committee Meeting                                  | Fresno   | Public, Media, Staff, City Officials                             |       |                    |
| December 17, 2018 | Steering Committee Meeting                                  | Shafter  | Public, Staff, City Officials                                    |       |                    |
| December 19, 2018 | Visalia Economic Development Corp.                          | Visalia  | Public   |       |                    |
| January 3, 2019   | Valley Public Radio Interview                               | Fresno   | Public   |       |                    |
| January 10, 2019  | Fresno Unified School District Meeting                      | Fresno   | Staff and School Educators                                       |       |                    |
| January 11, 2019  | Sanger Rotary   | Sanger   | Club members   | 30-40 |                    |
| January 14, 2019  | Steering Committee Meeting                                  | Shafter  | Public, Staff, City Officials                                    |       |                    |
| January 16, 2019  | Steering Committee Meeting                                  | Fresno   | Public, Staff, City Officials                                    |       |                    |
| January 17, 2019  | Cup of Coffee with Parents Meeting, El Capitan Elem.        | Delhi    | Parents  | 6     |                    |
| January 25, 2019  | Cup of Coffee with Parents Meeting, Schendel Elem.          | Delhi    | Parents  | 6     |                    |
| January 26, 2019  | TITU Event  | Fresno   | Public   |       |                    |
| February 5, 2019  | CAC Meeting   | Fresno   | Public   |       | VTC to the regions |
| February 6, 2019  | CARB Community Selection Planning Meeting                   | Visalia  | Public & CARB officials  | 5     |                    |
| February 9, 2019  | TITU Event  | Stockton | Public   |       |                    |
| February 11, 2019 | Steering Committee Meeting                                  | Shafter  | Public, Staff, City Officials                                    |       |                    |
| February 11, 2019 | CARB meeting on AB617                                       | Stockton | Catholic Charities, agencies and Disadvantaged community members | 20    |                    |
| February 13, 2019 | Steering Committee Meeting                                  | Fresno   | Public, Staff, City Officials                                    |       |                    |

|                   |  |                              |                                 |     |                    |
|-------------------|--|------------------------------|---------------------------------|-----|--------------------|
| February 20, 2019 | SB 1000 Workshop with Catholic Charities             | Stockton                     | Disadvantaged Community members | 40  |                    |
| February 25, 2019 | CARB AB 617 Workshop for Staff                       | Fresno, Bakersfield, Modesto | CARB and District officials     |     | VTC to the regions |
| February 28, 2019 | EJAG Meeting   | Fresno                       | Public                          |     | VTC to the regions |
| March 5, 2019     | CAC Meeting  | Fresno                       | Public                          |     | VTC to the regions |
| March 9, 2019     | TITU Event   | Tulare                       | Public                          |     |                    |
| March 11, 2019    | Steering Committee Meeting                           | Shafter                      | Public, Staff, City Officials   |     |                    |
| March 12, 2019    | Council of Senior Professionals Meeting              | Hanford                      | Club members                    | 50  |                    |
| March 13, 2019    | Coffee Hour with Parents, Roosevelt High             | Fresno                       | Parents                         |     |                    |
| March 13, 2019    | REXPO - Business Fair                                | Stockton                     | business and public agencies    | 250 |                    |
| March 13, 2019    | Steering Committee Meeting                           | Fresno                       | Public, Staff, City Officials   |     |                    |
| March 14, 2019    | Parent Workshop, Fresno High                         | Fresno                       | Parents                         | 10  |                    |
| March 16, 2019    | Van Pool a Looza                                     | Los Banos                    | Disadvantaged Community members | 30  |                    |
| March 20, 2019    | CalTrans Public Meeting                              | Fresno                       | Public                          | 45  |                    |
| March 26, 2019    | Parent Involvement Night at Malaga Elementary School | Fresno                       | Public and School Officials     |     |                    |
| March 27, 2019    | Community Partner Meeting                            | Fresno                       | Community groups                |     |                    |
| March 28, 2019    | Orange Center Elementary School Air Quality Assembly | Fresno                       | Public and School Officials     |     |                    |
| March 30, 2019    | CARB Public Meeting-Emissions Reduction Credits      | Fresno, Bakersfield, Modesto | Public & CARB officials         | 40+ | VTC to the regions |
| April 1, 2019     | Roosevelt High School Open House                     | Fresno                       | Public and School Officials     |     |                    |
| April 1, 2019     | Truth Tabernacle Christian School                    | Fresno                       | Public                          |     |                    |

|                |   |            |   |     |                    |
|----------------|---|------------|---|-----|--------------------|
| April 2, 2019  | CAC Meeting                                   | Fresno     | Public                                      |     | VTC to the regions |
| April 6, 2019  | UCSF- Fresno Air Quality Symposium            | Fresno     | Public                                      | 50  |                    |
| April 6, 2019  | South Valley Healthy Air Leadership Institute | Visalia    | public, students                            |     |                    |
| April 6, 2019  | TITU Event                                    | Turlock    | Public & Disadvantaged members of community | 400 |                    |
| April 8, 2019  | Steering Committee Meeting                    | Shafter    | Public, Staff, City Officials               |     |                    |
| April 10, 2019 | Steering Committee Meeting                    | Fresno     | Public, Staff, City Officials               |     |                    |
| April 13, 2019 | TITU Event                                    | Merced     | Public                                      |     |                    |
| April 13, 2019 | Earth Day                                     | Visalia    | Public                                      |     |                    |
| April 13, 2019 | Earth Day                                     | North Fork | Public                                      | 50+ |                    |
| April 14, 2019 | Earth Day                                     | Stockton   | Public                                      |     |                    |
| April 18, 2019 | Earth Day event                               | Lodi       | Employeed                                   | 100 |                    |
| April 20, 2019 | Earth Day                                     | Modesto    | Public                                      | 400 |                    |
| April 20, 2019 | Environmental Health Information              | Huron      | Public                                      | 400 |                    |
| April 22, 2019 | Earth Day/Merced County Public Health         | Merced     | Public & Disadvantaged members of community | 150 |                    |
| April 25, 2019 | EJAG Meeting                                  | Fresno     | Public                                      |     | VTC to the regions |
| April 25, 2019 | Cigna Earth Day                               | Visalia    | Public                                      |     |                    |
| April 27, 2019 | Earth Day                                     | Tracy      | Public                                      | 200 |                    |
| April 29, 2019 | Visalia Rotary Club                           | Visalia    | Public                                      | 30  |                    |
| April 29,      | Planting the Seeds                            | Stockton   | Public & Disadvantaged members of community | 300 |                    |

|                |  |           |  |       |                    |
|----------------|--|-----------|--|-------|--------------------|
| April 30, 2019 | Replace Drop Off Event, Orange Center Elem     | Fresno    | Public                                   |       |                    |
| May 2, 2019    | Community Health & Wellness Fair               | Arvin     | Public                                   |       |                    |
| May 2, 2019    | Asthma Health Fair                             | Modesto   | Public                                   | 100   |                    |
| May 2, 2019    | Bike to Work Day                               | Merced    | Public                                   | 10    |                    |
| May 4, 2019    | Science & Sustainability Fair                  | Patterson | Public                                   | 250   |                    |
| May 7, 2019    | CAC Meeting                                    | Fresno    | Public                                   |       |                    |
| May 7, 2019    | Firebaugh High School Parent Meeting           | Firebaugh | Public and School Officials              | 25+   |                    |
| May 8, 2019    | Steering Committee Meeting                     | Fresno    | Public, Staff, City Officials            |       |                    |
| May 13, 2019   | Steering Committee Meeting                     | Shafter   | Public, Staff, City Officials            |       |                    |
| May 13, 2019   | Rise Stockton Climate Change event             | Stockton  | Disadvantaged Community members          | 20    |                    |
| May 15, 2019   | Bike-To-Work Day                               | Stockton  | Public, cyclists, city employees         | 40    |                    |
| May 16, 2019   | Bike-To-Work Day                               | Modesto   | Public, cyclists, city employees         | 200   |                    |
| May 16, 2019   | Coffee with Parents Monthly Meeting            | Arvin     | Public and School Officials              | 20    |                    |
| May 17, 2019   | Bike-To-Work Day                               | Lodi      | Public, cyclists, city employees         | 50    |                    |
| May 18, 2019   | TITU Event                                     | Fresno    | Disadvantaged community members          | 400+  |                    |
| May 20, 2019   | CalTrans Public Event                          | Malaga    | Public                                   | 30-50 |                    |
| May 28, 2019   | Fowler Unified Electric School Bus Press Event | Malaga    | Public, City Officials, School Educators | 50-60 |                    |
| May 30, 2019   | Steering Committee Meeting                     | Fresno    | Public                                   |       |                    |
| June 1, 2019   | Tune In & Tune Up Event                        | Oakdale   | Disadvantaged Community members          | 160   |                    |
| June 3, 2019   | Madera Unified Wellness Committee meeting      | Madera    | School staff and administrators          | 25    |                    |
| June 4, 2019   | CAC Meeting                                    | Fresno    | Public                                   |       | VTC to the regions |



|               |  |           |                                      |         |  |
|---------------|--|-----------|--------------------------------------|---------|--|
| June 10, 2019 | Steering Committee Meeting             | Shafter   | Public                               |         |  |
| June 11, 2019 | 5K Bubble Fun Run for Asthma Awareness | Fresno    | Public                               | 100-200 |  |
| June 12, 2019 | Steering Committee Meeting             | Fresno    | Public                               |         |  |
| June 27, 2019 | Aetna AHORA Resource Fair              | Fresno    | Public                               | 300     |  |
| June 29, 2019 | Air & Asthma Workshop                  | Stockton  | Public/studfents                     | 300     |  |
| July 13, 2019 | Asthma Workshop                        | Modesto   | health officials and health students | 100     |  |
| July 18, 2019 | Presentation to Stan. Green Team       | Modesto   | businesses & public agencies         | 25      |  |
| July 31, 2019 | Grizzly Nut Grower Lunch               | Waterford | farmers                              | 300     |  |

**Community Air Protection Program  
Annual Report  
San Joaquin Valley Air Pollution Control District  
Grant # G17-CAPP-26  
Report # 1**

Appendix D

**Air Monitoring Equipment/Assets Purchased for Selected Communities**  
**Information Packets Developed for South Central Fresno Air Monitoring**  
**Subcommittee Meetings**

| Grant # G17-CAPP-26 : Report #1   |  |                | Total = | \$ 3,410,134.20 |
|---|--|----------------|---------|-----------------|
| Community Air Monitoring  |  |                |         |                 |
| Item  | Equipment Description                        | Cost           | Units   | Total Cost      |
| <b>Equipment for Vans, Trailers, and Air Pointers</b>                                     |  |                |         |                 |
| Ambilabs Contract   | 2 Vans, 2 Trailers, 3 Airpointers, Equipment | \$1,933,740.00 | 1       | \$ 1,933,740.00 |
| <i>*Below: Balance of Van / Trailer equipment not covered by Ambilabs Contract</i>        |  |                |         |                 |
| Black Carbon Analyzer   | Aethlabs MA 350                              | \$ 17,467.74   | 3       | \$ 52,403.22    |
| Black Carbon Analyzer   | Met One BC 1054                              | \$ 16,250.39   | 2       | \$ 32,500.78    |
| PM2.5   | Met One 1020                                 | \$ 25,671.63   | 1       | \$ 25,671.63    |
| PM2.5   | Met One BAM 1022 for Air Pointers            | \$ 19,440.65   | 3       | \$ 58,321.95    |
| BTEX Analyzer   | Mocon Baseline 9100                          | \$ 33,995.46   | 4       | \$ 135,981.84   |
| CO Analyzer   | Thermo CO 48i QTL                            | \$ 19,211.74   | 4       | \$ 76,846.96    |
| Sulfur Analyzer   | Teledyne                                     | \$ 17,847.00   | 4       | \$ 71,388.00    |
| <b>Equipment for Community Air Monitoring outside of Vans, Trailers, and Air Pointers</b> |  |                |         |                 |
| PM2.5   | BAM 1022                                     | \$ 19,176.85   | 11      | \$ 210,945.35   |
| PM Speciation   | Super SASS                                   | \$ 14,995.00   | 2       | \$ 29,990.00    |
| FLIR Camera   | FLIR Camera                                  | \$ 107,956.01  | 1       | \$ 107,956.01   |
| Mass Spec PM2.5 Speciation  | Ion Icon PTR-MS                              | \$ 444,026.35  | 1       | \$ 444,026.35   |
| VOC Canister Sampling   | Entech Canister Sampling (x40)               | \$ 38,973.70   | 1       | \$ 38,973.70    |
| <b>Equipment for Standards and Gases</b>  |  |                |         |                 |
| PM Flow Standards   | Alicat Flow Standards                        | \$ 3,850.00    | 4       | \$ 15,400.00    |
| Gas Bottles   | Compressed Cylinder Order (Air Gas)          | \$ 13,753.38   | 1       | \$ 13,753.38    |
| <b>Licences and Data Logging Equipment</b>  |  |                |         |                 |
| Licensing Agreement   | Licence for AB 617 Server (AirVision)        | \$ 31,950.00   | 1       | \$ 31,950.00    |
| Data Loggers  | Agilaire Data loggers                        | \$ 8,597.98    | 10      | \$ 85,979.80    |
| Web Service   | Agil-Web Data Portal                         | \$ 6,450.00    | 1       | \$ 6,450.00     |
| <b>Technical Evaluation of Sensor Technology</b>  |  |                |         |                 |
| PM2.5 Sensor  | Dylos PM2.5 and PM10 Sensors                 | \$ 532.88      | 6       | \$ 3,197.28     |
| PM2.5 Sensor  | PurpleAir Sensors                            | \$ 238.27      | 9       | \$ 2,144.43     |
| PM2.5 Sensor  | Air Beam PM Sensors                          | \$ 269.86      | 6       | \$ 1,619.16     |
| Ozone Sensor  | Aeroqual O3 Sensors                          | \$ 1,698.28    | 1       | \$ 1,698.28     |
| Data Loggers  | Raspberry Pi, Cables, Components             | \$ 1,101.00    | 1       | \$ 1,101.00     |
| <b>Additional Equipment, Consumables and Supplies for AB 617</b>                          |  |                |         |                 |
| Tools   | Tool kits for staff and supplies             | \$ 2,196.02    | 1       | \$ 2,196.02     |
| Ropes/Straps  | Secure devices for equipment                 | \$ 207.65      | 1       | \$ 207.65       |
| Met One Consumables   | Tape, Pumps, Repair kits                     | \$ 25,691.41   | 1       | \$ 25,691.41    |

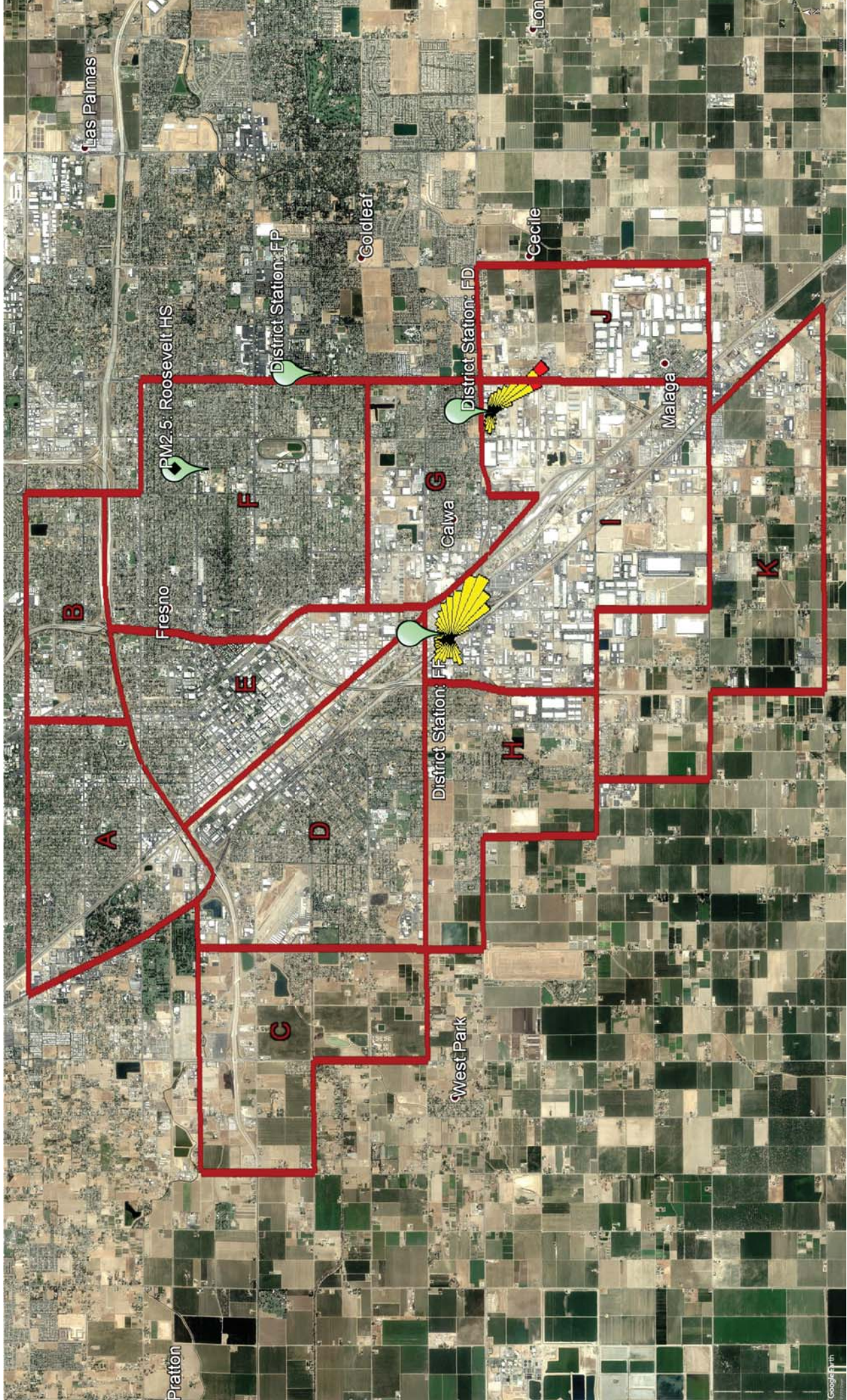
**South Central Fresno Air Monitoring Subcommittee Meeting #1**

**May 1, 2019**

**Subcommittee Member Information Packet**

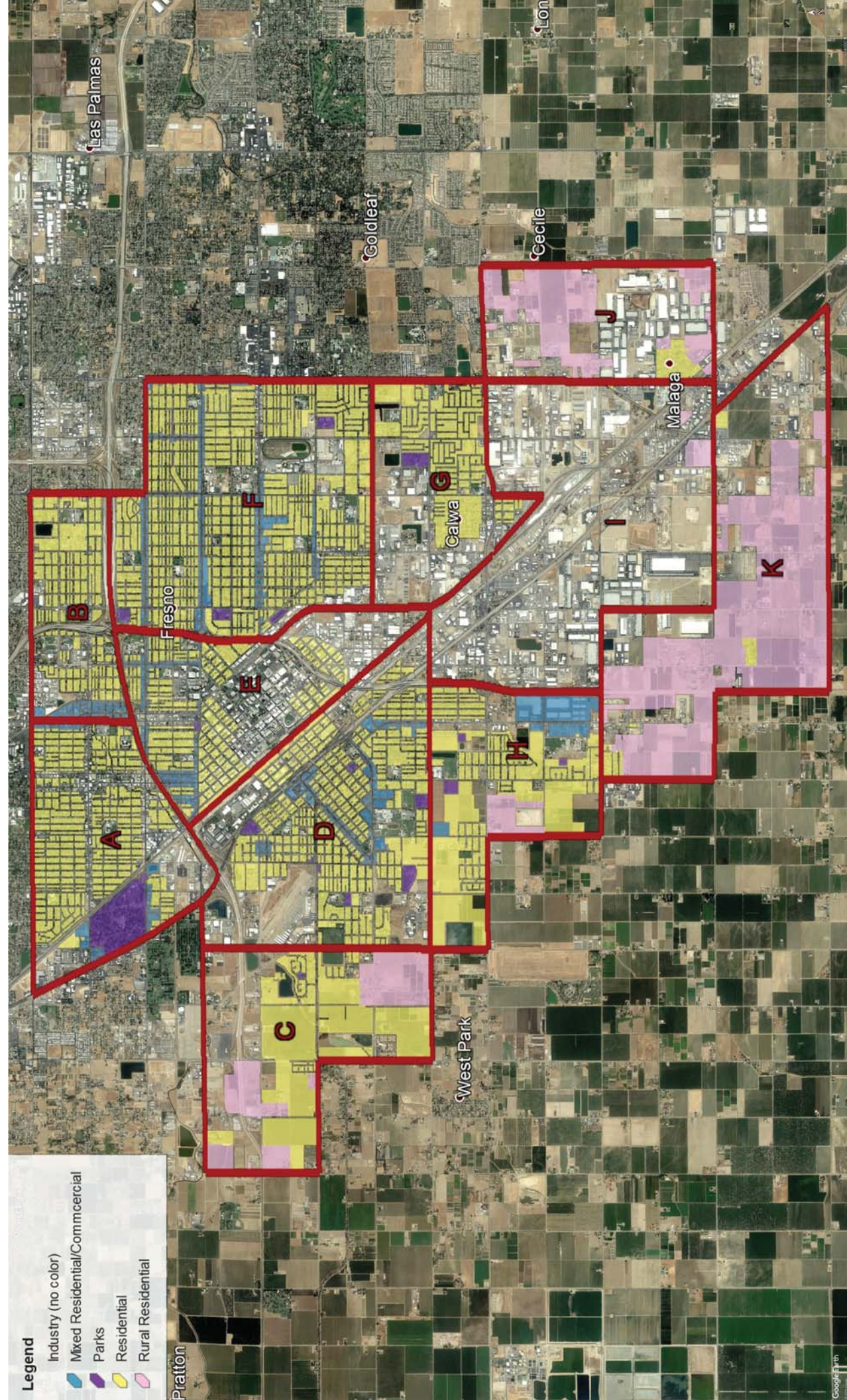


# 01 Current Monitoring



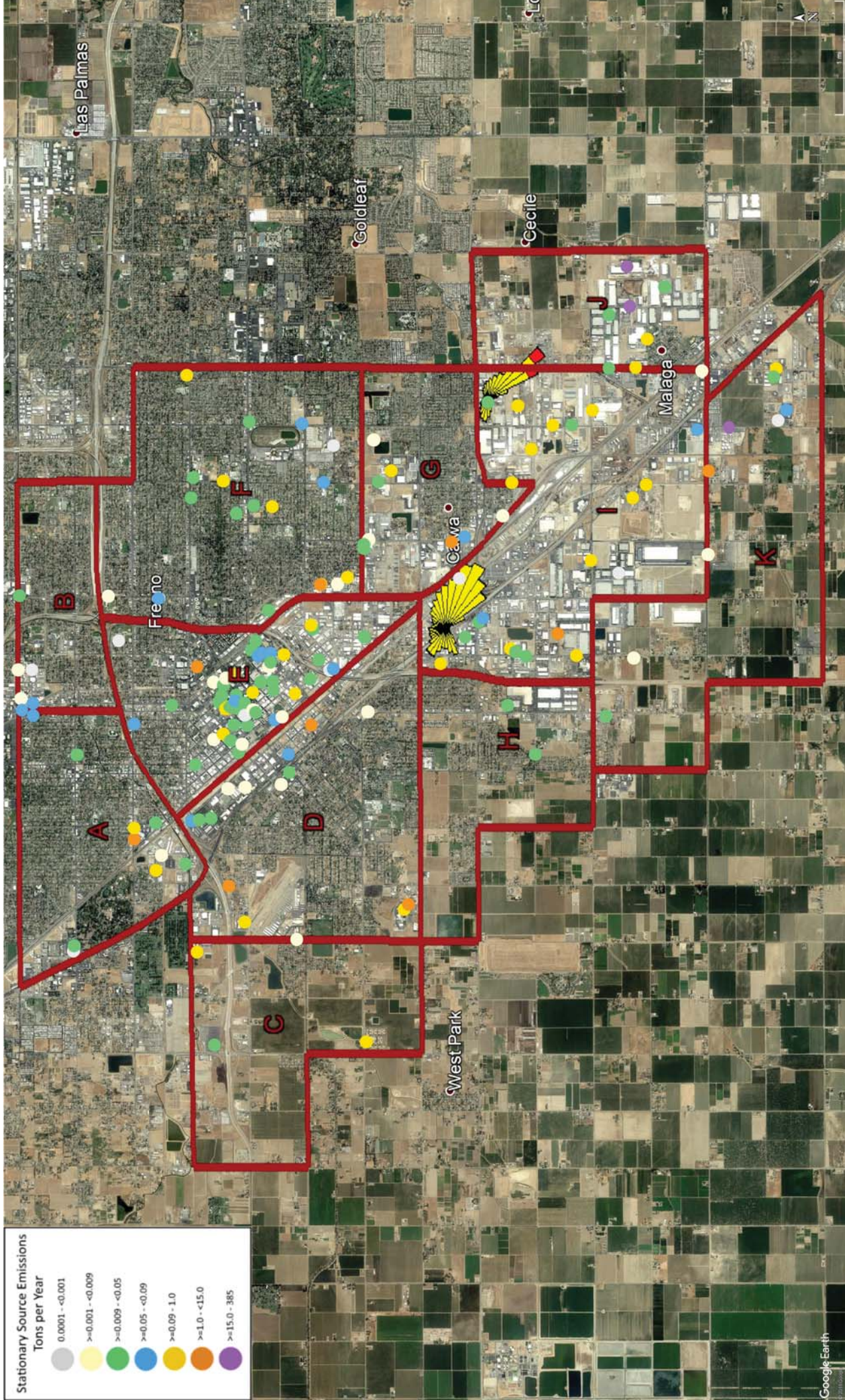


# 02 Land Use



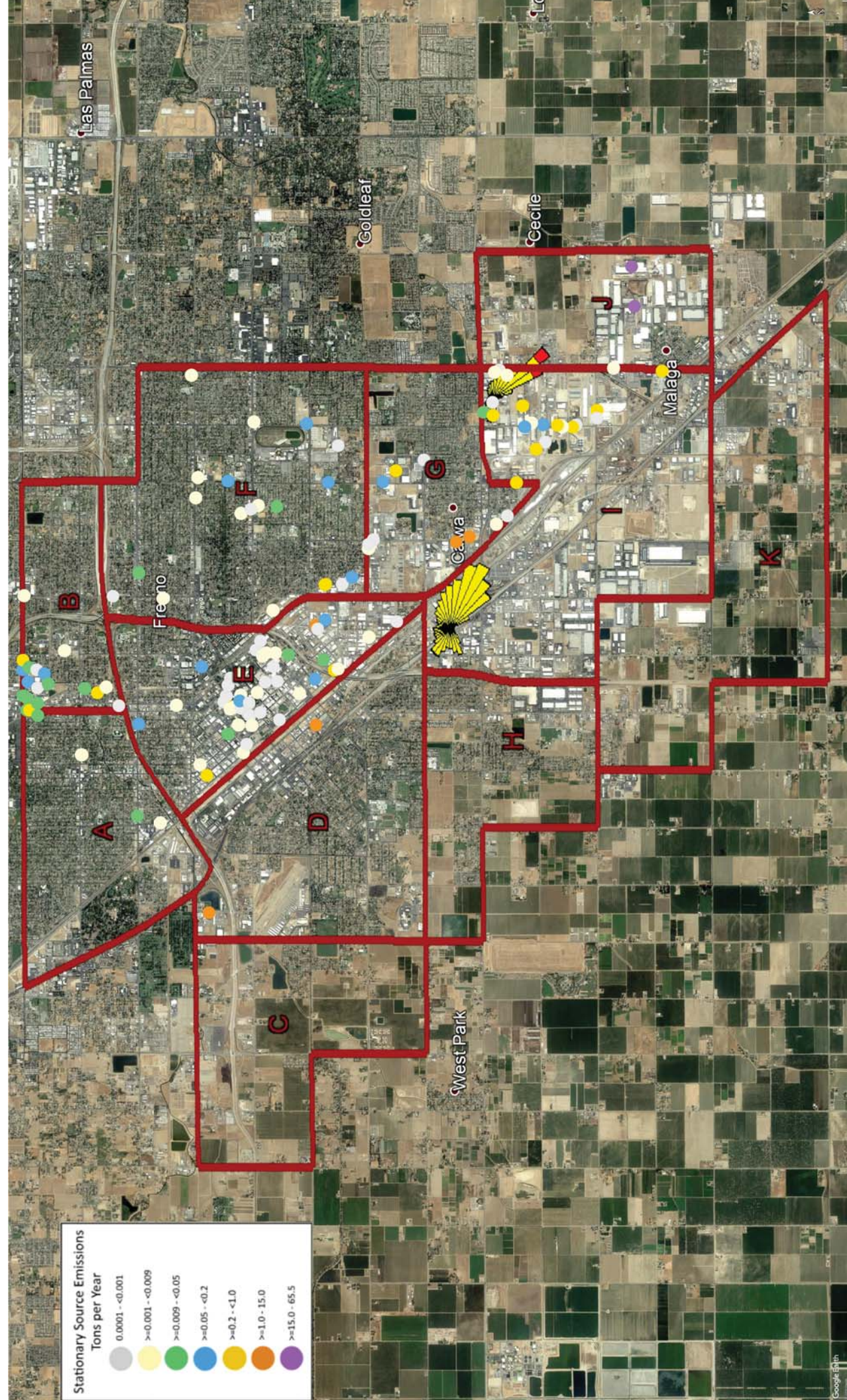


# 03 Stationary Source NOx



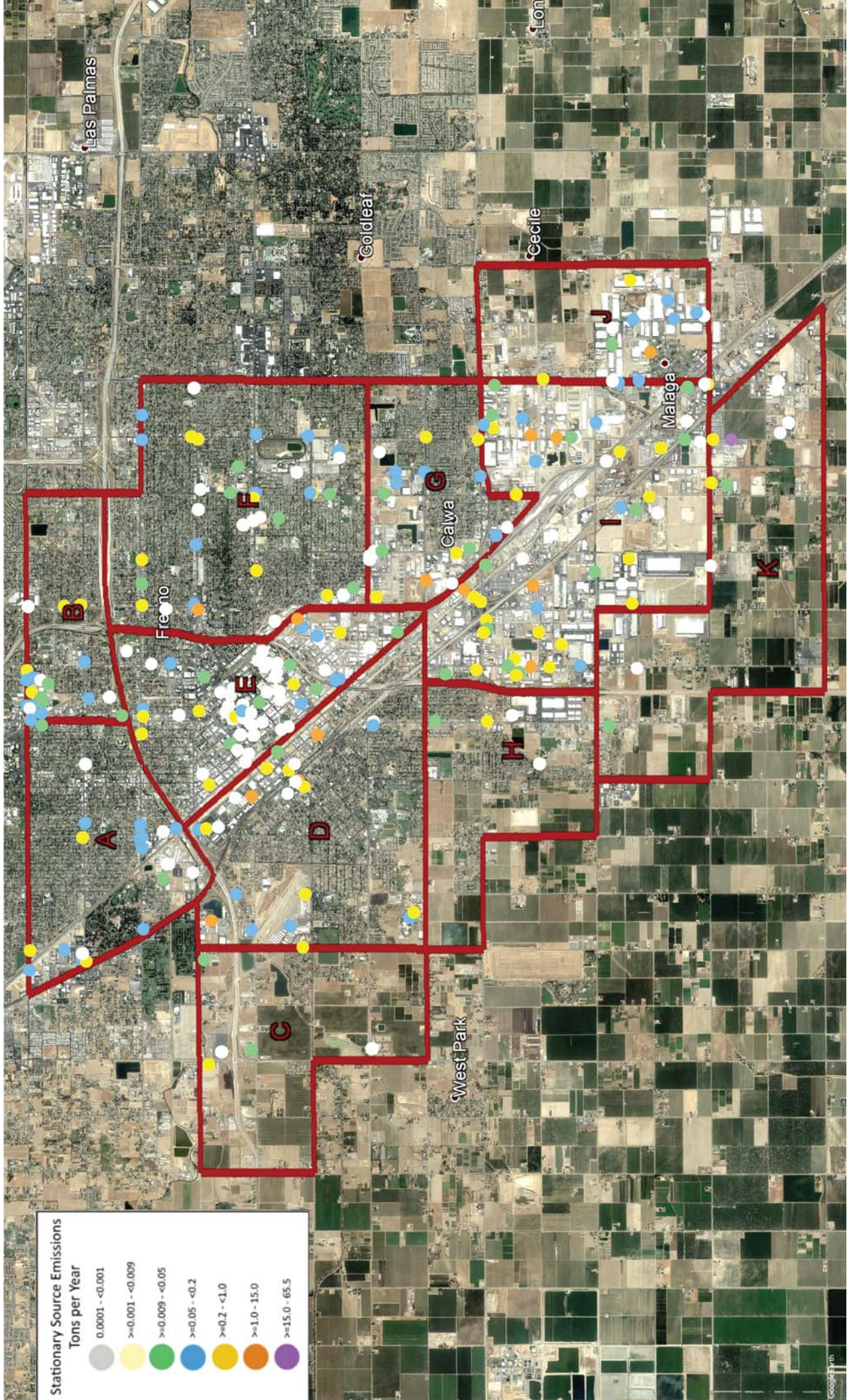


# 04 Stationary Source PM2.5





# 05 Stationary Source VOC

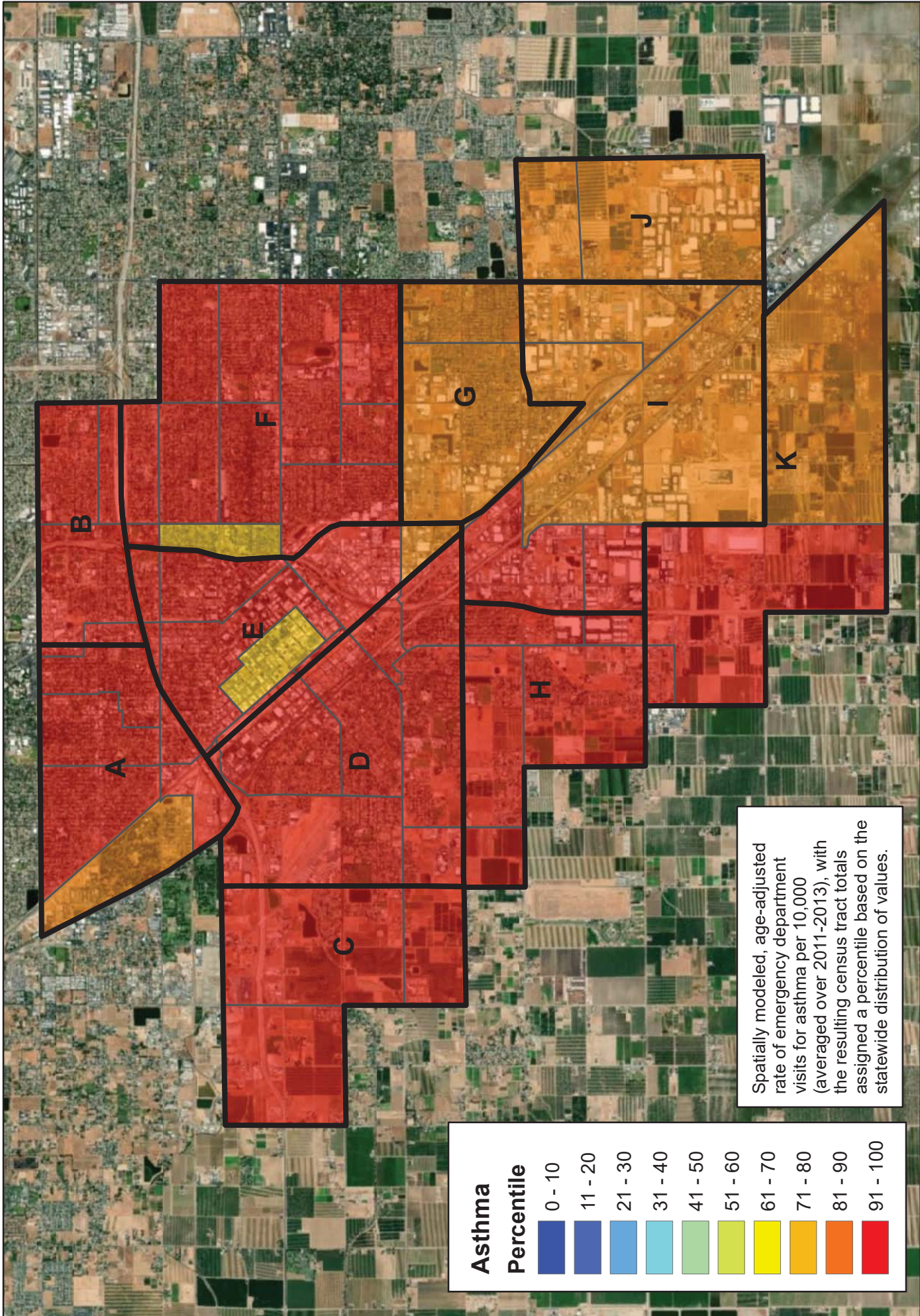






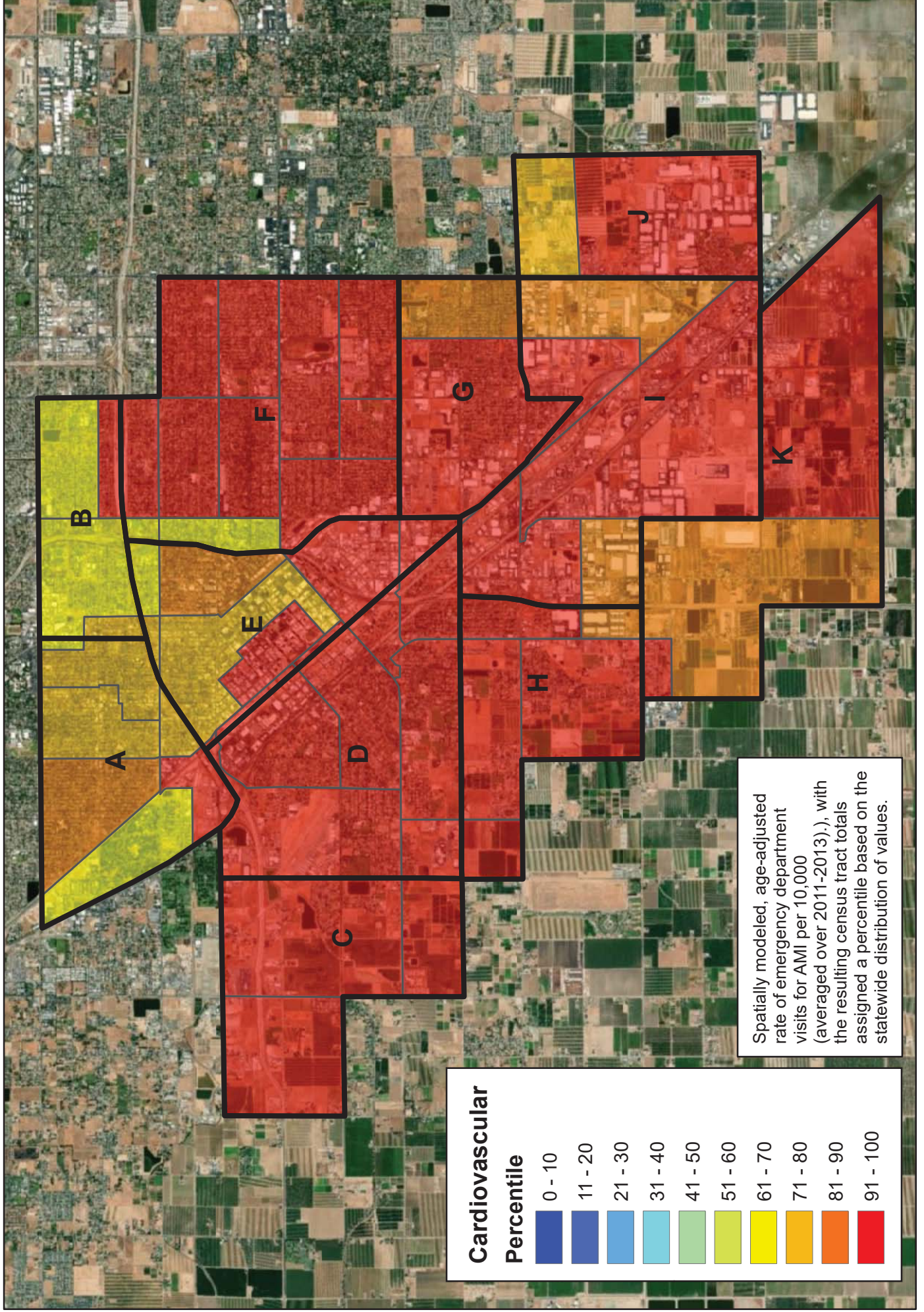


# 07 CalEnviroScreen 3.0 - Asthma Percentile



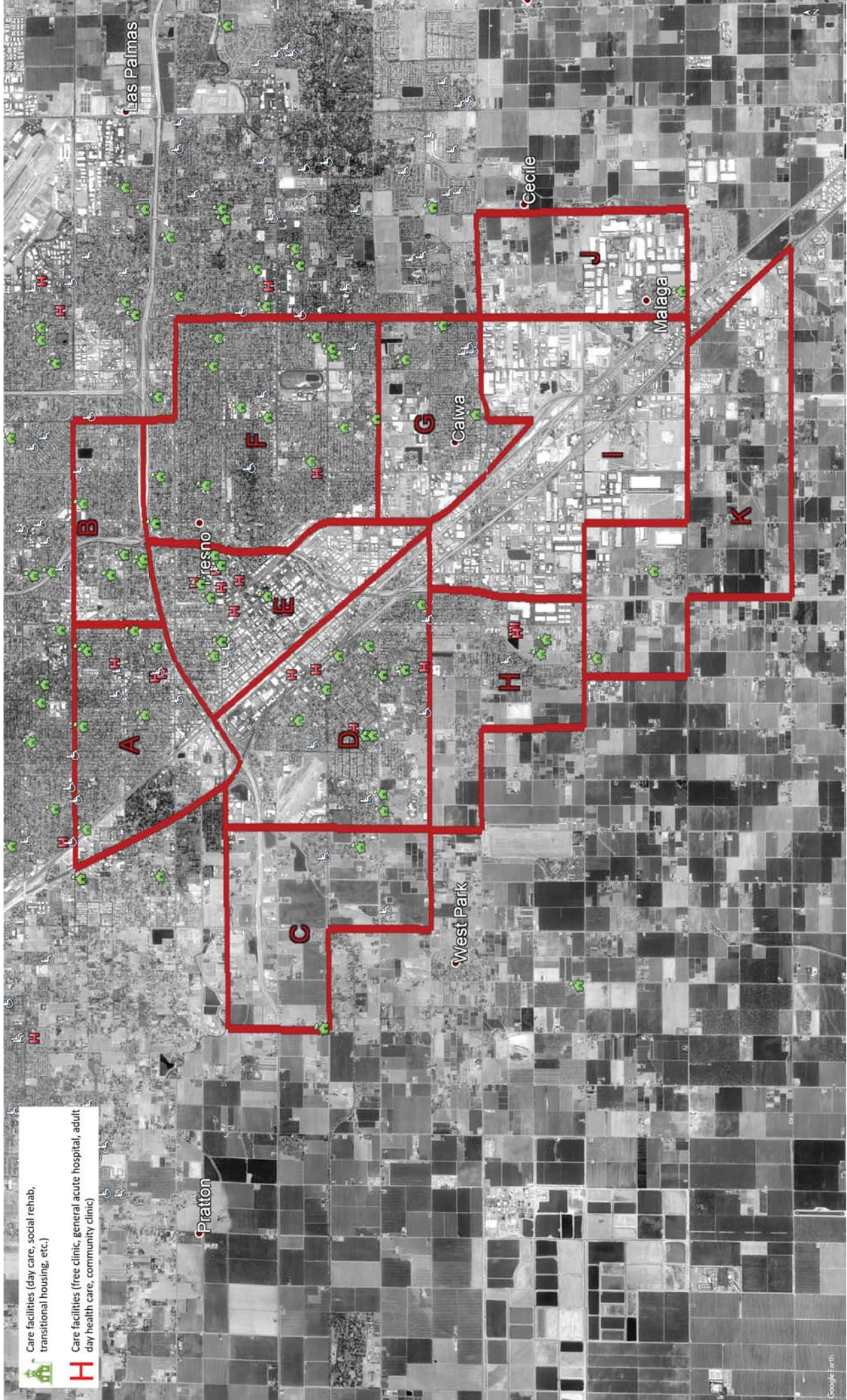


# 08 CalEnviroScreen 3.0 - Cardiovascular Percentile



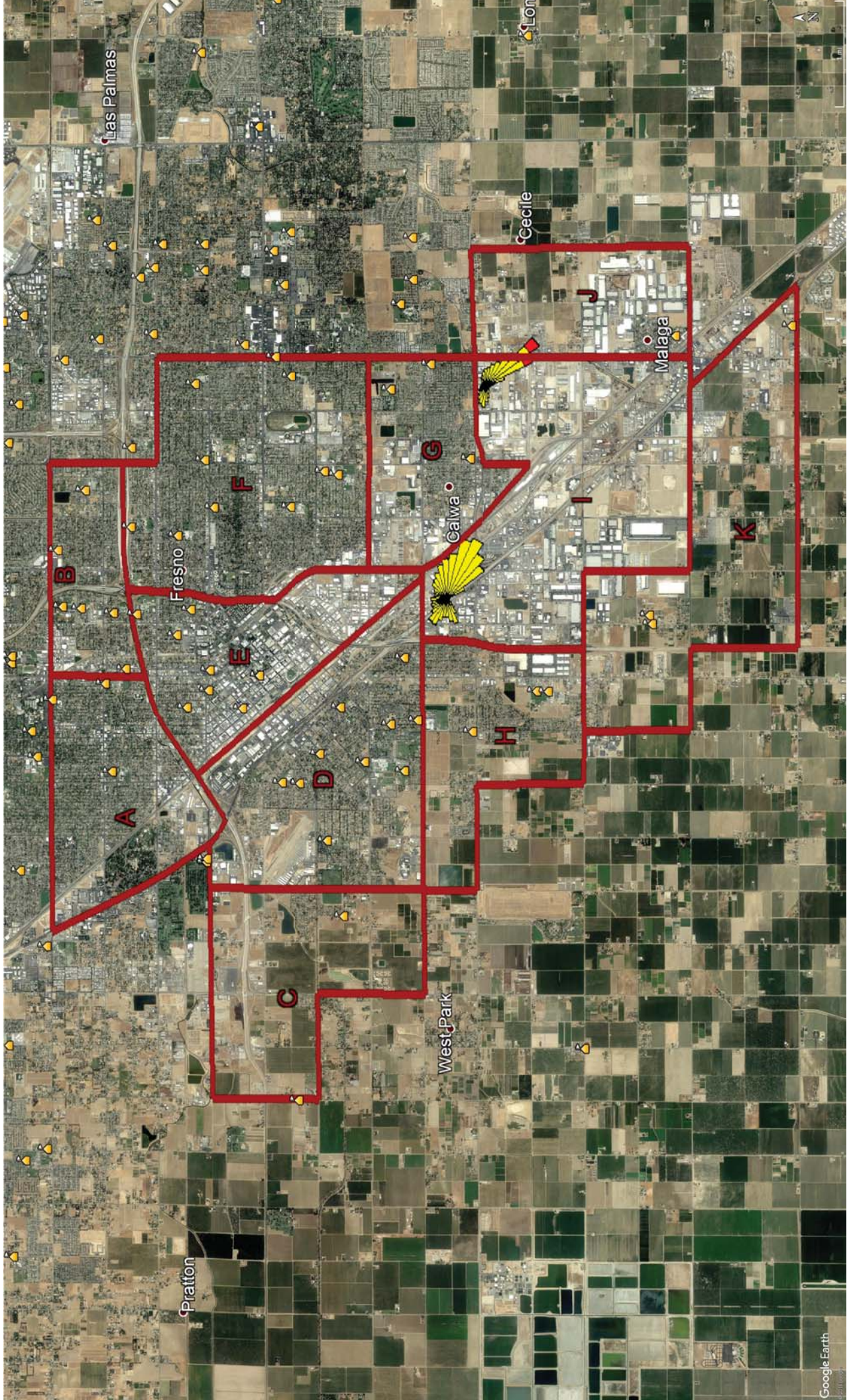


# 09 Care and Medical Facilities



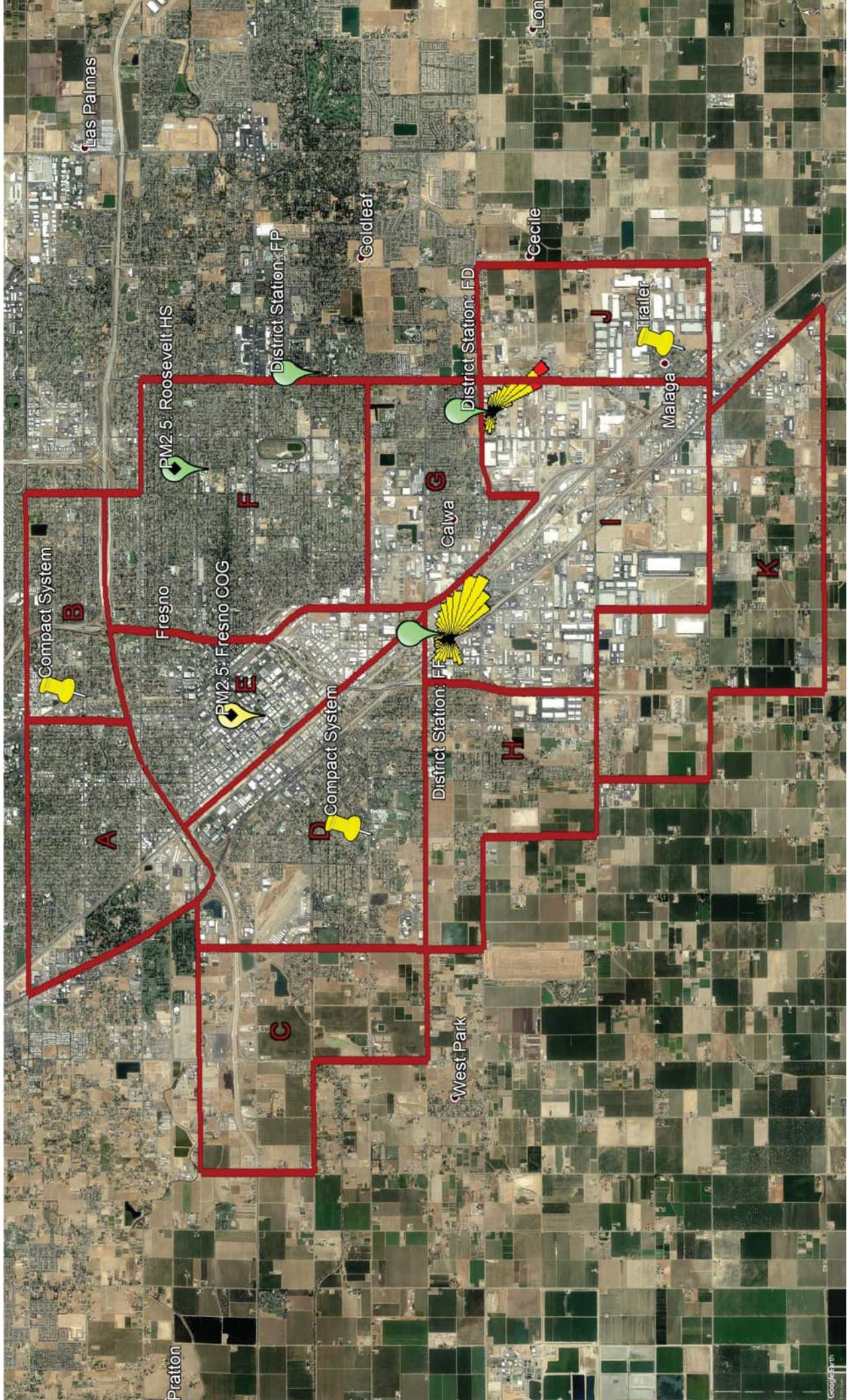


# 09 Schools





# 10 Potential Network Design





# A General Framework for Thinking about Air Monitoring

## Some possible objectives of air monitoring:

- To determine where and when emissions are occurring.
- To determine which sources are primarily responsible for the air pollution.
- To track the progress of the Community Emissions Reduction Programs.
- To support public health research.
- To provide real-time air quality information so that community members can make informed choices and change their behavior to reduce exposure.
- To launch community awareness campaigns.
- To create a new regulatory system of air monitors (i.e. to produce data that could be used by local, state, and federal agencies to enforce regulations).
- *Other key objectives?*

## Some critical questions to ask regarding air monitoring and air monitoring systems:

- What will be the duration of air monitoring? How long will the monitor be up and running? What goals or purpose does this decision support?
- What are the specific time periods that should be monitored (i.e. specific seasons, day vs. night, after certain events or scenarios occur, etc.).
- What data already exists and how is it being used?
- Where should monitoring take place? What areas have been ground-truthed? What are the areas of greatest concern?
- Where are sensitive populations located? How should that inform the air monitoring?
- What should the data produced by the monitoring system be used for? And how should it be shared with the public?
- How will the community be involved in the actual implementation of air monitoring?
- *Other key questions?*

# Pensando en el Monitoreo de Aire

## Algunos posibles objetivos de la monitorización del aire:

- Para determinar dónde y cuándo se producen las emisiones.
- Determinar qué fuentes son las principales responsables de la contaminación del aire.
- Para seguir el progreso de los Programas Comunitarios de Reducción de Emisiones.
- Para apoyar la investigación en salud pública.
- Proporcionar información en tiempo real sobre la calidad del aire para que los miembros de la comunidad puedan tomar decisiones informadas y cambiar su comportamiento para reducir la exposición.
- Lanzar campañas de información a la comunidad.
- Crear un nuevo sistema regulador de monitores de aire (es decir, para producir datos que puedan ser utilizados por agencias locales, estatales y federales para hacer cumplir las regulaciones).
- Otras preguntas?

## Algunas preguntas críticas que se deben hacer con respecto a los sistemas de monitoreo de aire y monitoreo de aire:

- ¿Cuál será la duración del monitoreo del aire? ¿Cuánto tiempo estará el monitor en funcionamiento? ¿Qué metas o propósitos apoya esta decisión?
- Cuáles son los períodos de tiempo específicos que deben ser monitoreados (por ejemplo, estaciones específicas, día vs. noche, después de que ocurran ciertos eventos o escenarios, etc.).
- ¿Qué datos ya existen y cómo se utilizan?
- ¿Dónde debe tener lugar el monitoreo? ¿Qué áreas han sido verificadas en persona? ¿Cuáles son las áreas de mayor preocupación?
- ¿Dónde se encuentran las poblaciones sensibles? ¿Cómo debería informar eso al monitoreo del aire?
- ¿Para qué deben utilizarse los datos producidos por el sistema de monitoreo? ¿Y cómo debe compartirse con el público?
- ¿Cómo se involucrará la comunidad en la implementación del monitoreo del aire?
- Otras preguntas?

# APPENDIX I. GLOSSARY

The glossary in Table I-1 is intended to clarify the terms used in this document; it does not contain official definitions to be used for other purposes. The California Air Resources Board’s Glossary webpage<sup>1</sup> also provides commonly used terms throughout our webpages and documents and may be used for additional terms not included in the list below.

**Table I-1      Glossary of Terms for the Community Air Protection Program**

| TERM (ACRONYM)                        | DESCRIPTION   |
|---------------------------------------|---|
| Acute health effect                   | A health effect that occurs over a relatively short period of time (e.g., minutes, hours). The term is used to describe brief exposures and effects which appear promptly after exposure.   |
| Air district                          | An air pollution control district, air quality management district, or air resources district, located in California.   |
| Air quality standard                  | The prescribed level of a pollutant in the outside air that should not be exceeded during a specific time period to protect public health. Established by both federal and State governments.   |
| Air sensor                            | Device that measures air pollutants on a real-time or near real-time basis that is generally portable, low in cost, and can require less power than other air monitoring methods.<br><a href="https://www.epa.gov/air-sensor-toolbox">https://www.epa.gov/air-sensor-toolbox</a>  |
| Air toxics                            | A generic term referring to a harmful chemical or group of chemicals in the air. Substances that are especially harmful to health, such as those considered under U.S. Environmental Protection Agency’s hazardous air pollutant program or California’s Assembly Bill 1807 and/or Assembly Bill 2588 air toxics programs, are considered to be air toxics. Technically, any compound that is in the air and has the potential to produce adverse health effects is an air toxic. |
| Airborne Toxic Control Measure (ATCM) | A control measure adopted by the California Air Resources Board that reduces emissions of toxic air contaminants. California Health and Safety Code § 39666 et seq.   |

<sup>1</sup> California Air Resources Board’s Glossary webpage: <https://ww2.arb.ca.gov/about/glossary>.

## APPENDIX I – GLOSSARY

| TERM (ACRONYM)  | DESCRIPTION  |
|---|--|
| Area-wide sources   | Sources of pollution where the emissions are spread over a wide area, such as consumer products, fireplaces, road dust, and farming operations. Area-wide sources do not include mobile sources or stationary sources.   |
| Assembly Bill 617   | <p>Assembly Bill 617 was enacted to reduce exposure in communities most impacted by air pollution. This first-of-its-kind statewide effort includes: community air monitoring; community emissions reduction programs; new requirements for accelerated retrofit of pollution controls on industrial sources; increased penalty fees; and greater transparency and availability of air quality and emissions data.</p> <p>Assembly Bill 617, Garcia, C., Chapter 136, Statutes of 2017, modified the California Health and Safety Code, amending § 40920.6, § 42400, and § 42402, and adding § 39607.1, § 40920.8, § 42411, § 42705.5, and § 44391.2</p>               |
| Attainment area   | A geographical area identified to have air quality as good as, or better than, the national and/or California ambient air quality standards. An area may be an attainment area for one pollutant and a nonattainment area for others.  |
| Best available control technology (BACT)                              | A control technology standard used in preconstruction permit programs. The term is used in the federal prevention of significant deterioration permitting program with a definition found in the federal Clean Air Act and the Code of Federal Regulations. In California, however, it is often used to describe control technology requirements in new source review rules. Usually, definitions used by California air pollution control districts are equivalent to or even more stringent than the federal new source review requirement for control technology and more akin to the lowest achievable emission rate definition used in the federal Clean Air Act. |
| Best available control technology for toxic air contaminants (T-BACT) | The most effective emissions limitation or control technique which has been achieved in practice or any other emissions limitation or control technique, including process and equipment changes, found by the California Air Resources Board Executive Officer or Air Pollution Control Officer of the air districts to be technologically feasible for a class or category of source.  |
| Best available retrofit control technology (BARCT)                    | An air emission limitation that applies to existing sources and is based on the maximum degree of reduction achievable, taking into account environmental, energy, and economic impacts by each class or category of source.   |



## APPENDIX I – GLOSSARY

| TERM (ACRONYM)  | DESCRIPTION   |
|---|---|
| CalEnviroScreen   | Developed by the California Environmental Protection Agency and the Office of Environmental Health Hazard Assessment, CalEnviroScreen is a screening tool that is used to help identify communities disproportionately burdened by multiple sources of pollution and with population characteristics that make them more sensitive to pollution.<br><a href="https://oehha.ca.gov/calenviroscreen">https://oehha.ca.gov/calenviroscreen</a>   |
| California Air Pollution Control Officers Association (CAPCOA)        | CAPCOA is an association of Air Pollution Control Officers representing all 35 local air quality agencies throughout California.  |
| California Air Resources Board Governing Board (CARB Governing Board) | The Governing Board for the California Air Resources Board consists of 16 members, of which 12 members are appointed by the Governor and confirmed by the State Senate. The 12 members include 5 who serve on air districts, 4 experts in fields that shape air quality rules, 2 public members, and the Chair, who serves as the only full-time member. The other 4 members include 2 who represent environmental justice communities (1 appointed by the Senate and the other by the Assembly) and 2 non-voting members appointed for Legislative oversight, 1 each from the Senate and Assembly. |
| California Environmental Quality Act (CEQA)                           | A California law that sets forth a process for public agencies to make informed decisions on discretionary project approvals. The process aids decision-makers to determine whether any environmental impacts are associated with a proposed project. It requires environmental impacts associated with a proposed project to be eliminated or reduced and that air quality mitigation measures are implemented.  |
| Chronic health effect   | A health effect that occurs over a relatively long period of time (e.g., months, years).  |
| Community Air Protection Program (Program)                            | The program established by the California Air Resources Board to implement the requirements set forth in Assembly Bill 617.   |
| Community Air Protection Blueprint (Blueprint)                        | A set of elements designed to meet Assembly Bill 617's requirements to develop a statewide strategy and statewide air monitoring plan for the California Air Resources Board consideration. These elements include the process for identifying impacted communities, statewide strategies to reduce emissions of criteria air pollutants and toxic air contaminants, as well as proposed criteria for deployment of community air monitoring and development and implementation of community emissions reduction programs.  |

## APPENDIX I – GLOSSARY

| TERM (ACRONYM)            | DESCRIPTION   |
|---------------------------|---|
| Criteria air pollutants   | Air pollutants for which acceptable levels of exposure can be determined and for which an ambient air quality standard has been set. Examples include: ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, particulate matter 10 and particulate matter 2.5.  |
| Cumulative impacts        | The exposures, public health, or environmental effects from the combined emissions and discharges, in a geographic area, including environmental pollution from all sources, whether single or multi-media, routinely, accidentally, or otherwise released. Impacts will take into account sensitive populations and socio-economic factors, where applicable and to the extent data are available. The high cumulative impacts the Community Air Protection Program addresses are those related to emissions of criteria air pollutants and toxic air contaminants.<br><a href="https://oehha.ca.gov/calenviroscreen/report/cumulative-impacts-building-scientific-foundation-report">https://oehha.ca.gov/calenviroscreen/report/cumulative-impacts-building-scientific-foundation-report</a> |
| Data quality indicators   | Data quality indicators include a variety of metrics used to ensure data will meet defined standards of quality at stated level of confidence appropriate to satisfy air monitoring objective(s). Examples are listed in Table E-1.   |
| Data quality objectives   | Performance and acceptance criteria of monitoring data needed to support specific actions or decisions.   |
| Diesel particulate matter | The solid material in diesel exhaust. Diesel particulate matter is typically composed of carbon particles (“soot”, also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. More than 90 percent of diesel particulate matter is less than 1 micron in diameter, and thus is a subset of particulate matter less than 2.5 microns in diameter.<br><a href="https://www.arb.ca.gov/research/diesel/diesel-health.htm">https://www.arb.ca.gov/research/diesel/diesel-health.htm</a>   |
| Disadvantaged communities | These communities are identified based on geographic, socioeconomic, public health, and environmental hazard criteria, and may include, but are not limited to, either of the following: (1) areas disproportionately affected by environmental pollution and other hazards that can lead to negative public health effects, exposure, or environmental degradation or (2) areas with concentrations of people that are of low-income, high unemployment, low levels of homeownership, high rent burden, sensitive populations, or low levels of educational attainment.<br>California Health and Safety Code § 39711(a)  |

## APPENDIX I – GLOSSARY

| TERM (ACRONYM)               | DESCRIPTION  |
|------------------------------|--|
| Emissions inventory          | An estimate of the amount of pollutants emitted into the atmosphere from categories of mobile, area-wide, and stationary sources caused by human activity as well as from natural sources. Natural source emissions include biogenic hydrocarbons, geogenic hydrocarbons, natural wind-blown dust, and wildfire emissions. Emissions from a particular source are estimated as mass of a pollutant emitted over a specific period of time, such as a tons per day or tons per year.  |
| Environmental justice        | The fair treatment of people of all races and incomes with respect to development, implementation and enforcement of environmental laws, regulations, and policies.  |
| Fence-line monitoring system | Air monitoring equipment that measures and records air pollutant concentrations at or adjacent to a stationary source that may be useful for detecting or estimating emissions of pollutants from the source, including the quantity of fugitive emissions, and in supporting enforcement efforts.<br>California Health and Safety Code § 42705.5(a)(3)  |
| Fiscal Year (FY)             | A 12-month period during which revenue is earned and received, obligations are incurred, encumbrances are made, appropriations are expended, and for which other fiscal transactions are recognized. In California State government, the fiscal year begins July 1 and ends the following June 30. For example, if reference is made to the State's Fiscal Year 2017-2018, this is the time period beginning July 1, 2017 and ending June 30, 2018.<br><a href="http://www.ebudget.ca.gov/reference/GlossaryOfTerms.pdf">http://www.ebudget.ca.gov/reference/GlossaryOfTerms.pdf</a> |
| Greenhouse gases (GHG)       | Atmospheric gases such as carbon dioxide, methane, chlorofluorocarbons, nitrous oxide, ozone, and water vapor that slow the passage of re-radiated heat through the Earth's atmosphere.  |
| Mobile monitoring            | A measurement platform equipped with instrumentation that can quickly measure air pollutant concentrations while in motion.  |
| Mobile sources               | Sources of air pollution such as automobiles, motorcycles, trucks, off-road vehicles, boats, and airplanes.  |
| Nonattainment area           | A geographic area identified by the U.S. Environmental Protection Agency and/or the California Air Resources Board as not meeting either the National Ambient Air Quality Standards or the California Ambient Air Quality Standards for a given pollutant.   |

## APPENDIX I – GLOSSARY

| TERM (ACRONYM)                 | DESCRIPTION   |
|--------------------------------|---|
| Ozone                          | A product of the photochemical process involving the sun's energy and ozone precursors, such as hydrocarbons and oxides of nitrogen. Ozone exists in the upper atmosphere ozone layer (stratospheric ozone) as well as at the Earth's surface in the troposphere (ozone). Ozone in the troposphere causes numerous adverse health effects and is a criteria air pollutant. It is a major component of smog. |
| Particulate matter             | Any material, except pure water, that exists in the solid or liquid state in the atmosphere. The size of particulate matter can vary from coarse, wind-blown dust particles to fine particle combustion products.   |
| Particulate matter 10 (PM10)   | Particulate matter 10 microns or less in aerodynamic diameter (about 1/7 the diameter of a single human hair). Their small size allows them to make their way to the air sacs deep within the lungs where they may be deposited and result in adverse health effects. PM10 also causes visibility reduction.  |
| Particulate matter 2.5 (PM2.5) | Particulate matter 2.5 microns or less in aerodynamic diameter. This fraction of particulate matter penetrates most deeply into the lungs.  |
| Proximity-based goal           | Measurable goals included in community emissions reduction programs to reduce exposure at sensitive receptor locations that are exposed to elevated levels because of their proximity to emissions sources.   |
| Remote sensing                 | The use of instrumentation that may be deployed on ground-based, airborne, or spaceborne platforms that measures reflected or emitted radiation to collect information about air pollutant concentrations and meteorological conditions.  |
| Resource Center                | The California Air Resources Board's online repository that houses tools for community members, air districts, and other stakeholders to use when developing and implementing the Community Air Protection Program.<br><a href="https://ww2.arb.ca.gov/our-work/programs/Community-Air-Protection-Program">https://ww2.arb.ca.gov/our-work/programs/Community-Air-Protection-Program</a>                    |
| Sensitive receptors            | Includes hospitals, schools, and day care centers, and such other locations as the air district board or California Air Resources Board may determine.<br>California Health and Safety Code § 42705.5(a)(5)   |
| Source attribution             | An assessment identifying the contributing sources or categories of sources, including, but not limited to, stationary and mobile sources, and an estimate of their relative contribution to elevated exposure to air pollution in impacted communities.  |



## APPENDIX I – GLOSSARY

| TERM (ACRONYM)                      | DESCRIPTION  |
|-------------------------------------|--|
| Statewide assessment                | A document developed by California Air Resources Board (CARB) staff to summarize community information as well as air district and/or CARB statewide assessment outcomes for each community that is recommended to the CARB Governing Board for consideration for deployment of community air monitoring and/or the development of community emissions reduction programs. The statewide assessment provides an overview of the information used to make the staff's recommendation to the CARB Governing Board. |
| Stationary sources                  | Non-mobile sources such as power plants, refineries, and manufacturing facilities which emit air pollutants.   |
| Supplemental Environmental Projects | Community-based projects to improve public health, reduce pollution, increase environmental compliance, and bring public awareness to neighborhoods most burdened by environmental harm that are funded from a portion of the penalties received during settlement of enforcement actions. <a href="https://www.arb.ca.gov/enf/seppolicy.htm">https://www.arb.ca.gov/enf/seppolicy.htm</a>   |
| Toxic air contaminants              | An air pollutant, identified in regulation by CARB, which may cause or contribute to an increase in deaths or in serious illness, or which may pose a present or potential hazard to human health. Health effects of toxic air contaminants may occur at extremely low levels and it is typically difficult to identify levels of exposure that do not produce adverse health effects.   |
| Quality assurance                   | An integrated program used to document and provide confidence that data quality requirements will be fulfilled.  |
| Quality control                     | Quality control is a set of routine procedures used to verify the quality of data and ensure that data quality objectives are being met while monitoring is underway.  |

| Pollutants     | Example Sources                     | Platform |     |                |                   |
|----------------|-------------------------------------|----------|-----|----------------|-------------------|
|                |                                     | Trailer  | Van | Compact System | Stand Alone PM2.5 |
| PM2.5          | Mobile, industry, residential       | X        | X   | X              | X                 |
| Black Carbon   | Mobile, industry, residential       | X        | X   | X              |                   |
| NO, NO2, NOx   | Mobile, industry                    | X        | X   | X              |                   |
| CO             | Mobile                              | X        | X   | X              |                   |
| Ozone          | Regional, formed from VOC and NOx   | X        | X   | X              |                   |
| SO2, H2S       | Industry                            | X        | X   | X              |                   |
| VOC (BTEX)     | Gasoline distribution and marketing | X        | X   | X              |                   |
| VOC Auto GC/MS | Industry, mobile                    | X        | X   | X              |                   |
| Toxics         | Industry, mobile                    | X        | X   |                |                   |
| Meteorology    |                                     | X        | X   | X              |                   |

## Glossary

|                |   |
|----------------|---|
| PM2.5          | Particulate Matter of 2.5 microns or less                       |
| Black Carbon   | Primarily from diesel particulate matter                        |
| NO, NO2, NOx   | Oxides of Nitrogen (precursor to PM2.5, Ozone)                  |
| CO             | Carobon Monoxide  |
| Ozone          | Regional, formed from VOC and NOx                               |
| SO2, H2S       | Sulfur Dioxide, Hydrogen Sulfide                                |
| VOC (BTEX)     | Volitile Organic Compounds (Benzene, Toluene, Ethylene, Xylene) |
| VOC Auto GC/MS | Other non BTEX Volitile Organic Compounds                       |
| Toxics         | Many different compounds that can cause harmful health effects  |
| Meteorology    | Wind speed, wind direction, temperature, humidity               |

## Community Air Monitoring Network Design Worksheet

Full-sized Trailer = select top 2 air monitoring zones as your highest priority areas

Compact System = select top 3 air monitoring zones as your highest priority areas

PM2.5 Stand Alone = select 4 air monitoring zones as your highest priority areas

| Community Air Monitoring Zone | Full-Sized Trailer Priority<br>(select 2) | Compact System<br>(select 3) | PM2.5 Stand Alone<br>(select 4) | Other (explain pollutant, type of monitor, reason) |
|-------------------------------|---|------------------------------|---------------------------------|--|
| A                             |   |                              |                                 |  |
| B                             |   |                              |                                 |  |
| C                             |   |                              |                                 |  |
| D                             |   |                              |                                 |  |
| E                             |   |                              |                                 |  |
| F                             |   |                              |                                 |  |
| G                             |   |                              |                                 |  |
| H                             |   |                              |                                 |  |
| I                             |   |                              |                                 |  |
| J                             |   |                              |                                 |  |
| K                             |   |                              |                                 |  |

**South Central Fresno Air Monitoring Subcommittee Meeting #2**

**June 5, 2019**

**Subcommittee Member Information Packet**



# A General Framework for Thinking about Air Monitoring

## Some possible objectives of air monitoring:

- To determine where and when emissions are occurring.
- To determine which sources are primarily responsible for the air pollution.
- To track the progress of the Community Emissions Reduction Programs.
- To support public health research.
- To provide real-time air quality information so that community members can make informed choices and change their behavior to reduce exposure.
- To launch community awareness campaigns.
- To create a new regulatory system of air monitors (i.e. to produce data that could be used by local, state, and federal agencies to enforce regulations).
- *Other key objectives?*

## Some critical questions to ask regarding air monitoring and air monitoring systems:

- What will be the duration of air monitoring? How long will the monitor be up and running? What goals or purpose does this decision support?
- What are the specific time periods that should be monitored (i.e. specific seasons, day vs. night, after certain events or scenarios occur, etc.).
- What data already exists and how is it being used?
- Where should monitoring take place? What areas have been ground-truthed? What are the areas of greatest concern?
- Where are sensitive populations located? How should that inform the air monitoring?
- What should the data produced by the monitoring system be used for? And how should it be shared with the public?
- How will the community be involved in the actual implementation of air monitoring?
- *Other key questions?*

|                |                                     | Platform     |          |                     |                        |
|----------------|-------------------------------------|--------------|----------|---------------------|------------------------|
| Pollutants     | Example Sources                     | Trailer (x1) | Van (x1) | Compact System (x2) | Stand Alone PM2.5 (x4) |
| PM2.5          | Mobile, industry, residential       | x            | x        | x                   | x                      |
| Black Carbon   | Mobile, industry, residential       | x            | x        | x                   |                        |
| NO, NO2, NOx   | Mobile, industry                    | x            | x        | x                   |                        |
| CO             | Mobile                              | x            | x        | x                   |                        |
| Ozone          | Regional, formed from VOC and NOx   | x            | x        | x                   |                        |
| SO2, H2S       | Industry                            | x            | x        | x                   |                        |
| VOC (BTEX)     | Gasoline distribution and marketing | x            | x        | x                   |                        |
| VOC Auto GC/MS | Industry, mobile                    | x            |          |                     |                        |
| Toxics         | Industry, mobile                    | x            | x        |                     |                        |
| Meteorology    |                                     | x            | x        | x                   |                        |

## Glossary

|                |   |
|----------------|---|
| PM2.5          | Particulate Matter of 2.5 microns or less                       |
| Black Carbon   | Primarily from diesel particulate matter                        |
| NO, NO2, NOx   | Oxides of Nitrogen (precursor to PM2.5, Ozone)                  |
| CO             | Carobon Monoxide  |
| Ozone          | Regional, formed from VOC and NOx                               |
| SO2, H2S       | Sulfur Dioxide, Hydrogen Sulfide                                |
| VOC (BTEX)     | Volitile Organic Compounds (Benzene, Toluene, Ethylene, Xylene) |
| VOC Auto GC/MS | Other non BTEX Volitile Organic Compounds                       |
| Toxics         | Many different compounds that can cause harmful health effects  |
| Meteorology    | Wind speed, wind direction, temperature, humidity               |

## Current Air Monitoring Sites

| Air Monitoring Site  | Pollutants Measured                                 |
|----------------------|---|
| Fresno-Pacific (FP)  | PM2.5 (filter-based)                                |
| Fresno-Foundry (FF)  | NO2, Meteorology (+ real-time PM2.5 and CO in 2019) |
| Fresno-Drummond (FD) | Ozone, NO/NO2/NOx, PM10 (filter-based), Meteorology |

## Community Air Monitoring Network Design Worksheet

Full-sized Trailer = select top 2 air monitoring zones as your highest priority areas

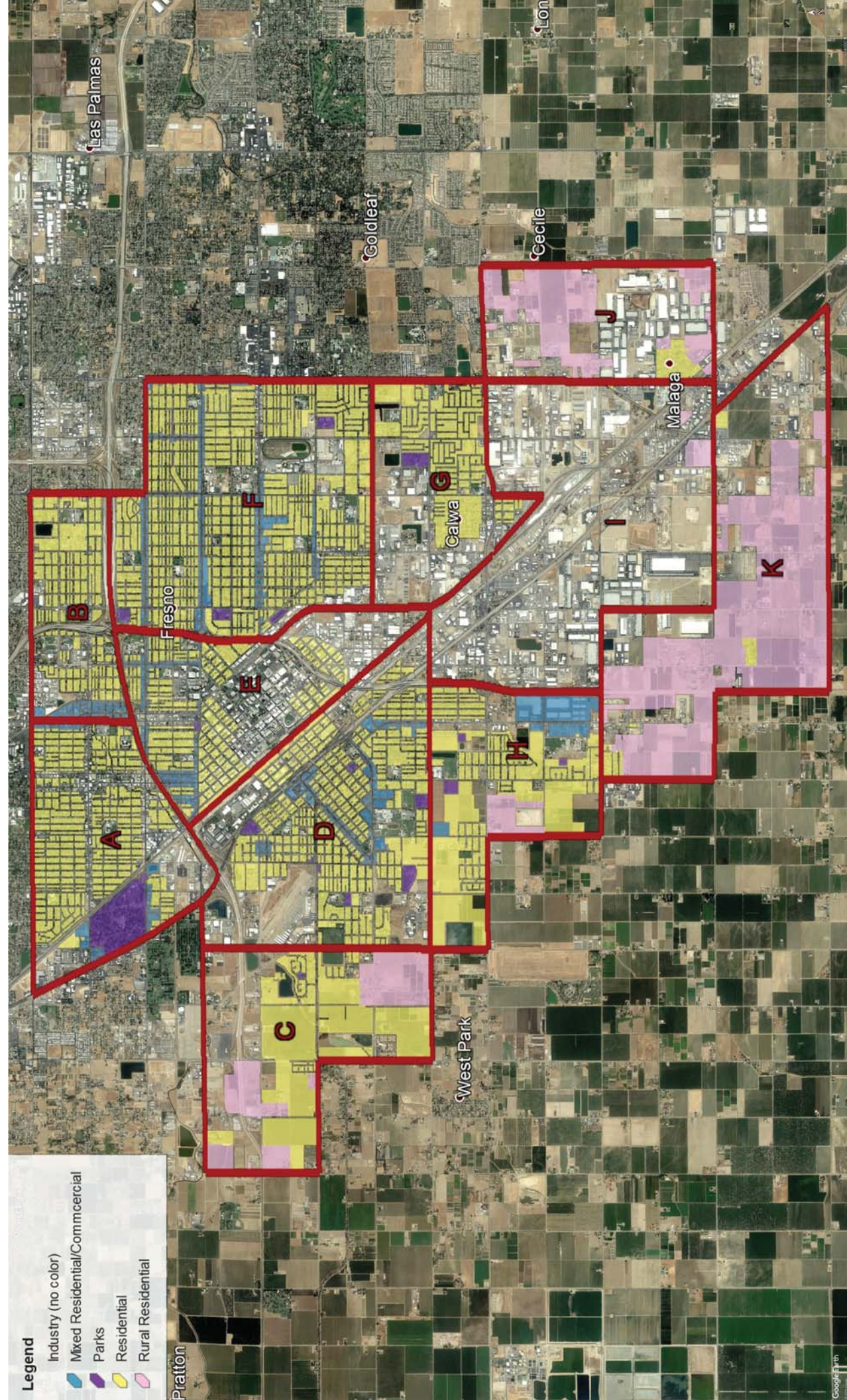
Compact System = select top 3 air monitoring zones as your highest priority areas

PM2.5 Stand Alone = select 4 air monitoring zones as your highest priority areas

| Community Air Monitoring Zone | Full-Sized Trailer Priority<br>(select 2) | Compact System<br>(select 3) | PM2.5 Stand Alone<br>(select 4) | Other (explain pollutant,<br>type of monitor, reason) |
|-------------------------------|---|------------------------------|---------------------------------|---|
| A                             |   |                              |                                 |   |
| B                             |   |                              |                                 |   |
| C                             |   |                              |                                 |   |
| D                             |   |                              |                                 |   |
| E                             |   |                              |                                 |   |
| F                             |   |                              |                                 |   |
| G                             |   |                              |                                 |   |
| H                             |   |                              |                                 |   |
| I                             |   |                              |                                 |   |
| J                             |   |                              |                                 |   |
| K                             |   |                              |                                 |   |



# 02 Land Use

















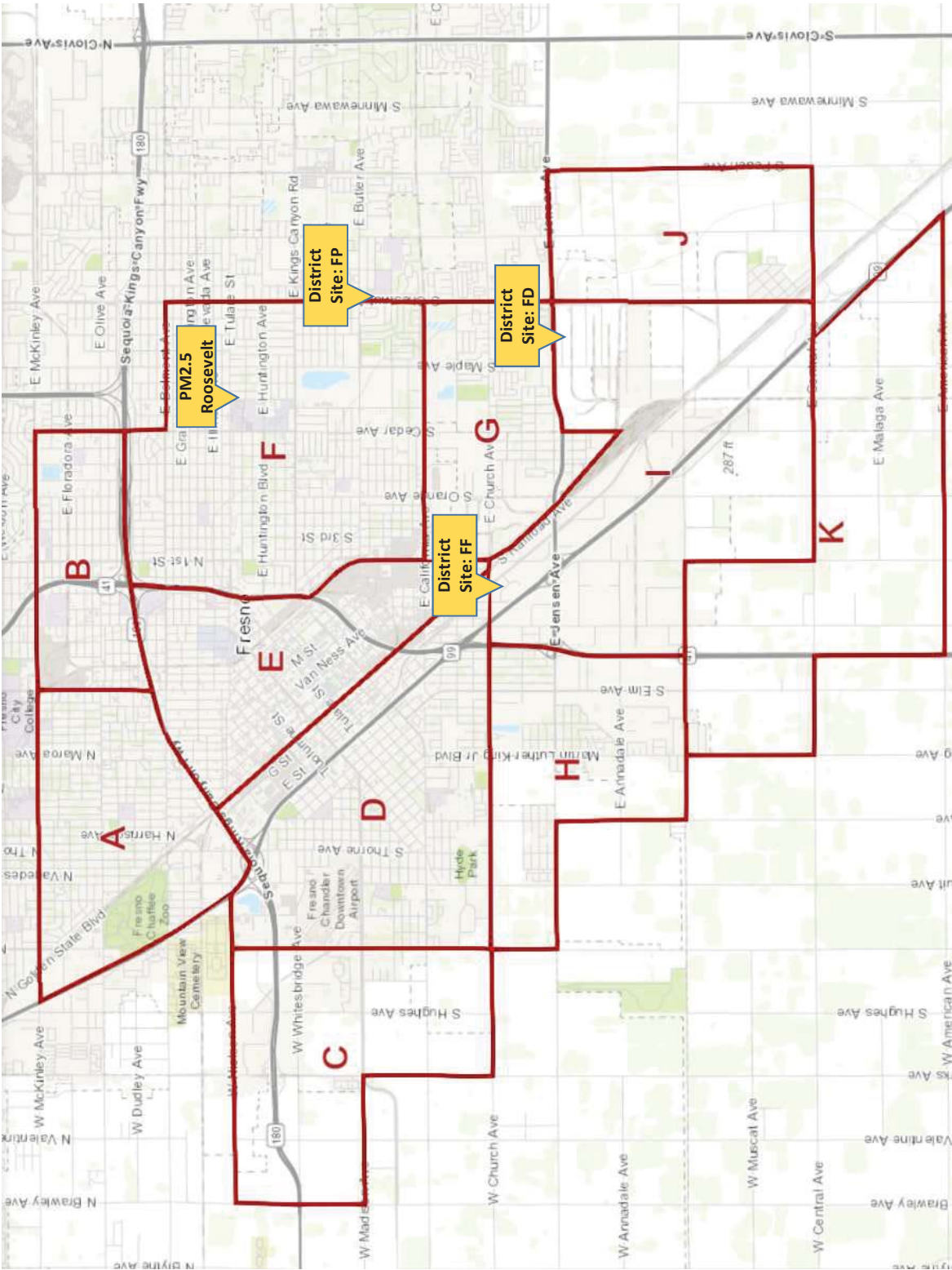






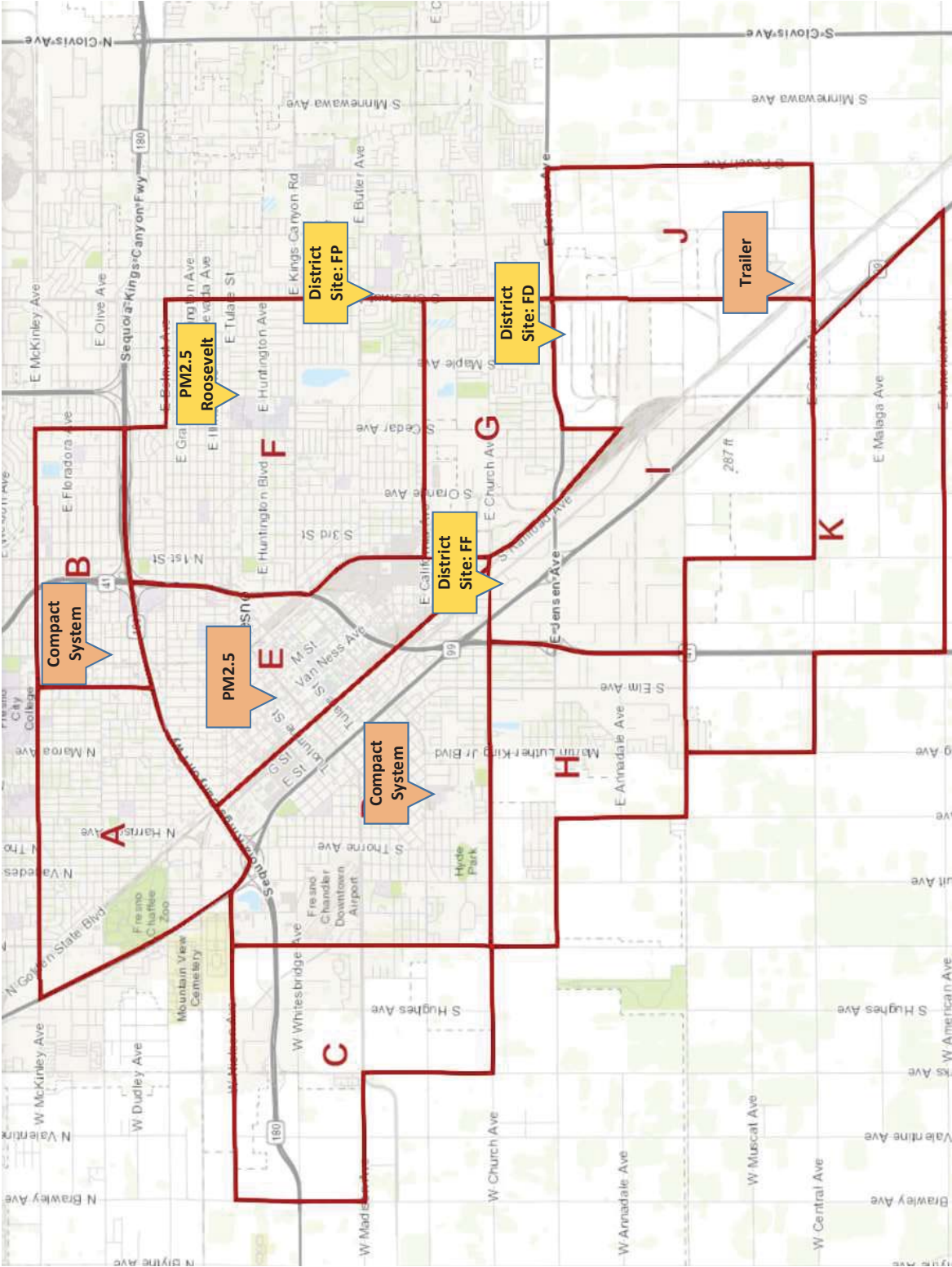


# Current Monitors Monitores Actuales

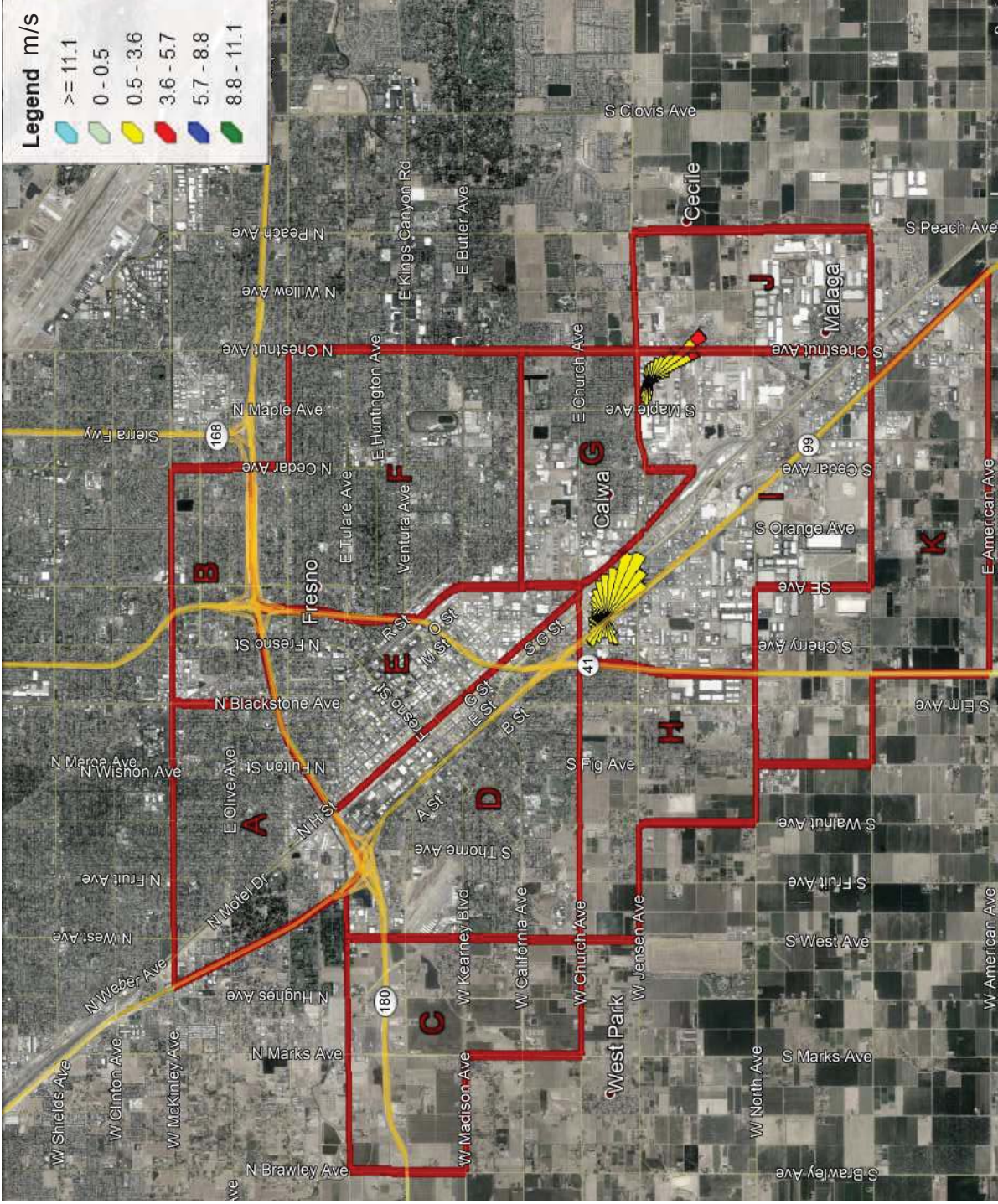




# Potential Design Diseño Potencial





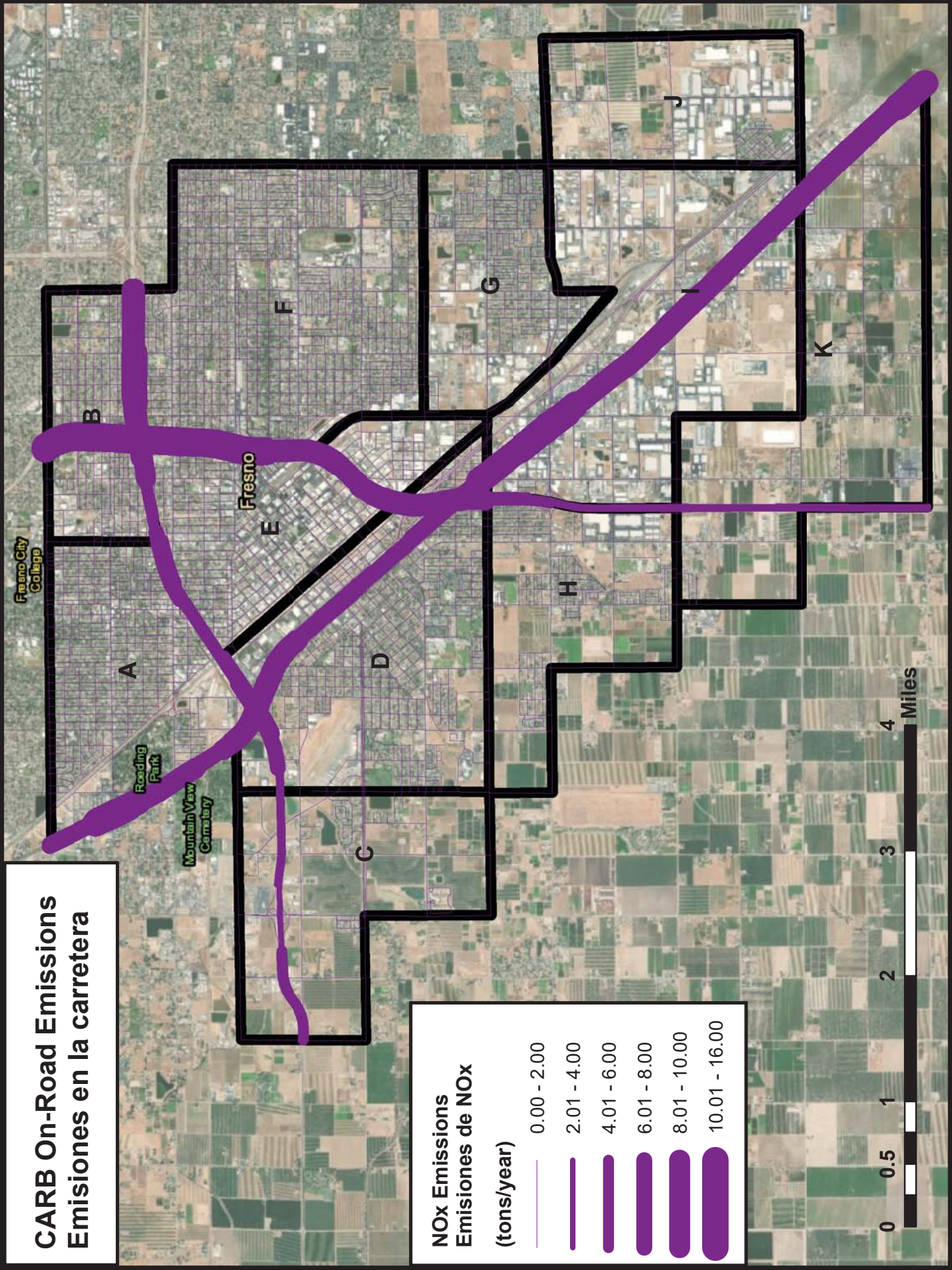
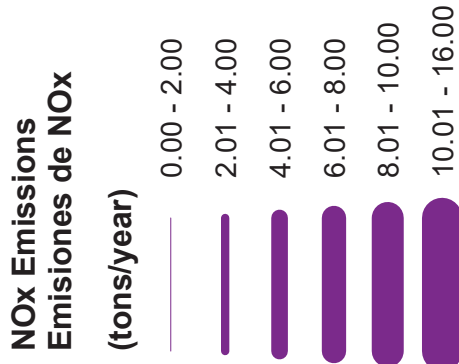


**Wind Rose:** how wind speed and direction are distributed at a given location for a certain time period.

**Spoke Color:** wind speed  
**Spoke Length:** how often wind blows TO that direction

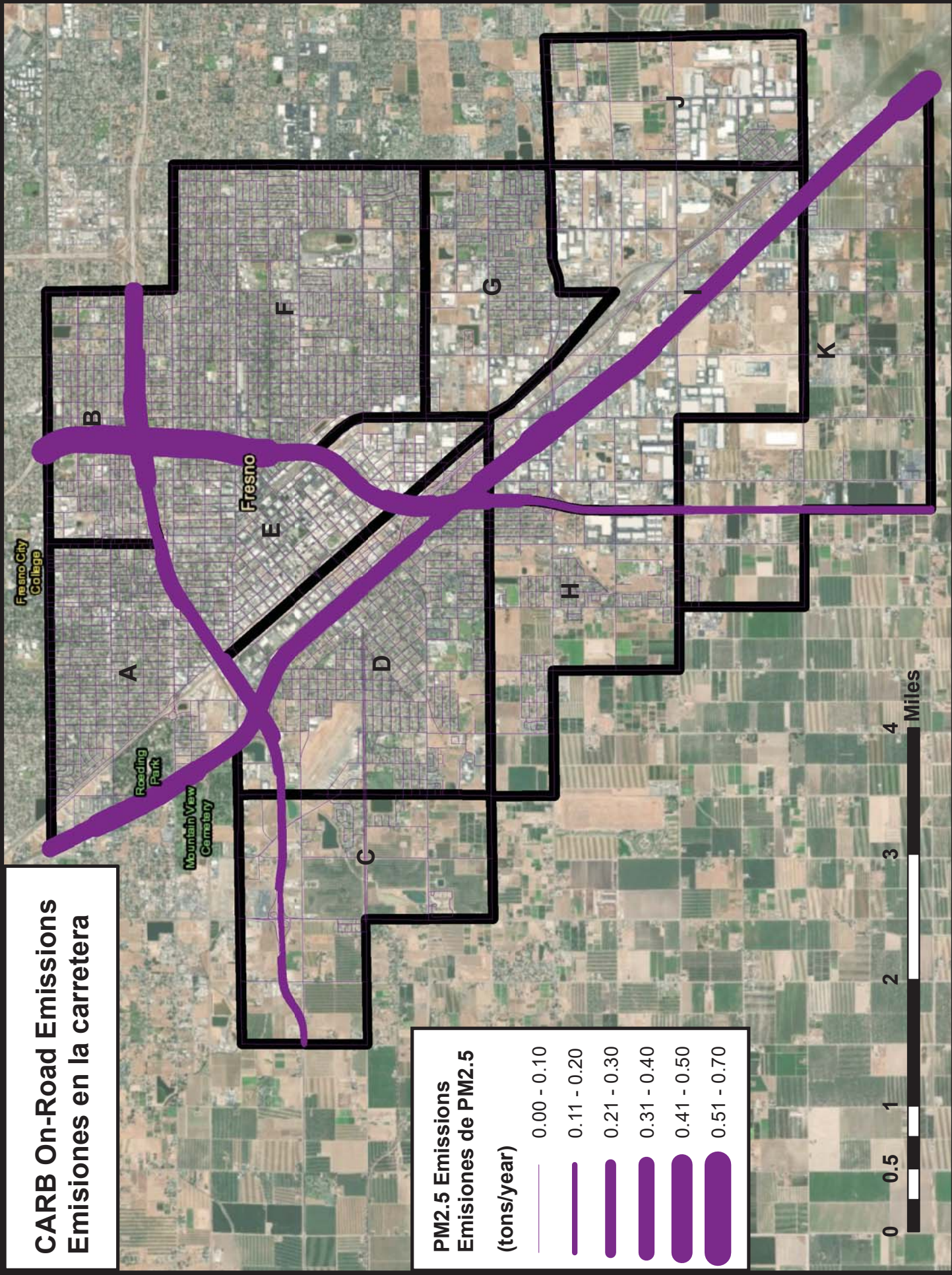
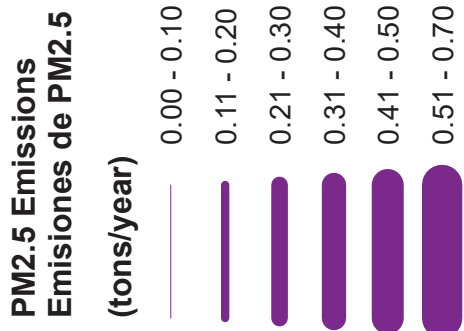


# CARB On-Road Emissions Emisiones en la carretera





# CARB On-Road Emissions Emisiones en la carretera

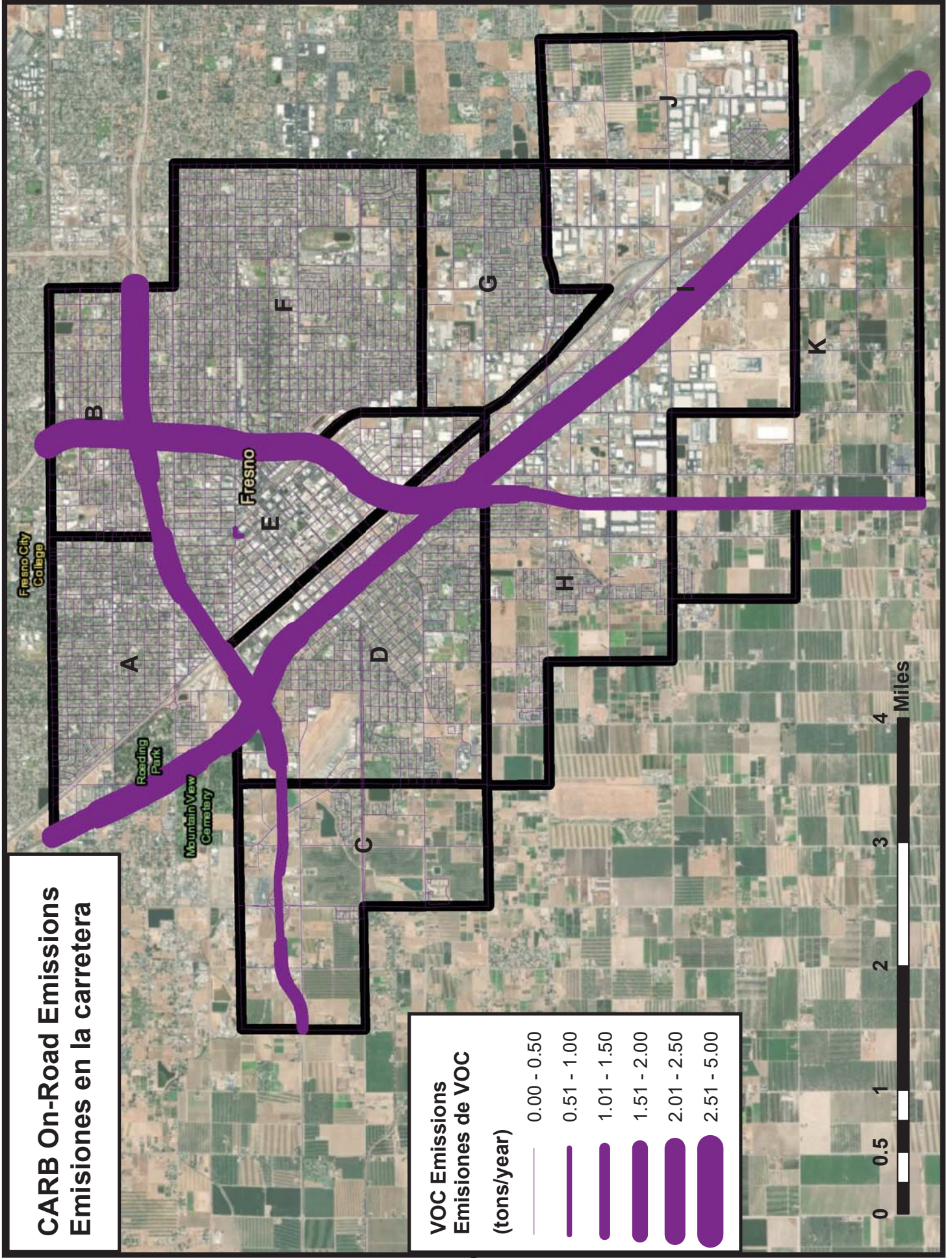




# CARB On-Road Emissions Emisiones en la carretera

## VOC Emissions Emisiones de VOC

(tons/year)



### Types of Area Emissions Sources

COOKING  
PAVED ROAD DUST  
RESIDENTIAL FUEL COMBUSTION  
CONSTRUCTION AND DEMOLITION  
FUGITIVE WINDBLOWN DUST  
SERVICE AND COMMERCIAL  
MANAGED BURNING AND DISPOSAL  
FIRES  
FARMING OPERATIONS  
MANUFACTURING AND INDUSTRIAL  
UNPAVED ROAD DUST

### Types of Off-Road Mobile Sources

CONSTRUCTION AND MINING EQUIPMENT  
INDUSTRIAL EQUIPMENT  
LOCOMOTIVES - SWITCHING  
COMMERCIAL  
LOCOMOTIVES - ROAD HAULING  
TRANSPORT REFRIGERATION UNITS  
LAWN AND GARDEN (COMMERCIAL)  
AGRICULTURAL EQUIPMENT  
LAWN AND GARDEN (RESIDENTIAL)

### Types of On-Road Mobile Sources

HEAVY-DUTY TRUCKS  
SCHOOL BUSES  
MEDIUM-DUTY TRUCKS  
LIGHT-DUTY TRUCKS  
PASSENGER VEHICLES  
MOTORCYCLES  
TRANSIT BUSES



Important Note: Mass emissions of air toxics, as represented below, should not be used to make conclusions about a facility's impacts on an individual's health. Effects on an individual's health depends upon a number of factors, including the concentration of toxics in the air, the potency (toxicity) of the chemical, and the length of exposure. In addition to the mass emissions of air toxics represented below, the concentration of toxics in the air at a specific location is also dependent on other factors such as, but not limited to, how the pollutant is emitted (stack height and direction, exit velocity and temperature of emissions), wind direction and speed, and distance to the receptor location.

The District is currently implementing a multi-year process under AB 2588 (Air Toxics "Hot Spots" Information and Assessment Act) to update this information and determine each facility's air toxics information and potential impact on the community, including performing complex dispersion modeling and health risk assessment of those facilities with the potential to create a health risk. The final phase of this process will be initiated in 2020. Updated air toxics information will be added to the District's AB 617 website as available: <http://community.valleyair.org/>

The information presented below addresses facility emissions only; however, a community may also be impacted by other types of sources such as mobile sources and dispersed areawide sources. These will be addressed in future enhancements to information available on the District's AB 617 website: <http://community.valleyair.org/>

The air toxics information presented below has been extracted from the State's CEIDARS database, available at: <https://www.arb.ca.gov/app/emsinv/facinfo/facinfo.php>

| Community Zone | DISTRICT ID | FACILITY NAME                          | FACILITY DESCRIPTION                   | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
|----------------|-------------|--|--|---------------------|---|-------|
| A              | 2699        | AMERICAN PAVING CO                     | ASPHALT PAVING MIXTURES                | 1                   | Toluene   | 0.78  |
| A              | 2699        | AMERICAN PAVING CO                     | ASPHALT PAVING MIXTURES                | 1                   | Xylenes (mixed)                                       | 0.23  |
| A              | 2699        | AMERICAN PAVING CO                     | ASPHALT PAVING MIXTURES                | 1                   | Benzene   | 0.05  |
| A              | 4073        | AP GILL INC. DBA ZOO LIQUOR and GAS    | GASOLINE DISPENSING                    | 1                   | Toluene   | 22.04 |
| A              | 4073        | AP GILL INC. DBA ZOO LIQUOR and GAS    | GASOLINE DISPENSING                    | 1                   | Xylenes (mixed)                                       | 6.57  |
| A              | 4073        | AP GILL INC. DBA ZOO LIQUOR and GAS    | GASOLINE DISPENSING                    | 1                   | Benzene   | 1.68  |
| A              | 7674        | CALIFORNIA DEPT OF TRANSPORTATION      | REGULATION AND ADMIN OF TRANSPORTATION | 2                   | Toluene   | 19.14 |
| A              | 7674        | CALIFORNIA DEPT OF TRANSPORTATION      | REGULATION AND ADMIN OF TRANSPORTATION | 2                   | Xylenes (mixed)                                       | 5.73  |
| A              | 7674        | CALIFORNIA DEPT OF TRANSPORTATION      | REGULATION AND ADMIN OF TRANSPORTATION | 2                   | Benzene   | 1.04  |
| A              | 189         | CALIFORNIA HIGHWAY PATROL #435         | POLICE PROTECTION                      | 1                   | Toluene   | 11.10 |
| A              | 189         | CALIFORNIA HIGHWAY PATROL #435         | POLICE PROTECTION                      | 1                   | Xylenes (mixed)                                       | 3.31  |
| A              | 189         | CALIFORNIA HIGHWAY PATROL #435         | POLICE PROTECTION                      | 1                   | Benzene   | 0.80  |
| A              | 1917        | CALIFORNIA-FRESNO OIL CO               | GASOLINE DISPENSING                    | 1                   | Toluene   | 64.69 |
| A              | 1917        | CALIFORNIA-FRESNO OIL CO               | GASOLINE DISPENSING                    | 1                   | Xylenes (mixed)                                       | 19.27 |
| A              | 1917        | CALIFORNIA-FRESNO OIL CO               | GASOLINE DISPENSING                    | 1                   | Benzene   | 4.93  |
| A              | 805         | CASTLE B INC DBA PARKSIDE CHEVRON      | GASOLINE DISPENSING                    | 1                   | Toluene   | 77.58 |
| A              | 805         | CASTLE B INC DBA PARKSIDE CHEVRON      | GASOLINE DISPENSING                    | 1                   | Xylenes (mixed)                                       | 23.27 |
| A              | 805         | CASTLE B INC DBA PARKSIDE CHEVRON      | GASOLINE DISPENSING                    | 1                   | Benzene   | 5.91  |
| A              | 2325        | CIRCLE K STORES INC                    | GASOLINE DISPENSING                    | 1                   | Toluene   | 45.36 |
| A              | 2325        | CIRCLE K STORES INC                    | GASOLINE DISPENSING                    | 1                   | Xylenes (mixed)                                       | 13.61 |
| A              | 1395        | FAST N ESY #21                         | GASOLINE DISPENSING                    | 1                   | Benzene   | 3.46  |
| A              | 1395        | FAST N ESY #21                         | GASOLINE DISPENSING                    | 1                   | Toluene   | 23.18 |
| A              | 1395        | FAST N ESY #21                         | GASOLINE DISPENSING                    | 1                   | Xylenes (mixed)                                       | 6.90  |
| A              | 3971        | FRESNO METROPOLITAN FLOOD CONTROL DIST | GOVERNMENT SERVICES                    | 1                   | Benzene   | 1.77  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.12  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Propylene   | 0.75  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Toluene   | 0.04  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Xylenes (mixed)                                       | 0.03  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Formaldehyde  | 0.02  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Ethyl benzene   | 0.01  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Benzene   | 0.01  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Hexane  | 0.01  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Acetaldehyde  | 0.00  |
| A              | 3224        | GREENWAY AUTOBODY                      | AUTO BODY SPRAY COATING                | 2                   | Acrolein  | 0.00  |



| Community Zone | DISTRICT ID | FACILITY NAME                            | FACILITY DESCRIPTION                   | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
|----------------|-------------|--|--|---------------------|---|-------|
| A              | 3224        | GREENWAY AUTOBODY                        | AUTO BODY SPRAY COATING                | 2                   | Naphthalene   | 0.00  |
| A              | 3224        | GREENWAY AUTOBODY                        | AUTO BODY SPRAY COATING                | 2                   | Benzol[a]pyrene                                       | 0.00  |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | Propylene   | 32.84 |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | Toluene   | 1.64  |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | Xylenes (mixed)                                       | 1.22  |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | Formaldehyde  | 0.76  |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | Ethyl benzene   | 0.43  |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | Hexane  | 0.36  |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | Acetaldehyde  | 0.28  |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | Acrolein  | 0.19  |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | Naphthalene   | 0.12  |
| A              | 3252        | LA TAPATIA TORTILLERIA INC               | CHIPS - SALTY SNACKS                   | 10                  | PAHs, total   | 0.01  |
| A              | 3706        | LEVEL 3 COMMUNICATIONS LLC               | TELECOMMUNICATIONS                     | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 14.67 |
| A              | 2404        | LOTUS COMMUNICATIONS, CORP               | TELECOMMUNICATIONS                     | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 3.03  |
| A              | 916         | PATTON SHEET METAL                       | PLUMBING, HEATING AND AIR CONDITIONING | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 3.34  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Propylene   | 32.74 |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Toluene   | 1.64  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Xylenes (mixed)                                       | 1.22  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Formaldehyde  | 0.76  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Ethyl benzene   | 0.43  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Benzene   | 0.36  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Hexane  | 0.28  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Acetaldehyde  | 0.19  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Acrolein  | 0.12  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Naphthalene   | 0.01  |
| A              | 3058        | PRODUCERS DAIRY FOODS, INC               | FLUID MILK                             | 2                   | Benzol[a]pyrene                                       | 0.00  |
| A              | 693         | QUICK FOOD STORE                         | GASOLINE DISPENSING                    | 1                   | Toluene   | 14.20 |
| A              | 693         | QUICK FOOD STORE                         | GASOLINE DISPENSING                    | 1                   | Xylenes (mixed)                                       | 4.26  |
| A              | 693         | QUICK FOOD STORE                         | GASOLINE DISPENSING                    | 1                   | Benzene   | 1.08  |
| A              | 4018        | SPRINT/UNITED MANAGEMENT COMPANY         | TELECOMMUNICATIONS                     | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.79  |
| A              | 8186        | STATE OF CALIFORNIA DEPT OF TRANSPORTATI | GOVERNMENTAL SERVICES                  | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 3.35  |
| A              | 1245        | TOWER GAS and MINI MART                  | GASOLINE DISPENSING                    | 1                   | Toluene   | 20.76 |
| A              | 1245        | TOWER GAS and MINI MART                  | GASOLINE DISPENSING                    | 1                   | Xylenes (mixed)                                       | 6.23  |
| A              | 1245        | TOWER GAS and MINI MART                  | GASOLINE DISPENSING                    | 1                   | Benzene   | 1.58  |
| A              | 1288        | UNITED PARCEL SERVICE                    | AIR COURIER SERVICES                   | 1                   | Toluene   | 13.25 |
| A              | 1288        | UNITED PARCEL SERVICE                    | AIR COURIER SERVICES                   | 1                   | Xylenes (mixed)                                       | 3.95  |
| A              | 1288        | UNITED PARCEL SERVICE                    | AIR COURIER SERVICES                   | 1                   | Benzene   | 1.01  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Benzene   | 5.96  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Formaldehyde  | 4.65  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Acetaldehyde  | 3.33  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Toluene   | 2.40  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Styrene   | 2.24  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Naphthalene   | 0.92  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Propionaldehyde                                       | 0.90  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Propylene   | 0.81  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Ethyl benzene   | 0.48  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | PAHs, total   | 0.37  |
| B              | 4116        | CARL'S JR.                               | RESTAURANT - FAST FOOD                 | 1                   | Xylenes (mixed)                                       | 0.36  |

| Community Zone | DISTRICT ID | FACILITY NAME                 | FACILITY DESCRIPTION   | # of ACTIVE PERMITS | POLLUTANT                             | 2017  |
|----------------|-------------|-------------------------------|------------------------|---------------------|---------------------------------------|-------|
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Phenol                                | 0.27  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Phenanthrene                          | 0.21  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Acenaphthylene                        | 0.20  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Ethylene dichloride [EDC]             | 0.16  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Biphenyl                              | 0.10  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Pyrene                                | 0.06  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Fluorene                              | 0.05  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Fluoranthene                          | 0.05  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Anthracene                            | 0.04  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Cresols (mixtures of) (Cresylic acid) | 0.04  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Acetophenone                          | 0.03  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Dibutyl phthalate                     | 0.02  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Benz[a]anthracene                     | 0.01  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Acenaphthene                          | 0.01  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Benz[ghi]perylene                     | 0.01  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Hexane                                | 0.01  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Benz[ghi]perylene                     | 0.01  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Indeno[1,2,3-cd]pyrene                | 0.00  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | Acrolein                              | 0.00  |
| B              | 4116        | CARL'S JR.                    | RESTAURANT - FAST FOOD | 1                   | PAHs, total                           | 0.00  |
| B              | 2313        | CIRCLE D FOOD and LIQUOR      | GASOLINE DISPENSING    | 1                   | Toluene                               | 16.32 |
| B              | 2313        | CIRCLE D FOOD and LIQUOR      | GASOLINE DISPENSING    | 1                   | Xylenes (mixed)                       | 4.90  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Benzene                               | 1.24  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | 1,1,2,2-Tetrachloroethane             | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | 1,1,2-Trichloroethane                 | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | 1,1-Dichloroethane                    | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | 1,2,4-Trimethylbenzene                | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | 1,2-Dichloropropane                   | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | 1,3-Butadiene                         | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | 2,2,4-Trimethylpentane                | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | 2-Methyl naphthalene                  | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Acenaphthene                          | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Acenaphthylene                        | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Acetaldehyde                          | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Acrolein                              | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Benzene                               | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Benzol[fluoranthene                   | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Benzol[pyrene                         | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Benzol[g,h,i]perylene                 | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Biphenyl                              | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Carbon tetrachloride                  | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Chlorobenzene                         | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Chloroform                            | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Chrysene                              | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Ethyl benzene                         | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Ethylene dibromide (EDB)              | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Ethylene dichloride [EDC]             | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Fluoranthene                          | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Fluorene                              | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Formaldehyde                          | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Hexane                                | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Methanol                              | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Methylene chloride (Dichloromethane)  | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION | GOVERNMENT SERVICES    | 1                   | Naphthalene                           | 0.00  |

| Community Zone | DISTRICT ID | FACILITY NAME                          | FACILITY DESCRIPTION             | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
|----------------|-------------|--|----------------------------------|---------------------|---|-------|
| B              | 2079        | CITY OF FRESNO WATER DIVISION          | GOVERNMENT SERVICES              | 1                   | PAHs, total   | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION          | GOVERNMENT SERVICES              | 1                   | Phenanthrene  | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION          | GOVERNMENT SERVICES              | 1                   | Phenol  | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION          | GOVERNMENT SERVICES              | 1                   | Pyrene  | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION          | GOVERNMENT SERVICES              | 1                   | Styrene   | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION          | GOVERNMENT SERVICES              | 1                   | Toluene   | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION          | GOVERNMENT SERVICES              | 1                   | Vinyl chloride  | 0.00  |
| B              | 2079        | CITY OF FRESNO WATER DIVISION          | GOVERNMENT SERVICES              | 1                   | Xylenes (mixed)                                       | 0.00  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Manganese   | 0.26  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Zinc  | 0.06  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Copper  | 0.02  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Nickel  | 0.02  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Arsenic   | 0.01  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Lead  | 0.01  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Chromium, hexavalent (& compounds)                    | 0.00  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Beryllium   | 0.00  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Cadmium   | 0.00  |
| B              | 473         | E-Z HAUL READY MIX                     | READY-MIX CONCRETE               | 6                   | Selenium  | 0.00  |
| B              | 8043        | FAMILY EXPRESS FOOD AND DELI           | GASOLINE DISPENSING              | 1                   | Toluene   | 37.22 |
| B              | 8043        | FAMILY EXPRESS FOOD AND DELI           | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 11.09 |
| B              | 8043        | FAMILY EXPRESS FOOD AND DELI           | GASOLINE DISPENSING              | 1                   | Benzene   | 2.84  |
| B              | 9222        | FRESNO MOSQUITO and VCD                | MOSQUITO ABATEMENT DISTRICT      | 1                   | Toluene   | 2.72  |
| B              | 9222        | FRESNO MOSQUITO and VCD                | MOSQUITO ABATEMENT DISTRICT      | 1                   | Xylenes (mixed)                                       | 0.82  |
| B              | 9222        | FRESNO MOSQUITO and VCD                | MOSQUITO ABATEMENT DISTRICT      | 1                   | Benzene   | 0.10  |
| B              | 3890        | FRESNO UNIFIED SCHOOL DISTRICT         | ELEMENTARY AND SECONDARY SCHOOLS | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.63  |
| B              | 2312        | HARMON STAR MART #2 (AVTAR SINGH)      | GASOLINE DISPENSING              | 1                   | Toluene   | 41.18 |
| B              | 2312        | HARMON STAR MART #2 (AVTAR SINGH)      | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 12.35 |
| B              | 2312        | HARMON STAR MART #2 (AVTAR SINGH)      | GASOLINE DISPENSING              | 1                   | Benzene   | 3.14  |
| B              | 3483        | JKR VENTURES INC DBA R and S MINI MART | GASOLINE DISPENSING              | 1                   | Toluene   | 52.38 |
| B              | 3483        | JKR VENTURES INC DBA R and S MINI MART | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 15.66 |
| B              | 3483        | JKR VENTURES INC DBA R and S MINI MART | GASOLINE DISPENSING              | 1                   | Benzene   | 3.99  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Propylene   | 0.06  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Toluene   | 0.00  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Xylenes (mixed)                                       | 0.00  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Formaldehyde  | 0.00  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Ethyl benzene   | 0.00  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Benzene   | 0.00  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Hexane  | 0.00  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Acetaldehyde  | 0.00  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Acrolein  | 0.00  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | PAHs, total   | 0.00  |
| B              | 1081        | SCHMIDTS AUTOBODY SHOP                 | AUTO BODY SPRAY COATING          | 2                   | Naphthalene   | 0.00  |
| B              | 8745        | VERIZON WIRELESS - EFFIE               | WIRELESS TELECOMMUNICATIONS      | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.02  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                | 2                   | Propylene   | 1.41  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                | 2                   | Toluene   | 0.07  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                | 2                   | Xylenes (mixed)                                       | 0.05  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                | 2                   | Formaldehyde  | 0.03  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                | 2                   | Ethyl benzene   | 0.02  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                | 2                   | Benzene   | 0.02  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                | 2                   | Hexane  | 0.01  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                | 2                   | Acetaldehyde  | 0.01  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                | 2                   | Acrolein  | 0.01  |



| Community Zone | DISTRICT ID | FACILITY NAME                          | FACILITY DESCRIPTION               | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
|----------------|-------------|--|------------------------------------|---------------------|---|-------|
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                  | 2                   | PAHs, total   | 0.00  |
| B              | 3589        | WESTROCK CONVERTING LLC                | BOX MANUFACTURING                  | 2                   | Naphthalene   | 0.00  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Hydrochloric acid                                     | 76.40 |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Mercury   | 4.26  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Toluene   | 0.88  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Hydrogen fluoride                                     | 0.69  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Xylenes (mixed)                                       | 0.25  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Acetaldehyde  | 0.13  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Lead  | 0.09  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Benzene   | 0.06  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Selenium  | 0.06  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Arsenic   | 0.05  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Nickel  | 0.05  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Zinc  | 0.05  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Copper  | 0.04  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Formaldehyde  | 0.04  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Chromium  | 0.03  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Chromium, hexavalent (& compounds)                    | 0.02  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Cadmium   | 0.01  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | PAHs, total   | 0.00  |
| C              | 3537        | FRESNO PET CEMETERY                    | ANIMAL CEMETERY                    | 3                   | Beryllium   | 0.00  |
| C              | 3084        | FRESNO TRACTOR INC                     | FARM MACHINERY AND EQUIPMENT       | 2                   | Toluene   | 0.10  |
| C              | 3084        | FRESNO TRACTOR INC                     | FARM MACHINERY AND EQUIPMENT       | 2                   | Xylenes (mixed)                                       | 0.03  |
| C              | 3084        | FRESNO TRACTOR INC                     | FARM MACHINERY AND EQUIPMENT       | 2                   | Benzene   | 0.01  |
| C              | 1868        | MANHEIM CENTRAL CA/TRA-CENTRAL CA      | AUTOMOBILE AUCTION WHOLESALE       | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.70  |
| C              | 8176        | VETERANS HOME OF CALIFORNIA, FRESNO    | NURSING AND PERSONAL CARE FACILITY | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 11.66 |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Propylene   | 31.68 |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Toluene   | 1.58  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Xylenes (mixed)                                       | 1.18  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Formaldehyde  | 0.74  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Ethyl benzene   | 0.41  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Benzene   | 0.35  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Hexane  | 0.27  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Acetaldehyde  | 0.19  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Acrolein  | 0.14  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Naphthalene   | 0.02  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | PAHs, total   | 0.01  |
| D              | 2108        | AMERIPRIDE UNIFORM SERVICES            | INDUSTRIAL LAUNDERERS              | 5                   | Benzol[a]pyrene                                       | 0.00  |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | Propylene   | 20.01 |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | Toluene   | 1.00  |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | Xylenes (mixed)                                       | 0.74  |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | Formaldehyde  | 0.47  |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | Ethyl benzene   | 0.26  |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | Benzene   | 0.22  |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | Hexane  | 0.17  |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | Acetaldehyde  | 0.12  |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | Acrolein  | 0.07  |
| D              | 859         | ANGELICA                               | INDUSTRIAL LAUNDERERS              | 11                  | PAHs, total   | 0.01  |
| D              | 7994        | BEAL DEVELOPMENT LLC-CHEVRON FOOD MART | INDUSTRIAL LAUNDERERS              | 11                  | Naphthalene   | 0.01  |
| D              | 7994        | BEAL DEVELOPMENT LLC-CHEVRON FOOD MART | GASOLINE DISPENSING                | 1                   | Toluene   | 74.63 |
| D              | 7994        | BEAL DEVELOPMENT LLC-CHEVRON FOOD MART | GASOLINE DISPENSING                | 1                   | Xylenes (mixed)                                       | 22.39 |
| D              | 7994        | BEAL DEVELOPMENT LLC-CHEVRON FOOD MART | GASOLINE DISPENSING                | 1                   | Benzene   | 5.69  |

| Community Zone | DISTRICT ID | FACILITY NAME                           | FACILITY DESCRIPTION                | # of ACTIVE PERMITS | POLLUTANT   | 2017   |
|----------------|-------------|---|-------------------------------------|---------------------|---|--------|
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Naphthalene   | 1.09   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Propylene   | 0.61   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Acenaphthylene  | 0.23   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Phenanthrene  | 0.23   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Biphenyl  | 0.12   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Pyrene  | 0.05   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Fluorene  | 0.05   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Anthracene  | 0.04   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Fluoranthene  | 0.04   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Toluene   | 0.03   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Xylenes (mixed)                                       | 0.02   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | PAHs, total   | 0.02   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Formaldehyde  | 0.01   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Acenaphthene  | 0.01   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Benz[a]anthracene                                     | 0.01   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Benzo[a]pyrene  | 0.01   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Ethyl benzene   | 0.01   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Benzo[g,h,i]perylene                                  | 0.01   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Benzene   | 0.01   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Hexane  | 0.01   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Indeno[1,2,3-cd]pyrene                                | 0.00   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Acetaldehyde  | 0.00   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | Acrolein  | 0.00   |
| D              | 4107        | BURGER KING #12875/1 DOUBLE ON NINE INC | RESTAURANT - FAST FOOD              | 1                   | PAHs, total   | 0.00   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Propylene   | 259.05 |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Toluene   | 12.95  |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Xylenes (mixed)                                       | 9.63   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Formaldehyde  | 6.01   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Ethyl benzene   | 3.37   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Benzene   | 2.83   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Hexane  | 2.25   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Acetaldehyde  | 1.52   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Acrolein  | 1.32   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Diesel engine exhaust, particulate matter (Diesel PM) | 0.79   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | PAHs, total   | 0.20   |
| D              | 402         | CALIFORNIA DAIRIES, INC.                | MILK PROCESSING                     | 13                  | Naphthalene   | 0.15   |
| D              | 331         | CITY OF FRESNO                          | GOVERNMENT SERVICES                 | 2                   | Toluene   | 40.81  |
| D              | 331         | CITY OF FRESNO                          | GOVERNMENT SERVICES                 | 2                   | Xylenes (mixed)                                       | 12.16  |
| D              | 331         | CITY OF FRESNO                          | GOVERNMENT SERVICES                 | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 5.80   |
| D              | 331         | CITY OF FRESNO                          | GOVERNMENT SERVICES                 | 2                   | Benzene   | 3.11   |
| D              | 7368        | CITY OF FRESNO                          | GOVERNMENT SERVICES                 | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.23   |
| D              | 3852        | CITY OF FRESNO (SOLID WASTE MGT DIV)    | GOVERNMENT SERVICES                 | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.40   |
| D              | 967         | FAMILY EXPRESS FOOD and LIQUOR #2       | GASOLINE DISPENSING                 | 1                   | Toluene   | 37.19  |
| D              | 967         | FAMILY EXPRESS FOOD and LIQUOR #2       | GASOLINE DISPENSING                 | 1                   | Xylenes (mixed)                                       | 11.16  |
| D              | 967         | FAMILY EXPRESS FOOD and LIQUOR #2       | GASOLINE DISPENSING                 | 1                   | Benzene   | 2.83   |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT           | POULTRY SLAUGHTERING AND PROCESSING | 2                   | Propylene   | 31.64  |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT           | POULTRY SLAUGHTERING AND PROCESSING | 2                   | Toluene   | 1.58   |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT           | POULTRY SLAUGHTERING AND PROCESSING | 2                   | Xylenes (mixed)                                       | 1.18   |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT           | POULTRY SLAUGHTERING AND PROCESSING | 2                   | Formaldehyde  | 0.73   |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT           | POULTRY SLAUGHTERING AND PROCESSING | 2                   | Ethyl benzene   | 0.41   |

| Community Zone | DISTRICT ID | FACILITY NAME                 | FACILITY DESCRIPTION                   | # of ACTIVE PERMITS | POLLUTANT   | 2017   |
|----------------|-------------|-------------------------------|--|---------------------|---|--------|
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT | POULTRY SLAUGHTERING AND PROCESSING    | 2                   | Benzene   | 0.35   |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT | POULTRY SLAUGHTERING AND PROCESSING    | 2                   | Hexane  | 0.27   |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT | POULTRY SLAUGHTERING AND PROCESSING    | 2                   | Acetaldehyde  | 0.19   |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT | POULTRY SLAUGHTERING AND PROCESSING    | 2                   | Acrolein  | 0.16   |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT | POULTRY SLAUGHTERING AND PROCESSING    | 2                   | Naphthalene   | 0.02   |
| D              | 1406        | FOSTER FARMS, BELGRAVIA PLANT | POULTRY SLAUGHTERING AND PROCESSING    | 2                   | Benzolajpyrene  | 0.01   |
| D              | 517         | FRANK RUIZ AVIONICS           | AIRPORTS AND AIRPORT TERMINAL SERVICES | 1                   | Toluene   | 14.95  |
| D              | 517         | FRANK RUIZ AVIONICS           | AIRPORTS AND AIRPORT TERMINAL SERVICES | 1                   | Xylenes (mixed)                                       | 4.48   |
| D              | 517         | FRANK RUIZ AVIONICS           | AIRPORTS AND AIRPORT TERMINAL SERVICES | 1                   | Benzene   | 0.62   |
| D              | 1117        | FRESNO 99 INVESTMENTS LLC     | GASOLINE DISPENSING                    | 1                   | Toluene   | 186.73 |
| D              | 1117        | FRESNO 99 INVESTMENTS LLC     | GASOLINE DISPENSING                    | 1                   | Xylenes (mixed)                                       | 56.02  |
| D              | 1117        | FRESNO 99 INVESTMENTS LLC     | GASOLINE DISPENSING                    | 1                   | Benzene   | 14.23  |
| D              | 528         | FRESNO AREA EXPRESS           | BUS LINE OPERATION                     | 7                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.98   |
| D              | 521         | FRESNO BEE                    | NEWSPAPER                              | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.82   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Hydrochloric acid                                     | 21.43  |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Mercury   | 1.33   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Toluene   | 1.16   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Hydrogen fluoride                                     | 0.18   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Xylenes (mixed)                                       | 0.16   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Zinc  | 0.13   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Benzene   | 0.05   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Thallium  | 0.03   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Naphthalene   | 0.03   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Lead  | 0.03   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Vanadium (fume or dust)                               | 0.02   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Selenium  | 0.02   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Arsenic   | 0.02   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Nickel  | 0.01   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Antimony  | 0.01   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Copper  | 0.01   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Vinyl chloride  | 0.01   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Barium  | 0.01   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Acetaldehyde  | 0.01   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Chromium  | 0.01   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Molybdenum trioxide                                   | 0.01   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Chromium, hexavalent (& compounds)                    | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Cadmium   | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Silver  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Formaldehyde  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Cobalt  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Phenanthrene  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Beryllium   | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Fluorene  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Anthracene  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Fluoranthene  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Pyrene  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Acenaphthylene  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Acenaphthene  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Chrysene  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Benzolajpyrene  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Benzolajh,jlperylene                                  | 0.00   |
| D              | 7218        | GOLDEN STATE CREMATORY INC    | NONCLASSIFIABLE ESTABLISHMENTS         | 1                   | Benz[aj]anthracene                                    | 0.00   |



| Community Zone | DISTRICT ID | FACILITY NAME                            | FACILITY DESCRIPTION             | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
|----------------|-------------|--|----------------------------------|---------------------|---|-------|
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | Benzol[b]fluoranthene                                 | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | Indenol[1,2,3-cd]pyrene                               | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | Benzol[k]fluoranthene                                 | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | Dibenz[a,h]anthracene                                 | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,4,6,7,8-Heptachlorodibenzofuran                 | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin             | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,7,8,9-Hexachlorodibenzofuran                    | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin                | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 2,3,4,7,8-Pentachlorodibenzofuran                     | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,6,7,8-Hexachlorodibenzofuran                    | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 2,3,7,8-Tetrachlorodibenzofuran                       | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin                | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin                | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 2,3,4,6,7,8-Hexachlorodibenzofuran                    | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,7,8-Pentachlorodibenzofuran                     | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,4,7,8-Heptachlorodibenzofuran                   | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,4,7,8-Heptachlorodibenzo-p-dioxin               | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 1,2,3,7,8-Pentachlorodibenzo-p-dioxin                 | 0.00  |
| D              | 7218        | GOLDEN STATE CREMATORY INC               | NONCLASSIFIABLE ESTABLISHMENTS   | 1                   | 2,3,7,8-Tetrachlorodibenzo-p-dioxin                   | 0.00  |
| D              | 2873        | KFSN-TV, CAPITAL CITIES/ABC INC          | TELEVISION BROADCASTING          | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.34  |
| D              | 2494        | KING INDUSTRIAL HARD CHROME              | CHROME PLATING                   | 2                   | Chromium, hexavalent (& compounds)                    | 0.00  |
| D              | 3725        | MEMLEY AVIATION                          | AIR TRANSPORTATION, NONSCHEDULED | 1                   | Toluene   | 31.50 |
| D              | 3725        | MEMLEY AVIATION                          | AIR TRANSPORTATION, NONSCHEDULED | 1                   | Xylenes (mixed)                                       | 9.45  |
| D              | 3725        | MEMLEY AVIATION                          | AIR TRANSPORTATION, NONSCHEDULED | 1                   | Benzene   | 1.31  |
| D              | 84          | VALLEY GAS AND MINI MART (AJITPAL SINGH) | GASOLINE DISPENSING              | 1                   | Toluene   | 23.55 |
| D              | 84          | VALLEY GAS AND MINI MART (AJITPAL SINGH) | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 7.02  |
| D              | 84          | VALLEY GAS AND MINI MART (AJITPAL SINGH) | GASOLINE DISPENSING              | 1                   | Benzene   | 1.80  |
| E              | 7389        | 1060 FULTON MALL LLC                     | DEPARTMENT STORE                 | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.14  |
| E              | 7421        | 5TH APPELLATE COURT OF CALIFORNIA        | GOVERNMENT SERVICES              | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 4.67  |
| E              | 46          | ABBY ARCO                                | GASOLINE DISPENSING              | 1                   | Toluene   | 71.88 |
| E              | 46          | ABBY ARCO                                | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 21.56 |
| E              | 46          | ABBY ARCO                                | GASOLINE DISPENSING              | 1                   | Benzene   | 5.48  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Propylene   | 1.59  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Toluene   | 0.08  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Xylenes (mixed)                                       | 0.06  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Formaldehyde  | 0.04  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Ethyl benzene   | 0.02  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Benzene   | 0.02  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Hexane  | 0.01  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Acetaldehyde  | 0.01  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Acrolein  | 0.01  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Naphthalene   | 0.00  |
| E              | 61          | ARROW ELECTRIC                           | ELECTRICAL REPAIR                | 3                   | Benzol[a]pyrene                                       | 0.00  |
| E              | 4114        | CARL'S JR.                               | RESTAURANT - FAST FOOD           | 3                   | Benzene   | 5.88  |
| E              | 4114        | CARL'S JR.                               | RESTAURANT - FAST FOOD           | 1                   | Formaldehyde  | 4.58  |
| E              | 4114        | CARL'S JR.                               | RESTAURANT - FAST FOOD           | 1                   | Acetaldehyde  | 3.28  |
| E              | 4114        | CARL'S JR.                               | RESTAURANT - FAST FOOD           | 1                   | Toluene   | 2.36  |
| E              | 4114        | CARL'S JR.                               | RESTAURANT - FAST FOOD           | 1                   | Styrene   | 2.21  |
| E              | 4114        | CARL'S JR.                               | RESTAURANT - FAST FOOD           | 1                   | Naphthalene   | 0.90  |
| E              | 4114        | CARL'S JR.                               | RESTAURANT - FAST FOOD           | 1                   | Propionaldehyde                                       | 0.88  |
| E              | 4114        | CARL'S JR.                               | RESTAURANT - FAST FOOD           | 1                   | Propylene   | 0.69  |

| Community Zone | DISTRICT ID | FACILITY NAME                    | FACILITY DESCRIPTION                 | # of ACTIVE PERMITS | POLLUTANT   | 2017 |
|----------------|-------------|----------------------------------|--------------------------------------|---------------------|---|------|
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Ethyl benzene   | 0.47 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | PAHs, total   | 0.36 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Xylenes (mixed)                                       | 0.35 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Phenol  | 0.27 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Phenanthrene  | 0.21 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Acenaphthylene  | 0.19 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Ethylene dichloride [EDC]                             | 0.16 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Biphenyl  | 0.10 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Pyrene  | 0.06 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Fluorene  | 0.05 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Fluoranthene  | 0.05 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Anthracene  | 0.04 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Cresols (mixtures of) [Cresylic acid]                 | 0.04 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Acetophenone  | 0.03 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Dibutyl phthalate                                     | 0.02 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Benz[a]anthracene                                     | 0.01 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Acenaphthene  | 0.01 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Benzofluorene   | 0.01 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Hexane  | 0.01 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Indeno[1,2,3-cd]pyrene                                | 0.00 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | Acrolein  | 0.00 |
| E              | 4114        | CARL'S JR.                       | RESTAURANT - FAST FOOD               | 1                   | PAHs, total   | 0.00 |
| E              | 3615        | CITY OF FRESNO                   | GOVERNMENT SERVICES                  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.98 |
| E              | 6969        | CITY OF FRESNO                   | GOVERNMENT SERVICES                  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.71 |
| E              | 4020        | CITY OF FRESNO                   | GOVERNMENT SERVICES                  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.14 |
| E              | 7673        | CITY OF FRESNO FIRE DEPARTMENT   | CITY MUNICIPAL SERVICES              | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.10 |
| E              | 7           | CITY OF FRESNO, CITY HALL        | GOVERNMENT SERVICES                  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.07 |
| E              | 3885        | CITY OF FRESNO, POLICE DEPT      | POLICE PROTECTION                    | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 3.55 |
| E              | 3296        | COMCAST CABLE COMMUNICATIONS INC | CABLE TELEVISION SERVICES            | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.69 |
| E              | 3903        | COUNTY OF FRESNO                 | CORRECTIONAL INSTITUTION             | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 7.39 |
| E              | 3920        | COUNTY OF FRESNO                 | GOVERNMENT SERVICES                  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 3.49 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Propylene   | 0.24 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Toluene   | 0.01 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Xylenes (mixed)                                       | 0.01 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Formaldehyde  | 0.01 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Ethyl benzene   | 0.00 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Benzene   | 0.00 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Hexane  | 0.00 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Acetaldehyde  | 0.00 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Acrolein  | 0.00 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | PAHs, total   | 0.00 |
| E              | 453         | ELECTRIC MOTOR SHOP INC.         | ELECTRIC MOTOR REBUILDING AND REPAIR | 4                   | Naphthalene   | 0.00 |
| E              | 2797        | FRESNO CENTRAL MARKET            | GASOLINE DISPENSING                  | 1                   | Toluene   | 7.74 |
| E              | 2797        | FRESNO CENTRAL MARKET            | GASOLINE DISPENSING                  | 1                   | Xylenes (mixed)                                       | 2.32 |
| E              | 2797        | FRESNO CENTRAL MARKET            | GASOLINE DISPENSING                  | 1                   | Benzene   | 0.59 |

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|----------------|-------------|------------------------------------|------------------------------|---------------------|---|-------|
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Diesel engine exhaust, particulate matter (Diesel PM) | 12.10 |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Propylene   | 7.68  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Toluene   | 0.38  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Xylenes (mixed)                                       | 0.29  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Formaldehyde  | 0.18  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Ethyl benzene   | 0.10  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Benzene   | 0.08  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Hexane  | 0.07  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Acetaldehyde  | 0.04  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Acrolein  | 0.04  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | PAHs, total   | 0.01  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Naphthalene   | 0.00  |
| E              | 540         | FRESNO COMMUNITY HOSPITAL          | HOSPITALS                    | 11                  | Ethylene oxide  | 0.00  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Propylene   | 54.32 |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Diesel engine exhaust, particulate matter (Diesel PM) | 38.96 |
| E              | 1625        | FRESNO COUNTY BUILD MAINT DIV      | GOVERNMENT SERVICES          | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 13.89 |
| E              | 1624        | FRESNO COUNTY BUILD MAINT DIV      | GOVERNMENT SERVICES          | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 10.77 |
| E              | 1627        | FRESNO COUNTY BUILD MAINT DIV      | GOVERNMENT SERVICES          | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 4.90  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Toluene   | 2.72  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Xylenes (mixed)                                       | 2.02  |
| E              | 1614        | FRESNO COUNTY BUILD MAINT DIV      | GOVERNMENT SERVICES          | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.47  |
| E              | 1622        | FRESNO COUNTY BUILD MAINT DIV      | GOVERNMENT SERVICES          | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.27  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Formaldehyde  | 1.26  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Ethyl benzene   | 0.71  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Benzene   | 0.59  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Hexane  | 0.47  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Acetaldehyde  | 0.32  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Acrolein  | 0.28  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Naphthalene   | 0.03  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Benzo[a]pyrene  | 0.01  |
| E              | 1629        | FRESNO COUNTY BUILD MAINT DIV      | CORRECTIONAL INSTITUTION     | 4                   | Ammonia   | 0.00  |
| E              | 4011        | FRESNO COUNTY BUILDING MAINTENANCE | GOVERNMENT SERVICES          | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.24  |
| E              | 671         | FRESNO COUNTY FLEET SERVICES       | COUNTY GOVERNMENT            | 1                   | Toluene   | 15.40 |
| E              | 671         | FRESNO COUNTY FLEET SERVICES       | COUNTY GOVERNMENT            | 1                   | Xylenes (mixed)                                       | 4.62  |
| E              | 671         | FRESNO COUNTY FLEET SERVICES       | COUNTY GOVERNMENT            | 1                   | Benzene   | 1.17  |
| E              | 7238        | FRESNO UNIFIED SCHOOL DISTRICT     | SCHOOL DISTRICT              | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.05  |
| E              | 4228        | GSA PACIFIC RIM REGION             | GOVERNMENT SERVICES          | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 5.62  |
| E              | 248         | GUSMER ENTERPRISES INC             | CONVERTED PAPER PRODUCTS NEC | 3                   | Propylene   | 13.11 |
| E              | 248         | GUSMER ENTERPRISES INC             | CONVERTED PAPER PRODUCTS NEC | 3                   | Toluene   | 0.66  |
| E              | 248         | GUSMER ENTERPRISES INC             | CONVERTED PAPER PRODUCTS NEC | 3                   | Xylenes (mixed)                                       | 0.49  |
| E              | 248         | GUSMER ENTERPRISES INC             | CONVERTED PAPER PRODUCTS NEC | 3                   | Formaldehyde  | 0.30  |
| E              | 248         | GUSMER ENTERPRISES INC             | CONVERTED PAPER PRODUCTS NEC | 3                   | Ethyl benzene   | 0.17  |
| E              | 248         | GUSMER ENTERPRISES INC             | CONVERTED PAPER PRODUCTS NEC | 3                   | Benzene   | 0.14  |
| E              | 248         | GUSMER ENTERPRISES INC             | CONVERTED PAPER PRODUCTS NEC | 3                   | Hexane  | 0.11  |
| E              | 248         | GUSMER ENTERPRISES INC             | CONVERTED PAPER PRODUCTS NEC | 3                   | Acetaldehyde  | 0.08  |

| Community Zone | DISTRICT ID | FACILITY NAME                               | FACILITY DESCRIPTION                  | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
|----------------|-------------|---|---------------------------------------|---------------------|---|-------|
| E              | 248         | GUSMER ENTERPRISES INC                      | CONVERTED PAPER PRODUCTS NEC          | 3                   | Acrotrin  | 0.05  |
| E              | 248         | GUSMER ENTERPRISES INC                      | CONVERTED PAPER PRODUCTS NEC          | 3                   | PAHs, total   | 0.01  |
| E              | 248         | GUSMER ENTERPRISES INC                      | CONVERTED PAPER PRODUCTS NEC          | 3                   | Naphthalene   | 0.01  |
| E              | 3293        | JACK'S GAS                                  | GASOLINE DISPENSING                   | 1                   | Toluene   | 53.92 |
| E              | 3293        | JACK'S GAS                                  | GASOLINE DISPENSING                   | 1                   | Xylenes (mixed)                                       | 16.06 |
| E              | 3293        | JACK'S GAS                                  | GASOLINE DISPENSING                   | 1                   | Benzene   | 4.11  |
| E              | 1626        | JUDICIAL COUNCIL OF CALIFORNIA - AOC        | GOVERNMENT SERVICES                   | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.72  |
| E              | 4198        | M. L. STREET PROPERTIES, A JOINT VENTURE    | OPERATORS OF NONRESIDENTIAL BUILDINGS | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.66  |
| E              | 3008        | MCI   | TELECOMMUNICATIONS                    | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 5.15  |
| E              | 992         | MGA LIQUOR 3                                | GASOLINE DISPENSING                   | 1                   | Toluene   | 21.74 |
| E              | 992         | MGA LIQUOR 3                                | GASOLINE DISPENSING                   | 1                   | Xylenes (mixed)                                       | 6.52  |
| E              | 992         | MGA LIQUOR 3                                | GASOLINE DISPENSING                   | 1                   | Benzene   | 1.66  |
| E              | 898         | PACIFIC BELL TELEPHONE CO (DBA AT and T CA) | TELECOMMUNICATIONS                    | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 19.65 |
| E              | 2886        | PACIFIC GAS and ELECTRIC CO                 | POWER GENERATION                      | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 4.04  |
| E              | 933         | PACIFIC GAS and ELECTRIC CO                 | PUBLIC UTILITY                        | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.31  |
| E              | 923         | PENNY WISE                                  | GASOLINE DISPENSING                   | 1                   | Toluene   | 64.45 |
| E              | 923         | PENNY WISE                                  | GASOLINE DISPENSING                   | 1                   | Xylenes (mixed)                                       | 19.20 |
| E              | 923         | PENNY WISE                                  | GASOLINE DISPENSING                   | 1                   | Benzene   | 4.91  |
| E              | 3327        | QWEST COMMUNICATIONS CO LLC/CENTURYLINK     | TELECOMMUNICATIONS                    | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.89  |
| E              | 2261        | RANI FOOD and LIQUOR INC.                   | GASOLINE DISPENSING                   | 1                   | Toluene   | 39.89 |
| E              | 2261        | RANI FOOD and LIQUOR INC.                   | GASOLINE DISPENSING                   | 1                   | Xylenes (mixed)                                       | 11.97 |
| E              | 2261        | RANI FOOD and LIQUOR INC.                   | GASOLINE DISPENSING                   | 1                   | Benzene   | 3.04  |
| E              | 9230        | SALVATION ARMY DBA SILVERCREST RET.         | HOUSING PROGRAMS - HOUSING AUTHORITY  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.19  |
| E              | 3891        | STATE OF CA, JUDICIAL COUNCIL OF CA, ADM    | GOVERNMENT SERVICES                   | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.66  |
| E              | 8628        | STATE OF CALIFORNIA                         | GOVERNMENT SERVICES                   | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.12  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Hydrochloric acid                                     | 12.22 |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Mercury   | 0.76  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Toluene   | 0.66  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Hydrogen fluoride                                     | 0.11  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Xylenes (mixed)                                       | 0.09  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Zinc  | 0.08  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Benzene   | 0.03  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Thallium  | 0.02  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Naphthalene   | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Lead  | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Vanadium (fume or dust)                               | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Selenium  | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Arsenic   | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Nickel  | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Antimony  | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Copper  | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Vinyl chloride  | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Barium  | 0.01  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Acetaldehyde  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                      | FUNERAL SERVICE AND CREMATORIES       | 1                   | Chromium  | 0.00  |



| Community Zone | DISTRICT ID | FACILITY NAME                            | FACILITY DESCRIPTION                  | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
|----------------|-------------|--|---------------------------------------|---------------------|---|-------|
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Molybdenum trioxide                                   | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Chromium, hexavalent (& compounds)                    | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Cadmium   | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Silver  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Formaldehyde  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Cobalt  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Phenanthrene  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Beryllium   | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Fluorene  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Anthracene  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Fluoranthene  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Pyrene  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Acenaphthylene  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Acenaphthene  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Chrysene  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Benzo[a]pyrene  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Benzo[g,h,i]perylene                                  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Benzo[a]anthracene                                    | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Benzo[b]fluoranthene                                  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Indeno[1,2,3-cd]pyrene                                | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Benzo[k]fluoranthene                                  | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | Dibenz[a,h]anthracene                                 | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,4,6,7,8-Heptachlorodibenzofuran                 | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin             | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,7,8,9-Hexachlorodibenzofuran                    | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,4,7,8-Hexachlorodibenzofuran                    | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 2,3,4,7,8-Pentachlorodibenzofuran                     | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,6,7,8-Hexachlorodibenzofuran                    | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 2,3,7,8-Trichlorodibenzofuran                         | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin                | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 2,3,4,6,7,8-Hexachlorodibenzo-p-dioxin                | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 2,3,4,6,7,8-Hexachlorodibenzofuran                    | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,7,8-Pentachlorodibenzofuran                     | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin                | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,7,8-Pentachlorodibenzo-p-dioxin                 | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 1,2,3,7,8-Pentachlorodibenzo-p-dioxin                 | 0.00  |
| E              | 1241        | TINKLER MISSION CHAPEL                   | FUNERAL SERVICE AND CREMATORIES       | 1                   | 2,3,7,8-Trichlorodibenzo-p-dioxin                     | 0.00  |
| E              | 4223        | USGP FRESNO IRS LLC C/O MANCO ABBOTT INC | OPERATORS OF NONRESIDENTIAL BUILDINGS | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.36  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Propylene   | 2.34  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Toluene   | 0.12  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Xylenes (mixed)                                       | 0.09  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Formaldehyde  | 0.05  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Ethyl benzene   | 0.03  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Benzene   | 0.03  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Hexane  | 0.02  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Acetaldehyde  | 0.01  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Acrolein  | 0.01  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | PAHs, total   | 0.00  |
| E              | 3087        | VALLEY LAVOSH BAKING COMPANY             | BAKERY                                | 1                   | Naphthalene   | 0.00  |
| E              | 7147        | VALLEY PUBLIC TELEVISION INC             | TELEVISION BROADCASTING               | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.04  |
| E              | 578         | VISA PETROLEUM INC                       | BULK PLANT                            | 1                   | Toluene   | 24.19 |
| E              | 578         | VISA PETROLEUM INC                       | BULK PLANT                            | 1                   | Xylenes (mixed)                                       | 7.21  |

| Community Zone | DISTRICT ID | FACILITY NAME                      | FACILITY DESCRIPTION             | # of ACTIVE PERMITS | POLLUTANT   | 2017   |
|----------------|-------------|------------------------------------|----------------------------------|---------------------|---|--------|
| E              | 578         | VISA PETROLEUM INC                 | BULK PLANT                       | 1                   | Benzene   | 1.84   |
| F              | 3170        | 21ST DIST. AGRICULTURAL ASSOC.     | OPERATION OF AGRICULTURAL FAIRS  | 1                   | Toluene   | 0.94   |
| F              | 3170        | 21ST DIST. AGRICULTURAL ASSOC.     | OPERATION OF AGRICULTURAL FAIRS  | 1                   | Xylenes (mixed)                                       | 0.28   |
| F              | 3170        | 21ST DIST. AGRICULTURAL ASSOC.     | OPERATION OF AGRICULTURAL FAIRS  | 1                   | Benzene   | 0.06   |
| F              | 1547        | AMERICAN MEDICAL SERVICES          | DOCTORS OFFICE                   | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.71   |
| F              | 2323        | CALCO GEN LLC                      | FOOD PROCESSING                  | 2                   | Ammonia   | 395.37 |
| F              | 50          | CamdB ARCO DBA HandR ENTERPRISES   | GASOLINE DISPENSING              | 1                   | Toluene   | 141.72 |
| F              | 50          | CamdB ARCO DBA HandR ENTERPRISES   | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 42.52  |
| F              | 50          | CamdB ARCO DBA HandR ENTERPRISES   | GASOLINE DISPENSING              | 1                   | Benzene   | 10.80  |
| F              | 2477        | CITY OF FRESNO FLT MGT/CEDAR       | PUBLIC WORKS                     | 1                   | Toluene   | 6.63   |
| F              | 2477        | CITY OF FRESNO FLT MGT/CEDAR       | PUBLIC WORKS                     | 1                   | Xylenes (mixed)                                       | 1.99   |
| F              | 2477        | CITY OF FRESNO FLT MGT/CEDAR       | PUBLIC WORKS                     | 1                   | Benzene   | 0.51   |
| F              | 3316        | CITY OF FRESNO WATER DIVISION      | WATER SUPPLY                     | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 4.54   |
| F              | 3257        | CITY OF FRESNO WATER DIVISION      | WATER SUPPLY                     | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.06   |
| F              | 3261        | CITY OF FRESNO WATER DIVISION      | GOVERNMENT SERVICES              | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.06   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Diesel engine exhaust, particulate matter (Diesel PM) | 9.78   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Propylene   | 5.88   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Toluene   | 0.29   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Xylenes (mixed)                                       | 0.22   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Formaldehyde  | 0.14   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Ethyl benzene   | 0.08   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Benzene   | 0.06   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Hexane  | 0.05   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Acetaldehyde  | 0.03   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Acrolein  | 0.03   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | PAHs, total   | 0.00   |
| F              | 1333        | COUNTY OF FRESNO FACILITY SERVICES | HOSPITAL                         | 6                   | Naphthalene   | 0.00   |
| F              | 947         | FAMILY EXPRESS FOOD and LIQUOR     | GASOLINE DISPENSING              | 1                   | Toluene   | 30.15  |
| F              | 947         | FAMILY EXPRESS FOOD and LIQUOR     | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 9.04   |
| F              | 947         | FAMILY EXPRESS FOOD and LIQUOR     | GASOLINE DISPENSING              | 1                   | Benzene   | 2.30   |
| F              | 1923        | FRESNO COUNTY                      | GOVERNMENT SERVICES              | 1                   | Toluene   | 16.65  |
| F              | 1923        | FRESNO COUNTY                      | GOVERNMENT SERVICES              | 1                   | Xylenes (mixed)                                       | 5.00   |
| F              | 1923        | FRESNO COUNTY                      | GOVERNMENT SERVICES              | 1                   | Benzene   | 1.27   |
| F              | 363         | FRESNO COUNTY FLEET SERVICES       | GOVERNMENT SERVICES              | 1                   | Toluene   | 7.11   |
| F              | 363         | FRESNO COUNTY FLEET SERVICES       | GOVERNMENT SERVICES              | 1                   | Xylenes (mixed)                                       | 2.13   |
| F              | 363         | FRESNO COUNTY FLEET SERVICES       | GOVERNMENT SERVICES              | 1                   | Benzene   | 0.54   |
| F              | 1623        | FRESNO UNIFIED SCHOOL DISTRICT     | GOVERNMENT SERVICES              | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 28.57  |
| F              | 3088        | FRESNO UNIFIED SCHOOL DISTRICT     | CORRECTIONAL INSTITUTION         | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.11   |
| F              | 4167        | FRESNO UNIFIED SCHOOL DISTRICT     | ELEMENTARY AND SECONDARY SCHOOLS | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.14   |
| F              | 3619        | GET-N-GO #4                        | GASOLINE DISPENSING              | 1                   | Toluene   | 14.35  |
| F              | 3619        | GET-N-GO #4                        | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 4.30   |
| F              | 3619        | GET-N-GO #4                        | GASOLINE DISPENSING              | 1                   | Benzene   | 1.09   |
| F              | 1541        | GOLDEN BOY MARKET                  | GASOLINE DISPENSING              | 1                   | Toluene   | 33.60  |
| F              | 1541        | GOLDEN BOY MARKET                  | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 10.08  |
| F              | 1541        | GOLDEN BOY MARKET                  | GASOLINE DISPENSING              | 1                   | Benzene   | 2.56   |
| F              | 92          | KWIK SERV                          | GASOLINE DISPENSING              | 1                   | Toluene   | 34.39  |
| F              | 92          | KWIK SERV                          | GASOLINE DISPENSING              | 1                   | Xylenes (mixed)                                       | 10.32  |

| Community Zone | DISTRICT ID | KWIK SERV                                   | FACILITY NAME | FACILITY DESCRIPTION   | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
|----------------|-------------|---|---------------|------------------------|---------------------|---|-------|
| F              | 92          | KWIK SERV                                   |               | GASOLINE DISPENSING    | 1                   | Benzene   | 2.62  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Propylene   | 65.42 |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Toluene   | 3.27  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Xylenes (mixed)                                       | 2.43  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Formaldehyde  | 1.52  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Ethyl benzene   | 0.85  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Benzene   | 0.72  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Hexane  | 0.57  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Acetaldehyde  | 0.38  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Acrolein  | 0.33  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | PAHs, total   | 0.05  |
| F              | 7348        | LYONS MAGNUS                                |               | FOOD PREPARATIONS      | 2                   | Naphthalene   | 0.04  |
| F              | 1141        | NIRMAL SINGH SHOP N QUICK INC               |               | GASOLINE DISPENSING    | 1                   | Toluene   | 35.83 |
| F              | 1141        | NIRMAL SINGH SHOP N QUICK INC               |               | GASOLINE DISPENSING    | 1                   | Xylenes (mixed)                                       | 10.75 |
| F              | 1141        | NIRMAL SINGH SHOP N QUICK INC               |               | GASOLINE DISPENSING    | 1                   | Benzene   | 2.73  |
| F              | 1669        | PACIFIC BELL TELEPHONE CO (DBA AT and T CA) |               | TELECOMMUNICATIONS     | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 3.08  |
| F              | 1184        | PIC 'N' GO #2                               |               | GASOLINE DISPENSING    | 1                   | Toluene   | 37.35 |
| F              | 1184        | PIC 'N' GO #2                               |               | GASOLINE DISPENSING    | 1                   | Xylenes (mixed)                                       | 11.20 |
| F              | 1184        | PIC 'N' GO #2                               |               | GASOLINE DISPENSING    | 1                   | Benzene   | 2.85  |
| F              | 1139        | QUICK PICK and DELI                         |               | GASOLINE DISPENSING    | 1                   | Toluene   | 16.51 |
| F              | 1139        | QUICK PICK and DELI                         |               | GASOLINE DISPENSING    | 1                   | Xylenes (mixed)                                       | 4.95  |
| F              | 1139        | QUICK PICK and DELI                         |               | GASOLINE DISPENSING    | 1                   | Benzene   | 1.26  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Naphthalene   | 6.32  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Benzene   | 6.07  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Formaldehyde  | 4.74  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Acetaldehyde  | 3.39  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Toluene   | 2.45  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Styrene   | 2.28  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Phenanthrene  | 1.36  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Acenaphthylene  | 1.34  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Propylene   | 1.02  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Propionaldehyde                                       | 0.91  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Biphenyl  | 0.67  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Ethyl benzene   | 0.49  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | PAHs, total   | 0.46  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Xylenes (mixed)                                       | 0.37  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Pyrene  | 0.33  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Fluorene  | 0.30  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Phenol  | 0.28  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Anthracene  | 0.26  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Fluoranthene  | 0.25  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Ethylene dichloride (EDC)                             | 0.17  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Acenaphthene  | 0.08  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Benz[a]anthracene                                     | 0.06  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Benzol[a]pyrene                                       | 0.05  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Benzol[g,h,i]perylene                                 | 0.04  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Cresols (mixtures of)                                 | 0.04  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Acetophenone  | 0.03  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Indeno[1,2,3-cd]pyrene                                | 0.03  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Dibutyl phthalate                                     | 0.02  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Hexane  | 0.01  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | Acrolein  | 0.00  |
| F              | 4145        | QUIKSERVE ENTERPRISES BURGER KING #3160     |               | RESTAURANT - FAST FOOD | 1                   | PAHs, total   | 0.00  |

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|----------------|-------------|------------------------------------|---|---------------------|---|--------|
| F              | 1201        | SUPER 1 FOOD STORE                 | GASOLINE DISPENSING                     | 1                   | Toluene   | 15.42  |
| F              | 1201        | SUPER 1 FOOD STORE                 | GASOLINE DISPENSING                     | 1                   | Xylenes (mixed)                                       | 4.63   |
| F              | 1201        | SUPER 1 FOOD STORE                 | GASOLINE DISPENSING                     | 1                   | Benzene   | 1.18   |
| F              | 733         | SUPER-7                            | GASOLINE DISPENSING                     | 1                   | Toluene   | 17.26  |
| F              | 733         | SUPER-7                            | GASOLINE DISPENSING                     | 1                   | Xylenes (mixed)                                       | 5.18   |
| F              | 733         | SUPER-7                            | GASOLINE DISPENSING                     | 1                   | Benzene   | 1.32   |
| F              | 4217        | TONY'S 1 STOP SHOP                 | GASOLINE DISPENSING                     | 1                   | Toluene   | 48.18  |
| F              | 4217        | TONY'S 1 STOP SHOP                 | GASOLINE DISPENSING                     | 1                   | Xylenes (mixed)                                       | 14.45  |
| F              | 4217        | TONY'S 1 STOP SHOP                 | GASOLINE DISPENSING                     | 1                   | Benzene   | 3.67   |
| F              | 3793        | TULARE ARCO (SAI ROJA INC)         | GASOLINE DISPENSING                     | 1                   | Toluene   | 372.01 |
| F              | 3793        | TULARE ARCO (SAI ROJA INC)         | GASOLINE DISPENSING                     | 1                   | Xylenes (mixed)                                       | 111.60 |
| F              | 3793        | TULARE ARCO (SAI ROJA INC)         | GASOLINE DISPENSING                     | 1                   | Benzene   | 28.36  |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Phosphine   | 19.54  |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Propylene   | 11.78  |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Toluene   | 0.59   |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Xylenes (mixed)                                       | 0.44   |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Formaldehyde  | 0.27   |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Ethyl benzene   | 0.15   |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Hexane  | 0.13   |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Acetaldehyde  | 0.10   |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Acrolein  | 0.07   |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Naphthalene   | 0.04   |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | PAHs, total   | 0.00   |
| F              | 1326        | VALLEY FIG GROWERS                 | AGRICULTURAL PRODUCTS PROCESSING - FIGS | 5                   | Benzolajpyrene  | 0.00   |
| F              | 8051        | VERIZON WIRELESS - 1ST and BELMONT | TELECOMMUNICATIONS                      | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.27   |
| F              | 287         | WKM ASSOCIATES INC                 | GASOLINE DISPENSING                     | 1                   | Toluene   | 113.66 |
| F              | 287         | WKM ASSOCIATES INC                 | GASOLINE DISPENSING                     | 1                   | Xylenes (mixed)                                       | 34.10  |
| F              | 287         | WKM ASSOCIATES INC                 | GASOLINE DISPENSING                     | 1                   | Benzene   | 8.66   |
| F              | 2250        | WONG CORPORATION                   | GASOLINE DISPENSING                     | 1                   | Toluene   | 13.99  |
| F              | 2250        | WONG CORPORATION                   | GASOLINE DISPENSING                     | 1                   | Xylenes (mixed)                                       | 4.17   |
| F              | 2250        | WONG CORPORATION                   | GASOLINE DISPENSING                     | 1                   | Benzene   | 1.07   |
| G              | 4141        | CAVALIER FOOD                      | GASOLINE DISPENSING                     | 1                   | Toluene   | 78.78  |
| G              | 4141        | CAVALIER FOOD                      | GASOLINE DISPENSING                     | 1                   | Xylenes (mixed)                                       | 23.63  |
| G              | 4141        | CAVALIER FOOD                      | GASOLINE DISPENSING                     | 1                   | Benzene   | 6.00   |
| G              | 432         | DONAGHY SALES                      | DISTRIBUTION - WHOLESALE BEER AND ALE   | 4                   | Toluene   | 8.93   |
| G              | 432         | DONAGHY SALES                      | DISTRIBUTION - WHOLESALE BEER AND ALE   | 4                   | Xylenes (mixed)                                       | 2.66   |
| G              | 432         | DONAGHY SALES                      | DISTRIBUTION - WHOLESALE BEER AND ALE   | 4                   | Benzene   | 0.68   |
| G              | 613         | HANDI STOP MARKET                  | GASOLINE DISPENSING                     | 1                   | Toluene   | 12.88  |
| G              | 613         | HANDI STOP MARKET                  | GASOLINE DISPENSING                     | 1                   | Xylenes (mixed)                                       | 3.87   |
| G              | 613         | HANDI STOP MARKET                  | GASOLINE DISPENSING                     | 1                   | Benzene   | 0.98   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Propylene   | 159.57 |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Toluene   | 7.98   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Xylenes (mixed)                                       | 5.93   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Formaldehyde  | 3.70   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Ethyl benzene   | 2.08   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.86   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Benzene   | 1.75   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Hexane  | 1.38   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Acetaldehyde  | 0.93   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | Acrolein  | 0.81   |
| G              | 234         | KRAFT HEINZ FOODS COMPANY          | AGRICULTURAL PRODUCTS PROCESSING        | 4                   | PAHs, total   | 0.12   |



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|----------------|-------------|--|-----------------------------------|---------------------|---|-------|
| G              | 234         | KRAFT HEINZ FOODS COMPANY                | AGRICULTURAL PRODUCTS PROCESSING  | 4                   | Naphthalene   | 0.09  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Propylene   | 42.85 |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Toluene   | 2.14  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Xylenes (mixed)                                       | 1.59  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.05  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Formaldehyde  | 0.99  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Ethyl benzene   | 0.56  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Benzene   | 0.47  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Hexane  | 0.37  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Acetaldehyde  | 0.25  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Acrolein  | 0.22  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | PAHs, total   | 0.03  |
| G              | 375         | KRAFT HEINZ FOODS COMPANY (CORNNUITS)    | SALTED AND ROASTED NUTS AND SEEDS | 6                   | Naphthalene   | 0.02  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Propylene   | 7.63  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Toluene   | 0.38  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Xylenes (mixed)                                       | 0.28  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Formaldehyde  | 0.18  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Ethyl benzene   | 0.10  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Benzene   | 0.08  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Hexane  | 0.07  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Acetaldehyde  | 0.04  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Acrolein  | 0.04  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | PAHs, total   | 0.01  |
| G              | 844         | MISSION UNIFORM and LINEN SERVICE        | INDUSTRIAL LAUNDERS               | 5                   | Naphthalene   | 0.00  |
| G              | 7089        | PACIFIC GAS and ELECTRIC (BLDG B)        | PUBLIC UTILITIES                  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.33  |
| G              | 930         | PACIFIC GAS and ELECTRIC CO              | PUBLIC UTILITIES                  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.89  |
| G              | 899         | PACIFIC GAS and ELECTRIC CO              | PUBLIC UTILITY                    | 1                   | Toluene   | 1.56  |
| G              | 899         | PACIFIC GAS and ELECTRIC CO              | PUBLIC UTILITY                    | 1                   | Xylenes (mixed)                                       | 0.46  |
| G              | 899         | PACIFIC GAS and ELECTRIC CO              | PUBLIC UTILITY                    | 1                   | Benzene   | 0.11  |
| G              | 5884        | PACIFIC GAS and ELECTRIC COMPANY         | PUBLIC UTILITIES                  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.61  |
| G              | 393         | SILVAS OIL COMPANY, INC.                 | BULK PLANT                        | 4                   | Toluene   | 43.58 |
| G              | 393         | SILVAS OIL COMPANY, INC.                 | BULK PLANT                        | 4                   | Xylenes (mixed)                                       | 13.07 |
| G              | 393         | SILVAS OIL COMPANY, INC.                 | BULK PLANT                        | 4                   | Benzene   | 1.64  |
| G              | 6189        | THE BURLINGTON NORTHERN SANTA FE RAILWAY | RAILROAD COMPANY                  | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.25  |
| G              | 2241        | TJ FOOD N LIQUOR (ERIC S. TANG)          | GASOLINE DISPENSING               | 1                   | Toluene   | 45.05 |
| G              | 2241        | TJ FOOD N LIQUOR (ERIC S. TANG)          | GASOLINE DISPENSING               | 1                   | Xylenes (mixed)                                       | 13.51 |
| G              | 2241        | TJ FOOD N LIQUOR (ERIC S. TANG)          | GASOLINE DISPENSING               | 1                   | Benzene   | 3.43  |
| G              | 8452        | VERIZON WIRELESS - JENSEN AVENUE         | TELECOMMUNICATIONS                | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.05  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | Propylene   | 4.35  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | Toluene   | 0.22  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | Xylenes (mixed)                                       | 0.16  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | Formaldehyde  | 0.10  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | Ethyl benzene   | 0.06  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | Benzene   | 0.05  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | Hexane  | 0.04  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | Acetaldehyde  | 0.03  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | Acrolein  | 0.02  |
| G              | 2781        | WAWONA FROZEN FOODS                      | PACKAGED FROZEN FOODS             | 1                   | PAHs, total   | 0.00  |

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|----------------|-------------|------------------------------------|---|---------------------|---|--------|
| G              | 2781        | WAWONA FROZEN FOODS                | PACKAGED FROZEN FOODS                     | 1                   | Naphthalene   | 0.00   |
| G              | 4161        | WESTERN CO-GEN, LLC                | POWER GENERATION                          | 2                   | Ammonia   | 0.00   |
| H              | 3269        | CITY OF FRESNO WATER DIVISION      | WATER SUPPLY                              | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.06   |
| H              | 4214        | COAST TO COAST PETROLEUM           | GASOLINE DISPENSING                       | 1                   | Toluene   | 98.84  |
| H              | 4214        | COAST TO COAST PETROLEUM           | GASOLINE DISPENSING                       | 1                   | Xylenes (mixed)                                       | 29.65  |
| H              | 4245        | GLAXO SMITH KLINE CONSUMER BRANDS  | WAREHOUSE                                 | 1                   | Benzene   | 7.53   |
|                |             |                                    |   | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.22   |
| I              | 2892        | 2925 S MAPLE PARTNERS LLC          | AGRICULTURAL PRODUCTS                     | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.50   |
| I              | 7365        | AHERN RENTALS INC                  | CONSTRUCTION EQUIPMENT RENTAL AND LEASING | 1                   | Toluene   | 0.19   |
| I              | 7365        | AHERN RENTALS INC                  | CONSTRUCTION EQUIPMENT RENTAL AND LEASING | 1                   | Xylenes (mixed)                                       | 0.06   |
| I              | 7365        | AHERN RENTALS INC                  | CONSTRUCTION EQUIPMENT RENTAL AND LEASING | 1                   | Benzene   | 0.01   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Propylene   | 28.01  |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Toluene   | 1.40   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Xylenes (mixed)                                       | 1.04   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Formaldehyde  | 0.65   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Ethyl benzene   | 0.36   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Benzene   | 0.31   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Hexane  | 0.24   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Acetaldehyde  | 0.16   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Acrolein  | 0.10   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | PAHs, total   | 0.02   |
| I              | 119         | BETTS COMPANY                      | METAL PARTS PRODUCTION                    | 17                  | Naphthalene   | 0.01   |
| I              | 38          | BUNNELL and ALMANN'S PETROLEUM INC | GASOLINE DISPENSING                       | 1                   | Toluene   | 37.35  |
| I              | 38          | BUNNELL and ALMANN'S PETROLEUM INC | GASOLINE DISPENSING                       | 1                   | Xylenes (mixed)                                       | 11.13  |
| I              | 38          | BUNNELL and ALMANN'S PETROLEUM INC | GASOLINE DISPENSING                       | 1                   | Benzene   | 2.85   |
| I              | 2368        | CALIFORNIA-FRESNO OIL CO           | GASOLINE DISPENSING                       | 1                   | Toluene   | 119.26 |
| I              | 2368        | CALIFORNIA-FRESNO OIL CO           | GASOLINE DISPENSING                       | 1                   | Xylenes (mixed)                                       | 35.63  |
| I              | 2880        | CARDLOCK FUELS SYSTEM INC          | GASOLINE DISPENSING                       | 1                   | Benzene   | 9.09   |
| I              | 2880        | CARDLOCK FUELS SYSTEM INC          | GASOLINE DISPENSING                       | 1                   | Toluene   | 16.54  |
| I              | 2880        | CARDLOCK FUELS SYSTEM INC          | GASOLINE DISPENSING                       | 1                   | Xylenes (mixed)                                       | 4.96   |
| I              | 4121        | CARL'S JR #7545                    | GASOLINE DISPENSING                       | 1                   | Benzene   | 1.26   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Propylene   | 1.13   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Toluene   | 0.06   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Xylenes (mixed)                                       | 0.04   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Formaldehyde  | 0.03   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Ethyl benzene   | 0.01   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Benzene   | 0.01   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Hexane  | 0.01   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Acetaldehyde  | 0.01   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Acrolein  | 0.00   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | PAHs, total   | 0.00   |
| I              | 4121        | CARL'S JR #7545                    | RESTAURANT - FAST FOOD                    | 1                   | Naphthalene   | 0.00   |
| I              | 684         | CENTRAL FOOD MART                  | GASOLINE DISPENSING                       | 1                   | Toluene   | 58.81  |
| I              | 684         | CENTRAL FOOD MART                  | GASOLINE DISPENSING                       | 1                   | Xylenes (mixed)                                       | 17.84  |
| I              | 5600        | CONCEPT COATING                    | GASOLINE DISPENSING                       | 1                   | Benzene   | 4.48   |
| I              | 5600        | CONCEPT COATING                    | METAL PARTS AND PRODUCTS COATING          | 6                   | Propylene   | 0.26   |
| I              | 5600        | CONCEPT COATING                    | METAL PARTS AND PRODUCTS COATING          | 6                   | Toluene   | 0.01   |
| I              | 5600        | CONCEPT COATING                    | METAL PARTS AND PRODUCTS COATING          | 6                   | Xylenes (mixed)                                       | 0.01   |

| Community Zone | DISTRICT ID | FACILITY NAME                  | FACILITY DESCRIPTION                | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
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|                | 5600        | CONCEPT COATING                | METAL PARTS AND PRODUCTS COATING    | 6                   | Formaldehyde  | 0.01  |
|                | 5600        | CONCEPT COATING                | METAL PARTS AND PRODUCTS COATING    | 6                   | Ethyl benzene   | 0.00  |
|                | 5600        | CONCEPT COATING                | METAL PARTS AND PRODUCTS COATING    | 6                   | Benzene   | 0.00  |
|                | 5600        | CONCEPT COATING                | METAL PARTS AND PRODUCTS COATING    | 6                   | Hexane  | 0.00  |
|                | 5600        | CONCEPT COATING                | METAL PARTS AND PRODUCTS COATING    | 6                   | Acetaldehyde  | 0.00  |
|                | 5600        | CONCEPT COATING                | METAL PARTS AND PRODUCTS COATING    | 6                   | Acrolein  | 0.00  |
|                | 5600        | CONCEPT COATING                | METAL PARTS AND PRODUCTS COATING    | 6                   | PAHs, total   | 0.00  |
|                | 5600        | CONCEPT COATING                | METAL PARTS AND PRODUCTS COATING    | 6                   | Naphthalene   | 0.00  |
|                | 89          | FIFTH WHEEL TRUCK STOP INC.    | GASOLINE DISPENSING                 | 1                   | Toluene   | 1.37  |
|                | 89          | FIFTH WHEEL TRUCK STOP INC.    | GASOLINE DISPENSING                 | 1                   | Xylenes (mixed)                                       | 0.41  |
|                | 89          | FIFTH WHEEL TRUCK STOP INC.    | GASOLINE DISPENSING                 | 1                   | Benzene   | 0.10  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Propylene   | 28.17 |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Toluene   | 1.41  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Xylenes (mixed)                                       | 1.05  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Formaldehyde  | 0.65  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Ethyl benzene   | 0.37  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Benzene   | 0.31  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Hexane  | 0.24  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.22  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Acetaldehyde  | 0.16  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Acrolein  | 0.14  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | PAHs, total   | 0.02  |
|                | 507         | FOSTER FARMS                   | POULTRY SLAUGHTERING AND PROCESSING | 5                   | Naphthalene   | 0.02  |
|                | 2066        | FRESNO IRRIGATION DISTRICT     | IRRIGATION DISTRICT                 | 1                   | Toluene   | 5.97  |
|                | 2066        | FRESNO IRRIGATION DISTRICT     | IRRIGATION DISTRICT                 | 1                   | Xylenes (mixed)                                       | 1.78  |
|                | 2066        | FRESNO IRRIGATION DISTRICT     | IRRIGATION DISTRICT                 | 1                   | Benzene   | 0.46  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Propylene   | 58.10 |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Toluene   | 2.91  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Xylenes (mixed)                                       | 2.16  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Formaldehyde  | 1.35  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Ethyl benzene   | 0.76  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Benzene   | 0.64  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Hexane  | 0.50  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Acetaldehyde  | 0.34  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Acrolein  | 0.21  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | PAHs, total   | 0.03  |
|                | 845         | GRUMA CORPORATION              | FOOD PREPARATIONS                   | 18                  | Naphthalene   | 0.02  |
|                | 7174        | HERTZ EQUIPMENT RENTAL CORP    | AUTOMOTIVE RENTALS                  | 1                   | Toluene   | 0.43  |
|                | 7174        | HERTZ EQUIPMENT RENTAL CORP    | AUTOMOTIVE RENTALS                  | 1                   | Xylenes (mixed)                                       | 0.13  |
|                | 7174        | HERTZ EQUIPMENT RENTAL CORP    | AUTOMOTIVE RENTALS                  | 1                   | Benzene   | 0.03  |
|                | 7222        | HERTZ EQUIPMENT RENTAL CORP    | MOTOR VEHICLE PARTS, USED           | 1                   | Benzene   | 0.00  |
|                | 7222        | IPULL-U-PULL AUTO PARTS        | MOTOR VEHICLE PARTS, USED           | 1                   | Toluene   | 0.00  |
|                | 7222        | IPULL-U-PULL AUTO PARTS        | MOTOR VEHICLE PARTS, USED           | 1                   | Xylenes (mixed)                                       | 0.00  |
|                | 1053        | JENSEN SHELL                   | GASOLINE DISPENSING                 | 1                   | Toluene   | 85.09 |
|                | 1053        | JENSEN SHELL                   | GASOLINE DISPENSING                 | 1                   | Xylenes (mixed)                                       | 25.53 |
|                | 1053        | JENSEN SHELL                   | GASOLINE DISPENSING                 | 1                   | Benzene   | 6.49  |
|                | 1053        | JENSEN SHELL                   | FOUNDRY                             | 2                   | Toluene   | 5.20  |
|                | 712         | KEARNEYS' MANUFACTURING        | FOUNDRY                             | 2                   | Xylenes (mixed)                                       | 1.56  |
|                | 712         | KEARNEYS' MANUFACTURING        | FOUNDRY                             | 2                   | Benzene   | 0.22  |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT | SPORTING AND ATHLETIC GOODS         | 4                   | Propylene   | 3.09  |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT | SPORTING AND ATHLETIC GOODS         | 4                   | Toluene   | 0.15  |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT | SPORTING AND ATHLETIC GOODS         | 4                   | Xylenes (mixed)                                       | 0.12  |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT | SPORTING AND ATHLETIC GOODS         | 4                   | Formaldehyde  | 0.07  |

| Community Zone | DISTRICT ID | FACILITY NAME                          | FACILITY DESCRIPTION                      | # of ACTIVE PERMITS | POLLUTANT   | 2017   |
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|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT         | SPORTING AND ATHLETIC GOODS               | 4                   | Ethyl benzene   | 0.04   |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT         | SPORTING AND ATHLETIC GOODS               | 4                   | Benzene   | 0.03   |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT         | SPORTING AND ATHLETIC GOODS               | 4                   | Hexane  | 0.03   |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT         | SPORTING AND ATHLETIC GOODS               | 4                   | Acetaldehyde  | 0.02   |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT         | SPORTING AND ATHLETIC GOODS               | 4                   | Acrolein  | 0.01   |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT         | SPORTING AND ATHLETIC GOODS               | 4                   | PAHs, total   | 0.00   |
|                | 2457        | KEISER SPORTS HEALTH EQUIPMENT         | SPORTING AND ATHLETIC GOODS               | 4                   | Naphthalene   | 0.00   |
|                | 2876        | MALAGA COUNTY WATER DISTRICT           | WATER SUPPLY                              | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 7.57   |
|                | 2875        | MALAGA COUNTY WATER DISTRICT           | WATER SUPPLY                              | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.42   |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Ammonia   | 714.29 |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Toluene   | 28.09  |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Xylenes (mixed)                                       | 13.83  |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Acetaldehyde  | 8.64   |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Ethyl benzene   | 6.92   |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Propylene oxide                                       | 6.27   |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Formaldehyde  | 4.32   |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Acrolein  | 1.38   |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | PAHs, total   | 0.48   |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Naphthalene   | 0.28   |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | Benzene   | 0.20   |
|                | 4305        | MALAGA POWER, LLC                      | POWER GENERATION                          | 2                   | 1,3-Butadiene   | 0.09   |
|                | 3855        | NEW ENGLAND SHEET METAL and MECHANICAL | SHEET METAL WORK                          | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.21   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Propylene   | 28.73  |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Hexane  | 4.10   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Ethyl benzene   | 2.04   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Toluene   | 1.50   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Xylenes (mixed)                                       | 1.21   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Naphthalene   | 0.78   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Benzene   | 0.78   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Formaldehyde  | 0.68   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Acetaldehyde  | 0.18   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | Acrolein  | 0.18   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | PAHs, total   | 0.08   |
|                | 906         | PACIFIC CHOICE BRANDS                  | FOOD PREPARATIONS                         | 6                   | PAHs, total   | 0.02   |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY             | AG PRODUCTS PROCESSING - FRUITS/VEGETABLE | 11                  | Propylene   | 66.79  |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY             | AG PRODUCTS PROCESSING - FRUITS/VEGETABLE | 11                  | Toluene   | 3.34   |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY             | AG PRODUCTS PROCESSING - FRUITS/VEGETABLE | 11                  | Xylenes (mixed)                                       | 2.49   |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY             | AG PRODUCTS PROCESSING - FRUITS/VEGETABLE | 11                  | Formaldehyde  | 1.55   |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY             | AG PRODUCTS PROCESSING - FRUITS/VEGETABLE | 11                  | Ethyl benzene   | 0.87   |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY             | AG PRODUCTS PROCESSING - FRUITS/VEGETABLE | 11                  | Benzene   | 0.73   |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY             | AG PRODUCTS PROCESSING - FRUITS/VEGETABLE | 11                  | Hexane  | 0.58   |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY             | AG PRODUCTS PROCESSING - FRUITS/VEGETABLE | 11                  | Acetaldehyde  | 0.39   |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY             | AG PRODUCTS PROCESSING - FRUITS/VEGETABLE | 11                  | Acrolein  | 0.25   |



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|                | 2252        | PENNY-NEWMAN GRAIN COMPANY | AG PRODUCTS PROCESSING - FRUIT/SVEGETABLE | 11                  | Naphthalene                               | 0.03     |
|                | 2252        | PENNY-NEWMAN GRAIN COMPANY | AG PRODUCTS PROCESSING - FRUIT/SVEGETABLE | 11                  | PAHs, total                               | 0.01     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Propylene                                 | 9.83     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Toluene                                   | 0.49     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Xylenes (mixed)                           | 0.37     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Formaldehyde                              | 0.23     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Ethyl benzene                             | 0.13     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Benzene                                   | 0.11     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Hexane                                    | 0.08     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Acetaldehyde                              | 0.06     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Acrolein                                  | 0.04     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | PAHs, total                               | 0.00     |
|                | 980         | PRUDENTIAL OVERALL SUPPLY  | INDUSTRIAL LAUNDERS                       | 5                   | Naphthalene                               | 0.00     |
|                | 4204        | QUINN RENTAL SERVICES      | EQUIPMENT RENTAL                          | 1                   | Toluene                                   | 0.23     |
|                | 4204        | QUINN RENTAL SERVICES      | EQUIPMENT RENTAL                          | 1                   | Xylenes (mixed)                           | 0.07     |
|                | 1049        | RUITER ARMEY               | MACHINE SHOP                              | 1                   | Benzene                                   | 0.02     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Chromium, hexavalent (& compounds)        | 0.01     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Ethyl benzene                             | 0.01     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Hexane                                    | 0.01     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Xylenes (mixed)                           | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Acrolein                                  | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Toluene                                   | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Benzene                                   | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Formaldehyde                              | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Benz[ <i>a</i> ]anthracene                | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Naphthalene                               | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Benz[ <i>b</i> ]fluoranthene              | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Benzo[ <i>k</i> ]fluoranthene             | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Indeno[1,2,3- <i>cd</i> ]pyrene           | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | PCBs (Polychlorinated biphenyls)          | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Benz[ <i>a</i> ]pyrene                    | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Dibenz[ <i>a,h</i> ]anthracene            | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 2,3,7,8-Tetrachlorodibenzofuran           | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Acetaldehyde                              | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 2,3,4,7,8-Pentachlorodibenzofuran         | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,7,8-Pentachlorodibenzofuran         | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Dioxins, total                            | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,4,7,8-Hexachlorodibenzofuran        | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 2,3,4,6,7,8-Hexachlorodibenzofuran        | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,6,7,8-Hexachlorodibenzofuran        | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,4,6,7,8-Heptachlorodibenzofuran     | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | Dibenzofurans (chlorinated) (PCDFs)       | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,7,8-Hexachlorodibenzofuran          | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,7,8-Pentachlorodibenzo-p-dioxin     | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin    | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,4,7,8,9-Heptachlorodibenzofuran     | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,7,8-Tetrachlorodibenzo-p-dioxin     | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin    | 0.00     |
|                | 1057        | SAF-T-CAB                  | AUTOBODY SPRAY COATING                    | 7                   | 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin    | 0.00     |
|                | 1074        | SANGER BOATS, INC.         | BOAT MANUFACTURING                        | 11                  | Styrene                                   | 11331.40 |
|                | 1080        | SCELZI ENTERPRISES INC     | AUTO BODY SPRAY COATING                   | 8                   | Propylene                                 | 0.22     |

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|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | Toluene   | 0.01  |
|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | Xylenes (mixed)                                       | 0.01  |
|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | Formaldehyde  | 0.00  |
|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | Ethyl benzene   | 0.00  |
|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | Benzene   | 0.00  |
|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | Hexane  | 0.00  |
|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | Acetaldehyde  | 0.00  |
|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | Acrolein  | 0.00  |
|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | PAHs, total   | 0.00  |
|                | 1080        | SCELZI ENTERPRISES INC                | AUTO BODY SPRAY COATING                    | 8                   | Naphthalene   | 0.00  |
|                | 7865        | SPECIALTY SALES LLC                   | AGRICULTURAL CHEMICAL SERVICE              | 3                   | Hydrochloric acid                                     | 4.00  |
|                | 7865        | SPECIALTY SALES LLC                   | AGRICULTURAL CHEMICAL SERVICE              | 3                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.38  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Propylene   | 15.17 |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Toluene   | 0.76  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Xylenes (mixed)                                       | 0.56  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Formaldehyde  | 0.35  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Ethyl benzene   | 0.20  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Benzene   | 0.17  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Hexane  | 0.13  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Acetaldehyde  | 0.09  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Acrolein  | 0.06  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | PAHs, total   | 0.01  |
|                | 1968        | SUNNYLAND BULGUR WHEAT, INC.          | AGRICULTURAL PRODUCTS PROCESSING           | 3                   | Naphthalene   | 0.01  |
|                | 240         | TESORO REFINING and MARKETING CO. LLC | GASOLINE DISPENSING                        | 1                   | Toluene   | 42.36 |
|                | 240         | TESORO REFINING and MARKETING CO. LLC | GASOLINE DISPENSING                        | 1                   | Xylenes (mixed)                                       | 12.62 |
|                | 240         | TESORO REFINING and MARKETING CO. LLC | GASOLINE DISPENSING                        | 1                   | Benzene   | 3.23  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Propylene   | 0.16  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Toluene   | 0.01  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Xylenes (mixed)                                       | 0.01  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Formaldehyde  | 0.00  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Ethyl benzene   | 0.00  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Benzene   | 0.00  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Hexane  | 0.00  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Acetaldehyde  | 0.00  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Acrolein  | 0.00  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | PAHs, total   | 0.00  |
|                | 7992        | THE PAPE GROUP-DAN RADONSKI           | MOTOR VEHICLE AND MOBILE EQUIPMENT COATING | 1                   | Naphthalene   | 0.00  |
|                | 1317        | UTILITY TRAILER SALES COMPANY         | TRUCK AND TRAILER COATING                  | 1                   | Propylene   | 1.71  |
|                | 1317        | UTILITY TRAILER SALES COMPANY         | TRUCK AND TRAILER COATING                  | 1                   | Toluene   | 0.09  |
|                | 1317        | UTILITY TRAILER SALES COMPANY         | TRUCK AND TRAILER COATING                  | 1                   | Xylenes (mixed)                                       | 0.06  |
|                | 1317        | UTILITY TRAILER SALES COMPANY         | TRUCK AND TRAILER COATING                  | 1                   | Formaldehyde  | 0.04  |
|                | 1317        | UTILITY TRAILER SALES COMPANY         | TRUCK AND TRAILER COATING                  | 1                   | Ethyl benzene   | 0.02  |
|                | 1317        | UTILITY TRAILER SALES COMPANY         | TRUCK AND TRAILER COATING                  | 1                   | Benzene   | 0.02  |

| Community Zone | DISTRICT ID | FACILITY NAME                  | FACILITY DESCRIPTION                  | # of ACTIVE PERMITS | POLLUTANT   | 2017     |
|----------------|-------------|--------------------------------|---------------------------------------|---------------------|---|----------|
| I              | 1317        | UTILITY TRAILER SALES COMPANY  | TRUCK AND TRAILER COATING             | 1                   | Hexane  | 0.01     |
| I              | 1317        | UTILITY TRAILER SALES COMPANY  | TRUCK AND TRAILER COATING             | 1                   | Acetaldehyde  | 0.01     |
| I              | 1317        | UTILITY TRAILER SALES COMPANY  | TRUCK AND TRAILER COATING             | 1                   | Acrolein  | 0.01     |
| I              | 1317        | UTILITY TRAILER SALES COMPANY  | TRUCK AND TRAILER COATING             | 1                   | PAHs, total   | 0.00     |
| I              | 1317        | UTILITY TRAILER SALES COMPANY  | TRUCK AND TRAILER COATING             | 1                   | Naphthalene   | 0.00     |
| I              | 920         | WEIR FLOWAY, INC.              | PUMP MANUFACTURING                    | 6                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.04     |
| I              | 1398        | WILBUR-ELLIS COMPANY           | FERTILIZER PRODUCTION                 | 4                   | Toluene   | 0.21     |
| I              | 1398        | WILBUR-ELLIS COMPANY           | FERTILIZER PRODUCTION                 | 4                   | Xylenes (mixed)                                       | 0.06     |
| I              | 1398        | WILBUR-ELLIS COMPANY           | FERTILIZER PRODUCTION                 | 4                   | Benzene   | 0.01     |
| J              | 8744        | CUSTOM AG FORMULATORS, INC     | FERTILIZER PRODUCTION                 | 8                   | Isopropyl alcohol                                     | 7.99     |
| J              | 3944        | ELI LILLY AND COMPANY          | DISTRIBUTION - PHARMACEUTICALS        | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.93     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Propylene   | 2.64     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Toluene   | 0.13     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Xylenes (mixed)                                       | 0.10     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Formaldehyde  | 0.06     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Ethyl benzene   | 0.03     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Benzene   | 0.03     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Hexane  | 0.02     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Acetaldehyde  | 0.02     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Acrolein  | 0.01     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | PAHs, total   | 0.00     |
| J              | 3168        | GEORGIA-PACIFIC CORRUGATED LLC | PAPER COATINGS                        | 1                   | Naphthalene   | 0.00     |
| J              | 3623        | INLAND STAR WAREHOUSE          | AGRICULTURAL PRODUCTS                 | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 3.65     |
| J              | 1003        | RED TRIANGLE                   | BULK PLANT                            | 4                   | Toluene   | 81.99    |
| J              | 1003        | RED TRIANGLE                   | BULK PLANT                            | 4                   | Xylenes (mixed)                                       | 25.54    |
| J              | 1003        | RED TRIANGLE                   | BULK PLANT                            | 4                   | Benzene   | 4.13     |
| J              | 1820        | RIO BRAVO FRESNO               | ELECTRICAL SERVICES COGENERATION      | 3                   | Ammonia   | 11954.96 |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Propylene   | 48.62    |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Toluene   | 2.43     |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Xylenes (mixed)                                       | 1.81     |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Formaldehyde  | 1.13     |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Ethyl benzene   | 0.63     |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Benzene   | 0.53     |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Hexane  | 0.42     |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Acetaldehyde  | 0.28     |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Acrolein  | 0.25     |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | Naphthalene   | 0.03     |
| J              | 903         | STRATAS FOODS, LLC             | VEGETABLE OIL MILLS                   | 2                   | PAHs, total   | 0.01     |
| J              | 948         | VITRO FLAT GLASS LLC           | GLASS MANUFACTURING                   | 21                  | Diesel engine exhaust, particulate matter (Diesel PM) | 28.25    |
| J              | 7165        | WESTROCK CP, LLC               | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Propylene   | 29.26    |
| J              | 7165        | WESTROCK CP, LLC               | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Toluene   | 1.46     |
| J              | 7165        | WESTROCK CP, LLC               | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Xylenes (mixed)                                       | 1.09     |
| J              | 7165        | WESTROCK CP, LLC               | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Formaldehyde  | 0.68     |
| J              | 7165        | WESTROCK CP, LLC               | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Diesel engine exhaust, particulate matter (Diesel PM) | 0.51     |
| J              | 7165        | WESTROCK CP, LLC               | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Ethyl benzene   | 0.38     |

| Community Zone | DISTRICT ID | FACILITY NAME                | FACILITY DESCRIPTION                  | # of ACTIVE PERMITS | POLLUTANT   | 2017  |
|----------------|-------------|------------------------------|---------------------------------------|---------------------|---|-------|
| J              | 7165        | WESTROCK CP, LLC             | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Benzene   | 0.32  |
| J              | 7165        | WESTROCK CP, LLC             | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Hexane  | 0.25  |
| J              | 7165        | WESTROCK CP, LLC             | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Acetaldehyde  | 0.17  |
| J              | 7165        | WESTROCK CP, LLC             | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Acrolein  | 0.15  |
| J              | 7165        | WESTROCK CP, LLC             | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | PAHs, total   | 0.02  |
| J              | 7165        | WESTROCK CP, LLC             | CORRUGATED CARDBOARD BOX MANUFACTURER | 11                  | Naphthalene   | 0.02  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Propylene   | 0.94  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Toluene   | 0.47  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Xylenes (mixed)                                       | 0.35  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Formaldehyde  | 0.22  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Ethyl benzene   | 0.12  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Benzene   | 0.10  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Hexane  | 0.08  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Acetaldehyde  | 0.05  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Acrolein  | 0.05  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | PAHs, total   | 0.02  |
| K              | 2696        | CALAVERAS MATERIALS INC      | ASPHALT PAVING MIXTURES               | 5                   | Naphthalene   | 0.02  |
| K              | 7875        | CITY OF FRESNO               | GOVERNMENT SERVICES                   | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.08  |
| K              | 2408        | GLEIM-CROWN PUMP INC         | PUMP MANUFACTURING                    | 2                   | Toluene   | 3.45  |
| K              | 2408        | GLEIM-CROWN PUMP INC         | PUMP MANUFACTURING                    | 2                   | Diesel engine exhaust, particulate matter (Diesel PM) | 2.06  |
| K              | 2408        | GLEIM-CROWN PUMP INC         | PUMP MANUFACTURING                    | 2                   | Xylenes (mixed)                                       | 1.03  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Benzene   | 0.25  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Propylene   | 2.05  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Toluene   | 0.10  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Xylenes (mixed)                                       | 0.08  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Formaldehyde  | 0.05  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Ethyl benzene   | 0.03  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Benzene   | 0.02  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Hexane  | 0.02  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Acetaldehyde  | 0.01  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Acrolein  | 0.01  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | PAHs, total   | 0.00  |
| K              | 782         | LIFCO CAPS SANDBLASTING      | METAL PARTS AND PRODUCTS COATING      | 9                   | Naphthalene   | 0.00  |
| K              | 8403        | MALAGA COUNTY WATER DISTRICT | MUNICIPAL WATER SUPPLIER              | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.04  |
| K              | 8630        | NICHOLAS J. BUSICK           | FREIGHT TRANSPORT                     | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 1.85  |
| K              | 1031        | ROBERT V. JENSEN, INC        | GASOLINE DISPENSING                   | 1                   | Toluene   | 50.60 |
| K              | 1031        | ROBERT V. JENSEN, INC        | GASOLINE DISPENSING                   | 1                   | Xylenes (mixed)                                       | 15.18 |
| K              | 1031        | ROBERT V. JENSEN, INC        | GASOLINE DISPENSING                   | 1                   | Benzene   | 3.86  |
| K              | 1077        | SFPP, L.P.                   | PETROLEUM TRANSPORTATION              | 37                  | Diesel engine exhaust, particulate matter (Diesel PM) | 29.10 |
| K              | 367         | VERIZON WIRELESS - CALWA     | TELECOMMUNICATIONS                    | 1                   | Diesel engine exhaust, particulate matter (Diesel PM) | 0.45  |



**Community Air Protection Program  
Annual Report  
San Joaquin Valley Air Pollution Control District  
Grant # G17-CAPP-26  
Report # 1**

Appendix E

**Sample of Community Steering Committee CERP Exercises  
South Central Fresno and the City of Shafter**

SHAFTER COMMUNITY EMISSIONS REDUCTION PROGRAM

**STEERING COMMITTEE: SOURCES OF CONCERN PRIORITIZATION**

STEERING COMMITTEE MEMBER NAME: \_\_\_\_\_

Great input from the Steering Committee has resulted in the list below of top community concerns about sources of air pollution in Shafter. This survey provides an opportunity for individual committee members to prioritize their concerns about different sources of air pollution, and to provide additional details about specific concerns.

**Instructions:**

1. Prioritize your level of concern about each air pollution source category by circling either **HIGH (most important to me)** or **MEDIUM (not as important as HIGH)** or **LOW (I know it's important, but lower priority than HIGH and MEDIUM)**
2. Please choose your top five sources of concern by placing an "X" in the "Pick Top 5" column
3. Please provide any comments or specifics about a source of concern in the "Notes" column
4. Fill in the "Additional Concerns" rows to add any sources of concern that are not already listed

**Please return this survey by June 5, 2019**, via email to: [AB617@valleyair.org](mailto:AB617@valleyair.org) or via postal mail to: Valley Air District, Attn: Jessica Coria; 1990 E. Gettysburg Ave, Fresno CA 93726.

| SOURCE TYPE                               | LEVEL OF CONCERN   | PICK TOP 5               | NOTES ABOUT SOURCE OF CONCERN            |
|---|--|--------------------------|--|
| Pesticides                                | <b>High</b> <b>Medium</b> <b>Low</b><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> |  |
| Smoke from fireplaces                     | <b>High</b> <b>Medium</b> <b>Low</b><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> |  |
| Heavy duty truck emissions (diesel PM)    | <b>High</b> <b>Medium</b> <b>Low</b><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> | Specific locations of concern?           |
| Emissions from oil and gas operations     | <b>High</b> <b>Medium</b> <b>Low</b><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> | Specific facilities or sites of concern? |
| Emissions from older, high polluting cars | <b>High</b> <b>Medium</b> <b>Low</b><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> |  |
| Dust from harvesting                      | <b>High</b> <b>Medium</b> <b>Low</b><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> |  |

| SOURCE TYPE  | LEVEL OF CONCERN  | PICK TOP 5               | NOTES ABOUT SOURCE OF CONCERN  |
|--|---|--------------------------|--------------------------------|
| Residential trash burning/burn barrels   | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Emissions from school and/or transit buses                                       | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Dairy emissions  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Idling passenger vehicles and heavy duty trucks                                  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Emissions from diesel engine equipment (tractors, forklifts, pump engines, etc.) | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Landfill emissions   | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Track-out on roads from trucks   | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> | Specific locations of concern? |
| Agricultural burning   | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Pollution from trains  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Lack of charging infrastructure or repair facilities for electric vehicles       | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Construction emissions   | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |
| Emissions from lawn and garden equipment   | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                |

| SOURCE TYPE   | LEVEL OF CONCERN  | PICK TOP 5               | NOTES ABOUT SOURCE OF CONCERN   |
|---|---|--------------------------|---------------------------------|
| Dust from unpaved roads   | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> | Specific locations of concern?  |
| Improved neighborhood walkability (sidewalks, streetlights, etc.) | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> | Specific locations of concern?  |
| Distribution centers/warehouses                                   | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> | Specific facilities of concern? |
| Other manufacturing/industrial emissions                          | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> | Specific facilities of concern? |
| Additional concerns:  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                 |
| Additional concerns:  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                 |
| Additional concerns:  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                 |
| Additional concerns:  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                 |
| Additional concerns:  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                 |
| Additional concerns:  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                 |
| Additional concerns:  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                 |
| Additional concerns:  | <b>High</b> <input type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/> | <input type="checkbox"/> |                                 |

**Thank you for your input and participation as a part of the Shafter Steering Committee!**



## **South Central Fresno Steering Committee- May 30, 2019 Meeting Community Sources of Concern Exercise**

*The purpose of this exercise is to solicit Steering Committee feedback on source types of concern in the community, group this feedback into source categories, and then to prioritize source categories of concern.*

### **a. Sticky Note Brainstorming: Affinity Diagrams**

#### **Materials:**

- Same Color Post-it Notes
- Pens for all participants
- 3 large butcher paper posters titled, "The pollution sources I am most concerned about in my community are..." (placed in three different areas in the room)
- Large post-it posters on easel

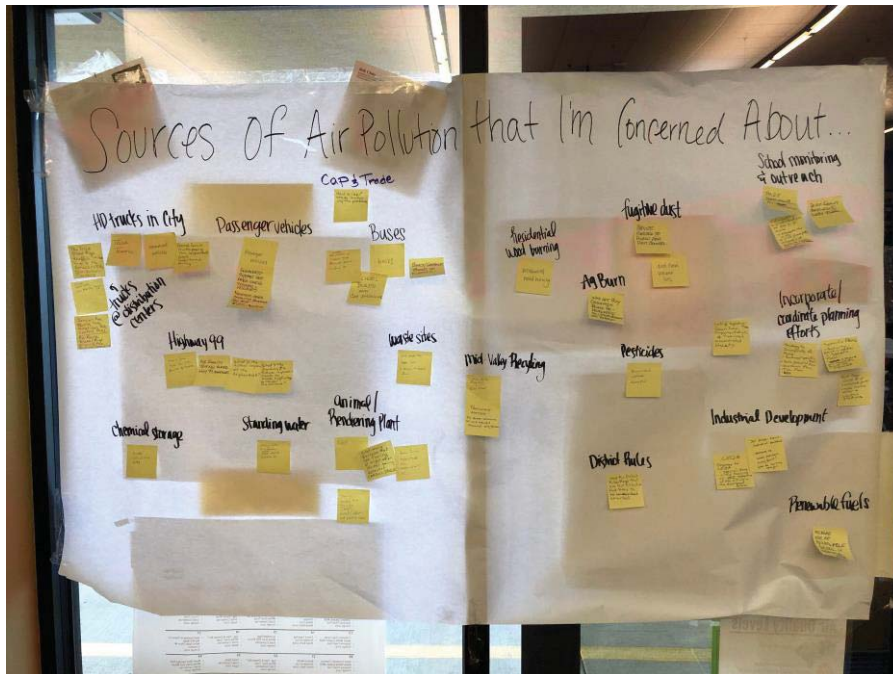
Begin the session by giving each participant a stack of "sticky notes" and a bold pen. Ask participants to write their ideas on the sticky notes: one idea per note, written legibly.

Break participants up into three smaller groups, with District staff acting as group facilitators. Introduce facilitators, and explain that we will be grouping similar ideas together to see where similarities exist. Collect the notes and stick them on the large poster. OR Invite participants to get up and stick their ideas to the poster themselves. Explain that participants should attempt to place their ideas near other ideas with similar key words.

Once all the ideas are posted, invite all participants to come up to the walls to read the comments that have been posted. Allow time for discussion of source categories and encourage questions. Have District staff knowledgeable about incentives, enforcement, and permitting on hand to help answer questions.

As each group discusses its shared ideas, organize similar ideas into "clumps" on the posters. Be certain that all participants are in agreement about the clumping that is done. Then give each clump a title. Identical ideas can be overlapped. Other ideas might not fit neatly into a clump, so they will need to stand alone.

Bring the three groups together back to one main group. Main facilitator will review and discuss categories generated by each small group with the main group, highlighting where similarities exist. Based on results of all three groups, facilitator will work with main group to develop a Committee-wide list of concerns.



## b. Prioritization of Categories: Multivoting



### Materials:

- Sticky Dots for Voting

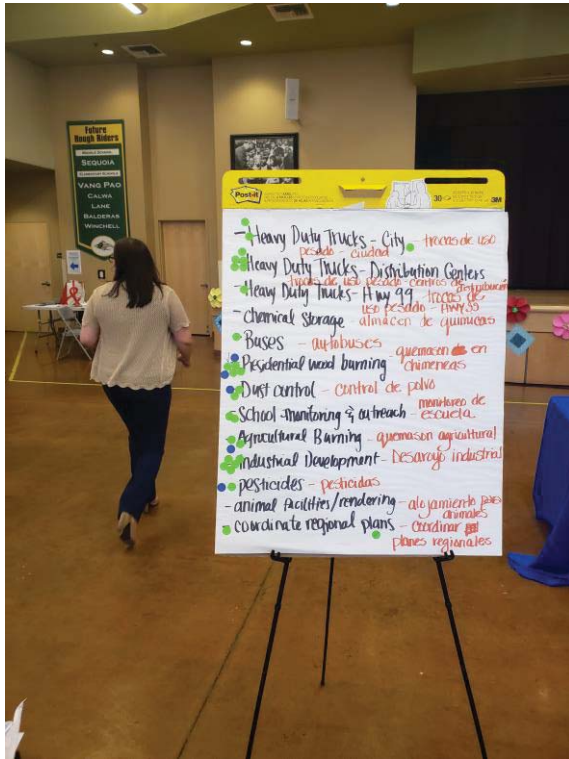
Facilitator will explain that the purpose of this exercise will be to get a sense of the relative priority of each source category. Explain that in multivoting every participant gets the same number of votes. Each participant will have (3-6) votes (depending on the number of source categories generated in Exercise A). Explain that participants may want to consider the following factors during voting:

- Sources that are most important to you to address;
- Sources where incentive programs may most benefit community members
- Sources that do not currently have a program to reduce emissions, or where you would like to see increased outreach to promote or enforce existing programs in the community
- Sources with the highest emissions
- Sources with emissions that are most impactful to public health

Explain whether people can "stack" their votes on items (give items of top priority more than one vote) or whether they need to use each vote for a separate item.

Then invite everyone to come up to the charts to mark their top choices.

Once the votes are tallied, be clear that all sources of concern will be documented in the Community Emissions Reduction Program and analyzed for potential reductions. This prioritization may be used by the Committee if there are questions about what measures to implement once strategies have been created.



| MEASURE # | TABLE # | CATEGORY          | STRATEGY CONCEPTS BASED ON COMMUNITY INPUT  | IMPLEMENTING AGENCY          |
|-----------|---------|-------------------|---|------------------------------|
| 1         | 1       | Passenger Cars    | Provide enhanced financial incentives to remove older autos from the community through the District's Drive Clean in the San Joaquin program.   | Valley Air District          |
| 2         | 1       | Passenger Cars    | Host a local Tune-In Tune-Up event within the community to reduce emissions from older, high polluting cars.  | Valley Air District          |
| 3         | 1       | Passenger Cars    | Provide incentive funding to support the purchase of electric vehicles, charging infrastructure in the community.   | Valley Air District          |
| 4         | 1       | Passenger Cars    | Evaluate the feasibility of additional ride share programs and/or incentives for ride sharing in the community.   | Valley Air District          |
| 5         | 1       | Passenger Cars    | Increase educational training for EV mechanics, and support the deployment of additional EV repair facilities in the community, as feasible.  | Valley Air District          |
| 6         | 2       | Heavy Duty Trucks | Provide enhanced incentive funding for zero and near-zero emissions clean truck technologies that operate within the community.   | Valley Air District          |
| 7         | 2       | Heavy Duty Trucks | Develop community-specific enhancements to support the deployment of clean yard trucks, transportation refrigeration units, and related infrastructure at warehouses and other facilities within the community, with priority on zero emissions technologies. | Valley Air District          |
| 8         | 2       | Heavy Duty Trucks | Develop and/or work to implement measures that reduce idling of heavy duty trucks within the community.   | Valley Air District and CARB |



| MEASURE # | TABLE # | CATEGORY                 | STRATEGY CONCEPTS BASED ON COMMUNITY INPUT  | IMPLEMENTING AGENCY                             |
|-----------|---------|--------------------------|---|---|
| 9         | 2       | Heavy Duty Trucks        | Develop an enhanced enforcement program to identify and repair trucks and buses with faulty emission control systems.   | CARB  |
| 10        | 2       | Heavy Duty Trucks        | Amend warranty requirements and its inspection program for trucks to add a lower in-use emissions performance level.  | CARB  |
| 11        | 2       | School Buses             | Provide enhanced incentives for the purchase of electric school buses to operate within the community.  | Valley Air District                             |
| 12        | 2       | Transit Buses            | Develop enhanced incentive programs for electric transit buses within the community.  | Valley Air District and local transit operators |
| 13        | 2       | Public Fleets            | Provide incentives to local public agencies for the deployment of the cleanest available vehicles and equipment in public fleets (light duty vehicles, refuse fleet, off-road fleet, emergency vehicles, etc.). | Valley Air District                             |
| 14        | 2       | Trains                   | Provide enhanced incentive funding to replace high-polluting locomotives with clean engine technologies for trains that operate in or near the community.   | Valley Air District                             |
| 15        | 2       | Trains                   | Provide incentives for electric railyard switchers for train depots within the community.   | Valley Air District                             |
| 16        | 3       | Residential Wood Burning | Implement enhanced District Rule 4901 (Wood Burning Fireplaces and Wood Burning Heaters) requirements (as included in District's 2018 PM2.5 Plan).  | Valley Air District                             |

| MEASURE # | TABLE # | CATEGORY                  | STRATEGY CONCEPTS BASED ON COMMUNITY INPUT  | IMPLEMENTING AGENCY                 |
|-----------|---------|---------------------------|---|-------------------------------------|
| 17        | 3       | Residential Wood Burning  | Provide enhanced financial incentives to replace existing wood burning devices and pellet stoves with natural gas or electric technologies.   | Valley Air District                 |
| 18        | 3       | Residential Wood Burning  | Conduct outreach in the community to educate residents about the importance of reducing wood burning and associated health impacts, and programs available to support the transition to natural gas and electric devices. | Valley Air District                 |
| 19        | 3       | Residential Open Burning  | Conduct expanded outreach and education to reduce illegal burning of residential waste.   | Valley Air District and City/County |
| 20        | 3       | Solar Power               | Provide incentives for local businesses and homeowners to install solar power and energy storage systems.   | Air District and PUC                |
| 21        | 3       | Lawn and Garden Equipment | Provide an enhanced incentive program for the replacement of <b>residential</b> lawn and garden equipment in the community through the District's Clean Green Yard Machines program.                                      | Valley Air District                 |
| 22        | 3       | Lawn and Garden Equipment | Provide an enhanced incentive program for the replacement of <b>commercial</b> lawn and garden equipment in the community through the District's Clean Green Yard Machines program.                                       | Valley Air District/CARB            |
| 23        | 3       | Commercial Cooking        | Provide incentives to further reduce smoke and other pollution from restaurants that use underfired charbroilers.   | Valley Air District                 |

| MEASURE # | TABLE # | CATEGORY                                 | STRATEGY CONCEPTS BASED ON COMMUNITY INPUT   | IMPLEMENTING AGENCY                                     |
|-----------|---------|--|--|---|
| 24        | 3       | School Programs: Filtration              | Provide financial incentives for the purchase and installation of enhanced Air Filtration systems at schools in the community.   | Valley Air District                                     |
| 25        | 3       | School Programs (HAL)                    | Increase the number of schools enrolled in the District's Healthy Air Living School program to help reduce children's exposure to unhealthy air conditions.                                    | Valley Air District and local school district           |
| 26        | 3       | Sensitive Receptors (Exposure reduction) | Work with agency and local partners to investigate measures to reduce indoor emissions and exposure, including weatherization, energy efficiency, enhanced filtration, and other services.     | CARB, CEC, PUC, IOUs, City, County, Valley Air District |
| 27        | 3       | Sensitive Receptors (Idling signage)     | Install additional anti-idling signs installed near schools and other land uses that serve children and seniors  | Valley Air District, CARB, City and County              |
| 28        | 3       | Outreach                                 | Host outreach events within the community to increase awareness of available air quality improvement programs.   | Valley Air District and local partners                  |
| 29        | 3       | Outreach                                 | Provide additional information to the community about real-time air quality conditions and appropriate measures the public should take to protect themselves during poor air quality episodes. | Valley Air District                                     |

| MEASURE # | TABLE # | CATEGORY                         | STRATEGY CONCEPTS BASED ON COMMUNITY INPUT  | IMPLEMENTING AGENCY   |
|-----------|---------|----------------------------------|---|---|
| 30        | 3       | Road Dust                        | Evaluate increasing the frequency of street sweeping along the edges of freeways near the community.  | CDOT  |
| 31        | 3       | Road Dust                        | Evaluate increasing the frequency of street sweeping in the community to reduce road dust.  | City and County   |
| 32        | 3       | Urban Greening/Forestry          | Identify opportunities for increased urban greening and forestry in the community.  | Valley Air District and other local partners  |
| 33        | 3       | Road paving/sidewalks            | Consider paving roads and sidewalks within the community to help reduce dust pollution.   | City and County   |
| 34        | 3       | Vegetative Barriers              | Provide incentives for the installation of vegetative barriers around/near sources of concern to reduce particulate matter, odor, and other emissions, as feasible.             | Valley Air District, City, County, CDOT, and other local partners                   |
| 35        | 4       | Land Use/Sustainable Development | Support projects that reduce vehicle miles traveled in the community, including measures that promote active transport and increase the walkability of community neighborhoods. | Valley Air District, planning organizations, local developers, other local partners |



| MEASURE # | TABLE # | CATEGORY                          | STRATEGY CONCEPTS BASED ON COMMUNITY INPUT   | IMPLEMENTING AGENCY             |
|-----------|---------|-----------------------------------|--|---------------------------------|
| 36        | 4       | Land use                          | Build capacity for electric infrastructure and power storage, support development of fast-charging facilities, set aside land for green infrastructure, truck charging stations and better land use support for electric trucks.         | City and County                 |
| 37        | 4       | New Construction                  | Provide assistance during the CEQA process with guidance on how the project may impact air quality in the Valley, and information on how air pollution impacts can be reduced.   | Valley Air District             |
| 38        | 4       | Stationary Sources                | Provide incentives for stationary source facilities within the community to install advanced control technology beyond existing controls that would not otherwise be economically feasible to install, as feasible.                      | Valley Air District             |
| 39        | 4       | Oil and Gas Production Activities | Evaluate the feasibility of an incentive program for oil and gas operations near the City of Shafter to fund the installation of technologies that further reduce production-related emissions, including those from flaring activities. | Valley Air District             |
| 40        | 5       | Ag Engines                        | Provide enhanced incentives (capital, rate structure) to replace existing diesel agricultural pump engines with electric pumps and related infrastructure, as feasible, or with Tier 4 engines if electrification is not feasible.       | Valley Air District and PUC/IOU |
| 41        | 5       | Ag Equipment                      | Provide incentives to replace diesel agricultural equipment with the cleanest available equipment.   | Valley Air District             |

| MEASURE # | TABLE # | CATEGORY                                 | STRATEGY CONCEPTS BASED ON COMMUNITY INPUT   | IMPLEMENTING AGENCY          |
|-----------|---------|--|--|------------------------------|
| 42        | 5       | Nut Harvesting                           | Provide incentives for low-dust technology nut harvesters to target the replacement of nut harvesting equipment with low dust technologies for farmland surrounding the City of Shafter.   | Valley Air District          |
| 43        | 5       | Agricultural Open Burning                | Provide enhanced incentive funding to promote alternatives practices and technologies to open burning of agricultural materials.   | Valley Air District          |
| 44        | 5       | Dairy feed mix electrification           | Provide incentives for electric dairy feed mixing equipment to target dairy operations near the community of Shafter.  | Valley Air District          |
| 45        | 5       | Dairy Digesters                          | Support dairy operations near the City of Shafter in installing dairy digesters, which capture emissions of methane for productive use in energy production.   | Valley Air District and CDFA |
| 46        | 5       | Dairy trucks                             | Provide incentives for the replacement of diesel dairy trucks with zero or near-zero emissions technologies.   | Valley Air District          |
| 47        | 5       | Alternative manure management strategies | Support dairy farms near Shafter with the implementation of alternative manure management strategies that help further reduce the emissions of VOCs, ammonia, and methane, through funding and educational outreach about programs available through state agencies. | Valley Air District and CDFA |

| MEASURE # | TABLE # | CATEGORY                                       | STRATEGY CONCEPTS BASED ON COMMUNITY INPUT   | IMPLEMENTING AGENCY        |
|-----------|---------|--|--|----------------------------|
| 48        | 5       | Agricultural Conservation Management Practices | Work with local agricultural operations to offer incentives to promote increased implementation of conservation management practices that further reduce particulate matter emissions, including conservation tillage and other practices. | Valley Air District        |
| 49        | 6       | Pesticides                                     | Evaluate additional opportunities to address pesticide concerns, including providing additional information regarding monitoring efforts and development of enhanced notification, as feasible.  | CARB, DPR, Ag Commissioner |

**Community Air Protection Program  
Annual Report  
San Joaquin Valley Air Pollution Control District  
Grant # G17-CAPP-26  
Report # 1**

Appendix F

**Expedited BARCT Implementation Schedule**



| <b>Rule</b> | <b>Title</b>  | <b>BARCT Determination Status</b>                   | <b>BARCT Determination Schedule</b> | <b>BARCT Rulemaking Schedule (if necessary)</b> |
|-------------|---|---|-------------------------------------|---|
| 4454        | Refinery Process Unit Turnaround  | Scheduled   | 2019                                | 2020  |
| 4641        | Cutback, Slow Cure, And Emulsified Asphalt, Paving And Maintenance Operations   | Scheduled   | 2019                                | 2020  |
| 4104        | Reduction of Animal Matter  | Scheduled   | 2019                                | 2020  |
| 4409        | Components at Light Crude Oil Production Facilities, Natural Gas Production Facilities, and Natural Gas Processing Facilities | Scheduled   | 2019                                | 2020  |
| 4455        | Components at Petroleum Refineries, Gas Liquids Processing Facilities, and Chemical Plants                                    | Scheduled   | 2019                                | 2020  |
| 4702        | Internal Combustion Engines (VOC only)  | Scheduled in conjunction with PM2.5 Plan commitment | 2020                                | 2020  |
| 4623        | Storage of Organic Liquids  | Scheduled   | 2020                                | 2021  |
| 4694        | Wine Fermentation and Storage Tanks   | Scheduled   | 2020                                | 2021  |
| 4624        | Transfer of Organic Liquid  | Scheduled   | 2020                                | 2021  |
| 4603        | Surface Coating of Metal Parts and Products, Plastic Parts and Products, and Pleasure Crafts                                  | Scheduled   | 2020                                | 2021  |
| 4601        | Architectural Coatings  | Scheduled   | 2020                                | 2021  |
| 4401        | Steam-Enhanced Crude Oil Production Wells   | Scheduled   | 2021                                | 2022  |
| 4566        | Organic Material Composting Operations  | Scheduled   | 2021                                | 2022  |
| 4625        | Wastewater Separators   | Scheduled   | 2021                                | 2022  |

|      |  |  |      |      |
|------|--|--|------|------|
| 4621 | Gasoline Transfer Into Stationary Storage Containers, Delivery Vessels, and Bulk Plant   | Scheduled  | 2021 | 2022 |
| 4402 | Crude Oil Production Sumps   | Scheduled  | 2021 | 2022 |
| 4351 | Boilers, Steam Generators, and Process Heaters - Phase 1   | Rule superseded by more stringent rules, District Rules 4305, 4306, and 4320 | ---  | ---  |
| 4405 | Oxides of Nitrogen Emissions from Existing Steam Generators Used in Thermally Enhanced Oil Recovery - Central and Western Kern County Fields | Rule superseded by more stringent rules, District Rules 4305, 4306, and 4320 | ---  | ---  |
| 4406 | Sulfur Compounds from Oil-Field Steam Generators - Kern County   | Rule superseded by more stringent rules, District Rules 4305, 4306, and 4320 | ---  | ---  |
| 4305 | Boilers, Steam Generators, and Process Heaters - Phase 2   | Rule superseded by District Rules 4306 and 4320, more a stringent rules      | ---  | ---  |
| 4701 | Internal Combustion Engines - Phase 1  | Rule superseded by District Rule 4702, a more stringent rule                 | ---  | ---  |
| 4309 | Dryers, Dehydrators, and Ovens   | Rule determined to meet BARCT  | ---  | ---  |
| 4703 | Stationary Gas Turbines  | Rule determined to meet BARCT  | ---  | ---  |
| 4306 | Boilers, Steam Generators, and Process Heaters - Phase 3   | Rule determined to meet BARCT  | ---  | ---  |
| 4307 | Boilers, Steam Generators, and Process Heaters - 2.0 MMBtu/hr to 5.0 MMBtu/hr  | Rule determined to meet BARCT  | ---  | ---  |
| 4320 | Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr                             | Rule determined to meet BARCT  | ---  | ---  |

|      |   |                               |     |     |
|------|---|-------------------------------|-----|-----|
| 4311 | Flares  | Rule determined to meet BARCT | --- | --- |
| 4354 | Glass Melting Furnaces                                | Rule determined to meet BARCT | --- | --- |
| 4408 | Glycol Dehydration Systems                            | Rule determined to meet BARCT | --- | --- |
| 4453 | Refinery Vacuum Producing Devices or Systems          | Rule determined to meet BARCT | --- | --- |
| 4612 | Motor Vehicle and Mobile Equipment Coating Operations | Rule determined to meet BARCT | --- | --- |
| 4622 | Gasoline Transfer into Motor Vehicle Fuel Tanks       | Rule determined to meet BARCT | --- | --- |

Upcoming 2018 PM2.5 Plan Rule Amendment Efforts

In addition to the BARCT implementation schedule above, the District will be proceeding with amending eight District rules to pursue additional emission reduction opportunities beyond BARCT, included as commitments in the *2018 PM2.5 Plan* as follows:

| <b>Rule</b>   | <b>Title</b>  | <b>BARCT Status</b>  | <b>PM2.5 Plan Rulemaking Schedule</b> |
|---------------|---|--|---------------------------------------|
| 4901          | Wood Burning Fireplaces and Wood Burning Heaters  | No units subject to AB 617 BARCT analysis  | 2019                                  |
| 4311          | Flares  | Rule meets or exceeds BARCT  | 2020                                  |
| 4306 and 4320 | Boilers, Steam Generators, and Process Heaters - Phase 3 and Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater than 5.0 MMBtu/hr | Rule meets or exceeds BARCT  | 2020                                  |
| 4702          | Internal Combustion Engines   | Rule meets or exceeds BARCT for NOx, updated AB 617 BARCT determination scheduled for VOCs | 2020                                  |
| 4692          | Commercial Charbroiling   | No units subject to AB 617 BARCT analysis  | 2020                                  |

|      |  |   |      |
|------|--|---|------|
| 4352 | Solid Fuel-Fired Boilers, Steam Generators and Process Heaters | No units subject to AB 617 BARCT analysis | 2021 |
| 4354 | Glass Melting Furnaces   | Rule meets or exceeds BARCT               | 2021 |