

Components of the Steering Committee Charter

- Committee objectives
- Roles and responsibilities
- Standard Committee Meeting Procedures
 - Deliberation and Consensus
 - Meeting frequency
 - Meeting dates, times, and locations to ensure accessibility
 - Use of facilitation services
 - Use of interpretation services at steering committee meetings and other outreach events

Community Steering Committee Objectives

- Identify areas of concern for air pollution sources (within and outside of Community) and sensitive receptor sites
- Review existing available information on air quality
- Disseminate and solicit information to and from community stakeholders that each committee member represents
- Through the Committee's advisory role, assist the District with development of:
 - Air monitoring plan to be implemented by July 2019
 - Community Emission Reduction Program to be adopted by District Governing Board before October 2019

Committee Roles and Responsibilities

- To inform your role of advising the District in its development of the Community Emission Reduction Program (CERP), the Committee members will discuss a variety of topics including:
 - community issues and contributing sources to develop a shared understanding of the community’s air pollution challenge;
 - who has responsibility and authority to address those issues;
 - proposed strategies for the community emissions reduction programs;
 - mechanisms for engaging with other agencies;
 - approaches for additional community outreach;
 - other topics of interest to the committee

Committee Roles and Responsibilities (con't)

- The committee will discuss the major elements of the Community Emission Reduction Program as they are developed including:
 - community engagement;
 - the community profile and technical assessment;
 - targets and strategies; the enforcement plan; and metrics to track progress
- Government official committee members serve as full participants in the committee, except that they serve in an advisory role, not a voting role, in final consensus building and decision making processes

Committee Roles and Responsibilities (con't)

- Committee Member Participation:
 - Members (or designated alternates) are expected to attend all committee meetings, in their entirety, throughout the course of the year prior to the Community Emissions Reduction Program adoption
 - If primary member is unable to attend, designated alternate on the steering committee roster may attend in their absence and deliberate on the primary member's behalf
 - The primary member is responsible for working with the District ensuring that the alternate is kept informed of the committee's process
 - To encourage active participation, if a primary member or their alternate has not attended three consecutive steering committee meetings, their membership may be revoked

Standard Committee Meeting Procedures

Key Considerations

- Deliberation and Consensus
 - Professional and impartial facilitators will be employed to support the steering committee in the overall organization, order and focus of the meeting, resolve conflicts and help reach consensus to ensure the goals and objectives of this charter are met
 - Achieving full consensus of the steering committee may not always be possible. However, reasonable efforts will be made to capture all of the perspectives that were expressed in meeting minutes, committee documents, and related reports, including the final Community Emission Reduction Program

Standard Committee Meeting Procedures

Key Considerations (con't)

- Meeting Schedule and Agendas
 - Upon consensus agreement of the committee, meeting schedules may be adjusted with adequate advance notice
 - Agendas and agenda topics will be informed by committee input, developed by the Air District, and will include the time, date, duration, location and topics to be discussed
- Accessibility/Accommodation
 - The steering committee meetings and other events associated with the committee must be held at facilities that can accommodate members covered by the Americans with Disabilities Act
 - Language interpretation services will be provided in Spanish at all meetings, and as needed in other languages with a minimum 48-hour advance request

Comments Received and Addressed

- The Charter should state clearly that sources of emissions that exist outside the Community’s boundary, but that may impact the Community, can be treated as if they were within the Community Boundaries.
 - Done (already allowed by state’s “Blueprint”)
- The advisory role of Committee members who are representatives of government agencies should be moved from Attachment A, “AB 617 Community Steering Committee Selection Criteria,” to the Charter itself.
 - Done (nothing new, already part of membership selection criteria)

No comments received

- No comments received on one question:
whether a “Code of Conduct” or a “Participation Agreement” was necessary or desired
 - Because it had already been prepared for the Draft Charter, a Participation Agreement is included as Attachment B

Key question – Does the Committee:

- want the Participation Agreement, or
- approve Charter without Participation Agreement?

Sources of Emissions within South Central Fresno Community

January 16, 2019

Brian Clements

Technical Services Program Manager
San Joaquin Valley Air Pollution Control District

Criteria Pollutant Emissions

- TOG: Total Organic Gases
- ROG: Reactive Organic Gases (used by ARB)
- VOC: Volatile Organic Compounds (used by EPA and SJV)
- CO: Carbon Monoxide
- NO_x: Oxides of Nitrogen
- SO_x: Oxides of Sulfur
- PM: Particulate Matter
- PM₁₀: Particulate Matter < 10 Microns in diameter
- PM_{2.5}: Particulate Matter < 2.5 Microns in diameter
- NH₃: Ammonia

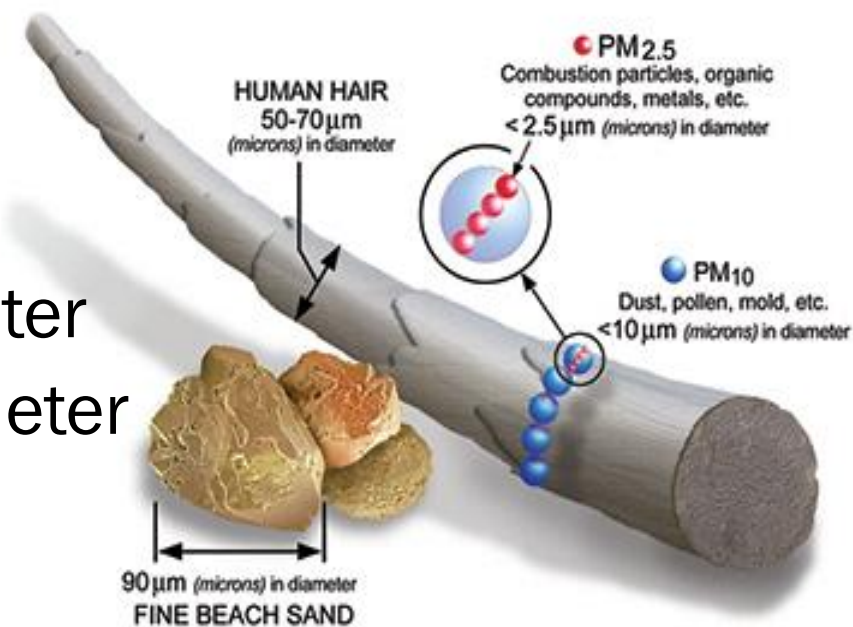


Image courtesy of the U.S. EPA

Air Toxic Emissions

- Hazardous Air Pollutants (HAPs) – EPA
 - 190 compounds listed
- Toxic Air Contaminants (TACs) – CARB
 - 797 Compounds listed
- Examples of air toxics
 - Particulate matter from diesel engine trucks and generators exhaust
 - Benzene and formaldehyde and from cars and trucks using gasoline
 - Benzene, ethylbenzene, naphthalene in vapors from painting
 - Benzene, toluene, ethylbenzene, and xylene (BTEX) from gas station activities
 - Lead, chrome, nickel and other metals from field and road dust

Sources of Emissions

- Various source types contribute to emissions within community
- Stationary Sources (Regulated by the District)
 - Gas stations, auto body shops, backup diesel generators, oil industry activities
 - 198 permitted facilities
- Mobile On-Road Sources (State and Federal Jurisdiction)
 - Cars and trucks
 - Main roadways (Highways: 99 / 41 / 180 / 168)
- Mobile Off-Road Sources (State and Federal Jurisdiction)
 - Forklifts, construction equipment, railyard equipment
- Areawide Sources (Regulated by Various Agencies)
 - Residential fuel combustion, cooking, consumer products, architectural coating

Work by District to Quantify Emissions

- Actual emissions reported annually to District by permitted facilities
- The emissions are quantified using:
 - Annual process, fuel, or usage rate
 - Emission factor
 - Monitoring data
 - Source test
 - EPA or CARB data
 - Permit limit
 - Other data

South Central Fresno Emissions Summary

Source Category	Emissions (tons/year)		
	NOx	PM2.5	VOC
Stationary Source	14	16	34
Mobile - On Road	1,205	21	369
Mobile - Off Road	114	5	15
Areawide	121	58	856
Total	1,454	100	1,274

Source Category	Emissions (% of total by pollutant)		
	NOx	PM2.5	VOC
Stationary Source	1%	16%	3%
Mobile - On Road	83%	21%	29%
Mobile - Off Road	8%	5%	1%
Areawide	8%	58%	67%
Total	100%	100%	100%

- District stationary source air toxics emissions are 2.3 tons/year

Community Stationary Source Emissions

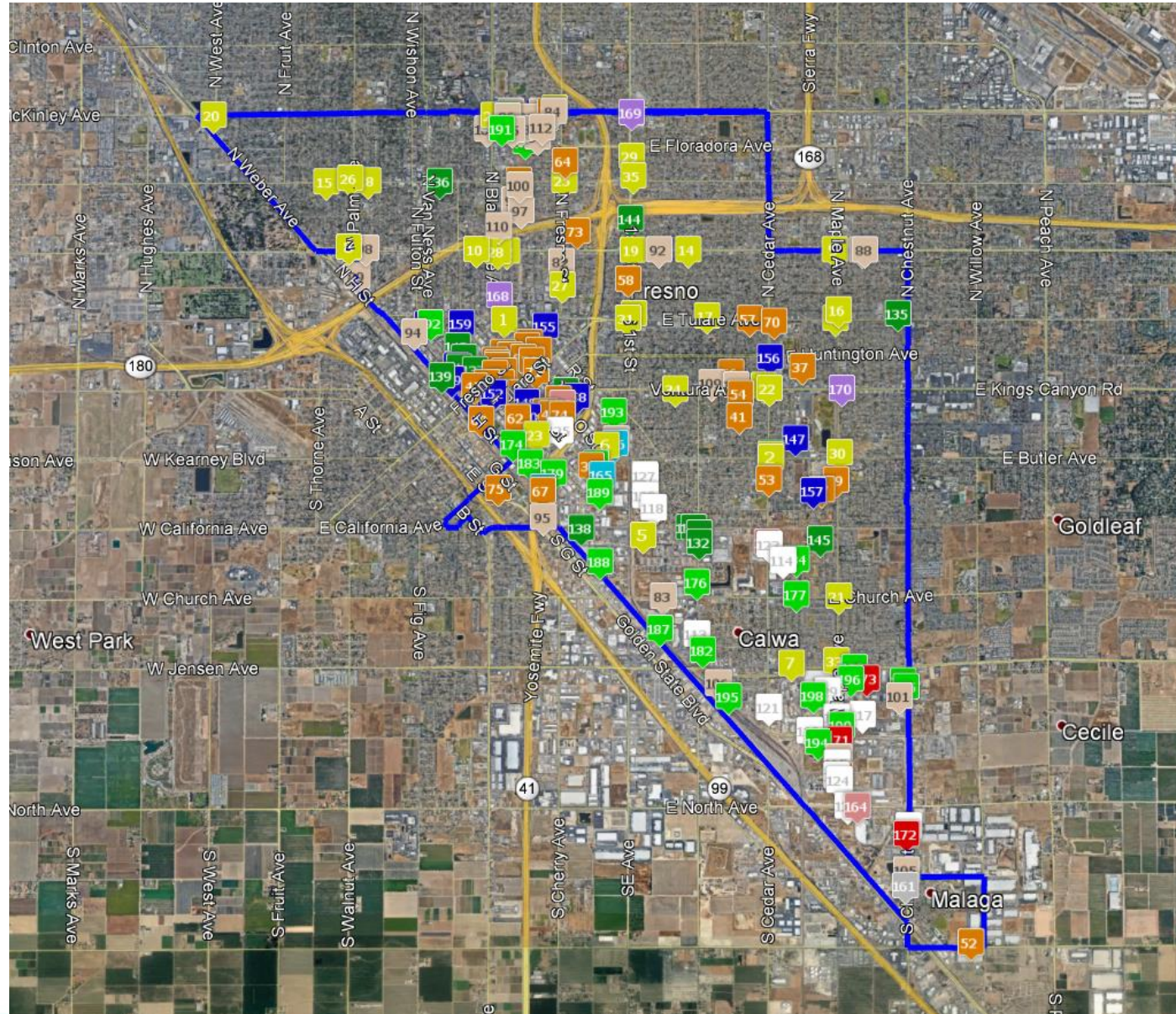
Facility Name	NOx (tpy)
Fresno Community Hospital	3.0
Calco Gen	1.3
Kraft Heinz Foods	1.3
Malaga Power	0.9
Betts Company	0.9

Facility Name	PM2.5 (tpy)
Modern Custom Fabrication	3.8
Kraft Heinz Foods	1.8
Gusmer Enterprises	1.3
Mission Uniform Linen	1.3
Miller Milling	0.9

Facility Name	VOC (tpy)
IPT	7.8
Praxair Distribution	3.6
Tulare Arco	2.3
Betts Company	2.1
Modern Custom Fabrication	1.5

Facility Name	Toxic Name	Air Toxics (tpy)
Malaga Power	Ammonia	0.4
Calco Gen	Ammonia	0.2
Tulare Arco	Toluene	0.2
Kraft Heinz Foods	Propylene	0.1
C&B Arco	Toluene	0.1

District Permitted Facilities



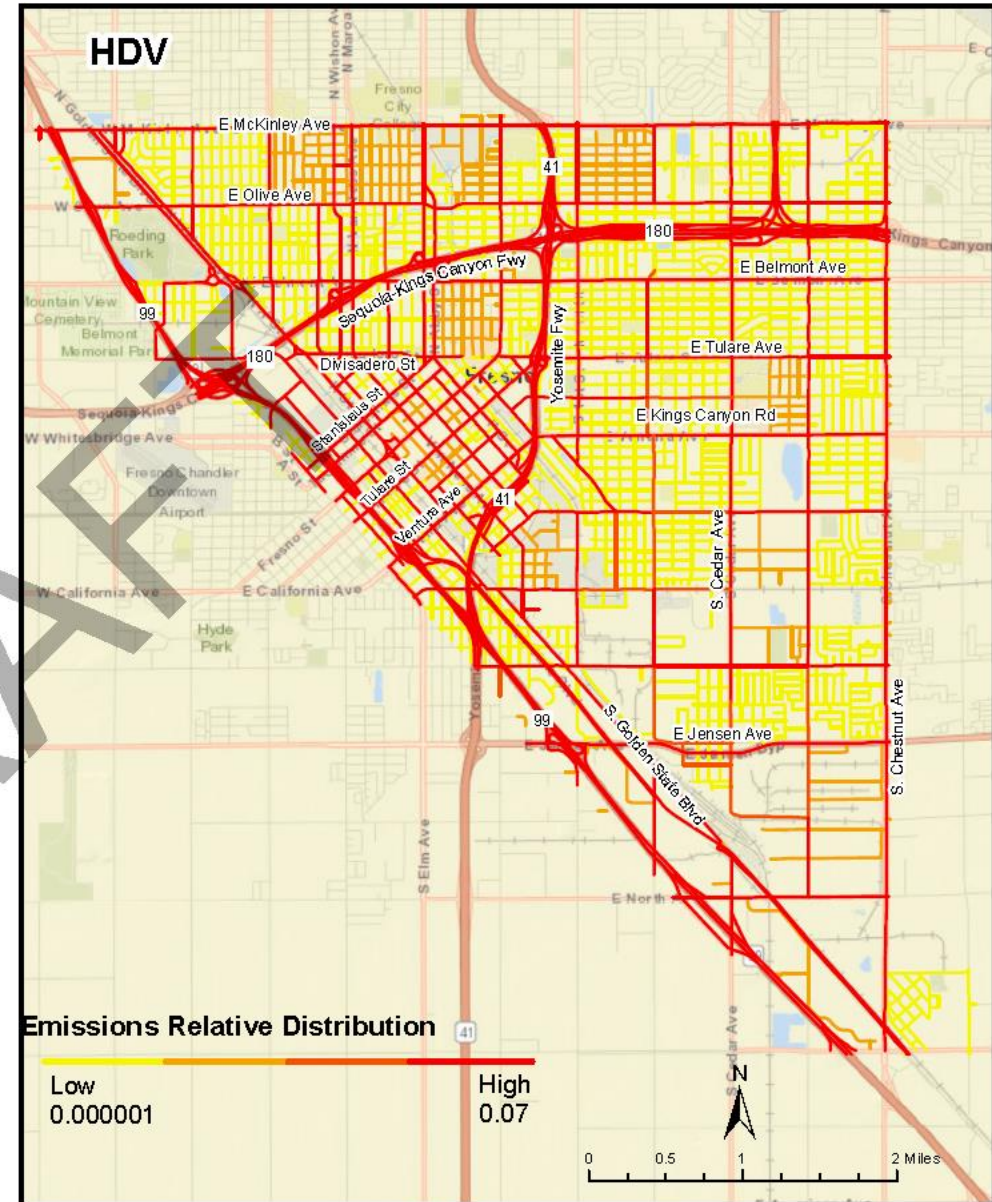
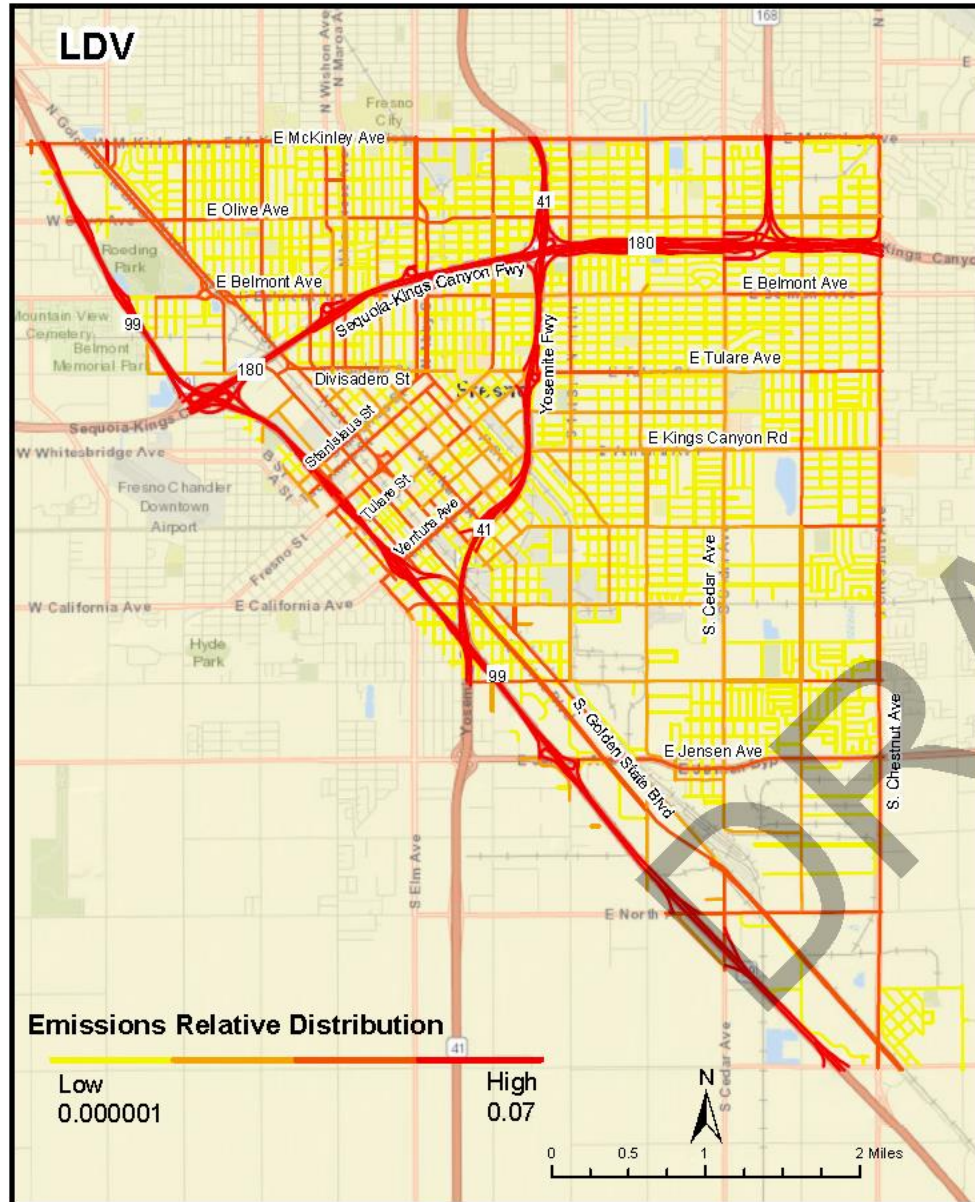
Areawide Emissions in S. Central Fresno

Categories (Top 5 Contributors)	NOx (tpy)
Residential Fuel Burning	45.7
Manufacturing and Industrial	34.4
Service and Commercial	33.5
Other Fuel Combustion	7
Fires	0.3

Categories (Top 5 Contributors)	VOC (tpy)
Other Cleaning and Surface Coatings	317.6
Consumer Products	206.2
Architectural Coatings and Solvents	98.9
Coatings and Solvents	79.8
Printing	41.7

Categories (Top 5 Contributors)	PM2.5 (tpy)
Cooking	46.1
Construction and Demolition	4.9
Residential Fuel Burning	4
Service and Commercial	1.8
Fires	0.9

On-Road Mobile Source Emissions in S. Central Fresno



Mobile Source Emissions in S. Central Fresno

Mobile Sources	Emissions (tons/year)		
	NOx	PM2.5	VOC
On-Road Heavy Duty Vehicles	803	18	44
On-Road Light Duty Vehicles	402	3	325
Off-Road Vehicles	114	5	15
Total	1,319	26	384