



September 30, 2019

Mr. Richard Corey  
Executive Officer  
California Air Resources Board  
1001 "I" Street  
Sacramento, CA 95812

**Re: San Joaquin Valley AB 617 Second Year Community Recommendation**

Dear Mr. Corey:

Enclosed are the San Joaquin Valley Air Pollution Control District's (District) recommendations for additional communities to be selected by the California Air Resources Board (CARB) for additional clean air resources and public engagement under AB 617 for the state's second-year implementation.

During the public hearing on September 19, 2019, the District Governing Board approved staff recommendations that CARB consider the community of Southwest Stockton for both community air monitoring and emission reduction programs under AB 617. This recommendation also includes that, to the extent that additional state resources are available, CARB also consider the community Arvin/Lamont for selection for AB 617 implementation. Given the extensive requirements established under this new state program and significant ongoing work to implement community monitoring and community emission reduction programs in Year 1 communities, implementation of AB 617 requirements by the District in any additional communities selected by CARB is contingent upon the allocation of additional state implementation and incentive funding resources.

Please find included the District's September 19, 2019, Governing Board memo "*District Community Recommendation for CARB under Second-Year Implementation of AB 617*" for details regarding community characteristics, data sources, prioritization methodology, and public outreach approach.

**Samir Sheikh**

Executive Director/Air Pollution Control Officer

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**Northern Region**

4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

**Central Region (Main Office)**

1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-6000 FAX: (559) 230-6061

**Southern Region**

34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: (661) 392-5500 FAX: (661) 392-5585

Mr. Richard Corey  
September 30, 2019

If you have any questions regarding this recommendation, please contact Jessica Olsen of my staff at [jessica.olsen@valleyair.org](mailto:jessica.olsen@valleyair.org) or at (559) 230-5988. The District thanks you and your staff for your assistance and collaboration.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jonathan Klassen', written in a cursive style.

Jonathan Klassen  
Director of Air Quality Science and Planning

Attachment

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Supervisor, Fresno County

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**Chris Vierra**  
Mayor, City of Ceres

**Tom Wheeler**  
Supervisor, Madera County

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**Samir Sheikh**  
Executive Director  
Air Pollution Control Officer

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DATE: September 19, 2019

TO: SJVUAPCD Governing Board

FROM: Samir Sheikh, Executive Director/APCO  
Project Coordinator: Jonathan Klassen



RE: **ITEM NUMBER 10: DISTRICT COMMUNITY  
RECOMMENDATION FOR CARB UNDER  
SECOND-YEAR IMPLEMENTATION OF AB 617**

**RECOMMENDATION:**

Review and approve methodology and recommendation that CARB consider Southwest Stockton for additional clean air resources and public engagement under AB 617 for the state's second year implementation. This proposal also includes a recommendation that, to the extent that additional state resources are available, CARB also consider Arvin/Lamont for selection.

**BACKGROUND:**

The air quality challenges that the communities in the San Joaquin Valley face are unmatched by any other region in the nation. Despite years of major regional air quality improvements, concern has been expressed by the California legislature about potential localized impacts of air pollution in disadvantaged communities throughout the state. In answer to that concern, Assembly Bill (AB) 617, signed into law in July 2017 as part of a legislative package that extended the state's Cap and Trade GHG program, initiated a statewide effort to monitor and reduce air pollution and improve public health in communities that experience disproportionate burdens from exposure to air pollutants through new community-focused actions. For communities selected by the California Air Resource Board (CARB) for AB 617 implementation, resources are provided to implement community-specific air quality monitoring networks, develop and implement emission reduction programs, improve community access to air quality and emissions information, and invest substantial funding in the community through voluntary incentive funding measures.

For decades, the District has been engaged in developing and implementing comprehensive air quality improvement strategies to reduce air pollution in the San Joaquin Valley. These efforts have achieved significant reductions in air pollution and have improved public health in communities across the San Joaquin Valley. While significant progress has been made, the District continues with its efforts to further reduce air pollution and meet the latest ambient air quality standards for PM2.5 and ozone. The District believes that community-specific measures to reduce air pollution under AB 617 can also help the San Joaquin Valley in its efforts to reduce air pollution regionally and attain health-based federal standards.

In October 2018, CARB selected South Central Fresno and Shafter as first-year communities for the implementation of AB 617 in the San Joaquin Valley. Since then, the District has worked closely with the Community Steering Committees, CARB, and other agencies to develop and launch monitoring and emissions reduction programs in both communities, with final Community Emissions Reduction Programs due to CARB by October 1, 2019.

Under state law, CARB is required to select additional communities for action under the second round of funding for AB 617 by January 1, 2020. CARB has indicated that the state will choose up to a maximum of three additional communities for this second year of community identification and prioritization in order to maximize limited financial and staff resources, with no more than one community anticipated for selection in the Valley. CARB has asked air districts to submit their recommendations for communities by September 2019 to ensure a robust public process ahead of their final community selection in December 2019.

In developing the year-two Valley community recommendations for additional clean air resources under AB 617, the District conducted an extensive public engagement process to seek input from Valley residents, businesses, agencies, and other stakeholders through multiple public workshops. This document provides a summary of the District's identification and prioritization analysis and a detailed description of community recommendations for second-year action under AB 617. Based on the District's analysis, staff proposes for your Board's consideration that Southwest Stockton be recommended for CARB selection for both community air monitoring and emissions reduction programs under AB 617.

## **DISCUSSION:**

### ***Public Process for Community Identification and Prioritization***

In an effort to facilitate a robust public process, the District has been engaging with the public during the community identification process in a number of ways. On July 30, 2019, the District held a community selection scoping meeting, where staff presented information on all of the program components of AB 617, including the community identification process and potential prioritization methodologies. At this workshop, the

public provided their perspectives and ideas on which communities should be selected for year two, and what should be considered when selecting a community.

During this meeting, the District heard a number of comments advocating for the prioritization of disadvantaged communities in the Northern Region counties in the District (San Joaquin, Stanislaus, and Merced), including a specific nomination for the communities adjacent to the Port of Stockton, given that the first round of AB 617 funding was awarded to communities in the District's Central and Southern Regions. The District was also asked to consider a number of other communities, including areas on the west side of the Valley, the City of Madera, and communities near Visalia and Goshen as a part of the identification and nomination process.

On August 29, 2019, the District held a second public workshop on the topic of community identification for AB 617. At this workshop, the public provided additional feedback and recommendations on community identification, prioritization, and selection methodologies. The District discussed a proposed identification methodology, which included focusing this round of prioritization on the Northern Region, leading the District to consider nominating Southwest Stockton as a year two community. During this meeting, there was also substantial support from the public and advocacy groups for the consideration of the Arvin/Lamont area in Kern County for recommendation to CARB for the second year of AB 617 implementation. Overall, the public also recommended that resources be focused on the most burdened communities in the Valley.

The District has also engaged Valley stakeholders through a number of other meetings and venues, including the Citizens Advisory Committee and the Environmental Justice Advisory Group. Additionally, the District also solicited feedback on community identification and prioritization through the AB 617 community webpage at: <http://community.valleyair.org/community-identification>. Through this mechanism, the District received multiple recommendations to consider in the formation of its formal recommendations to CARB (Attachment C). All written nominations received as of the date of this memo were for consideration of the Arvin/Lamont and Stockton communities for the second year of implementation under AB 617.

### ***District's Community Identification and Prioritization Methodology for Second Year Implementation of AB 617***

Through ongoing discussion with Valley residents, advocates, stakeholders, and CARB, the District has received significant interest in focusing the District's prioritization and selection process on a community located in one of the three Northern Region counties in the District (San Joaquin, Stanislaus, and Merced). The District agrees that there have been significant, effective resources already at work under the first year selection process for communities in the central and southern regions. Therefore, the District focused this round of community prioritization on the disadvantaged communities within the Northern Region. Notwithstanding, the District welcomed and received all community suggestions and nominations for prioritization of communities throughout all regions of the Valley under AB 617.

In identifying the potential list of communities to be addressed under second-year implementation of AB 617, the District looked initially at the most impacted communities in the Northern Region of the District, based on the State's CalEnviroScreen tool (CES 3.0) using the following two criteria:

**1. Most impacted communities within the Northern Region in the District as determined by CalEnviroScreen, with overall CES score in top 5% statewide:**

The District believes that the true burden on a community must include cumulative burden from multiple factors including socioeconomic conditions and health impacts from other causes including air pollution. The state has developed and utilizes CalEnviroScreen as the primary tool for identifying disadvantaged communities in California. The ranking methodology in CalEnviroScreen is based on the overall cumulative burdens derived from the following socioeconomic and health risk factors:

- **Ozone:** Mean of summer months (May-October) of the daily maximum 8-hour ozone concentration (ppm), averaged over three years (2012 to 2014).
- **PM2.5:** Annual mean concentration of PM2.5 (average of quarterly means,  $\mu\text{g}/\text{m}^3$ ), over three years (2012 to 2014).
- **Diesel particulate matter:** Spatial distribution of gridded diesel PM emissions from on-road and non-road sources for a 2012 summer day in July (kg/day).
- **Drinking water contaminants:** Drinking water contaminant index for selected contaminants.
- **Pesticide use:** Total pounds of selected active pesticide ingredients (filtered for hazard and volatility) used in production-agriculture per square mile, averaged over three years (2012 to 2014).
- **Toxic releases from facilities:** Toxicity-weighted concentrations of modeled chemical releases to air from facility emissions and off-site incineration (averaged over 2011 to 2013).
- **Traffic density:** Sum of traffic volumes adjusted by road segment length (vehicle-kilometers per hour) divided by total road length (kilometers) within 150 meters of the census tract boundary (2013).
- **Cleanup sites:** Sum of weighted sites within each census tract, i.e., scored on a weighted scale of 0 to 12 in consideration of both the site type and status.
- **Groundwater threats:** Sum of weighted scores for sites within each census tract.
- **Hazardous waste generators and facilities:** Sum of weighted permitted hazardous waste facilities and hazardous waste generators within each census tract (hazardous waste data is from 2012 to 2014).
- **Impaired water bodies:** Summed number of pollutants across all water bodies designated as impaired within the area (2012).
- **Solid waste sites and facilities:** Sum of weighted solid waste sites and facilities (as of December 2016).

- **Asthma:** Spatially modeled, age-adjusted rate of emergency department (ED) visits for asthma per 10,000 (averaged over 2011 to 2013).
- **Cardiovascular disease:** Spatially modeled, age-adjusted rate of emergency department (ED) visits for AMI per 10,000 (averaged over 2011 to 2013).
- **Low birth weight infants:** Percent low birth weight (averaged over 2006 to 2012).
- **Educational attainment:** Percent of the population over age 25 with less than a high school education (5-year estimate, 2011 to 2015).
- **Housing burdened low income households:** Percent of households in a census tract that are both low income (making less than 80% of the HUD Area Median Family Income) and severely burdened by housing costs (paying greater than 50% of their income to housing costs). (5-year estimates, 2009 to 2013).
- **Linguistic isolation:** Percent limited English-speaking households (2011 to 2015).
- **Poverty:** Percent of the population living below two times the federal poverty level (5-year estimate, 2011 to 2015).
- **Unemployment:** Percent of the population over the age of 16 that is unemployed and eligible for the labor force. Excludes retirees, students, homemakers, institutionalized persons except prisoners, those not looking for work, and military personnel on active duty (5-year estimate, 2011 to 2015).

2. **Communities with high CalEnviroScreen Score for PM2.5, diesel PM, and pollution burden characteristics:** In order to ensure the District was targeting communities that were particularly impacted by harmful air pollutants, the District focused on pollution burden, PM2.5, and diesel particulate emissions scores for the census tracts identified in Step 1. PM2.5, and diesel particulate emissions in particular, are more indicative of air pollution burdens than the overall CES score.

Using the above criteria, for the purpose of presenting preliminary prioritization of communities, the District initially identified the top 25 census tracts in the District's Northern Region of the Valley. The District then agglomerated these census tracts and surrounding localities into five identifiable communities in the Northern Region (listed north to south):

- **Southwest Stockton**
- **Lathrop**
- **Riverbank**
- **Southwest Modesto**
- **Northwest Merced**

To ensure that community prioritization was conducted in a manner that focused on air pollution exposure and socioeconomic vulnerability in accordance with CARB's *Community Air Protection Blueprint*, the District looked at a number of factors to prioritize the identified communities for action under AB 617. Although exposure to high

levels of all air pollutants has an impact to public health, numerous studies have indicated that prolonged exposure to high concentrations of PM2.5 can have an even greater impact on health, including decreased lung function, hypertension, heart disease, cancer, and heart failure. Due to this, the *Blueprint* prioritizes PM2.5 and diesel PM and other air toxics. The following factors and associated weights were used to prioritize the 5 identified communities:

- Overall CES 3.0 Score (weight: 20%)
- Overall Pollution Burden Score (weight: 20%)
- PM2.5 Score (weight: 30%)
- Diesel PM Score (weight: 30%)

Utilizing the above methodology, identified communities were evaluated to provide a prioritized list for the entire San Joaquin Valley, as shown in Tables 1 and 2 below.

**Table 1 Summary of Statewide Percentile Rank for Indicators among Census Tracts in District’s Identified Northern Region Communities**

CalEnviroScreen 3.0 Percentile Score							
Rank	Identified Communities	Overall CES Score	PM 2.5 Score	Diesel PM Score	Pollution Burden Score	Community Population	Area (Mile <sup>2</sup> )
1	SW Stockton	100*	94	74	100	50,938	12.2
2	SW Modesto	100*	93	77	99	42,975	12.7
3	NW Merced	98	93	70	93	2,406	1.1
4	Lathrop	99	82	41	100	6,006	14.4
5	Riverbank	97	93	47	99	5,003	1.0

\*Highest census tract score

**Table 2 Summary of CES Scores and Community Characteristics among Census Tracts in District’s Identified Northern Region Communities**

CalEnviroScreen 3.0 Raw Score						
Rank	Identified Communities	Overall CES Score	PM 2.5 Score	Diesel PM Score	Pollution Burden Score	Weighted Total Score
Weight		20%	30%	30%	20%	100%
1	SW Stockton	82.49*	13.61	24.12	74.48	427.1
2	SW Modesto	78.52*	12.89	25.26	71.92	415.3
3	NW Merced	63.40	12.89	22.83	60.88	355.7
4	Lathrop	71.30	12.05	13.47	80.10	379.4
5	Riverbank	62.64	12.89	15.31	70.56	351.0

\*Highest census tract score



Based on the results of the District's analysis, the District recommends that Southwest Stockton be selected by CARB for second-year resources for the development of community air monitoring and emissions reduction programs. In addition to its high prioritization under the above methodology, residents and community groups in Stockton have been highly active in advocating for additional resources and attention to address community concerns. This effort was successful in bringing a recent California Environmental Protection Agency environmental justice initiative in Stockton and a state funding award under the Transformative Climate Communities program. If selected by CARB, this increased community capacity can be leveraged to develop and implement AB 617 strategies in Stockton.

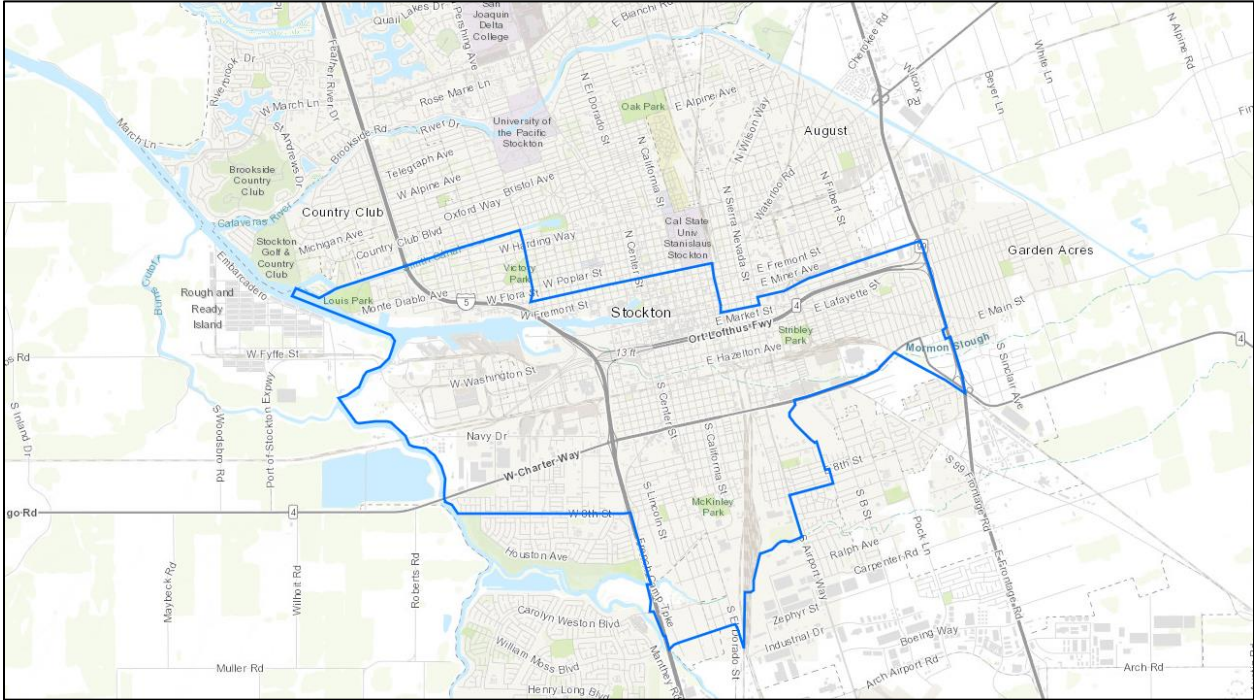
### ***Description of Southwest Stockton Community***

Stockton is the largest metropolitan area in the Northern Region of the District, with a current estimated population over 310,000. A number of heavily trafficked freeways pass through the City of Stockton, including interstate 5 and highways 99 and 4, contributing a significant amount of PM<sub>2.5</sub> emissions in the community. Specifically, Southwest Stockton (Figure 1) is a densely populated community within the City of Stockton directly impacted by large freeways, the Port of Stockton, freight locomotives, industrial sources, and emissions traveling downwind from the northern portion of the city.

The proposed community of Southwest Stockton defined in Figure 1 is approximately 12.2 square miles and has an estimated population of 51,000. The Southwest Stockton community is impacted across a number of health and pollution indicators. Using the State CES tool, all census tracts located within the Southwest Stockton proposed community rank in the top 5% most disadvantaged communities in California, and rank highest in the Valley amongst census tracts not already a part of an AB 617 community. Southwest Stockton also contains the highest ranked census tract in the District's Northern Region (San Joaquin, Stanislaus, and Merced Counties) for overall CES score, 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 also ranked highest in PM<sub>2.5</sub> impacts, and second highest in diesel PM exposure, compared to all other disadvantaged communities in the northern District counties. Specifically, the average overall CES score, PM<sub>2.5</sub> exposure, and pollution burden values are all above the 90th percentile. Additionally, most of the community is within the "Rise Stockton" Transformative Climate Community boundary, which allows the District and community to leverage resources to maximize benefits under AB 617.

**Figure 1 Community of Southwest Stockton**



***Recommendations for the Communities of Arvin and Lamont***

The District has received significant interest in prioritizing and nominating the Arvin/Lamont area in southern Kern County as an additional community for CARB consideration. A number of residents, community organizers, the City of Arvin, and the County of Kern submitted written nominations and provided verbal support for these communities during District workshops and meetings. The Valley portion of Kern County, including the Arvin and Lamont communities, has long been recognized as one of the most air quality impacted areas of the Valley. As described above, while the District’s identification and prioritization methodology is focused on prioritizing Northern Region communities and Arvin/Lamont do not rank amongst the highest total scores in the Valley under CalEnviroScreen, the District recognizes the value in strong community interest and capacity in successfully implementing community-driven efforts under AB 617.

Based on limited AB 617 resources and need for continued focus in already selected communities, CARB has indicated that they will only be selecting up to three additional communities statewide, of which the District anticipates receiving no more than one additional community for AB 617 implementation. Should more funding become available that would allow CARB’s selection of more communities without diluting the necessary resources for implementation of AB 617 programs in the existing communities, the District recommends strong consideration for Arvin/Lamont as our second community in addition to Southwest Stockton.

SJVUAPCD Governing Board

ITEM NUMBER 10: DISTRICT COMMUNITY RECOMMENDATION FOR CARB UNDER SECOND-YEAR IMPLEMENTATION OF AB 617

September 19, 2019

*Attachments:*

*Attachment A: Community Identification and Prioritization Methodology Document (8 pages)*

*Attachment B: Ranked Northern Valley CalEnviroScreen 3.0 Scores (13 pages)*

*Attachment C: Community Recommendation Submittals (45 pages)*

San Joaquin Valley Unified Air Pollution Control District  
Meeting of the Governing Board  
September 19, 2019

**DISTRICT COMMUNITY RECOMMENDATION FOR CARB UNDER SECOND-  
YEAR IMPLEMENTATION OF AB 617**

Attachment A:

**COMMUNITY IDENTIFICATION AND PRIORITIZATION METHODOLOGY  
DOCUMENT  
(8 PAGES)**

## Year 2 Community Prioritization Process

Through ongoing discussion with Valley residents, advocates, stakeholders, and CARB, the District has received significant interest in focusing the District's prioritization and selection process on a community located in one of the three northern region counties in the District (San Joaquin, Stanislaus, and Merced). The District agrees that there have been significant, effective resources already at work under the first year selection process for communities in the southern and central regions. Therefore, the District focused this round of community prioritization on the disadvantaged communities within northern region. Notwithstanding, the District welcomes all community suggestions and nominations for prioritization of communities throughout all regions of the Valley under AB 617.

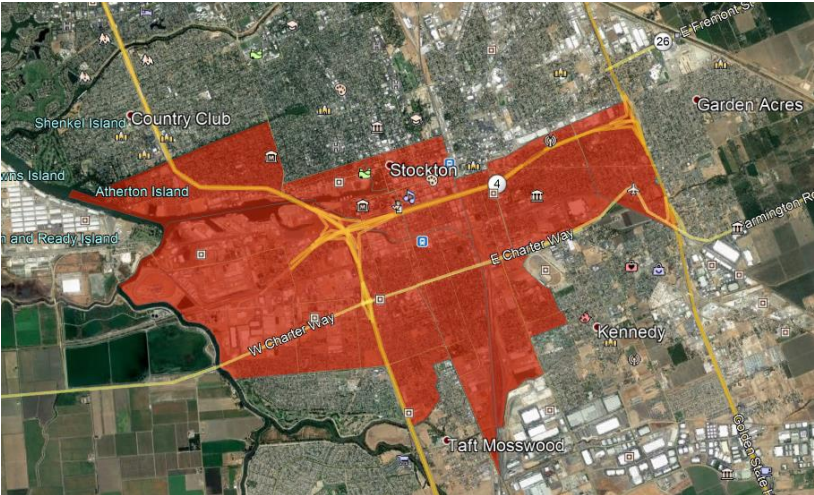
In identifying the potential list of communities to be addressed under second-year implementation of AB 617, the District looked initially at the topmost communities in the northern region of the District, based on the State's CalEnviroScreen tool (CES 3.0) using the following two criteria:

1. ***Most impacted communities within the Northern three counties in the District as determined by CalEnviroScreen, with overall CES score in top 5% statewide:*** The District believes that the true burden on a community must include cumulative burden from multiple factors including socioeconomic conditions and health impacts from other causes including air pollution. The state has developed and utilizes CalEnviroScreen as the primary tool for identifying disadvantaged communities in California. The ranking methodology in CalEnviroScreen is based on the overall cumulative burdens derived from the following socioeconomic and health risk factors:
  - **Ozone:** Mean of summer months (May-October) of the daily maximum 8-hour ozone concentration (ppm), averaged over three years (2012 to 2014).
  - **PM2.5:** Annual mean concentration of PM2.5 (average of quarterly means,  $\mu\text{g}/\text{m}^3$ ), over three years (2012 to 2014).
  - **Diesel particulate matter:** Spatial distribution of gridded diesel PM emissions from on-road and non-road sources for a 2012 summer day in July (kg/day).
  - **Drinking water contaminants:** Drinking water contaminant index for selected contaminants.
  - **Pesticide use:** Total pounds of selected active pesticide ingredients (filtered for hazard and volatility) used in production-agriculture per square mile, averaged over three years (2012 to 2014).
  - **Toxic releases from facilities:** Toxicity-weighted concentrations of modeled chemical releases to air from facility emissions and off-site incineration (averaged over 2011 to 2013).
  - **Traffic density:** Sum of traffic volumes adjusted by road segment length (vehicle-kilometers per hour) divided by total road length (kilometers) within 150 meters of the census tract boundary (2013).

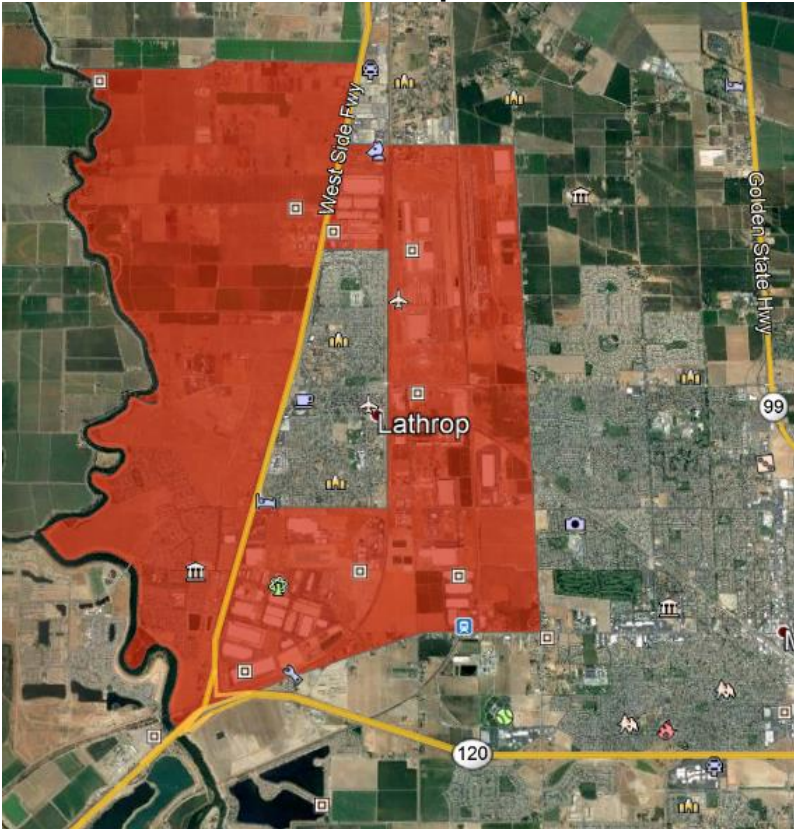
- **Cleanup sites:** Sum of weighted sites within each census tract, i.e., scored on a weighted scale of 0 to 12 in consideration of both the site type and status.
  - **Groundwater threats:** Sum of weighted scores for sites within each census tract.
  - **Hazardous waste generators and facilities:** Sum of weighted permitted hazardous waste facilities and hazardous waste generators within each census tract (hazardous waste data is from 2012 to 2014).
  - **Impaired water bodies:** Summed number of pollutants across all water bodies designated as impaired within the area (2012).
  - **Solid waste sites and facilities:** Sum of weighted solid waste sites and facilities (as of December 2016).
  - **Asthma:** Spatially modeled, age-adjusted rate of emergency department (ED) visits for asthma per 10,000 (averaged over 2011 to 2013).
  - **Cardiovascular disease:** Spatially modeled, age-adjusted rate of emergency department (ED) visits for AMI per 10,000 (averaged over 2011 to 2013).
  - **Low birth weight infants:** Percent low birth weight (averaged over 2006 to 2012).
  - **Educational attainment:** Percent of the population over age 25 with less than a high school education (5-year estimate, 2011 to 2015).
  - **Housing burdened low income households:** Percent of households in a census tract that are both low income (making less than 80% of the HUD Area Median Family Income) and severely burdened by housing costs (paying greater than 50% of their income to housing costs). (5-year estimates, 2009 to 2013).
  - **Linguistic isolation:** Percent limited English-speaking households (2011 to 2015).
  - **Poverty:** Percent of the population living below two times the federal poverty level (5-year estimate, 2011 to 2015).
  - **Unemployment:** Percent of the population over the age of 16 that is unemployed and eligible for the labor force. Excludes retirees, students, homemakers, institutionalized persons except prisoners, those not looking for work, and military personnel on active duty (5-year estimate, 2011 to 2015).
2. ***Communities with high CalEnviroScreen Score for PM2.5, diesel PM, and pollution burden characteristics:*** In order to ensure the District was targeting communities that were particularly impacted by harmful air pollutants, the District focused on pollution burden, PM2.5, and diesel particulate emissions scores for the census tracts identified in step 1. PM2.5, and diesel particulate emissions in particular, are more indicative of air pollution burdens than overall CES score.

Using the above criteria, for the purpose of presenting preliminary prioritization of communities, the District initially identified the top 25 census tracts in the District's northern region of the Valley. The District then agglomerated these census tracts and surrounding localities into 5 identifiable communities throughout the northern Valley (listed north to south):

**Southwest Stockton**



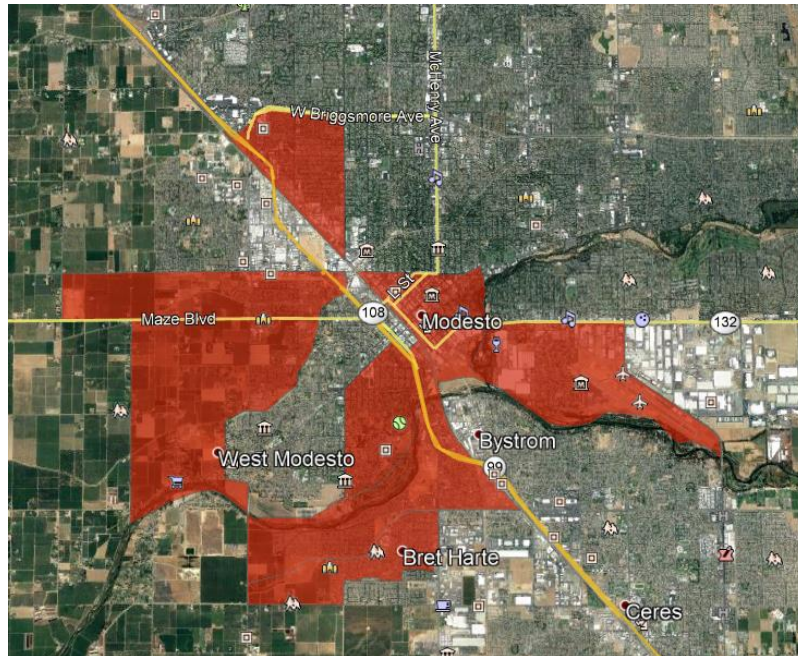
**Lathrop**



## Riverbank



## Southwest Modesto





## Northwest Merced



### Prioritizing Communities for Action under AB 617

To ensure that community prioritization was conducted in a manner that focused on air pollution exposure and socioeconomic vulnerability in accordance with CARB's *Community Air Protection Blueprint*, the District looked at a number of factors to prioritize the identified communities for action under AB 617. Although exposure to high levels of all air pollutants has an impact to public health, numerous studies have indicated that prolonged exposure to high concentrations of PM<sub>2.5</sub> can have an even greater impact on health, including decreased lung function, hypertension, heart disease, cancer, and heart failure. Due to this, the *Blueprint* prioritizes PM<sub>2.5</sub> and diesel PM and other air toxics. The following factors and associated weights were used to prioritize the 5 identified communities:

- **Overall CES 3.0 Score (weight: 20%)**
- **Overall Pollution Burden Score (weight: 20%)**
- **PM<sub>2.5</sub> Score (weight: 30%)**
- **Diesel PM Score (weight: 30%)**

## **Recommended Prioritization of Valley Communities for Year 2 of AB 617**

Utilizing the above methodology, identified communities were evaluated to provide a prioritized list for the entire San Joaquin Valley. Based on the results of the District's analysis in Table 1 and Table 2 below, the District is considering recommending southwest Stockton be selected by CARB for second-year resources for the development of community air monitoring and emissions reduction programs.

**Table 1 Summary of Statewide Percentile Rank for Indicators among Census Tracts in District's Identified Northern Region Communities**

<b>CalEnviroScreen 3.0 Percentile Score</b>							
Rank	Identified Communities	Overall CES Score	PM 2.5 Score	Diesel PM Score	Pollution Burden Score	Community Population	Area (Mile <sup>2</sup> )
1	SW Stockton	100*	94	74	100	50,938	12.2
2	SW Modesto	100*	93	77	99	42,975	12.7
3	NW Merced	98	93	70	93	2,406	1.1
4	Lathrop	99	82	41	100	6,006	14.4
5	Riverbank	97	93	47	99	5,003	1.0

\*Highest census tract score

**Table 2 Summary of CES Scores and Community Characteristics among Census Tracts in District's Identified Northern Region Communities**

<b>CalEnviroScreen 3.0 Raw Score</b>						
Rank	Identified Communities	Overall CES Score	PM 2.5 Score	Diesel PM Score	Pollution Burden Score	Weighted Total Score
Weight		20%	30%	30%	20%	100%
1	SW Stockton	82.49*	13.61	24.12	74.48	427.1
2	SW Modesto	78.52*	12.89	25.26	71.92	415.3
3	NW Merced	63.40	12.89	22.83	60.88	355.7
4	Lathrop	71.30	12.05	13.47	80.10	379.4
5	Riverbank	62.64	12.89	15.31	70.56	351.0

\*Highest census tract score

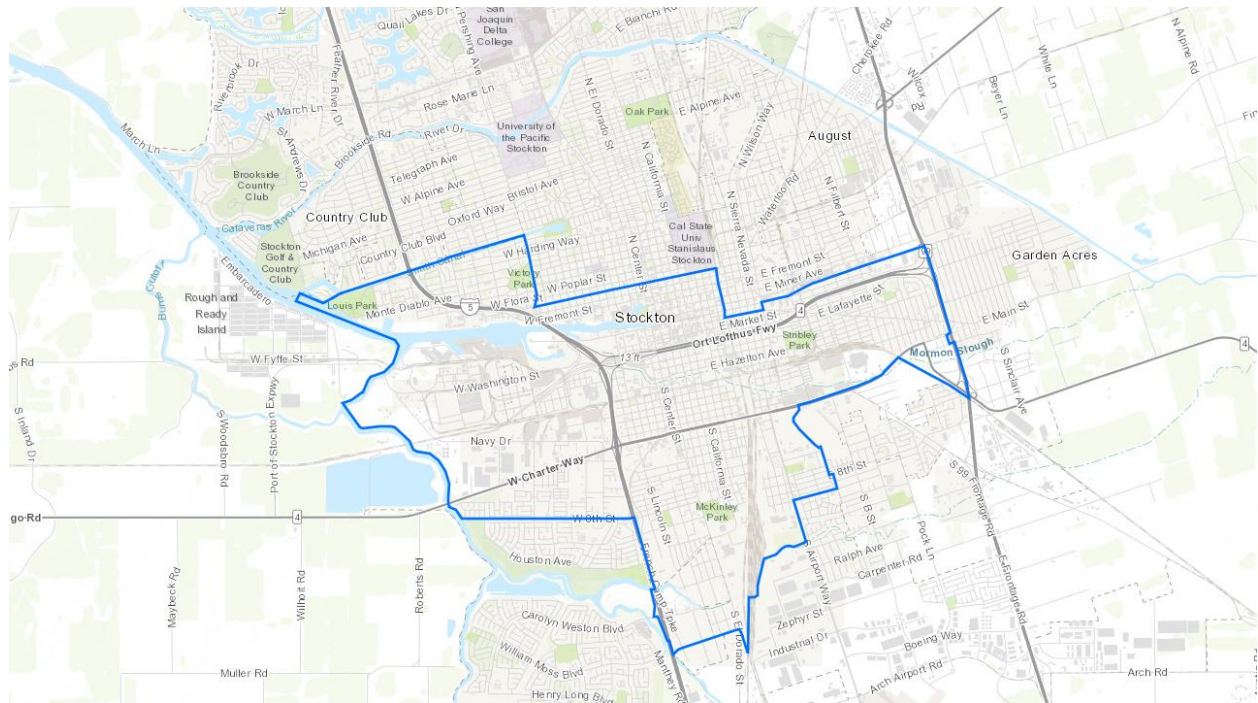
### **Southwest Stockton**

Stockton is the largest metropolitan area in the northern region of the District, with a current estimated population over 310,000. A number of heavily trafficked freeways

pass through the City of Stockton, including interstate 5 and highways 99 and 4, contributing a significant amount of PM2.5 emissions in the community. Specifically, Southwest Stockton (Figure 1) is a densely populated community within the City of Stockton directly impacted by large freeways, the Port of Stockton, freight locomotives, industrial sources, and emissions traveling downwind from the northern portion of the city.

The proposed community of Southwest Stockton defined in Figure 1 is approximately 12.2 square miles and has an estimated population of 51,000. Using the state CalEnviroScreen 3.0 (CES) tool, the entire Southwest Stockton proposed community ranks in the top 5% most disadvantaged communities in California and contains the highest ranked census tract in the District’s northern region (San Joaquin, Stanislaus, and Merced Counties) for overall CES score. This community also ranked highest in PM2.5 impacts, and second highest on diesel PM exposure, compared to all other disadvantaged communities in the northern District counties. Additionally, most of the community is within the “Rise Stockton” Transformative Climate Community (TCC) boundary, which allows the District and community to leverage resources to maximize benefits under AB617.

**Figure 1 Community of Southwest Stockton**



The Southwest Stockton community is impacted across a number of health and pollution indicators. The following table summarizes the percentile scores (based on statewide comparison in CES) among the census tracts located in the most impacted communities in the District’s northern three counties of San Joaquin, Stanislaus, and Merced. As this summary indicates, the Southwest Stockton community includes the highest percentiles among its census tracts for overall burden (pollution, poverty, and

population indicators), PM2.5 concentrations, and pollution burden, and the second highest among these communities for diesel PM, with many averages exceeding the 90th percentile for the state. Specifically, the average overall CES score, PM2.5 exposure, and pollution burden values are all above the 90th percentile. It should be noted that this community includes the census tract with the highest overall CES score (100<sup>th</sup> percentile statewide) in the District's northern region, 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).

San Joaquin Valley Unified Air Pollution Control District  
Meeting of the Governing Board  
September 19, 2019

**DISTRICT COMMUNITY RECOMMENDATION FOR CARB UNDER SECOND-  
YEAR IMPLEMENTATION OF AB 617**

Attachment B:

**RANKED NORTHERN VALLEY CALENVIROSCREEN 3.0 SCORES**  
(13 PAGES)

The table below depicts the ranking of census tracts in the Northern Region (San Joaquin, Stanislaus, Merced) by overall CES score. Yellow highlighted tracts represent the District-nominated Stockton community.

**Table 1 Ranking of Northern Valley (San Joaquin, Stanislaus, Merced) Census Tracts by Overall CalEnviroScreen 3.0 Score**

Rank in Northern Region (by CES Overall Score)	Rank in District (by CES Overall Score)	Census Tract	ZIP	Nearby City	County	CES Overall Score	CES Overall Percentile Rank (Statewide)	PM2.5 Score	PM2.5 Percentile Rank (Statewide)	Diesel PM Score	Diesel PM Percentile Rank (Statewide)	Pollution Burden Score	Pollution Burden Percentile Rank (Statewide)
1	3	6077000801	95203	Stockton	San Joaquin	82.49	99.96	12.54	84.02	24.117	73.52	74.48	99.59
2	5	6077000300	95203	Stockton	San Joaquin	80.18	99.92	13.44	94.00	21.760	66.48	68.27	98.07
3	8	6099002100	95354	Modesto	Stanislaus	78.52	99.87	12.89	92.89	24.585	74.88	71.92	99.15
4	16	6077000700	95206	Stockton	San Joaquin	76.02	99.72	13.5	94.01	22.055	67.12	70.73	98.84
5	18	6077000100	95202	Stockton	San Joaquin	75.54	99.70	13.53	94.09	19.735	60.86	65.16	96.30
6	19	6099002302	95351	Modesto	Stanislaus	75.19	99.68	12.89	92.89	22.835	69.57	66.29	97.00
7	22	6099002301	95351	Modesto	Stanislaus	72.39	99.55	12.89	92.89	17.546	53.38	65.71	96.68
8	24	6077001900	95205	Stockton	San Joaquin	71.89	99.52	13.61	94.20	20.703	63.76	66.76	97.26
9	26	6077005119	95330	Lathrop	San Joaquin	71.30	99.46	12.05	81.66	13.467	40.76	80.10	99.98
10	30	6077002201	95206	Stockton	San Joaquin	70.16	99.28	12.85	84.18	21.699	66.04	59.19	90.40
11	36	6099002200	95351	Modesto	Stanislaus	68.22	98.98	12.89	92.89	23.585	72.35	59.04	90.14
12	37	6077002300	95206	Stockton	San Joaquin	67.75	98.93	13.09	92.95	21.680	65.99	57.91	88.38
13	38	6077002401	95206	Stockton	San Joaquin	67.08	98.78	12.98	92.91	21.755	66.46	58.66	89.66
14	39	6099001500	95358	Modesto	Stanislaus	66.48	98.65	12.89	92.89	15.428	46.97	69.34	98.44
15	40	6077000900	95203	Stockton	San Joaquin	66.46	98.63	13.44	94.00	20.032	61.67	63.53	95.00
16	41	6099001400	95350	Modesto	Stanislaus	66.39	98.59	12.89	92.89	22.000	67.07	62.12	93.90
17	42	6099002402	95358	Modesto	Stanislaus	66.28	98.57	12.89	92.89	19.350	59.74	58.44	89.23
18	46	6077000600	95205	Stockton	San Joaquin	65.82	98.42	13.61	94.20	21.680	65.99	56.08	85.36
19	50	6077001500	95205	Stockton	San Joaquin	64.46	98.07	13.53	94.09	17.312	52.74	60.33	92.07

Rank in Northern Region (by CES Overall Score)	Rank in District (by CES Overall Score)	Census Tract	ZIP	Nearby City	County	CES Overall Score	CES Overall Percentile Rank (Statewide)	PM2.5 Score	PM2.5 Percentile Rank (Statewide)	Diesel PM Score	Diesel PM Percentile Rank (Statewide)	Pollution Burden Score	Pollution Burden Percentile Rank (Statewide)
20	53	6099001800	95354	Modesto	Stanislaus	64.21	97.97	12.89	92.89	25.260	76.89	70.11	98.66
21	56	6077002000	95205	Stockton	San Joaquin	63.53	97.72	13.61	94.20	16.746	50.94	59.68	91.11
22	57	6047001005	95348	Merced	Merced	63.40	97.64	12.89	92.89	22.831	69.56	60.88	92.64
23	58	6099003700	95380	Turlock	Stanislaus	63.36	97.63	12.89	92.89	11.440	32.87	68.81	98.28
24	59	6077002402	95206	Stockton	San Joaquin	63.36	97.62	12.05	81.66	23.068	70.12	58.79	89.84
25	61	6099000304	95367	Riverbank	Stanislaus	62.64	97.41	12.89	92.89	15.310	46.68	70.56	98.79
26	62	6077003802	95206	Stockton	San Joaquin	62.45	97.38	11.63	69.14	11.653	33.62	65.03	96.17
27	63	6099002501	95358	Modesto	Stanislaus	62.39	97.35	12.89	92.89	17.300	52.66	68.44	98.13
28	64	6077003900	95206	Stockton	San Joaquin	62.38	97.34	11.21	66.23	4.905	13.59	65.11	96.22
29	67	6099001700	95351	Modesto	Stanislaus	61.93	97.05	12.89	92.89	25.260	76.89	61.09	92.93
30	68	6099001601	95351	Modesto	Stanislaus	61.91	97.04	12.89	92.89	16.499	50.14	52.80	79.19
31	69	6077002701	95215	Stockton	San Joaquin	61.84	96.97	13.61	94.20	13.403	40.49	67.23	97.56
32	71	6099003802	95380	Turlock	Stanislaus	61.27	96.78	12.89	92.89	15.512	47.16	57.29	87.38
33	72	6099000803	95350	Modesto	Stanislaus	60.92	96.67	12.89	92.89	23.740	72.71	58.39	89.12
34	80	6077003700	95215	Stockton	San Joaquin	59.22	96.10	13.25	93.01	10.010	28.75	65.46	96.48
35	82	6047002201	93635	Los Banos	Merced	58.98	95.98	12.89	92.89	11.369	32.69	51.39	75.88
36	84	6099002004	95354	Modesto	Stanislaus	58.28	95.60	12.89	92.89	14.060	42.83	65.06	96.18
37	85	6077005131	95336	Manteca	San Joaquin	58.10	95.43	12.89	92.89	9.267	26.60	69.20	98.41
38	86	6099003804	95380	Turlock	Stanislaus	58.09	95.42	12.89	92.89	15.862	48.21	60.34	92.12
39	88	6099002005	95354	Modesto	Stanislaus	57.93	95.28	12.89	92.89	14.060	42.83	57.19	87.16
40	91	6099002604	95307	Ceres	Stanislaus	57.76	95.17	12.89	92.89	20.128	62.09	57.71	88.08
41	96	6099002401	95358	Modesto	Stanislaus	57.52	94.96	12.89	92.89	22.670	68.91	62.03	93.73
42	97	6099003100	95358	Modesto	Stanislaus	57.36	94.82	12.89	92.89	6.861	18.67	65.78	96.73
43	98	6047001301	95340	Merced	Merced	57.20	94.74	12.89	92.89	23.857	72.89	56.99	86.86

Rank in Northern Region (by CES Overall Score)	Rank in District (by CES Overall Score)	Census Tract	ZIP	Nearby City	County	CES Overall Score	CES Overall Percentile Rank (Statewide)	PM2.5 Score	PM2.5 Percentile Rank (Statewide)	Diesel PM Score	Diesel PM Percentile Rank (Statewide)	Pollution Burden Score	Pollution Burden Percentile Rank (Statewide)
44	100	6099001900	95354	Modesto	Stanislaus	56.72	94.49	12.89	92.89	20.801	64.02	66.90	97.36
45	101	6077001800	95205	Stockton	San Joaquin	56.63	94.44	13.61	94.20	16.123	49.16	56.44	85.90
46	102	6099002002	95357	Modesto	Stanislaus	56.55	94.38	12.89	92.89	8.554	24.27	61.03	92.82
47	105	6077003803	95231	French Camp	San Joaquin	56.15	94.09	12.05	81.66	12.078	35.11	77.04	99.89
48	106	6047001302	95340	Merced	Merced	56.00	93.97	12.89	92.89	24.020	73.40	50.11	72.98
49	107	6077005127	95330	Lathrop	San Joaquin	55.91	93.86	12.05	81.66	20.770	63.87	60.69	92.52
50	110	6077005110	95336	Manteca	San Joaquin	55.77	93.69	12.89	92.89	19.165	59.24	57.23	87.19
51	111	6077005122	95330	Lathrop	San Joaquin	55.71	93.67	12.05	81.66	15.329	46.75	69.20	98.39
52	112	6077001700	95205	Stockton	San Joaquin	55.60	93.58	13.61	94.20	17.206	52.42	52.46	78.38
53	116	6077002100	95205	Stockton	San Joaquin	55.14	93.39	13.25	93.01	18.437	56.70	53.84	81.43
54	117	6047000201	95303	Ballico	Merced	55.14	93.38	12.89	92.89	6.024	16.29	67.07	97.47
55	118	6047002100	93635	Los Banos	Merced	55.12	93.37	11.96	69.20	3.894	11.05	56.35	85.71
56	119	6077005129	95330	Lathrop	San Joaquin	55.01	93.29	12.05	81.66	20.770	63.87	61.91	93.64
57	121	6047000902	95341	Merced	Merced	54.97	93.25	12.89	92.89	15.124	46.20	59.45	90.80
58	122	6077002800	95206	Stockton	San Joaquin	54.81	93.09	12.85	84.18	19.108	59.07	58.35	89.04
59	123	6047001502	95341	Merced	Merced	54.78	93.06	12.89	92.89	23.293	71.31	48.90	69.50
60	125	6047001602	95341	Merced	Merced	54.63	92.95	12.89	92.89	12.162	35.42	49.61	71.57
61	127	6077002503	95206	Stockton	San Joaquin	54.51	92.87	11.63	69.14	23.651	72.41	50.92	74.79
62	130	6099001603	95351	Modesto	Stanislaus	54.31	92.62	12.89	92.89	6.951	18.88	53.06	79.76
63	133	6077002202	95206	Stockton	San Joaquin	53.96	92.42	13.25	93.01	21.624	65.79	46.39	62.36
64	134	6099002702	95351	Modesto	Stanislaus	53.86	92.31	12.89	92.89	20.967	64.48	55.75	84.90
65	135	6099000602	95351	Modesto	Stanislaus	53.45	91.98	12.89	92.89	19.432	59.98	64.66	95.92
66	136	6047002401	93620	Dos Palos	Merced	53.44	91.95	12.89	92.89	4.034	11.34	49.97	72.57
67	137	6099000510	95358	Modesto	Stanislaus	53.43	91.94	12.89	92.89	16.067	48.84	63.83	95.26



Rank in Northern Region (by CES Overall Score)	Rank in District (by CES Overall Score)	Census Tract	ZIP	Nearby City	County	CES Overall Score	CES Overall Percentile Rank (Statewide)	PM2.5 Score	PM2.5 Percentile Rank (Statewide)	Diesel PM Score	Diesel PM Percentile Rank (Statewide)	Pollution Burden Score	Pollution Burden Percentile Rank (Statewide)
68	141	6099003803	95380	Turlock	Stanislaus	52.95	91.49	12.89	92.89	15.433	47.01	51.32	75.74
69	142	6047001601	95341	Merced	Merced	52.79	91.37	12.89	92.89	13.306	40.14	48.04	66.98
70	146	6099000805	95350	Modesto	Stanislaus	52.59	91.22	12.89	92.89	23.412	71.77	53.06	79.78
71	148	6077000402	95202	Stockton	San Joaquin	52.48	91.12	13.53	94.09	17.533	53.25	50.36	73.63
72	150	6047002000	95322	Gustine	Merced	52.13	90.89	13.66	94.21	3.142	9.07	55.65	84.73
73	157	6047000505	95301	Atwater	Merced	51.19	90.02	12.89	92.89	8.485	24.13	54.61	83.01
74	158	6077000500	95205	Stockton	San Joaquin	51.15	89.92	13.53	94.09	17.499	53.19	45.10	58.94
75	159	6099002504	95307	Ceres	Stanislaus	51.10	89.87	12.89	92.89	16.333	49.67	61.79	93.57
76	165	6077005109	95336	Manteca	San Joaquin	50.79	89.61	12.89	92.89	17.960	54.65	52.45	78.33
77	167	6099002503	95307	Ceres	Stanislaus	50.63	89.51	12.89	92.89	19.109	59.09	56.65	86.26
78	168	6099000301	95367	Riverbank	Stanislaus	50.55	89.38	12.89	92.89	11.106	31.85	65.43	96.47
79	169	6047002302	93635	Los Banos	Merced	50.53	89.37	12.89	92.89	6.100	16.47	51.84	76.89
80	172	6047002402	93620	Dos Palos	Merced	50.24	89.07	12.89	92.89	4.010	11.29	45.61	60.24
81	175	6077001600	95205	Stockton	San Joaquin	50.09	88.93	13.61	94.20	17.300	52.67	47.06	64.22
82	176	6077005302	95376	Tracy	San Joaquin	49.99	88.80	10.37	52.61	21.050	64.87	57.73	88.10
83	177	6077003113	95207	Stockton	San Joaquin	49.95	88.79	13.44	94.00	18.460	56.80	51.52	76.25
84	178	6099001604	95351	Modesto	Stanislaus	49.95	88.78	12.89	92.89	7.920	22.15	41.44	48.85
85	181	6099004000	95358	Modesto	Stanislaus	49.82	88.65	12.89	92.89	7.012	18.98	65.31	96.40
86	184	6077002702	95215	Stockton	San Joaquin	49.56	88.45	13.61	94.20	12.624	37.51	52.74	79.02
87	186	6047001003	95348	Merced	Merced	49.56	88.42	12.89	92.89	23.832	72.83	46.88	63.76
88	188	6099000909	95350	Modesto	Stanislaus	49.51	88.36	12.89	92.89	15.170	46.31	54.11	81.98
89	189	6099002602	95307	Ceres	Stanislaus	49.29	88.11	12.89	92.89	19.164	59.23	57.27	87.33
90	190	6077001300	95204	Stockton	San Joaquin	49.26	88.08	13.44	94.00	17.629	53.68	55.12	83.87
91	192	6077004404	95240	Lodi	San Joaquin	49.24	88.04	11.33	66.27	12.098	35.30	51.17	75.41

Rank in Northern Region (by CES Overall Score)	Rank in District (by CES Overall Score)	Census Tract	ZIP	Nearby City	County	CES Overall Score	CES Overall Percentile Rank (Statewide)	PM2.5 Score	PM2.5 Percentile Rank (Statewide)	Diesel PM Score	Diesel PM Percentile Rank (Statewide)	Pollution Burden Score	Pollution Burden Percentile Rank (Statewide)
92	193	6099003603	95380	Turlock	Stanislaus	49.13	87.97	12.89	92.89	11.275	32.47	65.26	96.38
93	194	6047002202	93635	Los Banos	Merced	49.08	87.93	12.89	92.89	6.694	18.25	47.01	64.07
94	203	6047001901	95340	Merced	Merced	48.26	86.98	12.89	92.89	3.525	10.07	46.62	63.06
95	204	6047001700	95341	Merced	Merced	48.25	86.97	12.89	92.89	16.001	48.62	47.52	65.38
96	209	6077003313	95207	Stockton	San Joaquin	47.76	86.51	13.44	94.00	17.137	52.15	42.86	52.69
97	212	6077002504	95206	Stockton	San Joaquin	47.59	86.34	11.63	69.14	24.130	73.83	51.08	75.15
98	217	6077003405	95210	Stockton	San Joaquin	47.44	86.08	13.35	93.65	19.060	58.93	40.56	46.40
99	219	6077004502	95240	Lodi	San Joaquin	47.42	86.01	8.69794 4	30.70	14.383	43.83	47.43	65.21
100	223	6099003300	95363	Patterson	Stanislaus	47.34	85.89	11.21	66.23	3.428	9.84	63.59	95.02
101	225	6099000302	95367	Riverbank	Stanislaus	47.26	85.77	12.89	92.89	11.116	31.87	60.16	91.84
102	228	6077005114	95337	Manteca	San Joaquin	46.95	85.47	12.89	92.89	18.047	54.80	63.41	94.93
103	230	6099003904	95380	Turlock	Stanislaus	46.92	85.43	12.89	92.89	13.158	39.60	54.04	81.85
104	234	6077005126	95336	Manteca	San Joaquin	46.85	85.23	12.89	92.89	19.000	58.72	46.75	63.51
105	236	6047001501	95341	Merced	Merced	46.76	85.16	12.89	92.89	12.705	37.78	50.28	73.43
106	237	6099001100	95350	Modesto	Stanislaus	46.68	85.05	12.89	92.89	19.841	61.14	55.30	84.19
107	239	6077005123	95337	Manteca	San Joaquin	46.54	84.87	12.89	92.89	17.655	53.74	60.29	92.00
108	241	6077005202	95304	Tracy	San Joaquin	46.40	84.71	11.21	66.23	10.826	30.98	73.27	99.42
109	248	6099003201	95363	Patterson	Stanislaus	46.03	84.27	12.89	92.89	8.562	24.33	49.86	72.23
110	254	6077003403	95210	Stockton	San Joaquin	45.76	83.96	12.75	84.16	11.103	31.84	43.46	54.31
111	261	6047000601	95301	Atwater	Merced	45.47	83.57	12.89	92.89	18.267	55.82	49.13	70.12
112	262	6099000303	95367	Riverbank	Stanislaus	45.41	83.49	12.89	92.89	15.310	46.68	61.29	93.11
113	267	6047001002	95348	Merced	Merced	45.22	83.15	12.89	92.89	12.381	36.13	51.63	76.45
114	269	6077003110	95207	Stockton	San Joaquin	45.19	83.10	13.44	94.00	11.520	33.20	48.30	67.73
115	274	6047000301	95334	Livingston	Merced	45.03	82.86	12.89	92.89	11.793	34.19	55.90	85.09

Rank in Northern Region (by CES Overall Score)	Rank in District (by CES Overall Score)	Census Tract	ZIP	Nearby City	County	CES Overall Score	CES Overall Percentile Rank (Statewide)	PM2.5 Score	PM2.5 Percentile Rank (Statewide)	Diesel PM Score	Diesel PM Percentile Rank (Statewide)	Pollution Burden Score	Pollution Burden Percentile Rank (Statewide)
116	275	6099003805	95380	Turlock	Stanislaus	45.02	82.85	12.89	92.89	18.978	58.63	51.78	76.76
117	277	6099002802	95357	Modesto	Stanislaus	44.96	82.78	12.89	92.89	4.628	12.74	56.30	85.65
118	283	6047001401	95340	Merced	Merced	44.77	82.52	12.89	92.89	21.787	66.56	44.03	56.04
119	287	6047000304	95334	Livingston	Merced	44.47	82.22	12.89	92.89	17.484	53.17	50.87	74.64
120	292	6047000504	95388	Winton	Merced	44.24	81.94	12.89	92.89	8.764	24.90	43.90	55.61
121	293	6099003400	95360	Newman	Stanislaus	44.18	81.83	11.26	66.24	1.884	5.92	60.16	91.85
122	297	6077004403	95240	Lodi	San Joaquin	44.11	81.71	11.33	66.27	15.790	48.01	46.73	63.43
123	298	6099003002	95307	Ceres	Stanislaus	44.08	81.67	12.89	92.89	14.994	45.65	54.90	83.53
124	299	6099001300	95350	Modesto	Stanislaus	44.07	81.62	12.89	92.89	21.468	65.58	63.37	94.91
125	300	6047002500	95369	Snelling	Merced	43.95	81.54	12.89	92.89	1.414	4.78	57.57	87.78
126	303	6077005305	95376	Tracy	San Joaquin	43.89	81.42	10.37	52.61	16.935	51.51	52.46	78.34
127	306	6047001503	95341	Merced	Merced	43.76	81.20	12.89	92.89	12.699	37.77	38.35	40.97
128	309	6099003908	95380	Turlock	Stanislaus	43.56	80.96	12.89	92.89	15.540	47.26	49.40	70.90
129	310	6047000901	95341	Merced	Merced	43.51	80.87	12.89	92.89	4.086	11.43	62.25	94.05
130	311	6047000203	95315	Delhi	Merced	43.44	80.82	12.89	92.89	11.240	32.30	49.07	69.94
131	313	6077003409	95210	Stockton	San Joaquin	43.36	80.63	13.53	94.09	19.060	58.93	40.79	46.98
132	315	6099001200	95354	Modesto	Stanislaus	43.28	80.49	12.89	92.89	25.260	76.89	55.83	84.99
133	323	6077005130	95330	Lathrop	San Joaquin	42.85	79.97	12.05	81.66	20.770	63.87	56.73	86.47
134	326	6077003601	95215	Stockton	San Joaquin	42.82	79.92	13.05	92.94	8.054	22.60	69.78	98.58
135	329	6099002006	95357	Modesto	Stanislaus	42.67	79.76	12.89	92.89	14.060	42.83	49.95	72.52
136	333	6077005133	95337	Manteca	San Joaquin	42.52	79.54	12.89	92.89	17.960	54.65	55.20	84.04
137	337	6077005135	95336	Manteca	San Joaquin	42.37	79.39	12.47	83.99	16.698	50.79	65.21	96.35
138	338	6047000801	95301	Atwater	Merced	42.33	79.34	12.89	92.89	16.411	49.92	48.33	67.79
139	339	6099000601	95358	Modesto	Stanislaus	42.32	79.33	12.89	92.89	17.439	52.97	60.29	92.01

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140	342	6077001000	95204	Stockton	San Joaquin	42.25	79.14	13.44	94.00	10.923	31.16	52.54	78.56
141	350	6047000701	95301	Atwater	Merced	42.07	78.85	12.89	92.89	21.640	65.85	47.01	64.09
142	353	6077003308	95207	Stockton	San Joaquin	41.88	78.62	13.44	94.00	17.198	52.38	43.32	53.85
143	359	6099000202	95361	Oakdale	Stanislaus	41.57	78.31	12.89	92.89	9.514	27.27	62.25	94.06
144	361	6077003801	95206	Stockton	San Joaquin	41.46	78.09	11.63	69.14	3.768	10.70	44.83	58.20
145	362	6047000503	95388	Winton	Merced	41.43	78.02	12.89	92.89	3.173	9.20	60.67	92.47
146	363	6077003312	95207	Stockton	San Joaquin	41.42	78.00	13.44	94.00	12.483	36.73	39.10	42.83
147	364	6077003500	95212	Stockton	San Joaquin	41.42	77.99	13.13	92.98	9.728	28.04	59.78	91.20
148	365	6077001400	95204	Stockton	San Joaquin	41.37	77.95	13.44	94.00	18.098	55.26	53.25	80.27
149	366	6099000404	95356	Modesto	Stanislaus	41.32	77.82	12.89	92.89	12.745	37.88	60.57	92.37
150	368	6077005132	95337	Manteca	San Joaquin	41.26	77.77	12.89	92.89	17.960	54.65	48.29	67.68
151	369	6077003305	95207	Stockton	San Joaquin	41.25	77.75	13.44	94.00	11.696	33.73	46.46	62.63
152	371	6047000401	95374	Stevinson	Merced	41.17	77.65	12.89	92.89	4.437	12.26	47.69	65.97
153	372	6047002600	95341	Merced	Merced	41.11	77.55	12.89	92.89	7.606	21.07	54.17	82.10
154	375	6077004902	95320	Escalon	San Joaquin	40.86	77.31	12.89	92.89	4.762	13.07	68.35	98.12
155	376	6099002902	95326	Hughson	Stanislaus	40.84	77.30	12.89	92.89	7.084	19.29	52.46	78.37
156	379	6099001002	95350	Modesto	Stanislaus	40.78	77.20	12.89	92.89	25.124	76.61	53.78	81.29
157	382	6099000801	95350	Modesto	Stanislaus	40.70	77.06	12.89	92.89	15.170	46.31	60.12	91.79
158	388	6099002605	95307	Ceres	Stanislaus	40.42	76.64	12.89	92.89	19.050	58.84	45.97	61.22
159	389	6047000303	95334	Livingston	Merced	40.40	76.62	12.89	92.89	4.252	11.86	59.03	90.12
160	390	6099003202	95363	Patterson	Stanislaus	40.39	76.60	12.89	92.89	9.210	26.37	51.05	75.10
161	391	6077004308	95240	Lodi	San Joaquin	40.37	76.58	12.65	84.04	15.466	47.08	42.49	51.61
162	392	6077005206	95304	Tracy	San Joaquin	40.34	76.54	9.53630 3	40.92	7.641	21.21	60.28	91.99
163	394	6077003407	95210	Stockton	San Joaquin	40.10	76.19	13.44	94.00	16.189	49.32	41.22	48.28

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164	402	6099002701	95351	Modesto	Stanislaus	39.67	75.53	12.89	92.89	19.055	58.87	51.20	75.47
165	404	6077003406	95210	Stockton	San Joaquin	39.60	75.42	13.44	94.00	12.967	38.72	34.11	29.48
166	406	6099000807	95356	Modesto	Stanislaus	39.50	75.22	12.89	92.89	23.740	72.71	47.25	64.62
167	407	6047001902	95333	Le Grand	Merced	39.48	75.20	12.47	83.99	2.991	8.67	49.23	70.52
168	408	6077005106	95337	Manteca	San Joaquin	39.46	75.19	12.47	83.99	5.589	15.26	51.76	76.73
169	409	6077000401	95203	Stockton	San Joaquin	39.45	75.17	13.44	94.00	18.460	56.80	49.86	72.26
170	413	6099003500	95360	Newman	Stanislaus	39.31	74.91	12.89	92.89	7.661	21.27	47.93	66.70
171	414	6099000203	95361	Oakdale	Stanislaus	39.25	74.84	12.89	92.89	6.045	16.34	55.58	84.65
172	420	6099000503	95356	Modesto	Stanislaus	38.96	74.36	12.89	92.89	19.334	59.61	54.86	83.43
173	422	6099000402	95357	Modesto	Stanislaus	38.92	74.31	12.89	92.89	10.011	28.77	74.46	99.58
174	423	6047000603	95301	Atwater	Merced	38.91	74.30	12.89	92.89	15.610	47.47	49.49	71.23
175	425	6077003311	95210	Stockton	San Joaquin	38.80	74.13	12.75	84.16	10.622	30.34	40.18	45.33
176	426	6099000910	95355	Modesto	Stanislaus	38.71	74.07	12.89	92.89	17.201	52.40	48.36	67.88
177	427	6077005113	95336	Manteca	San Joaquin	38.70	74.04	12.89	92.89	15.076	45.90	52.19	77.64
178	429	6077003307	95207	Stockton	San Joaquin	38.57	73.88	13.44	94.00	11.520	33.20	41.10	47.89
179	433	6077003216	95209	Stockton	San Joaquin	38.40	73.67	12.75	84.16	9.431	27.08	44.31	56.90
180	434	6077001102	95204	Stockton	San Joaquin	38.17	73.44	13.44	94.00	18.460	56.80	46.74	63.45
181	435	6047001200	95340	Merced	Merced	38.16	73.41	12.89	92.89	12.363	36.12	40.68	46.72
182	436	6047001402	95340	Merced	Merced	38.12	73.36	12.89	92.89	9.363	26.86	41.27	48.40
183	437	6077005501	95304	Tracy	San Joaquin	38.10	73.31	12.05	81.66	5.386	14.80	53.33	80.42
184	440	6077005405	95376	Tracy	San Joaquin	37.83	72.96	10.37	52.61	16.226	49.45	48.39	68.03
185	443	6047000202	95315	Delhi	Merced	37.54	72.57	12.89	92.89	9.786	28.20	59.40	90.72
186	451	6077005108	95336	Manteca	San Joaquin	37.33	72.30	12.89	92.89	18.155	55.44	45.23	59.25
187	453	6077003410	95210	Stockton	San Joaquin	37.23	72.15	13.53	94.09	19.060	58.93	37.61	38.87

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188	455	6077003112	95207	Stockton	San Joaquin	37.16	72.05	13.44	94.00	14.371	43.80	43.68	55.01
189	456	6077004501	95240	Lodi	San Joaquin	37.15	72.04	9.117123	32.61	9.049	25.81	54.53	82.87
190	457	6099003605	95382	Turlock	Stanislaus	37.12	71.99	12.89	92.89	14.954	45.49	47.75	66.12
191	458	6099003001	95307	Ceres	Stanislaus	37.10	71.95	12.89	92.89	12.539	36.98	58.23	88.84
192	463	6099000908	95355	Modesto	Stanislaus	36.83	71.51	12.89	92.89	16.795	51.10	48.79	69.26
193	464	6077003310	95210	Stockton	San Joaquin	36.56	70.92	13.44	94.00	11.520	33.20	33.06	26.73
194	466	6099000501	95356	Modesto	Stanislaus	36.54	70.87	12.89	92.89	13.667	41.41	73.24	99.40
195	469	6077003404	95210	Stockton	San Joaquin	36.40	70.63	12.94	92.90	13.925	42.34	36.08	34.84
196	478	6099000506	95356	Modesto	Stanislaus	35.99	69.97	12.89	92.89	13.303	40.11	58.41	89.16
197	479	6047002301	93635	Los Banos	Merced	35.98	69.95	13.55	94.10	11.042	31.51	48.19	67.42
198	483	6077003109	95207	Stockton	San Joaquin	35.46	69.28	13.44	94.00	10.699	30.58	42.88	52.76
199	486	6099000201	95361	Oakdale	Stanislaus	35.40	69.20	12.89	92.89	8.618	24.48	57.90	88.36
200	488	6047000402	95324	Hilmar	Merced	35.31	69.00	12.89	92.89	8.771	24.92	60.40	92.20
201	490	6099002803	95355	Modesto	Stanislaus	35.17	68.75	12.89	92.89	8.272	23.40	49.52	71.28
202	491	6077005303	95376	Tracy	San Joaquin	35.04	68.53	10.37	52.61	20.224	62.39	39.73	44.22
203	492	6077004102	95240	Lodi	San Joaquin	34.99	68.48	12.45	81.74	8.459	24.07	56.05	85.30
204	494	6047001004	95348	Merced	Merced	34.96	68.42	12.89	92.89	24.020	73.40	35.02	32.13
205	497	6077004402	95240	Lodi	San Joaquin	34.80	67.99	12.65	84.04	12.216	35.56	51.62	76.44
206	499	6077003217	95209	Stockton	San Joaquin	34.73	67.88	12.75	84.16	9.367	26.87	45.82	60.82
207	501	6077005307	95376	Tracy	San Joaquin	34.69	67.80	10.37	52.61	14.780	45.00	36.37	35.43
208	503	6077003106	95219	Stockton	San Joaquin	34.56	67.57	13.44	94.00	9.299	26.73	48.55	68.53
209	505	6077001101	95204	Stockton	San Joaquin	34.40	67.35	13.44	94.00	18.460	56.80	40.93	47.36
210	509	6077004302	95240	Lodi	San Joaquin	34.18	67.03	11.62	66.35	15.790	48.01	46.47	62.65
211	510	6099001001	95355	Modesto	Stanislaus	34.14	66.94	12.89	92.89	18.481	56.86	50.67	74.34

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212	515	6099000905	95355	Modesto	Stanislaus	34.05	66.79	12.89	92.89	15.679	47.72	48.45	68.20
213	516	6099002801	95386	Waterford	Stanislaus	34.03	66.78	12.89	92.89	1.762	5.71	47.81	66.36
214	518	6077005125	95336	Manteca	San Joaquin	33.82	66.43	12.89	92.89	19.000	58.72	37.96	39.70
215	519	6099000102	95361	Oakdale	Stanislaus	33.75	66.28	12.89	92.89	2.687	7.78	63.22	94.84
216	522	6099000806	95350	Modesto	Stanislaus	33.55	65.97	12.89	92.89	23.465	71.90	43.11	53.38
217	525	6077003210	95209	Stockton	San Joaquin	33.40	65.62	12.75	84.16	10.731	30.74	41.57	49.42
218	526	6077004001	95242	Lodi	San Joaquin	33.21	65.27	10.33	42.90	6.442	17.46	51.49	76.13
219	527	6099000403	95357	Modesto	Stanislaus	33.16	65.20	12.89	92.89	14.739	44.82	53.96	81.68
220	531	6077004203	95240	Lodi	San Joaquin	32.98	64.85	8.69794 4	30.70	10.144	29.11	42.83	52.56
221	532	6077003111	95207	Stockton	San Joaquin	32.90	64.71	13.44	94.00	13.661	41.33	43.67	55.00
222	534	6077003215	95219	Stockton	San Joaquin	32.86	64.61	11.91	69.19	9.003	25.65	47.94	66.71
223	540	6047000602	95301	Atwater	Merced	32.73	64.40	12.89	92.89	21.640	65.85	38.53	41.41
224	542	6077003213	95209	Stockton	San Joaquin	32.63	64.23	12.06	81.70	11.143	31.94	41.40	48.76
225	543	6099000912	95355	Modesto	Stanislaus	32.56	64.09	12.89	92.89	19.410	59.96	55.31	84.22
226	544	6099002603	95307	Ceres	Stanislaus	32.56	64.08	12.89	92.89	19.050	58.84	45.79	60.73
227	546	6077005406	95376	Tracy	San Joaquin	32.46	63.89	10.37	52.61	15.327	46.72	40.54	46.27
228	548	6099003909	95382	Turlock	Stanislaus	32.35	63.72	12.89	92.89	14.323	43.67	41.50	49.10
229	549	6077003205	95209	Stockton	San Joaquin	32.22	63.54	13.44	94.00	11.377	32.71	41.90	50.29
230	551	6099002901	95316	Denair	Stanislaus	32.16	63.36	12.89	92.89	3.619	10.21	56.54	86.07
231	552	6099003906	95380	Turlock	Stanislaus	32.13	63.32	12.89	92.89	15.540	47.26	40.49	46.15
232	553	6077005134	95336	Manteca	San Joaquin	32.11	63.26	12.89	92.89	19.000	58.72	39.23	43.14
233	555	6099000505	95356	Modesto	Stanislaus	32.06	63.20	12.89	92.89	15.687	47.75	47.54	65.49
234	562	6077005207	95377	Tracy	San Joaquin	31.66	62.47	9.53630 3	40.92	7.686	21.43	51.35	75.81

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235	563	6077005124	95336	Manteca	San Joaquin	31.46	62.13	12.89	92.89	18.232	55.76	42.64	52.05
236	564	6047000802	95301	Atwater	Merced	31.40	61.99	12.89	92.89	16.485	50.13	41.72	49.81
237	569	6077004002	95219	Stockton	San Joaquin	31.25	61.70	11.84	69.17	8.637	24.53	52.48	78.39
238	572	6077004901	95320	Escalon	San Joaquin	31.10	61.43	12.89	92.89	7.617	21.11	56.93	86.73
239	574	6047000702	95301	Atwater	Merced	30.56	60.59	12.89	92.89	9.100	25.97	48.44	68.16
240	576	6099003604	95316	Denair	Stanislaus	30.45	60.35	12.89	92.89	6.750	18.33	56.04	85.25
241	577	6077005003	95366	Ripon	San Joaquin	30.22	59.88	12.89	92.89	7.294	20.06	58.97	90.07
242	579	6099000906	95355	Modesto	Stanislaus	30.16	59.76	12.89	92.89	15.626	47.54	46.27	62.10
243	581	6077005308	95376	Tracy	San Joaquin	29.98	59.44	10.37	52.61	14.780	45.00	38.24	40.62
244	582	6077003306	95207	Stockton	San Joaquin	29.96	59.39	13.44	94.00	11.520	33.20	34.94	31.86
245	590	6099003606	95382	Turlock	Stanislaus	29.49	58.49	12.89	92.89	15.936	48.49	49.08	69.99
246	592	6077005001	95366	Ripon	San Joaquin	29.07	57.88	12.89	92.89	15.163	46.26	58.09	88.66
247	594	6099000911	95355	Modesto	Stanislaus	28.82	57.49	12.89	92.89	19.410	59.96	44.35	56.99
248	597	6077003214	95209	Stockton	San Joaquin	28.71	57.26	12.06	81.70	11.229	32.26	41.32	48.57
249	598	6077004600	95220	Acampo	San Joaquin	28.71	57.25	10.87	54.49	4.488	12.45	58.62	89.60
250	599	6047001101	95340	Merced	Merced	28.65	57.17	12.89	92.89	21.090	64.95	37.71	39.03
251	600	6077003108	95219	Stockton	San Joaquin	28.65	57.16	13.44	94.00	9.299	26.73	44.38	57.08
252	601	6077005004	95366	Ripon	San Joaquin	28.48	56.91	12.89	92.89	8.484	24.12	60.18	91.87
253	605	6099000907	95350	Modesto	Stanislaus	28.28	56.60	12.89	92.89	15.170	46.31	58.37	89.06
254	607	6077005403	95376	Tracy	San Joaquin	28.16	56.32	10.37	52.61	9.683	27.87	38.61	41.56
255	608	6077005208	95376	Tracy	San Joaquin	28.14	56.26	10.37	52.61	8.620	24.51	38.07	40.09
256	611	6077003203	95207	Stockton	San Joaquin	28.05	56.01	13.44	94.00	11.081	31.69	43.75	55.17
257	613	6077003208	95209	Stockton	San Joaquin	27.98	55.86	12.75	84.16	10.531	30.13	43.76	55.23
258	617	6099003905	95380	Turlock	Stanislaus	27.71	55.27	12.89	92.89	10.637	30.42	43.44	54.23



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259	618	6099000101	95230	Farmingto n	Stanislaus	27.65	55.16	11.36	66.28	1.221	4.22	46.23	62.02
260	628	6077001200	95204	Stockton	San Joaquin	26.69	53.35	13.44	94.00	18.460	56.80	48.08	67.09
261	632	6077004106	95242	Lodi	San Joaquin	26.15	52.16	11.38	66.29	5.071	14.01	48.89	69.46
262	637	6077004204	95240	Lodi	San Joaquin	25.70	51.14	8.69794 4	30.70	15.670	47.68	38.93	42.30
263	638	6077003209	95209	Stockton	San Joaquin	25.49	50.78	12.75	84.16	10.474	29.96	38.11	40.20
264	642	6077003114	95219	Stockton	San Joaquin	24.66	49.30	13.44	94.00	7.896	22.07	58.04	88.51
265	647	6077005502	95377	Tracy	San Joaquin	24.43	48.77	10.37	52.61	2.907	8.49	61.67	93.42
266	648	6099003907	95382	Turlock	Stanislaus	24.39	48.64	12.89	92.89	13.140	39.50	47.78	66.22
267	658	6077004701	95237	Lockeford	San Joaquin	23.08	45.35	11.45	66.30	2.439	7.16	31.66	23.60
268	667	6077004800	95236	Linden	San Joaquin	22.26	43.59	11.58	66.34	3.040	8.79	49.46	71.09
269	673	6099000504	95356	Modesto	Stanislaus	21.37	41.78	12.89	92.89	16.815	51.23	45.30	59.42
270	674	6077004704	95240	Lodi	San Joaquin	21.25	41.53	11.11	54.58	1.614	5.44	48.36	67.84
271	677	6047001801	95340	Merced	Merced	20.98	40.74	12.89	92.89	6.634	18.02	33.76	28.45
272	681	6077004105	95242	Lodi	San Joaquin	20.10	38.55	9.53630 3	40.92	2.820	8.25	33.46	27.70
273	683	6077003602	95215	Stockton	San Joaquin	19.91	38.09	12.51	84.01	4.658	12.79	43.17	53.50
274	685	6077005209	95377	Tracy	San Joaquin	19.78	37.80	10.37	52.61	12.788	38.10	43.65	54.90
275	693	6077004307	95240	Lodi	San Joaquin	18.67	34.90	12.35	81.72	15.494	47.13	35.42	33.13
276	700	6077005210	95377	Tracy	San Joaquin	17.53	31.77	10.37	52.61	5.008	13.85	29.77	19.12
277	715	6077004305	95242	Lodi	San Joaquin	15.63	26.84	12.06	81.70	10.008	28.72	35.48	33.27
278	722	6077004202	95240	Lodi	San Joaquin	14.65	24.30	9.11712 3	32.61	7.844	21.85	43.40	54.14
279	723	6077004303	95242	Lodi	San Joaquin	14.54	23.90	10.94	54.53	10.965	31.26	33.38	27.49
280	725	6077004703	95220	Acampo	San Joaquin	14.36	23.32	10.98	54.54	1.671	5.53	30.51	20.83

<b>Rank in Northern Region</b> (by CES Overall Score)	<b>Rank in District</b> (by CES Overall Score)	<b>Census Tract</b>	<b>ZIP</b>	<b>Nearby City</b>	<b>County</b>	<b>CES Overall Score</b>	<b>CES Overall Percentile Rank</b> (Statewide)	<b>PM2.5 Score</b>	<b>PM2.5 Percentile Rank</b> (Statewide)	<b>Diesel PM Score</b>	<b>Diesel PM Percentile Rank</b> (Statewide)	<b>Pollution Burden Score</b>	<b>Pollution Burden Percentile Rank</b> (Statewide)
281	735	6077004104	95242	Lodi	San Joaquin	12.40	18.73	10.88	54.50	4.611	12.71	28.24	15.99
282	746	6077004201	95242	Lodi	San Joaquin	8.71	10.25	9.11712 3	32.61	9.868	28.43	28.68	16.74

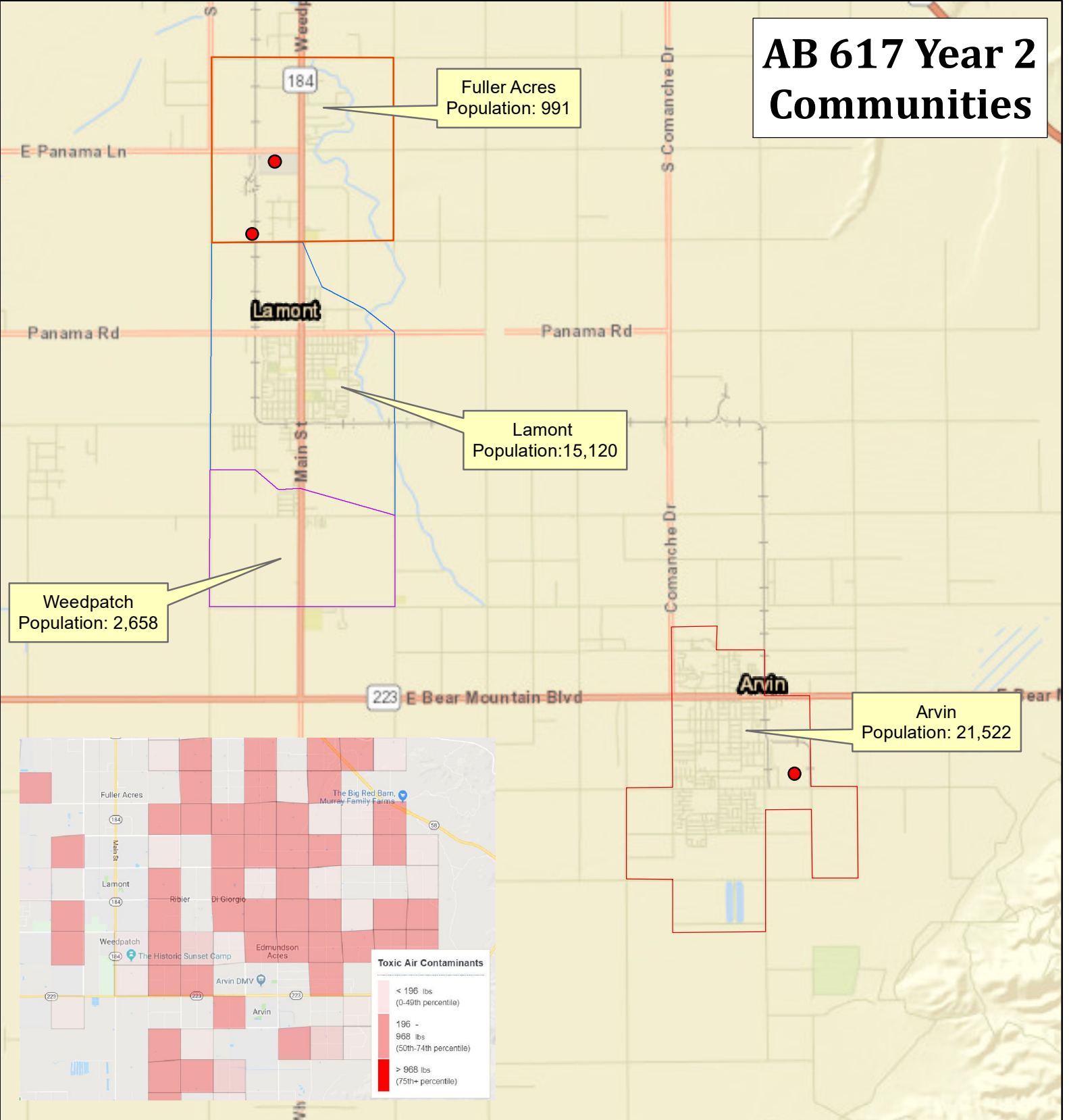
San Joaquin Valley Unified Air Pollution Control District  
Meeting of the Governing Board  
September 19, 2019

**DISTRICT COMMUNITY RECOMMENDATION FOR CARB UNDER SECOND-  
YEAR IMPLEMENTATION OF AB 617**

Attachment:

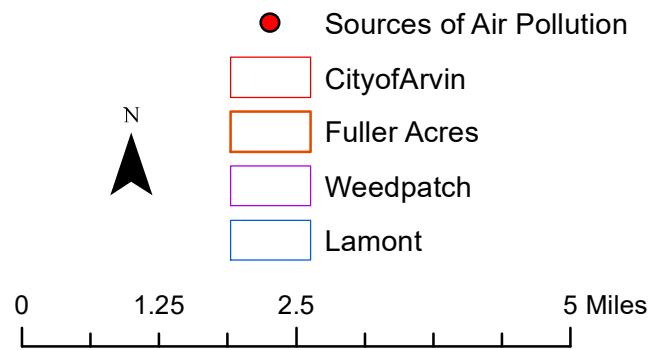
**COMMUNITY RECOMMENDATION SUBMITTALS**  
(45 PAGES)

# AB 617 Year 2 Communities



Created by:  
 Central California Environmental Justice Network  
 8/19/19

Data obtained:  
 Kern County  
 Tracking California  
 Census: American Fact Finder





# CITY OF ARVIN

**MAYOR**  
Jose Gurrrola

**MAYOR PRO TEM**  
Jazmin Robles

**COUNCIL MEMBERS**  
Gabriela Martinez  
Olivia Trujillo  
Mark Franetovich

**CITY MANAGER**  
Jerry Breckinridge

August 29, 2019

California Air Resources Board  
1001 I Street  
Sacramento, CA. 95814  
Attn: AB 617  
(vial email to: [communityair@arb.ca.gov](mailto:communityair@arb.ca.gov))

San Joaquin Valley Air Pollution Control District  
1990 E. Gettysburg Avenue  
Fresno, CA. 93726  
Attn: AB 617  
(via email to: [AB617@valleyair.org](mailto:AB617@valleyair.org))

Dear AB 617 Representatives,

The City of Arvin is a small rural disadvantaged community in Kern County located in the southern-most portion of California's Central Valley. Arvin's urbanized footprint is a compact one mile east to west and two miles north to south.

Despite its small footprint, Arvin is home to 21,328 people. Agriculture is the primary source of income for over half of its residents. U.S. Census data indicates that 91.3 percent of the residents of Arvin are Latino. Arvin is a particularly disadvantaged community that has more than its share of challenges. The area's household median income in 2014 was \$35,359, significantly lower than the state's average of \$61,489 (CensusReporter.org). 36% of children live below the poverty level and the vast majority (over 91%) of the student population qualifies for the federal Free and Reduced-Price Meal Program (CA Dept. of Education online FRPM data 2015-16). **Significantly, the median age of Arvin's residents is 24.2, significantly lower than the state average of 35.6.**

The town has a CalEnviroScreen 3.0 score in the high ranges from 81 to 95 percent. Particularly onerous are factors like poverty (99th percentile), low educational achievement (97th to 99th), linguistic isolation (89th to 93rd), exposure to ozone (96th to 99%), exposure to PM 2.5 (98th to 99%), exposure to pesticides (98%) and low drinking water quality (91st to 99th%). This project is focused on the entire urbanized portion of the City from Arvin High School on the north (south of Sunset Boulevard) to El Camino Real Elementary School in the south and from Comanche Drive in the west to Tejon Highway on the east.

Phone (661) 854-3134  
Fax (661) 854-0817

200 Campus Drive  
P.O. Box 548  
Arvin, California 93203

The City of Arvin is making strides on multiple fronts in our area to reduce greenhouse gases, ozone, particulate matter, and energy. The community needs more funding to build upon that momentum to have a significant air quality impact. AB617 will be a major game changer for the South Kern non-attainment area. Particulate matter and ozone continue to be a significant challenge in the South Kern area, yet Arvin is often overlooked because we are a small rural disadvantaged community.

Arvin has an established baseline GHG inventory for 2016 and can produce measurable outcomes with AB 617 funding. The city also has the capacity and experience in implementing programs such as Urban greening, Urban Forestry, fleet electrification, and charging stations.

The City of Arvin is ready for the AB 617 Program and will be a shining example of best practices for the San Joaquin Valley Air District and the California Air Resources Board.

Sincerely,

A handwritten signature in blue ink, appearing to read 'R. Jerry Breckinridge', with a large, stylized flourish at the end.

R. Jerry Breckinridge  
City Manager

**CRAIG M. POPE, P.E., DIRECTOR**  
ADMINISTRATION & ENGINEERING  
BUILDING & DEVELOPMENT  
OPERATIONS



**2700 "M" STREET, Suite 400**  
**BAKERSFIELD, CA 93301-2370**  
Phone: (661) 862-8900  
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Toll Free: (800) 552-5376 Option 5  
TTY Relay: (800) 735-2929

August 27, 2019

San Joaquin Valley Air Pollution Control District  
1990 E. Gettysburg Ave.  
Fresno, CA 93716  
Attn: AB617


Dear Selection Committee,

Kern County Public Works (KCPW) is pleased to support the nomination of community residents in the Arvin/Lamont South Kern Region as an AB 617 community. KCPW has been working diligently with the local leadership to address environmental justice concerns, particularly through transportation modes that affect disadvantaged communities in Kern County.

The Arvin/Lamont South Kern Region is at the southern end of the San Joaquin Valley at the base of the Tehachapi mountain range, which effectively traps air pollution causing serious local air quality conditions. KCPW is committed to improving public health and safety by constructing infrastructure improvements that reduce air pollution to help the region meet clean air mandates. KCPW is willing to partner with the community to identify opportunities to reduce fugitive dust and vehicle miles traveled by paving unpaved roadways, constructing new sidewalks, increasing street sweeping, and improving public fleet vehicles.

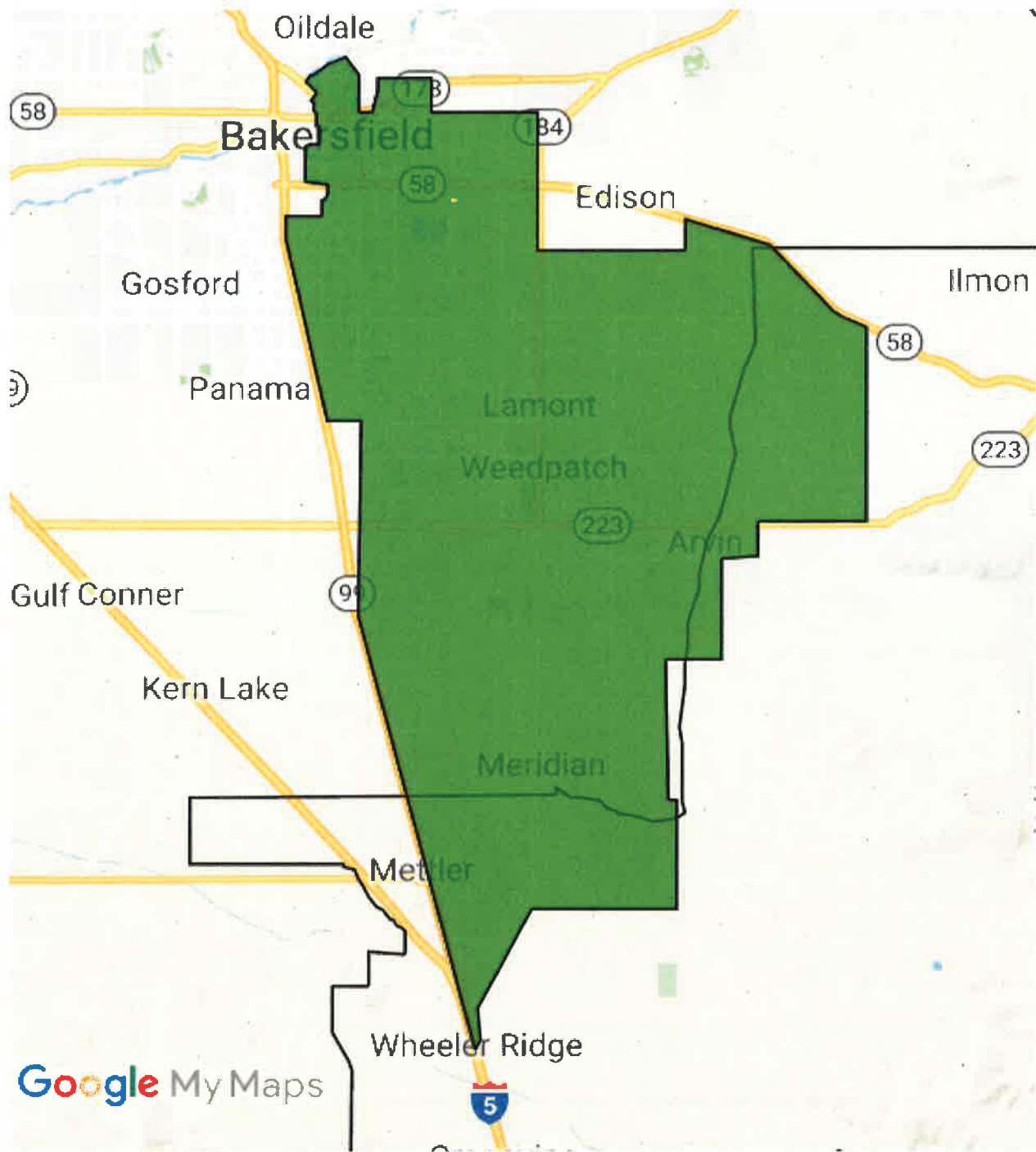
Over the last 10 years, this Department has completed over 80 air quality projects to improve the quality of life of our residents. Due to the vast size of the County and competitive nature of the grants, only 10 of those projects were located specifically in the Arvin/Lamont South Kern Region. The successful partnership with an AB 617 community would allow KCPW to focus improvements per Goal/Objective 6 within this SJVAPCD Environmental Justice community to enhance the effectiveness of emission reduction incentives for bicycle lanes and infrastructure.

KCPW is excited for the opportunity to progress our partnerships with the Air District and community to strategize effective reductions in fugitive dust that will improve air quality in our Valley and move toward attainment of state and federal air quality standards.

Sincerely,  


Craig M. Pope  
Public Works Director

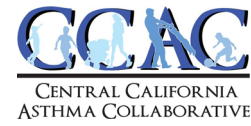
**San Joaquin Valley Unified Air Pollution Control District  
ENVIRONMENTAL JUSTICE MAP**



**Goal/Objective 6:** Work with the District to enhance the effectiveness of emission reduction incentive programs in EJ communities in San Joaquin Valley.

Bicycle lanes and infrastructure	EJAG Members	On-going	Assist in conducting outreach in disadvantaged communities for projects that promote bicycle use
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## San Joaquin Valley's AB 617 Environmental Justice Steering Committee

### *Second-Round Community Nominations*

September 5th, 2019

#### **Authors include:**

- Californians for Pesticide Reform
- Catholic Charities – Diocese of Stockton
- Center on Race, Poverty and the Environment
- Central California Asthma Collaborative
- Central California Environmental Justice Network
- Central Valley Air Quality Coalition
- Centro Binacional para el Desarrollo Indígena Oaxaqueño
- Greenaction for Health and Environmental Justice
- Leadership Counsel for Justice and Accountability
- Madera Coalition for Community Justice
- Tulare County - Coalition Advocating for Pesticide Safety
- Valley Improvement Projects
- Valley Latino Environmental Advancement Project

#### **Compiled by:**

Tim Tyner, Central California Asthma Collaborative  
Genevieve Gale, Central Valley Air Quality Coalition

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## Appendices

Community Scoring Summary
Stockton maps and detailed scoring matrix
Merced maps and detailed scoring matrix
Tulare maps and detailed scoring matrix
Arvin-Lamont maps and detailed scoring matrix

## Introduction

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In July of 2017, the Governor and Legislature of the State of California passed Assembly Bill (AB) 617, now known as the Community Air Protection Program (CAPP). The law requires the California Air Resources Board (CARB) and local air districts to deploy community air monitoring in select communities, to implement local emissions reduction programs in communities experiencing high cumulative air pollution exposure burdens, and to make other changes regarding the measurement and control of air pollution. The law mandated CARB select the first round of communities in 2018 for the preparation of emissions reduction and air monitoring programs and annually thereafter.

In February of 2018, the San Joaquin Valley Environmental Justice Collaborative - comprised of the Central California Environmental Justice Network, the Central California Asthma Collaborative and the Central Valley Air Quality Coalition - convened a group of Environmental Justice (EJ) advocates from across the Valley to discuss the passing of the new law. The group formed the *San Joaquin Valley AB 617 EJ Steering Committee* (SJV Steering Committee) with the goal of increasing coordination and consultation among EJ partners in the Valley around the development of AB 617 CAPP programs.

In year one, the SJV Steering Committee developed a methodology to select, prioritize and nominate Valley communities to participate in CAPP. Now in year two, the SJV Steering Committee updated the community assessment and selection methodology with more current data and information, including various lessons learned during the initial implementation year.

The following report is designed to reflect this updated approach, recommend, and help inform both the San Joaquin Valley Air Pollution

San Joaquin Valley EJ Steering Committee	
Acronym	Environmental Justice Organization
Catholic Charities	Catholic Charities-Diocese of Stockton
CVAQ	Central Valley Air Quality Coalition
VIP	Valley Improvement Project
CCAC	Central California Asthma Collaborative
BHC	Building Healthy Communities (Kern and Fresno)
LCJA	Leadership Council for Justice and Accountability
CBDIO	Centro Binacional para el Desarrollo Indigena Oaxaqueno
Madera Coalition	Madera Coalition for Community Justice
Valley LEAP	Valley Latino Environmental Advancement Project
CPR	Californians for Pesticide Reform
Green Action	Green Action for Health and Environmental Justice
TC-CAPS	Tulare County-Coalition Advocating for Pesticide Safety
El Pueblo	El Pueblo para el Aire y Agua Limpia de Kettleman City
CCEJN	Central California Environmental Justice Network
CRPE	Center on Race, Poverty and the Environment
CWC	Community Water Center

## Introduction

---

Control District nomination and CARB's selection of next year's AB 617 CAPP community(s) in the SJV. The report outlines the SJV Steering Committee's community selection process and final prioritized list of communities nominated for the preparation of both emission reduction and air monitoring plans. The SJV Steering Committee appreciates the opportunity to provide the following community nominations.

## Second-Round Communities

To nominate communities in the San Joaquin Valley for the second round of the AB 617 Community Air Protection Program, the SJV Steering Committee began with the list of environmental justice communities generated during the first-round nomination process. While these communities all share a heavy burden of pollution and are considered the most disadvantaged in the state, many are currently lacking the residential and organizational capacity to successfully engage with the Air District and CARB in the AB 617 CAPP process. From the original list of 40 communities, only seven were identified by SJV Steering Committee members as having the existing capacity to participate in the next round of AB 617, as shown in Table 1.

County	Community	Community Type	Lead Organization	Air Monitoring	Emission Reduction
San Joaquin	Central-SW Stockton	Urban	Catholic Charities, Little Manila, Fathers and Families, Central California Environmental Justice Network	X	X
Merced	South Merced	Urban	Leadership Council, Central California Asthma Collaborative	X	X
Madera	Fairmead	Rural	Leadership Council	X	X
Madera	La Vina	Rural	Leadership Council	X	X
Fresno	Lanare	Rural	Leadership Council	X	X
Tulare	South Tulare & Matheny Tract	Urban/Rural	Centro Binacional para el Desarrollo Indigena Oaxaqueno, Californians for Pesticide Reform, Tulare County-Coalition Advocating for Pesticide Safety	X	X
Kern	Lamont-Arvin	Rural	Central California Environmental Justice Network, Center on Race Poverty and the Environment, Californians for Pesticide Reform Reform, Communities for a Better Arvin	X	X

Table 1. Communities nominated by SJV EJ Steering Committee members

## Scoring Criteria

Based on the experiences of SJV Steering Committee member organizations involved in the implementation of the first round of AB 617 CAPP in South Fresno and Shafter, it was decided that the method of prioritizing communities for second-round nominations should be more heavily weighted toward community capacity with less weight given to the available environmental data. This decision was based on two primary factors: 1) the significant amount of time and work required by local CBOs to successfully engage with residents and the Air District throughout the CAPP process and 2) the lack of reliable environmental data reflective of *local* air pollution emissions. [note: CARB has provided comprehensive datasets of local mobile and area source emissions in existing AB617 communities, but this level of data is currently unavailable for other California communities]

The methodology for scoring and ranking SJV communities under consideration for the second round of AB 617 included analysis of five community-level categories: [1] Population Characteristics, [2] Regional Air Pollution, [3] Local Air Pollution, [4] Health, and [5] Capacity. Individual indicators within each category were selected from available datasets, as shown in Table 2 below (data sources are indicated in parentheses).

POPULATION CHARACTERISTICS (10%)	HEALTH (20%)
Poverty (CES3.0)	Asthma ED rate (CES3.0)
Linguistic Isolation (CES3.0)	Heart Attack ED rate (CES3.0)
REGIONAL AIR POLLUTION (10%)	Low Birth Weight (CES3.0)
PM2.5 (CES3.0)	Life Expectancy (HPI)
Ozone (CES3.0)	Diabetes (HPI - urban only)
LOCAL AIR POLLUTION (10%)	Obesity (HPI - urban only)
Diesel PM (CES3.0)	CAPACITY (50%)
Pesticides (CES3.0)	Number of engaged CBOs (SJV EJ SC)
PM2.5 Stationary Sources (SJVAPCD)	
Oil & Gas (DOGGR)	<i>CES3.0: CalEnviroScreen, version 3</i>
Dairies (CA Water Board)	<i>HPI: CA Healthy Places Index</i>

Table 2. Categories and indicators included in community scoring matrices.

Scores were assigned to each of the individual indicators at the census tract-level based on statewide ranking (75<sup>th</sup> – 95<sup>th</sup> percentiles), estimated emissions (PM2.5 tons/year) or proximity to sources (oil/gas, dairies = # facilities within half-mile of community), as indicated in Table 2 below and on the community assessment maps included in the Appendices.

CES or HPI, CA rank	SCORE	PM2.5 Emissions	SCORE
75th percentile	1	1-2 tons/year	1
80th percentile	2	3-5 tons/year	2
85th percentile	3	6-10 tons/year	3
90th percentile	4	11-15 tons/year	4
95th percentile	5	> 15 tons/year	5

Table 3. Census tract-level assessment scores

Individual indicator scores were used to generate an average category score for each census tract. Combined census tract scores were then averaged to calculate a total score for that category, which was then weighted as indicated in Table 2 above. [note: Local Air Pollution scores were additive and standardized to a maximum value of 5] Weighted, average category scores were then summed to generate a total community score (see *Community Scoring Summary* in the Appendices). We did not include population weighting to any of the category scores, but instead separated communities into URBAN and RURAL groupings.

Preliminary community boundaries that were drawn for the purpose of generating community-level burden scores were subsequently modified based on the combined category scores for each census tract. Initially, only census tracts designated as SB535 disadvantaged communities were included in the analysis, however, based on other data (e.g. poverty indicator), it was determined that some low-income neighborhoods with high pollution burden were being excluded (e.g. northwest Arvin and west Lamont). These census tracts were subsequently included in the analyses. The proposed boundaries (see individual community assessment maps in the Appendices) are currently under review by local community groups to provide additional input on the recommended boundary and should not be considered as final. Lamont and Arvin would like to be nominated as one community for CAPP purposes.

Unfortunately, this methodology was not capable of analyzing small communities located in large, rural census tracts that include other (larger) communities. For example, the communities of Lanare and LaVina represent only a small fraction of the total population in their respective census tracts. We therefore are unable to determine whether or not the census tract-level population, pollution and health data utilized in this analysis would be reflective of these communities.

## Prioritized List of Communities

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The detailed scoring matrices and associated maps can be found in the Appendices. The prioritized list of communities includes **Stockton** as the highest ranked URBAN community and **Arvin-Lamont** as the highest ranked RURAL community, as shown in Table 4.

	URBAN	RURAL
1	Central-SW Stockton	Arvin-Lamont
2	South Merced	Fairmead
3	South Tulare	Lanare/LaVina

Table 4. Community Assessment Rankings



## *Port of Stockton and surrounding neighborhoods*

---

Community location: The Port of Stockton is located southwest of downtown Stockton. This community's census tract is bordered by Interstate-5 (I-5) to the east, the San Joaquin River to the north and west, and West 8th Street to the south. There are multiple railroad lines within, and it is close to the Ort J. Lofthus Freeway and Charter Way. The proposed boundaries are currently under review by local community groups to provide additional input and should not be considered final.

Description of the community: The Port, according to CalEnviroScreen, has a population of approximately 6,692 with a 100% Pollution Burden percentile and a 96 to 100% Population Characteristics percentile. There is one elementary school four blocks from Best Logistics, Inc., and there are two elementary schools just below the census tract, and a high school just outside the census tract on the other side of I-5. The Port is a major industrial location, consisting of railroads, the seaport, factories, and warehouses, with homes and neighborhoods to the north, east, and south. According to CalEnviroScreen, the Port has a higher than 96% percentile for cleanups, groundwater threats, impaired water, solid waste, asthma, and cardiovascular rate. The Port also has a high percentile burden for education, poverty, and housing burden. The population is largely Hispanic at 57%, followed by Asian-American at 21%, African-American at 13% and White at 6%. The tract contains 19% children under age 10.

Air pollution concern: The Port contains and is surrounded by heavy industrial uses. Other industries include: CenCal Recycling, Waste Management, Schuff Steel Pacific, JC Trucking, DTE Energy (a biomass incinerator), Lineage Logistics (a cold storage distribution center), as well as other distribution centers, manufacturers, and warehouses. All this industry contributes to high levels of PM 2.5, diesel, and traffic, which in turn contribute to the high health concerns such as asthma, cardiovascular issues, and impaired water and groundwater threats.

## *South Merced*

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Community location: South Merced is a neighborhood that spans from West Ave to Martin Luther King Jr Way, and West Childs to the 99 Freeway.

Description of the community: Neighbors United for a Better South Merced is a community group that has advocated for decades for increased transportation investments in their community, community and pedestrian safety, and for a grocery store. They work very closely with their local government in the City of Merced to secure investments and improvements in their neighborhood. Recently, they were successful in securing a four-way stop in a heavily trafficked intersection that posed a threat to schoolchildren and families. Despite its location in one of the most agriculturally rich areas of the state, South Merced is a food desert and does not have a grocery store in the neighborhood where residents can buy fresh produce. There is a middle school and an elementary school in the community. The group holds regular meetings at the Golden Valley Health Center on W Childs Ave.

Air pollution concern: According to CalEnviroScreen, parts of South Merced ranks in the top 9% most overburdened communities, the top 7% for PM 2.5 pollution, and the top 12% for asthma rates. As the community is partially bordered by the 99 freeway, a major freight and vehicle corridor, air pollution from diesel emissions impacts South Merced. There is also an airport nearby that could potentially contribute harmful emissions to the community. Additionally, agricultural operations and new industrial parks located along highway 140, Childs and the 59 also contribute negatively to the air quality.

## *Fairmead*

---

Community location: The main cluster of homes in the Fairmead are between Avenue 21 1/2 and Avenue 24. This cluster of 178 homes are connected to the county well, have natural gas connection and all have septic tanks. All other property homes within Fairmead are a mix of larger acreage almond orchards and smaller 3-5 acre ranchettes.

Description of the community:

Fairmead is an unincorporated community in Madera County between the cities of Madera and Chowchilla. CA State Route Highway 99 splits the 8-square mile community of Fairmead. According to the 2010 U.S. Census, Hispanic or Latino residents make up almost 70% of Fairmead's demographics and approximately 17% of residents identify as Black or African American. Fairmead is in the top 9% most overburdened communities on CalEnviroScreen, and the top 12% most pollution burdened. The community ranks in the top 15% for ozone pollution, top 16% for PM 2.5, and top 14% for pesticides.

There is one school in Fairmead which only accommodates 5<sup>th</sup> and 6<sup>th</sup> graders. All other school-aged children are bussed to Chowchilla and Madera. There is a significant lack of infrastructure: no commercial businesses, no parks, no sewer services, no community center, no sidewalks and many road issues and flooding. There is only one bus stop with no more than 3 routes a day and the nearest grocery store is 5 miles away.

Fairmead Community and Friends is a non-profit founded in 2007 to advocate for the community and ensure that residents' voices are heard at the county and state level. They advocate for basic infrastructure and investments in Fairmead and host community building activities such as annual dinners, food distribution, and children's activities.

Air pollution concern: Residents of Fairmead are concerned with a variety of possible pollution sources, such as the Fairmead Landfill on the westside with homes in close proximity. The nitrates and pesticides used for the hundreds of acres of planted almond orchards that are in close proximity of homes are major concerns. The pollution from the BNSF and Union Pacific trains that run daily right along highway 99 very close to the cluster of homes is also of concern. Without any commerce in Fairmead there are many necessary vehicle trips for purchases and to go to work. There is one dairy in Fairmead. There are also clouds of dust brought on by work and harvest in the multitude of almond orchards surrounding Fairmead homes. With the lack of road repairs and the previous years' drought, there is more road dust.

## *La Vina*

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Community location: La Vina is an unincorporated community in Madera County located about 7 miles south and southwest from the city of Madera. Along Avenue 9 are parcels with various types of housing, a SHE multi-family development with 56 units, and about 60 Self Help homes.

Description of the community: The majority of residents in La Vina are farmworkers and individuals employed outside of the community. According to the 2010 U.S. Census, Hispanic or Latino residents make up 95% of La Vina's demographics. There is one bus stop that has one round trip to the City of Madera available only two days out of the week. There is a K-8 school one mile from the main tract of homes, but due to the lack of infrastructure and the danger of speeding diesel trucks and tractors, children are forbidden from walking to school and face suspension if caught by school staff. There is one small market in the community, but the groceries are expensive. There is no public park, no community center, a significant lack of basic infrastructure, and severe road issues due to the agricultural surroundings.

Air pollution concern: La Vina is in the top 14% most overburdened communities on CalEnviroScreen, and ranks in the top 2% most pollution-burdened. The community ranks in the top 5% for PM 2.5 pollution, top 9% for pesticides, and top 15% for ozone. Residents of La Vina are concerned with a variety of pollution sources. Because of the lack of transit and transportation options, as well as lack of job opportunities in the community itself, residents must drive long distances for work and other services. Pollution from passenger vehicles as well as diesel emissions from tractors and freight are large contributors to the area's poor air quality. Truck traffic is particularly increased during the harvesting seasons. Additionally, residents are concerned with pesticides and dust from agricultural operations as the community is completely surrounded by various crops. A nearby winery, Mission Bell, on the northern end of the community as well as the Ardagh Glass manufacturing facility also create negative localized impacts. According to CARB's Pollution Mapping Tool, Ardagh Glass is a significant emitter of not only carbon dioxide, but also nitrous and sulfur oxides.

## *Lanare*

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Community location: Lanare is an unincorporated community located approximately 24 miles south of the city of Fresno and 8 miles west of the 41 freeway. Mt. Whitney Road is the southern boundary of the community, with residential houses on Chateau Ave, Fresno, Garfield, Grantland, and Bryan. The Census tract in which Lanare is located is much larger than the boundaries of the community.

Description of the community:

Lanare is surrounded by agricultural lands and large-scale dairies. According to the 2010 Census, 40% of the community's population age 25 years and older have achieved an education level below the 9<sup>th</sup> grade. 88% of residents are Hispanic or Latino, and about 62% live below the poverty level. The Census tract in which Lanare is located is in the top 19% most disadvantaged communities on CalEnviroScreen, and ranks in the top 9% for ozone pollution and the top 3% for PM 2.5. The community also ranks in the top 9% for pesticide application.

Lanare's water is contaminated with arsenic, and resident leaders have been embroiled in a fight for clean drinking water for more than a decade. Although an arsenic treatment plant was built in their community, the engineering study for the plant did not accurately consider residents' low-income status or water usage, so residents were not able to afford the fees to operate and maintain it. After only 6 months the facility went idle and the system was put into receivership because of mismanagement. Since then, the community has been advocating for a permanent drinking water solution, and they have successfully procured state funding for a new water system with two new wells. The new Community Services District has been training to take back control of the water system.

Much of Lanare is situated along a fast-paced, two-lane county road called Mt. Whitney. Several years ago, community leaders were able to advocate for state funding to construct a sidewalk along Mt. Whitney so that residents could walk safely to neighbors' homes, the small shop, or the community center. The community as a whole is severely lacking in infrastructure; most streets do not have sidewalks or street lights, roads are poorly maintained, there is no public transit for accessing healthy stores and resources in nearby cities, and poor wastewater infrastructure makes the community prone to flooding during the rainy season.

Lanare has a community center where the community group meets once a month to discuss state legislation, transportation, and make decisions regarding their water services. The group meets with state legislators, district supervisors, and state agency representatives and partners with Leadership Counsel for Justice and Accountability on these decision-making processes.

## *Lanare*

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Air pollution concern: Residents of Lanare are concerned with a variety of possible pollution sources, including contamination from pesticide use in the agricultural fields surrounding the community, dust from the dry fields surrounding their homes, and the many dairies located in and nearby the community. Many of these dairies have been permitted to construct dairy digesters on their sites, which poses localized air pollution risks. Additionally, because of the lack of transit options and basic services in the community, residents are forced to drive outside of Lanare for work, medical services, school, or other essentials, thereby increasing air pollution from passenger vehicles.

## *South Tulare and Matheny Tract*

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Community location: Matheny Tract is an unincorporated community of about 1,200 residents in Tulare County. The 99 freeway marks the community's eastern border, and Matheny is surrounded by farmland and industrial development. Palo Verde Elementary is a K-8 school located less than two miles from Matheny Tract that serves roughly 600 students, including the children of Matheny.

Description of the community: 73% of Matheny Tract are Hispanic or Latino, with 33% of residents living below the poverty level. According to the most recent Legacy Plan, Matheny Tract's median household income is \$30,565, half of the State of California's median household income. The Plan also found that approximately 55% of the severely disadvantaged community's housing units were deteriorated and 32% were dilapidated. Matheny Tract ranks in the top 15% most overburdened communities according to CalEnviroScreen, and is also in the top 15% most pollution burdened communities. Matheny Tract scores in the top 9% for ozone and top 1% for PM2.5. The community also scores in the top 20% for asthma and pesticides.

In 2010, residents organized into the Matheny Tract Committee to address the lack of basic infrastructure, such as sidewalks, streetlights, safe drinking water, and sewage systems. Leadership Counsel for Justice and Accountability works closely with the Matheny Tract Committee, and in 2016 through grassroots organizing and legal advocacy, the community became the beneficiary of the State Water Board's first mandated drinking water system consolidation. The community continues to organize for wastewater treatment, parks, protection from industrial pollution, street lights, and active transportation infrastructure.

Air pollution concern: Residents of Matheny Tract are concerned with a variety of pollution sources, including contamination from pesticide use in the agricultural fields around the community and the multitude of dairies in the area. The community borders Highway 99 and a Union Pacific Railroad which are responsible for many emissions. Matheny's northern border with the City of Tulare is zoned heavy industrial. Matheny Tract's Legacy Plan identifies that because Matheny Tract is located near the central portion of the Valley with prevailing winds from the northwest, it is in a vulnerable position for the accumulation of adversely modified air, particularly when a temperature inversion occurs which holds down surface air along with its pollutants.

## Lamont

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Community location: Lamont is located north of the City of Arvin and south of the City of Bakersfield. Lamont is an unincorporated county island that has historically been underserved by the Kern County Planning Department. The community of Lamont is located South of Mountain View Rd and North of Buena Vista Blvd. Lamont is also East of Fairfax Rd and West of Vineland Rd. Lamont and Arvin would like to be nominated as one community for CAPP purposes.

Description of the community: Lamont's is made up of 95% Latino/Hispanic, 3% White, and 2% Other. Homes are less than 40% occupant-owned and the vast majority are owned by investors living outside Lamont. The median household income is only \$34,000.00. The majority of Lamont residents are employed by major agricultural companies operating in the region.

Air pollution concern: Lamont is an Environmental Justice community as evidenced by decades of elected officials prioritizing major industries over public health and resident wellness. As a rural, disadvantaged and historical farm-working community, it has been at the forefront of environmental racism and poor land-use practices. Lamont is surrounded on all sides by agricultural lands and is heavily impacted by pesticides in Kern County. Lamont is also directly downwind from one of the largest oil & gas refineries in the county. Lamont suffers from some of the worst environmental conditions in all the state. PM2.5 levels are worst in the nation. The water has been heavily polluted by historic misuse of pesticides and oil and gas by-products.

There is a long-awaited need for betterment and change in the community of Lamont.



## Arvin

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Community location: The City of Arvin is located in South Kern County and is one of the southernmost communities in Kern County before the Grapevine communities. At the bottom of the air basin and surrounded by mountains on three sides, the City of Arvin bears the brunt of the San Joaquin Valley's regional air pollution. It is also surrounded by heavy agriculture and oil & gas production. The community of Arvin is defined by the sphere of influence surrounding the community. Arvin is located East of Ranchero Rd and West of Tower Line Rd, South of Sunset Blvd & North of Beckett Blvd. Arvin City Council is composed of all Latinos and majority millennials. Lamont and Arvin would like to be nominated as one community for CAPP purposes.

Description of the community: The City of Arvin is in South Kern County and is populated by 21,000 residents. 90% of residents are Latinos/Hispanic and 10% are White, African-American, Asian American & others. The Median household income in Arvin is \$32,000. Income is derived mainly from agricultural work in the surrounding fields. The City of Arvin's housing stock is noteworthy; more than 50% of people live in rented homes and less the 45% of Arvin residents own their own homes.

An environmental justice revolution was ignited the City of Arvin, leading to Arvin residents standing up and speaking up for their community. Arvin has an active group of residents that have mapped and tracked local pollution and even created partnerships with neighboring industries. Arvin volunteer residents have been leading grassroots, environmental justice projects for a least a decade. The City's history of activism is reflected in the makeup of the City Council, which is formed of all Latinos and 4 out of 5 members are millennials.

Air pollution concern: The City of Arvin is completely surrounded by agriculture and is one of the locations that uses the most pesticides on a yearly basis. Arvin also has a long history with oil & gas producers, mostly small producers that generate low volumes of crude oil but large amounts of air toxins.

## *Appendices*

**2019 COMMUNITY SCORING SUMMARY**

<i>Central Stockton (URBAN)</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVERAGE	WEIGHTED
POPULATION CHARACTERISTICS (10%)	1.0		2.0	3.0	3.5	3.5	2.5	4.5	3.5	5.0	4.0	4.0	1.0	4.5	4.5	3.5	3.5			2.5	4.0	2.5	0.0	3.1	3.1
REGIONAL AIR POLLUTION (10%)	2.0		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	1.0	2.0			0.0	2.0	1.0	1.0	1.7	1.7
LOCAL AIR POLLUTION (10%)	0		0	2	2	0	1	0	1	0	0	0	4	4	0	0	0			2	0	5	5	1.3	1.3
HEALTH (20%)	3.3		3.0	3.2	3.3	2.0	2.3	4.8	4.0	3.0	3.2	2.0	3.5	3.3	3.8	5.0	3.0			3.8	3.0	3.0	2.3	3.3	6.5
CAPACITY (50%)																								4.0	20.0
<b>TOTAL SCORE: Stockton</b>																									<b>32.6</b>
<i>Arvin-Lamont (RURAL)</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVERAGE	WEIGHTED
POPULATION CHARACTERISTICS (10%)	2.0	4.0	2.5	4.5	3.0	5.0	3.5	4.5																3.6	3.6
REGIONAL AIR POLLUTION (10%)	5.0	5.0	4.5	5.0	5.0	5.0	5.0	5.0																4.9	4.9
LOCAL AIR POLLUTION (10%)	11.0	1.5	3.0	2.5	4.0	3.0	5.0	3.0																4.1	4.1
HEALTH (20%)	1.8	0.5	0.0	0.0	0.0	1.0	0.5	0.0																0.5	0.9
CAPACITY (50%)																								4.0	20.0
<b>TOTAL SCORE: Arvin-Lamont</b>																									<b>33.6</b>
<i>South Tulare (URBAN)</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVERAGE	WEIGHTED
POPULATION CHARACTERISTICS (10%)	4.5		4.5	3.0	3.0	2.0																		3.4	3.4
REGIONAL AIR POLLUTION (10%)	3.5		3.5	3.5	4.5	3.5																		3.7	3.7
LOCAL AIR POLLUTION (10%)	1		1	5	5.0	1.0																		2.6	2.6
HEALTH (20%)	2.0		3.8	2.5	1.0	2.5																		2.4	4.7
CAPACITY (50%)																								3.0	15.0
<b>TOTAL SCORE: Tulare</b>																									<b>29.4</b>
<i>South Merced (URBAN)</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVERAGE	WEIGHTED
POPULATION CHARACTERISTICS (10%)	2.0	1.0	2.0	2.0	1.5	4.0	4.0	5.0	3.0															2.7	2.7
REGIONAL AIR POLLUTION (10%)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0															3.0	3.0
LOCAL AIR POLLUTION (10%)	3.0	2.0	3.0	3.0	2.0	2.0	0.0	0.0	2.0															1.9	1.9
HEALTH (20%)	3.0	3.3	4.2	3.2	1.5	3.2	3.5	3.3	2.2															3.0	6.1
CAPACITY (50%)																								2.0	10.0
<b>TOTAL SCORE: Merced</b>																									<b>23.7</b>

*Individual Indicators*

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**POPULATION CHARACTERISTICS (10%)**

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Poverty (CES3.0)

Linguistic Isolation (CES3.0)

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**REGIONAL AIR POLLUTION (10%)**

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PM2.5 (CES3.0)

Ozone (CES3.0)

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**LOCAL AIR POLLUTION (10%)**

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Diesel PM (CES3.0)

Pesticides (CES3.0)

PM2.5 Stationary Sources (SJVAPCD)

Oil & Gas (DOGGR)

Dairies (CA Water Board)

*Individual Indicators*

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**HEALTH (20%)**

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Asthma ED rate (CES3.0)

Heart Attack ED rate (CES3.0)

Low Birth Weight (CES3.0)

Life Expectancy (HPI)

Diabetes (HPI - urban only)

Obesity (HPI - urban only)

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**CAPACITY (50%)**

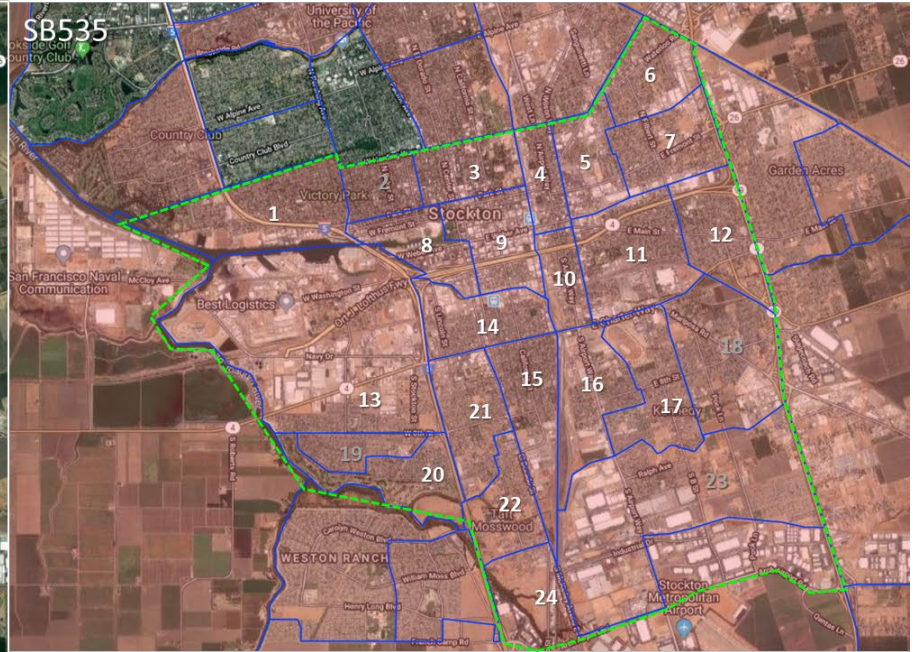
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Number of engaged CBOs (SJV EJ SC)

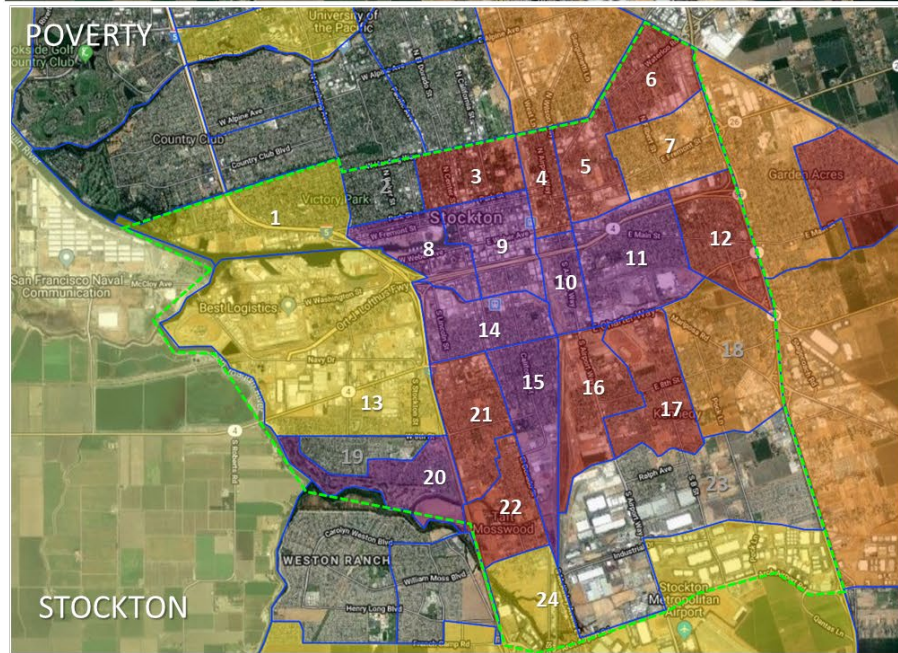
CES or HPI statewide rank	SCORE	PM2.5 Emissions	SCORE
75th percentile	1	1-2 tons/year	1
80th percentile	2	3-5 tons/year	2
85th percentile	3	6-10 tons/year	3
90th percentile	4	11-15 tons/year	4
95th percentile	5	> 15 tons/year	5



STOCKTON

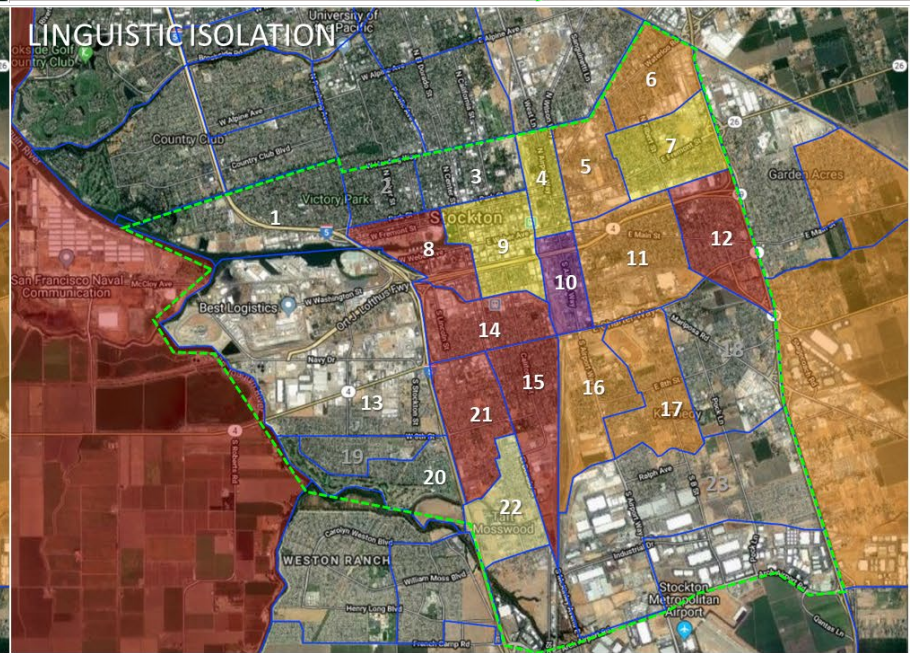


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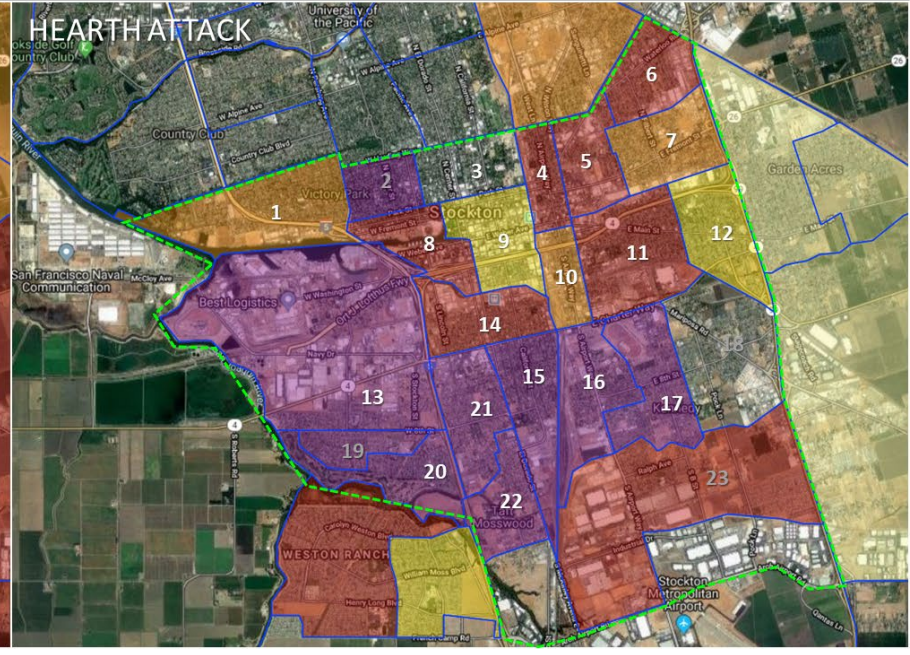
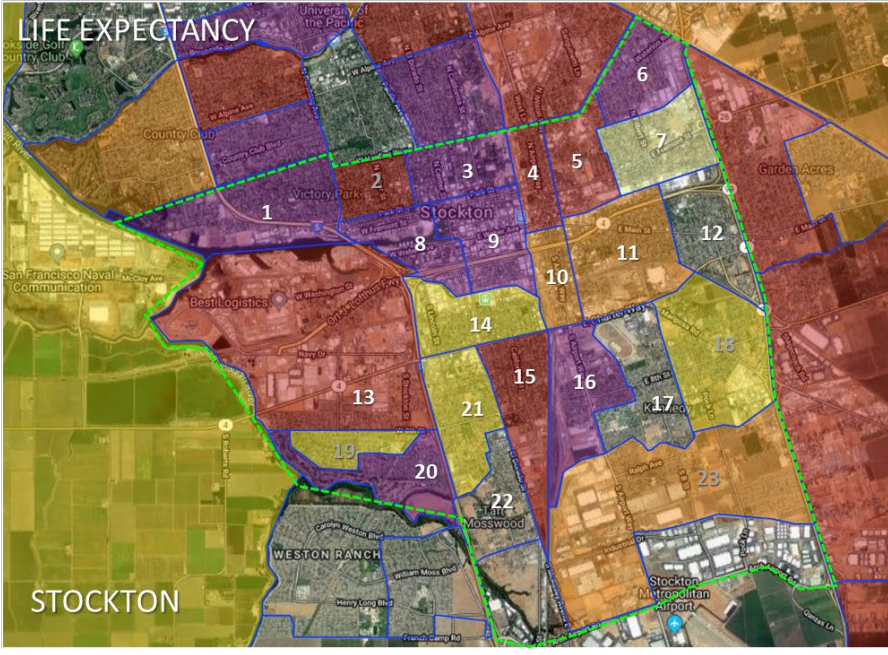
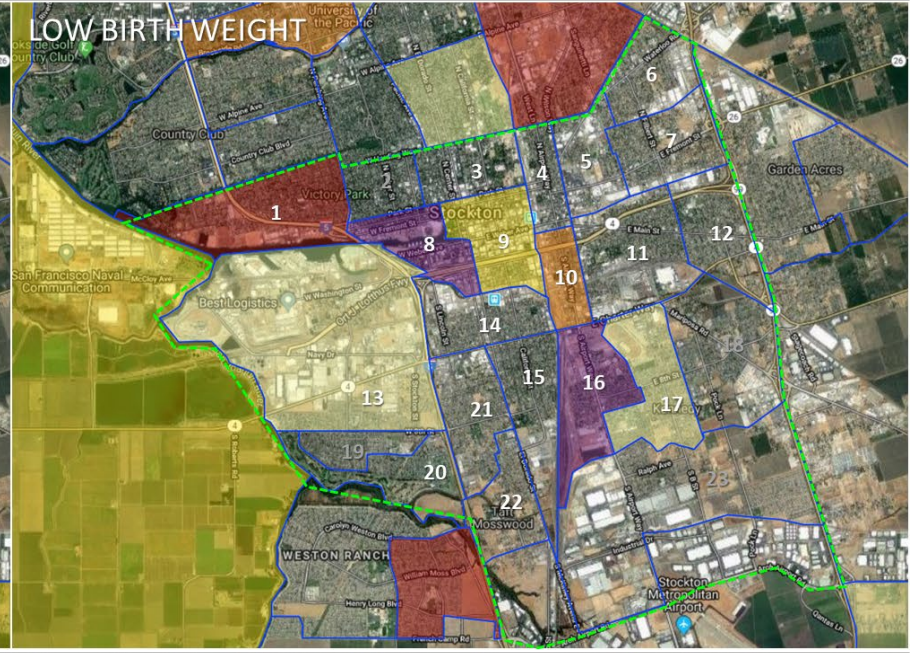
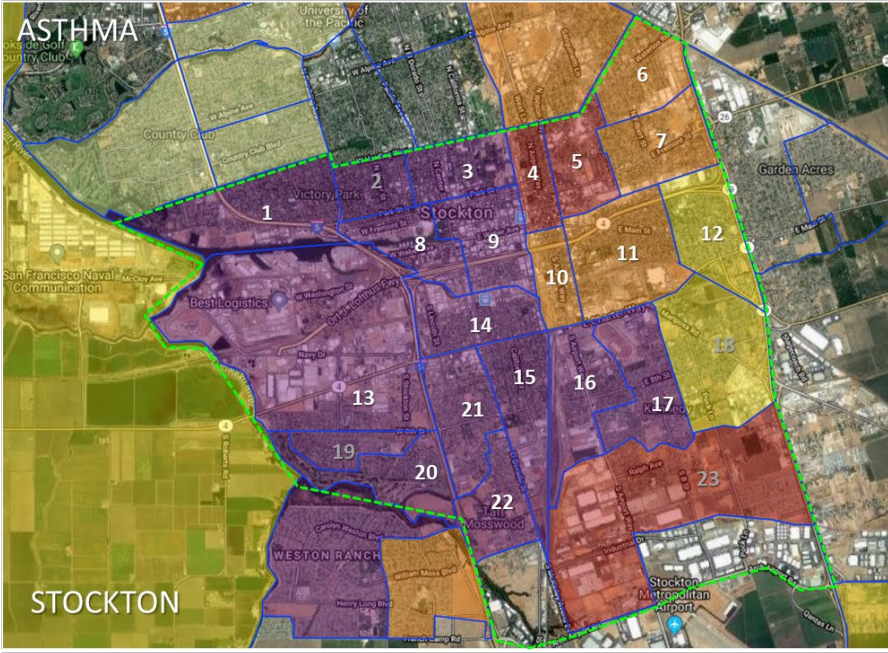


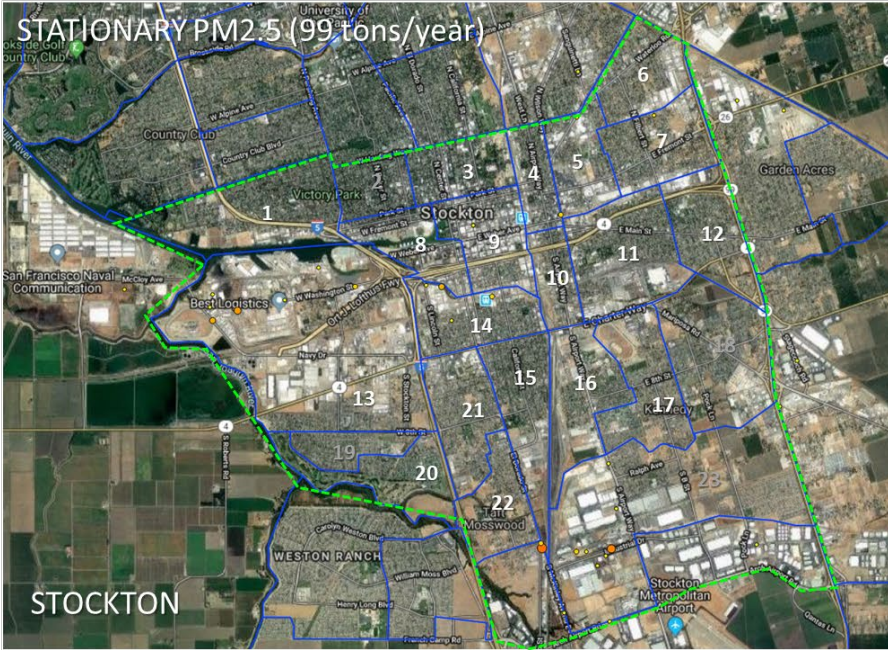
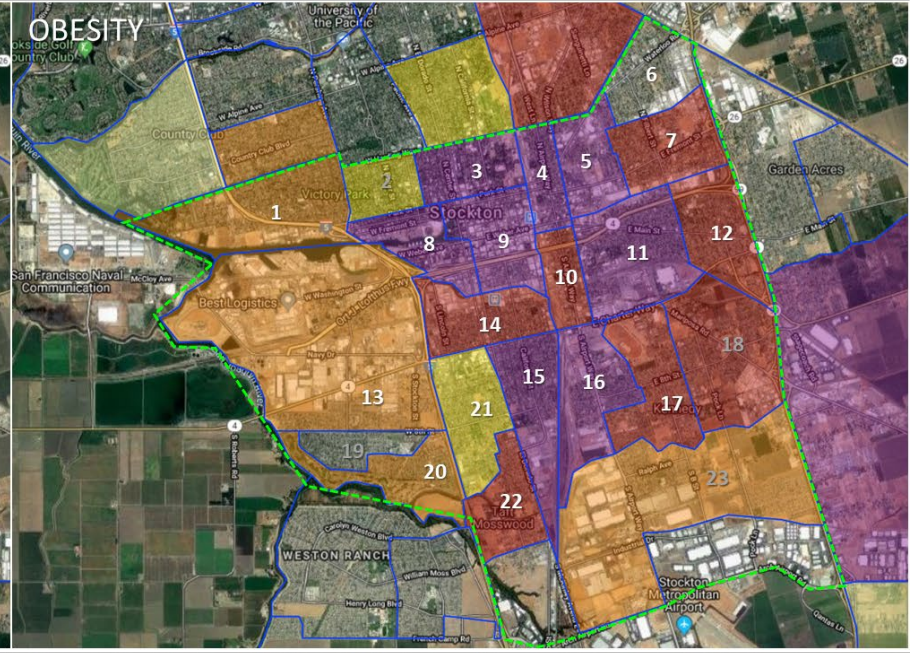
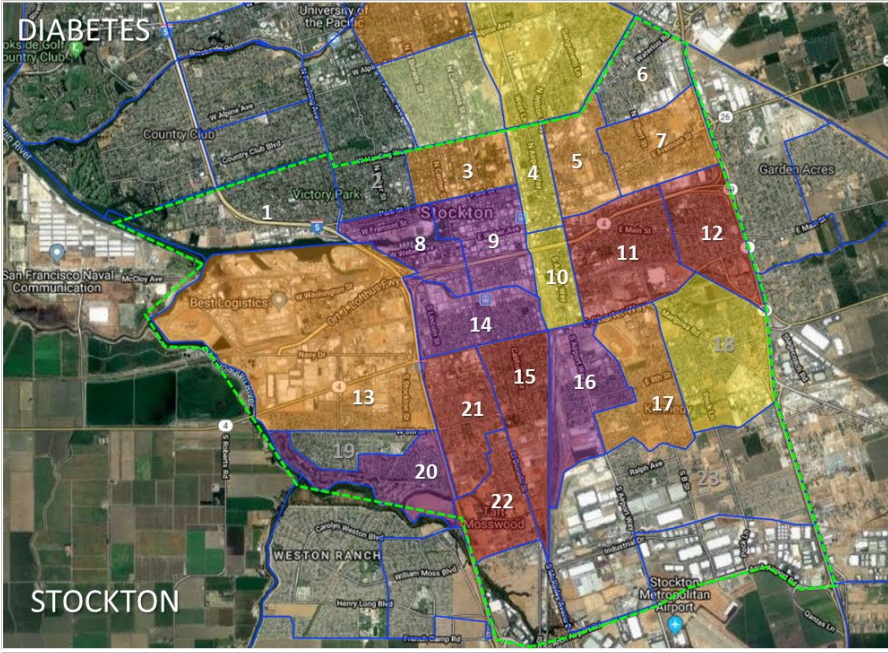
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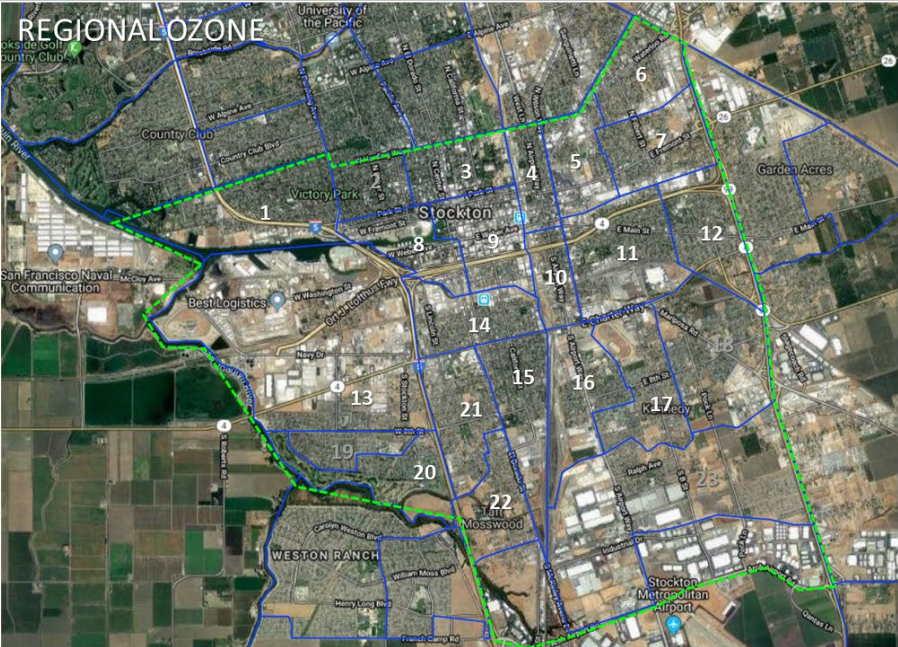
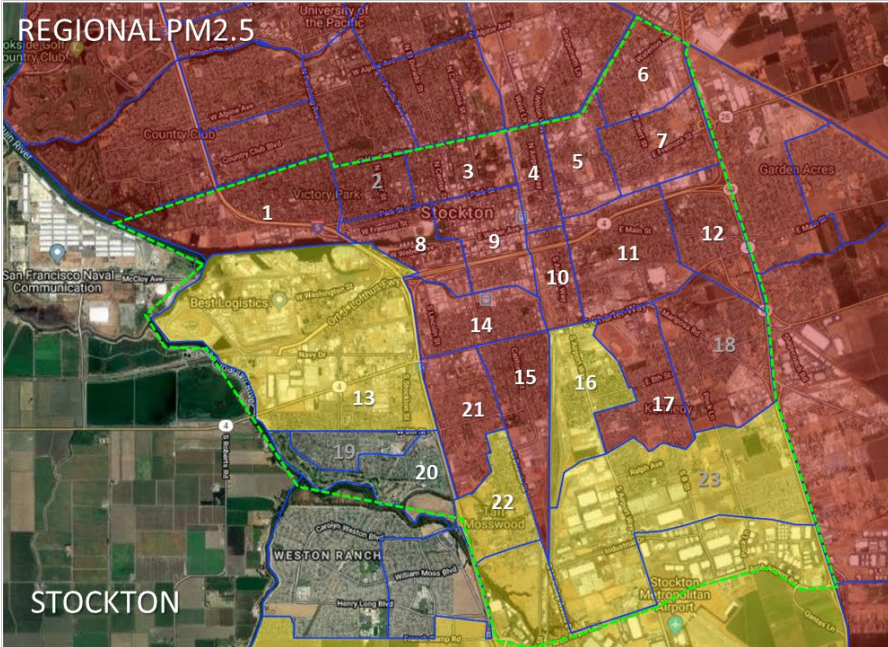
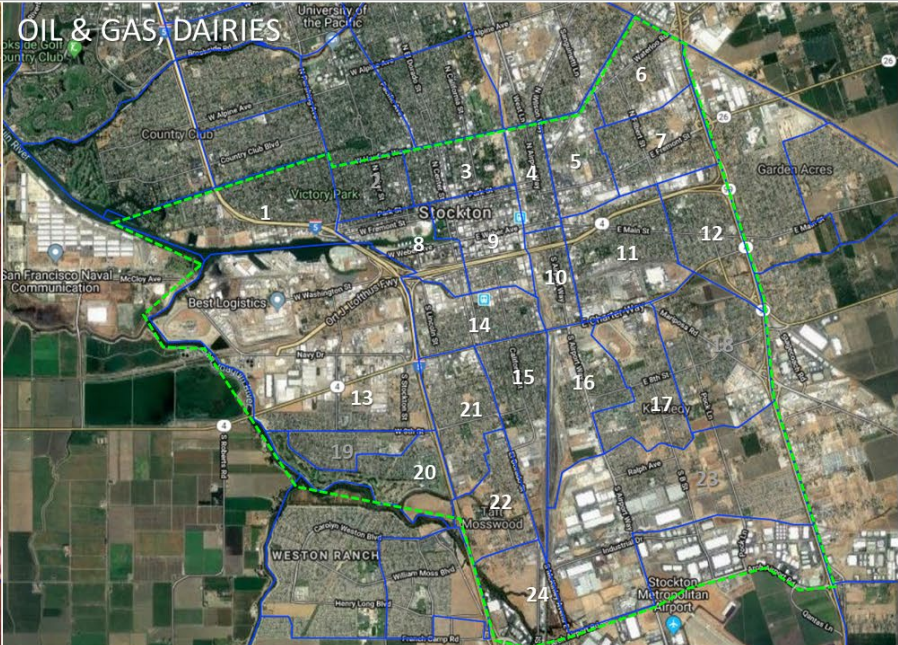
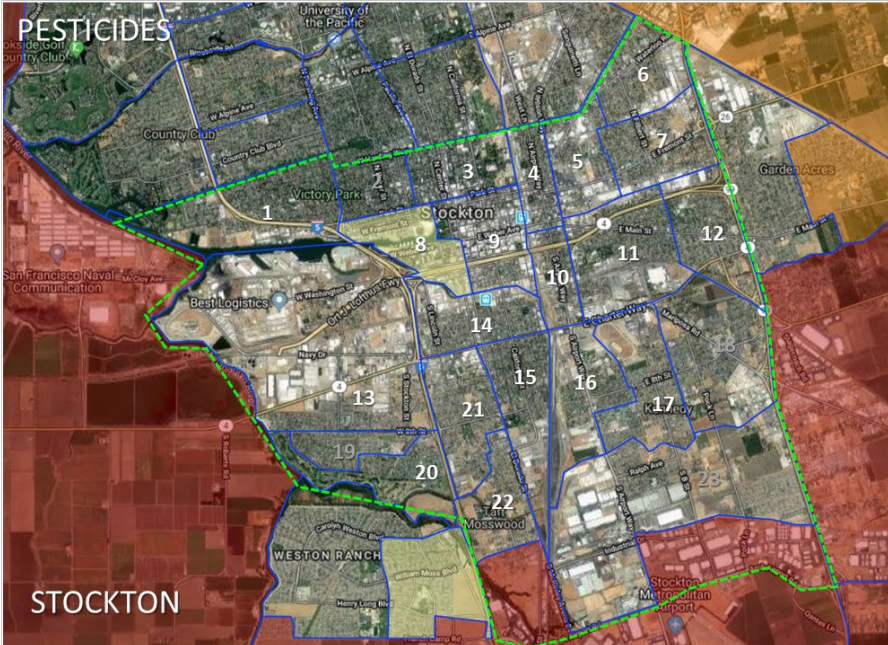
STOCKTON



LINGUISTIC ISOLATION





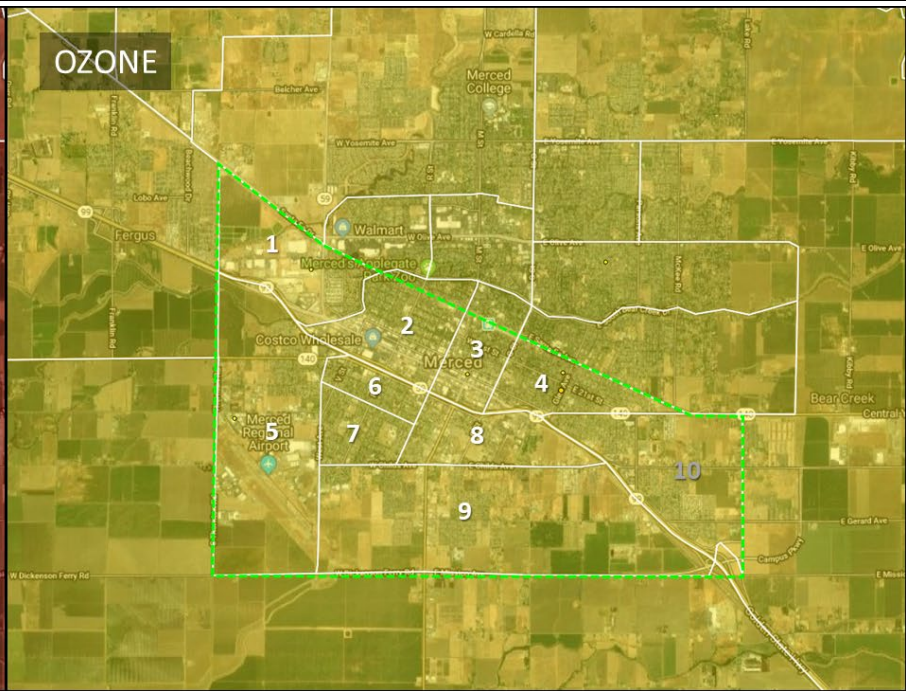
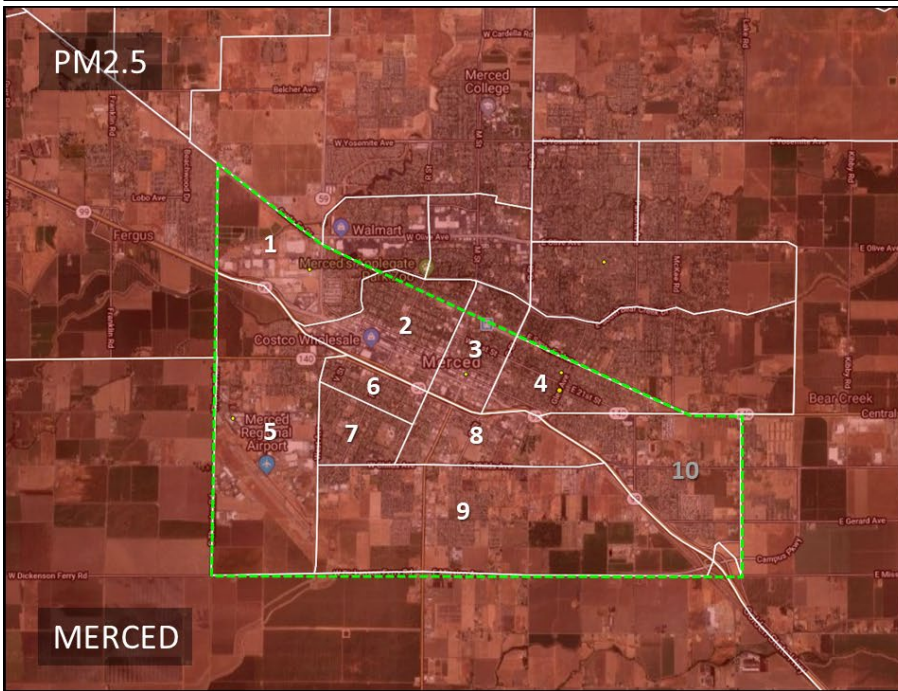
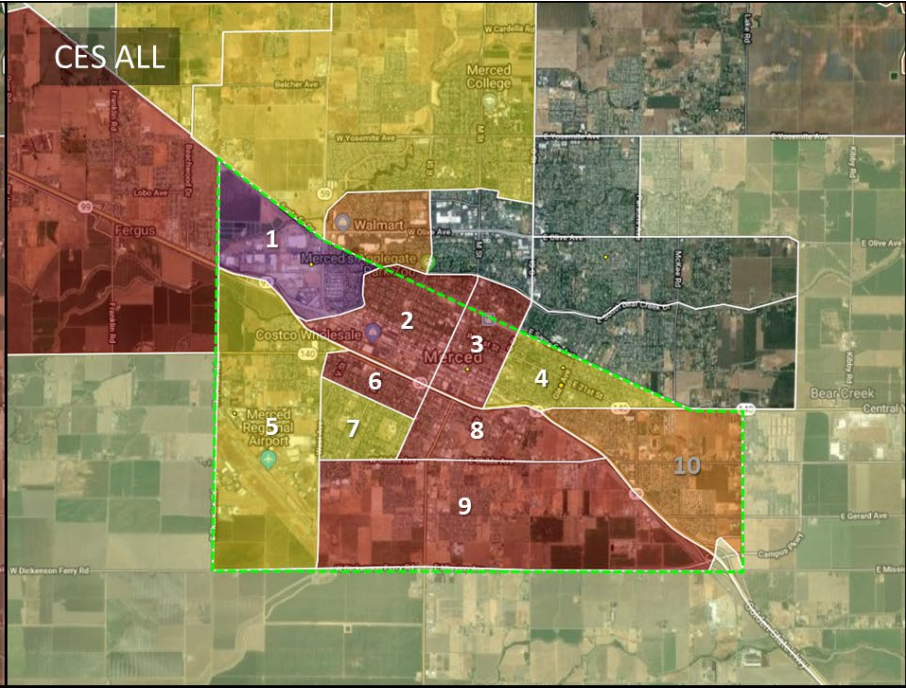
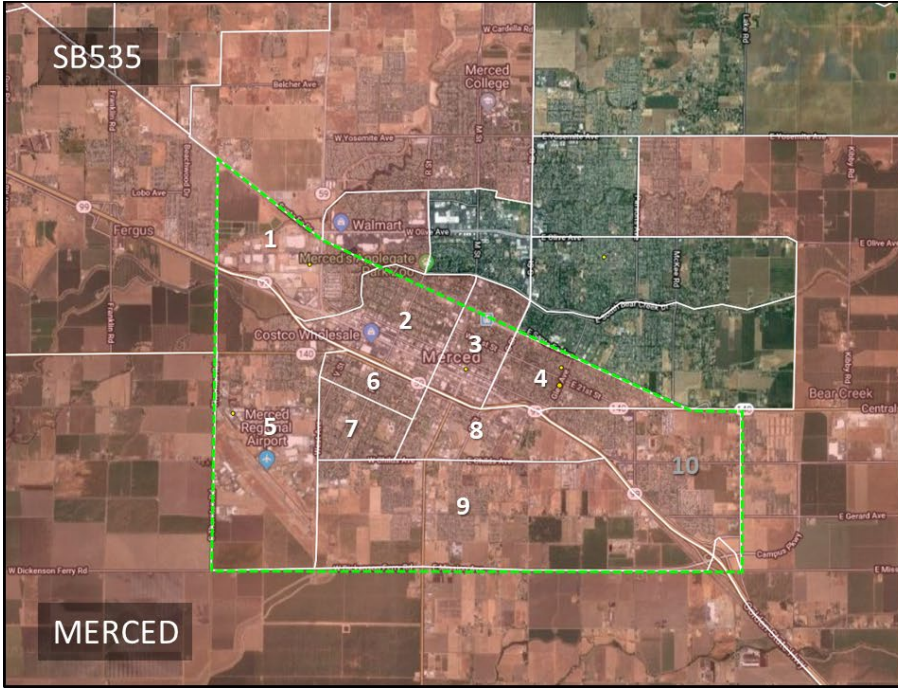


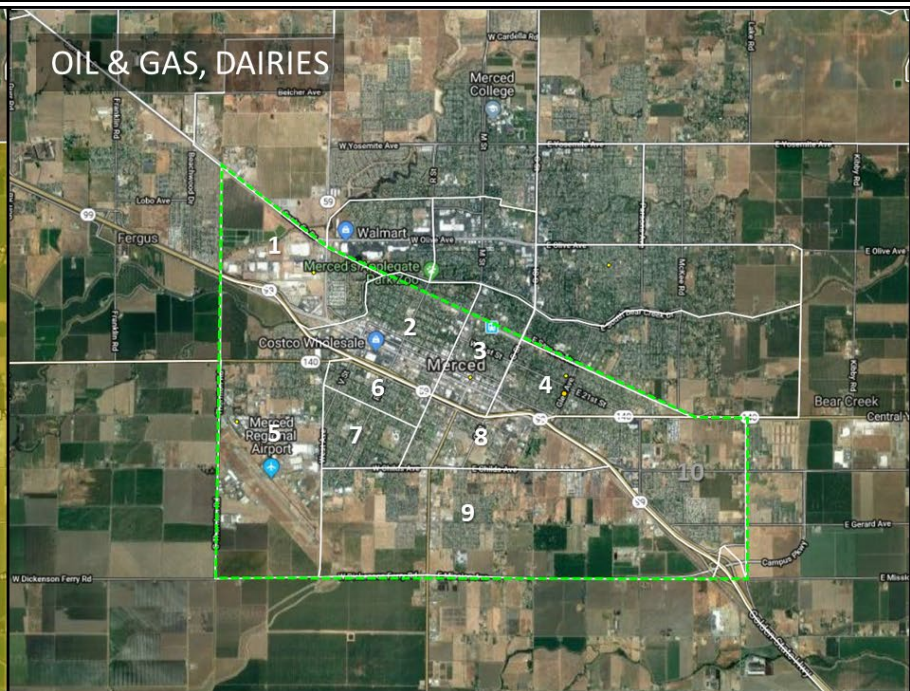
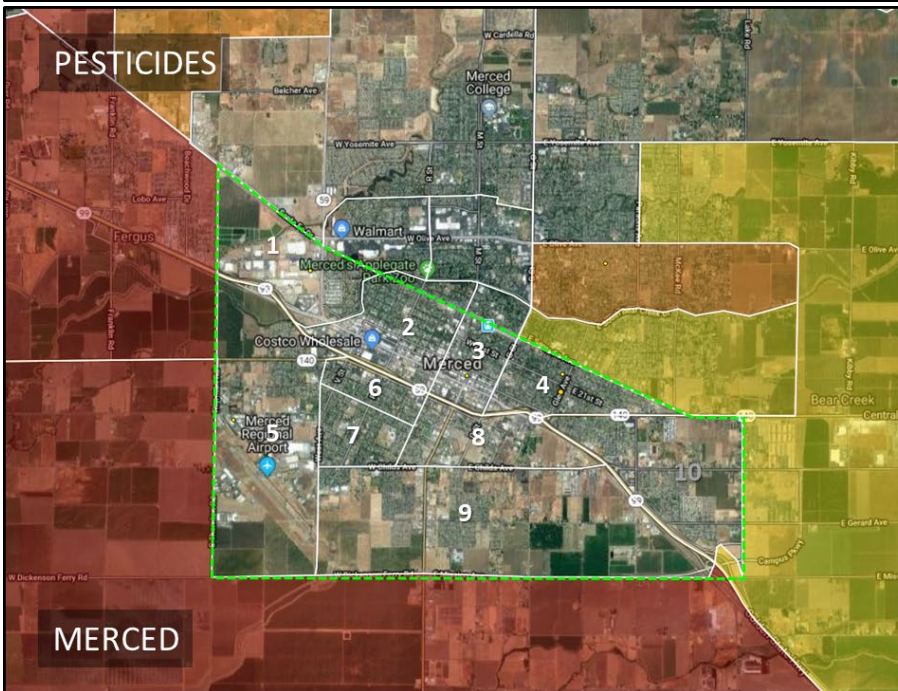
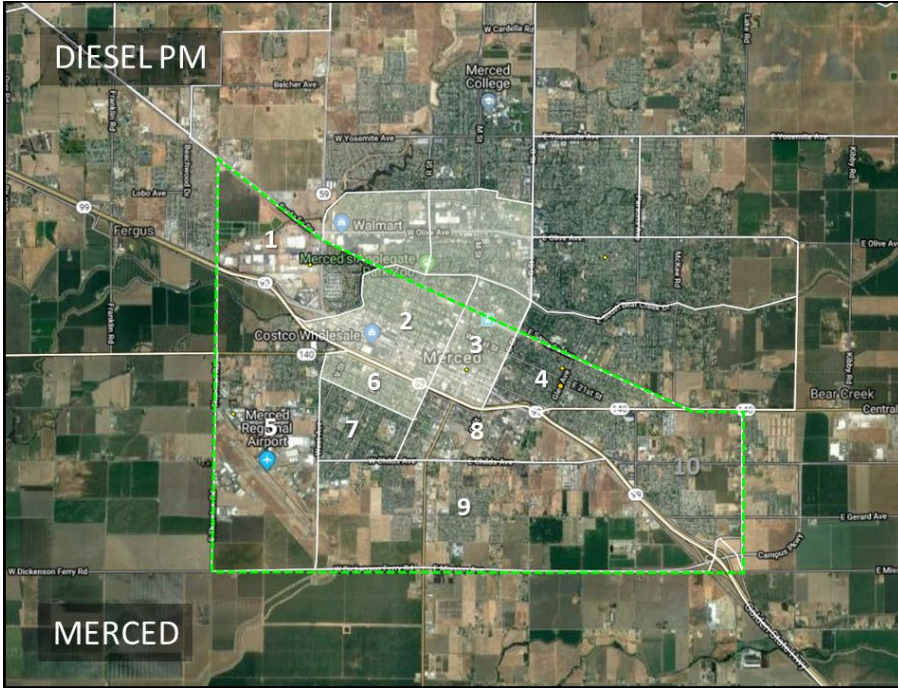
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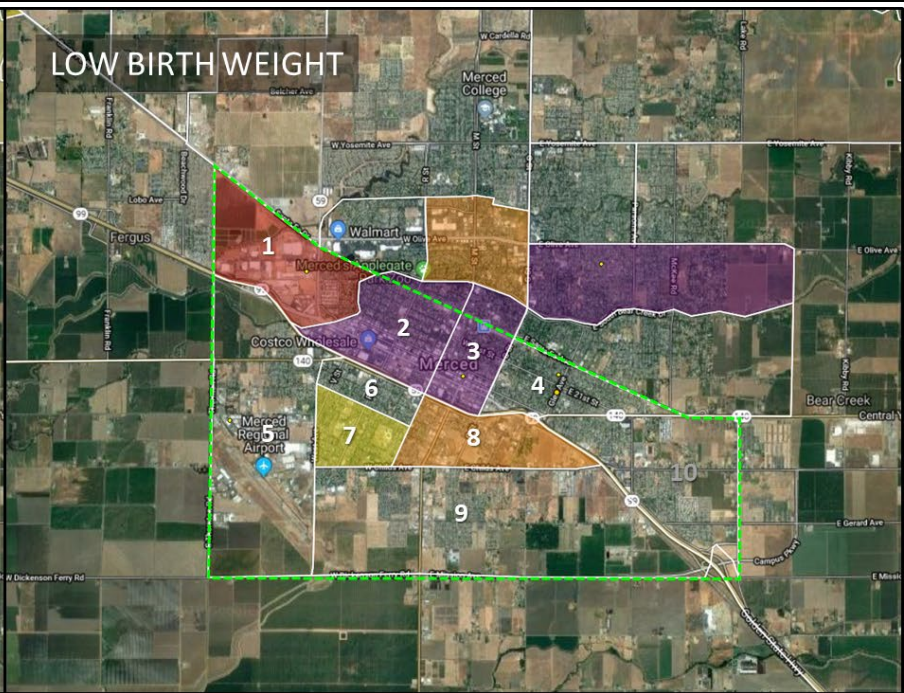
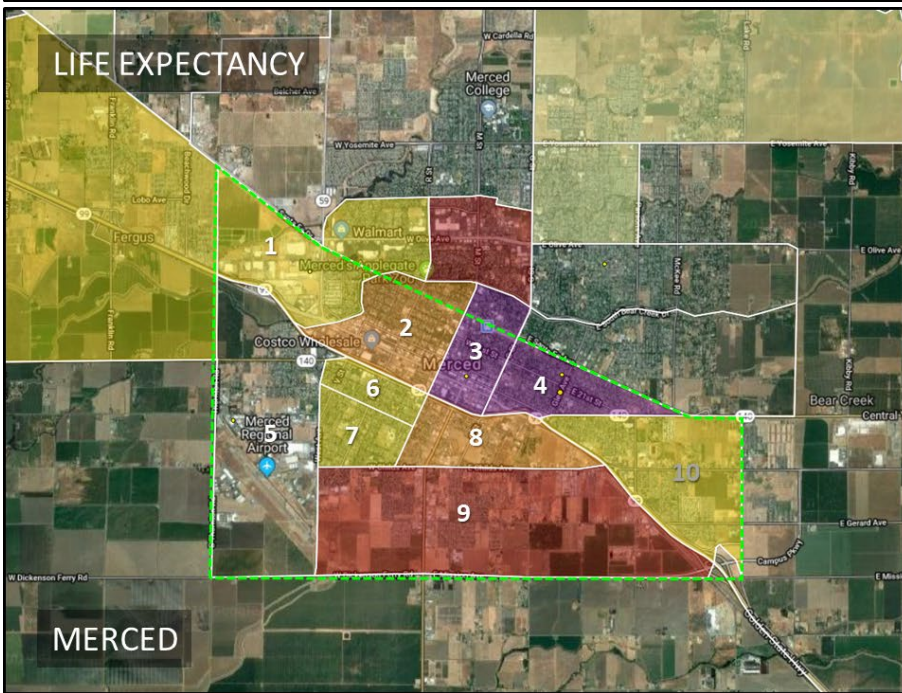
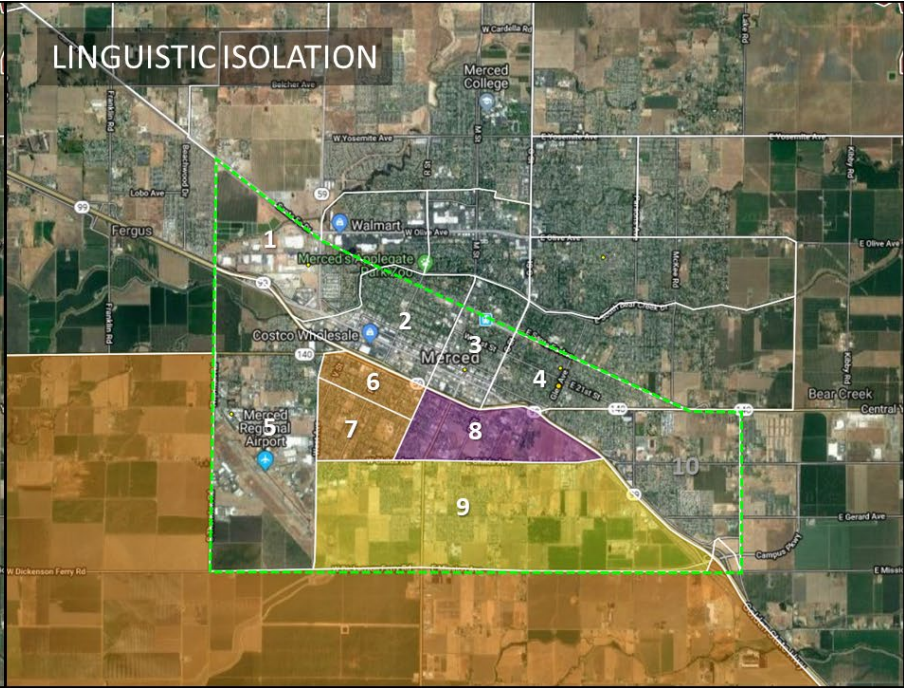
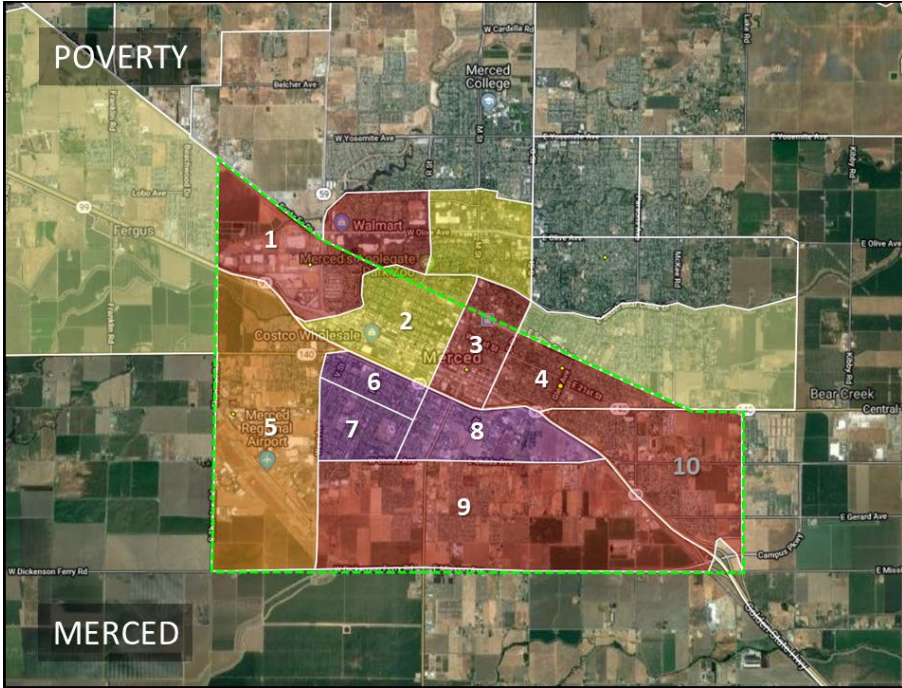
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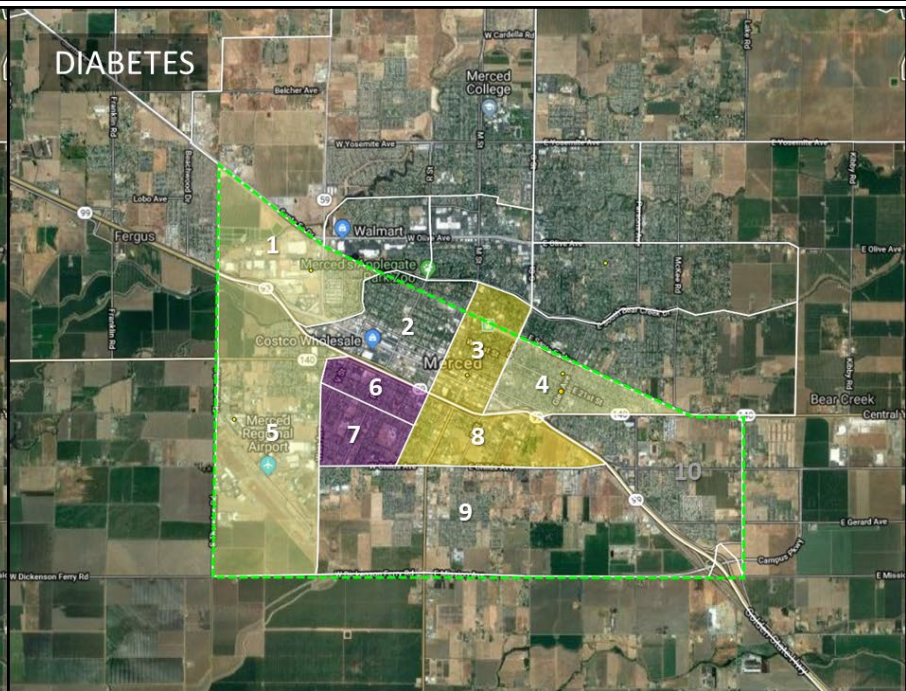
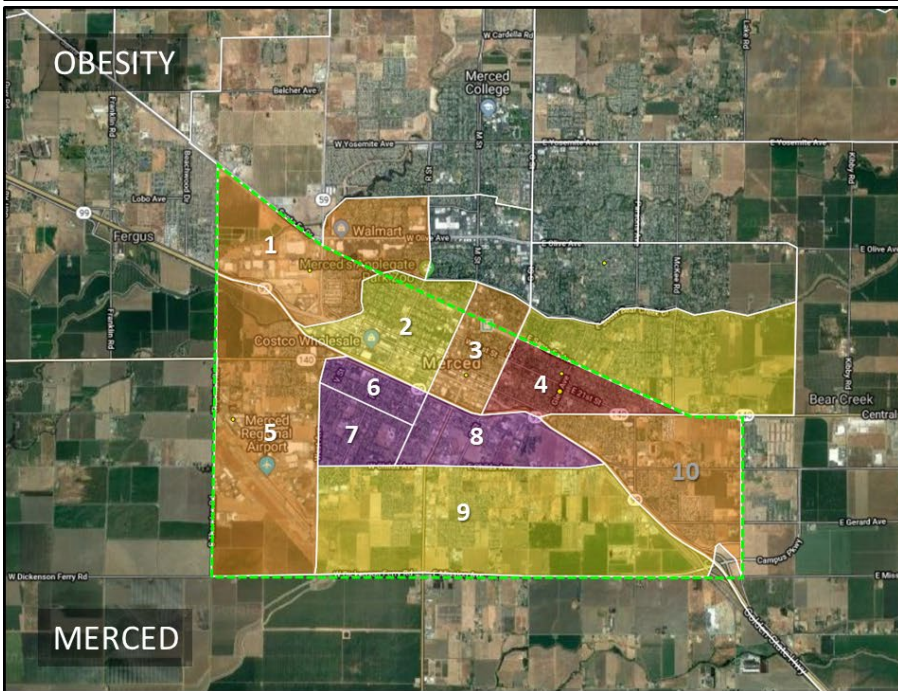
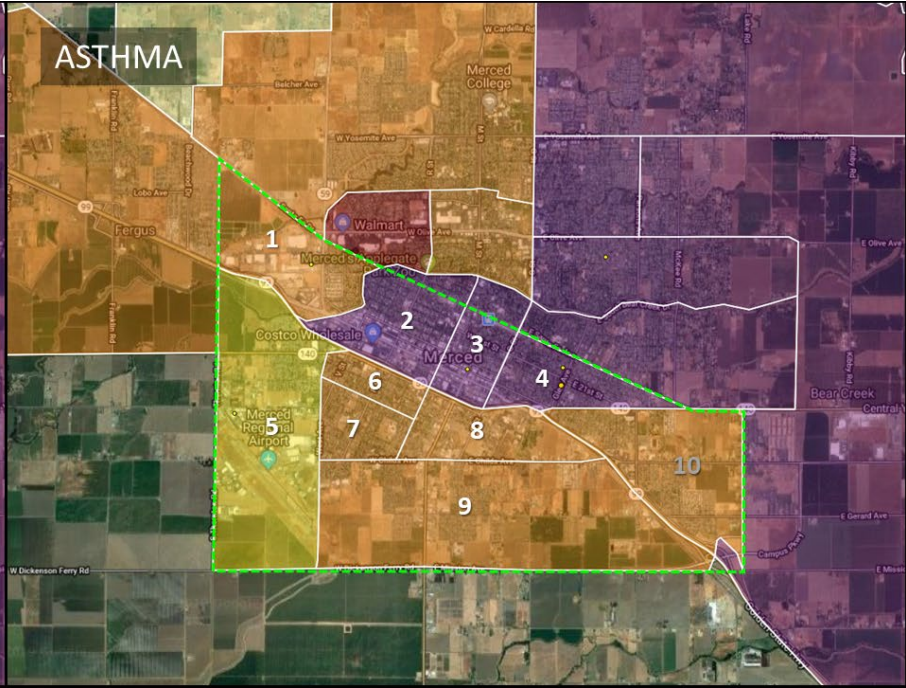
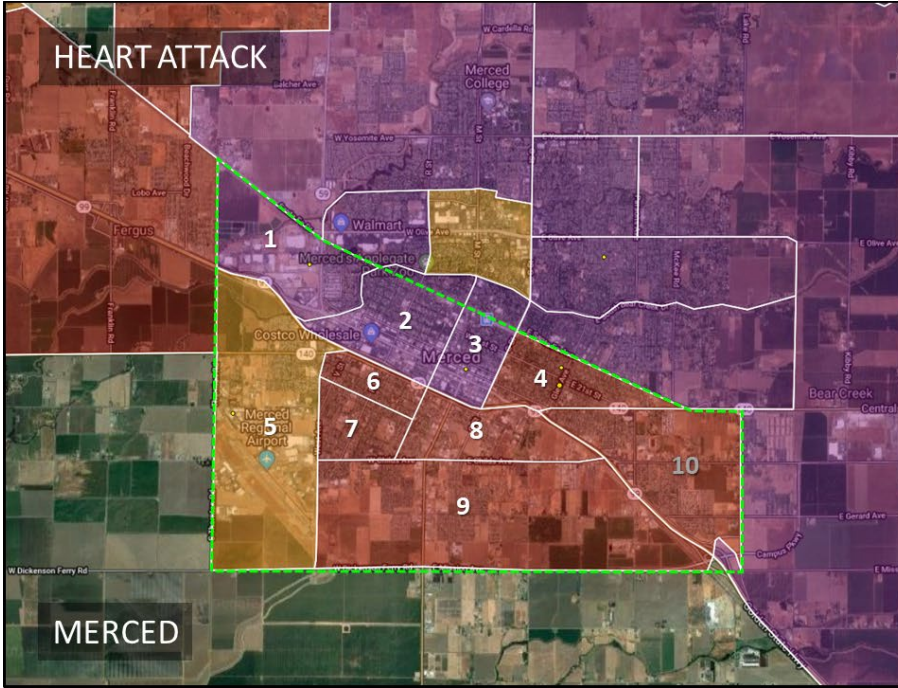
	STOCKTON CENSUS TRACTS (map ID #)																							AVERAGE	WEIGHTED
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
<b>POPULATION CHARACTERISTICS (10%)</b>	<b>1.0</b>	<b>2.0</b>	<b>3.0</b>	<b>3.5</b>	<b>3.5</b>	<b>2.5</b>	<b>4.5</b>	<b>3.5</b>	<b>5.0</b>	<b>4.0</b>	<b>4.0</b>	<b>1.0</b>	<b>4.5</b>	<b>4.5</b>	<b>3.5</b>	<b>3.5</b>				<b>2.5</b>	<b>4.0</b>	<b>2.5</b>	<b>0.0</b>	<b>3.1</b>	<b>3.1</b>
Poverty	2	4	4	4	4	3	5	5	5	5	4	2	5	5	4	4				5	4	4	0		
Linguistic Isolation	0	0	2	3	3	2	4	2	5	3	4	0	4	4	3	3				0	4	1	0		
<b>REGIONAL AIR POLLUTION (10%)</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>1.0</b>	<b>2.0</b>	<b>2.0</b>	<b>1.0</b>	<b>2.0</b>				<b>0.0</b>	<b>2.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.7</b>	<b>1.7</b>
PM2.5	4	4	4	4	4	4	4	4	4	4	4	2	4	4	2	4				0	4	2	2		
Ozone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0		
<b>LOCAL AIR POLLUTION (10%)</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>2.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4.0</b>	<b>4.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>				<b>2.0</b>	<b>0.0</b>	<b>5.0</b>	<b>5.0</b>	<b>1.3</b>	<b>1.3</b>
Diesel PM												2								2					
PM2.5 Stationary Sources			2	2		1		1					4		4							5	5		
Pesticides												4													
Oil&Gas																									
Dairies																									
<b>HEALTH (20%)</b>	<b>3.3</b>	<b>3.0</b>	<b>3.2</b>	<b>3.3</b>	<b>2.0</b>	<b>2.3</b>	<b>4.8</b>	<b>4.0</b>	<b>3.0</b>	<b>3.2</b>	<b>2.0</b>	<b>3.5</b>	<b>3.3</b>	<b>3.8</b>	<b>5.0</b>	<b>3.0</b>				<b>3.8</b>	<b>3.0</b>	<b>3.0</b>	<b>2.3</b>	<b>3.3</b>	<b>6.5</b>
Asthma ED rate	5	5	4	4	3	3	5	5	3	3	2	5	5	5	5	5				5	5	5	4		
Heart Attack ED rate	3	0	4	4	4	3	4	2	3	4	2	5	4	5	5	5				5	5	5	4		
Low Birth Weight	4	0	0	0	0	0	5	2	3	0	0	1	0	0	5	1				0	0	0	0		
Life Expectancy	5	5	4	4	5	1	5	5	3	3	0	4	2	4	5	0				5	2	0	3		
Diabetes (urban only)	0	3	2	3	0	3	5	5	2	4	4	3	5	4	5	3				5	4	4	0		
Obesity (urban only)	3	5	5	5	0	4	5	5	4	5	4	3	4	5	5	4				3	2	4	3		
<b>CAPACITY (50%)</b>																								<b>4.0</b>	<b>20</b>
<b>TOTAL SCORE</b>																								<b>32.6</b>	







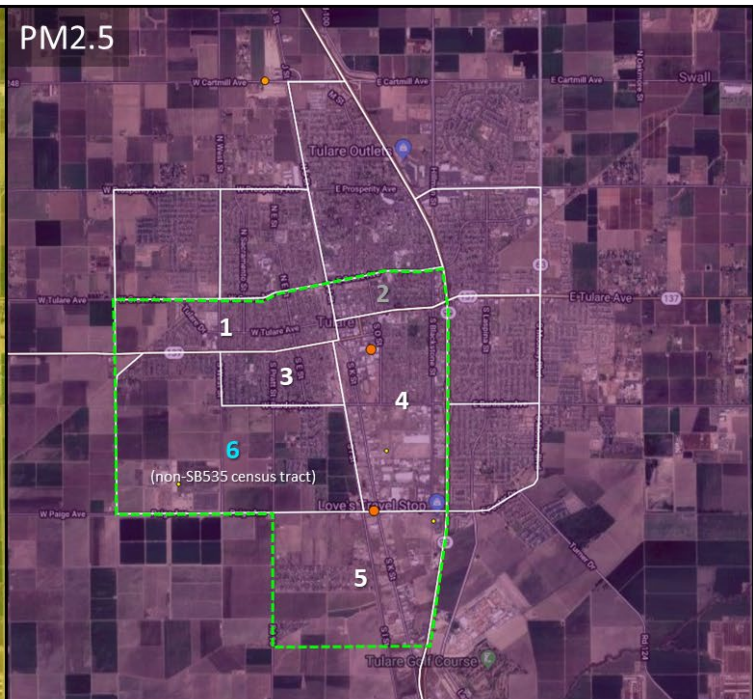
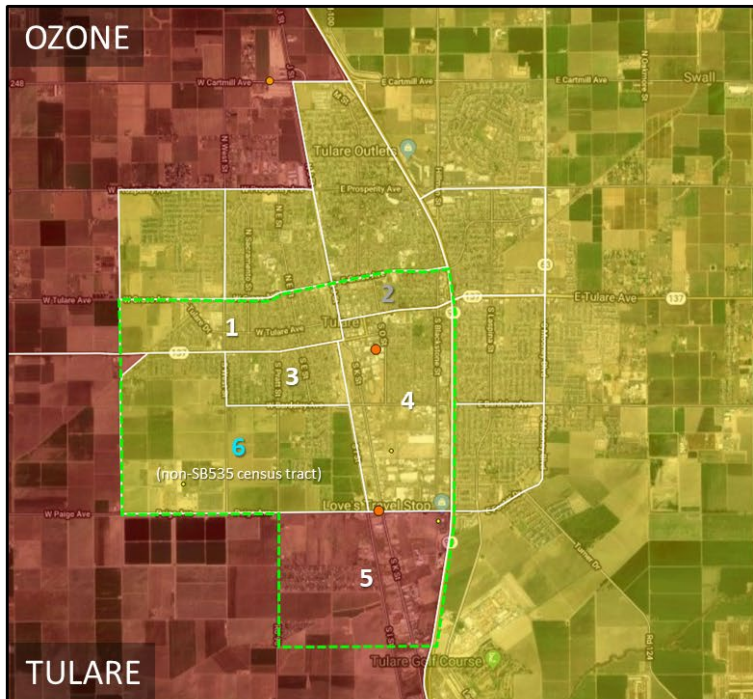
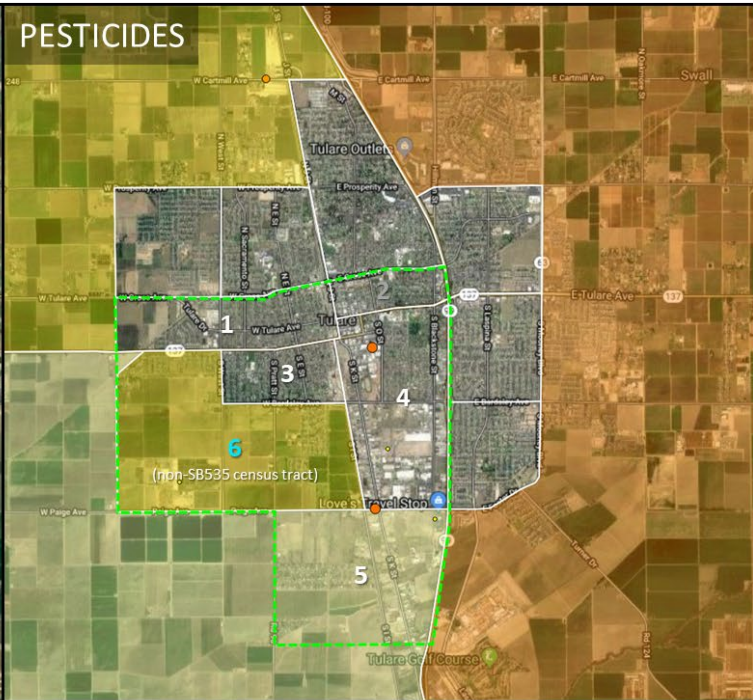
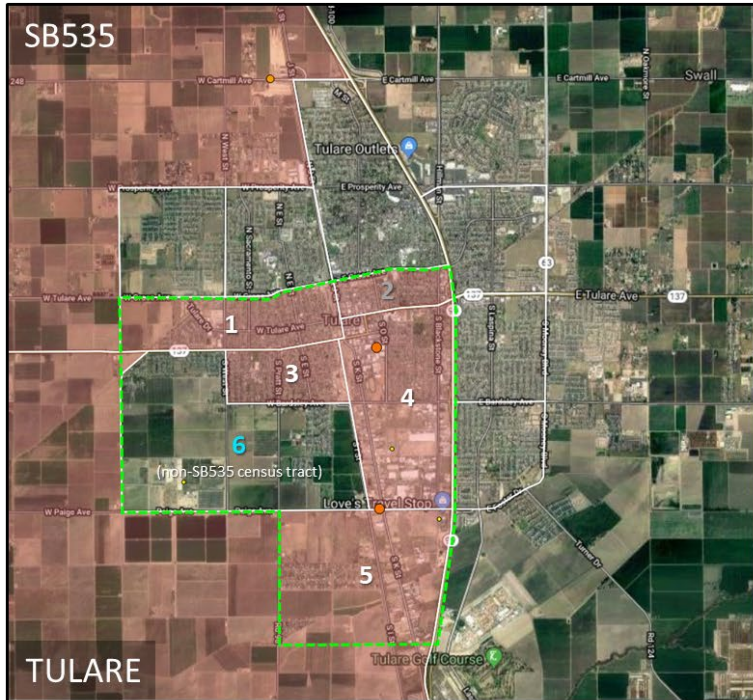


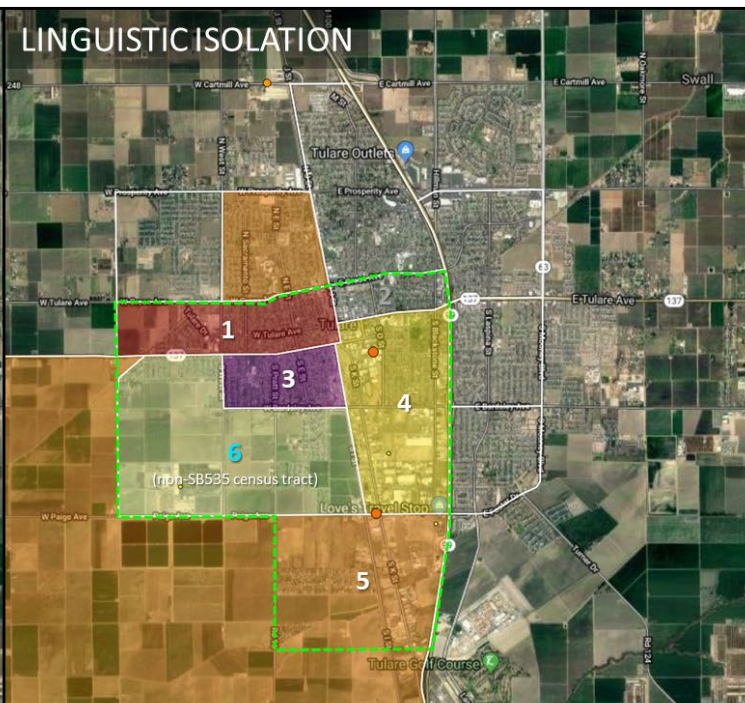
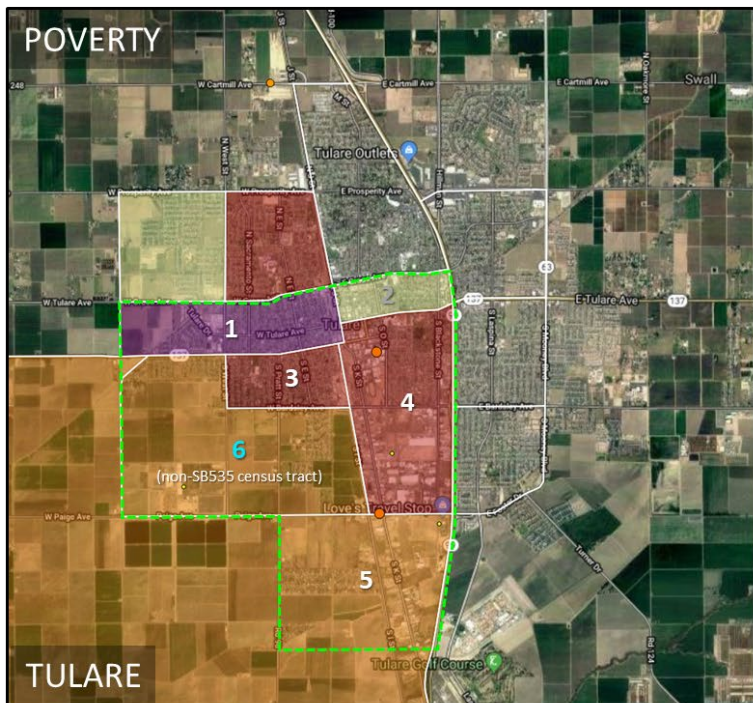
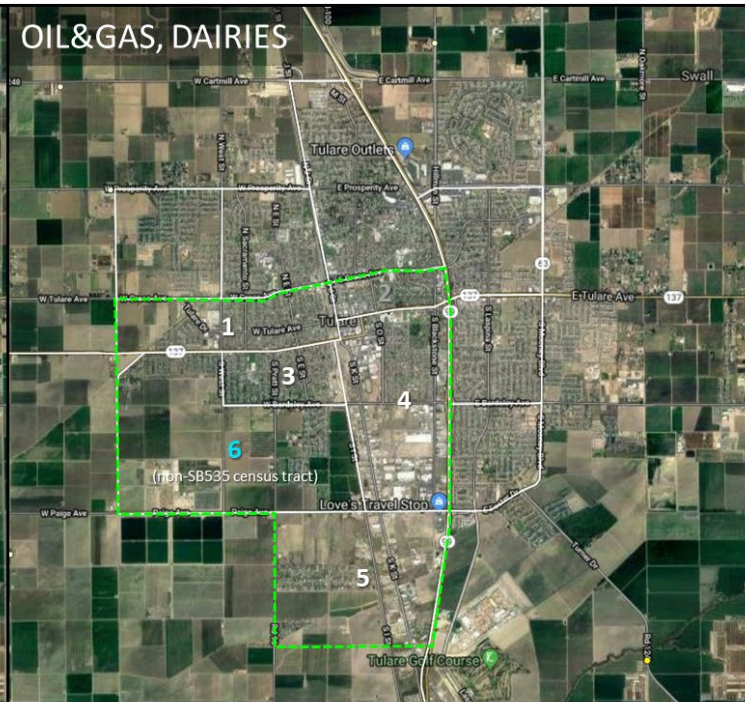
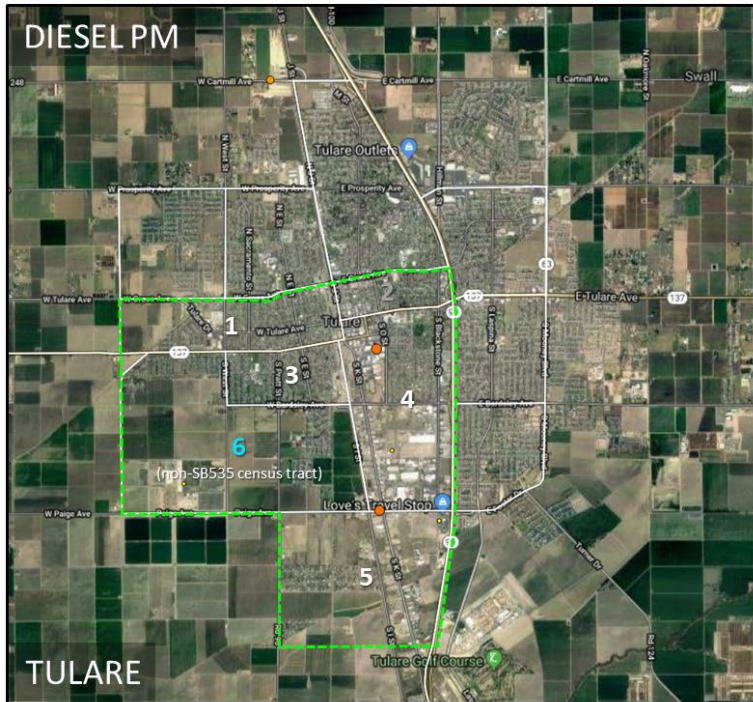


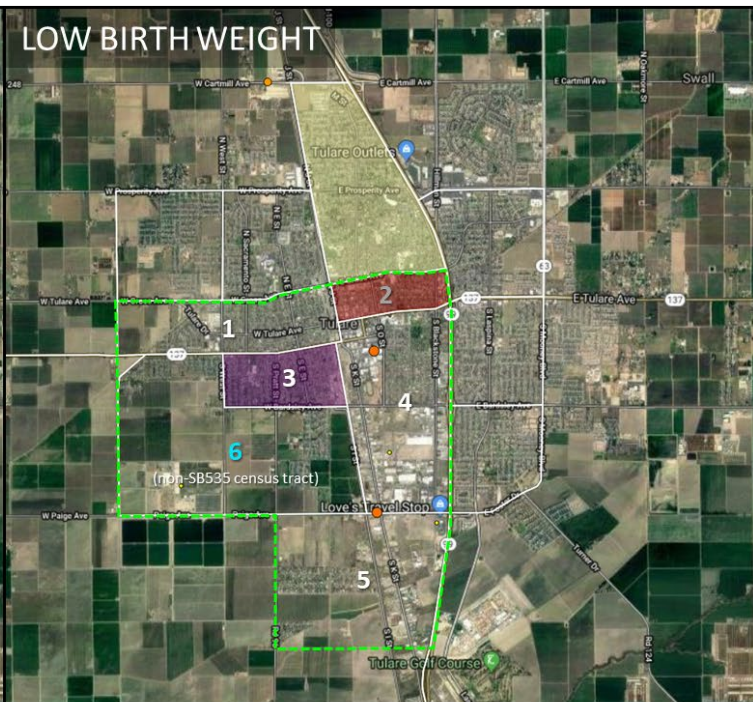
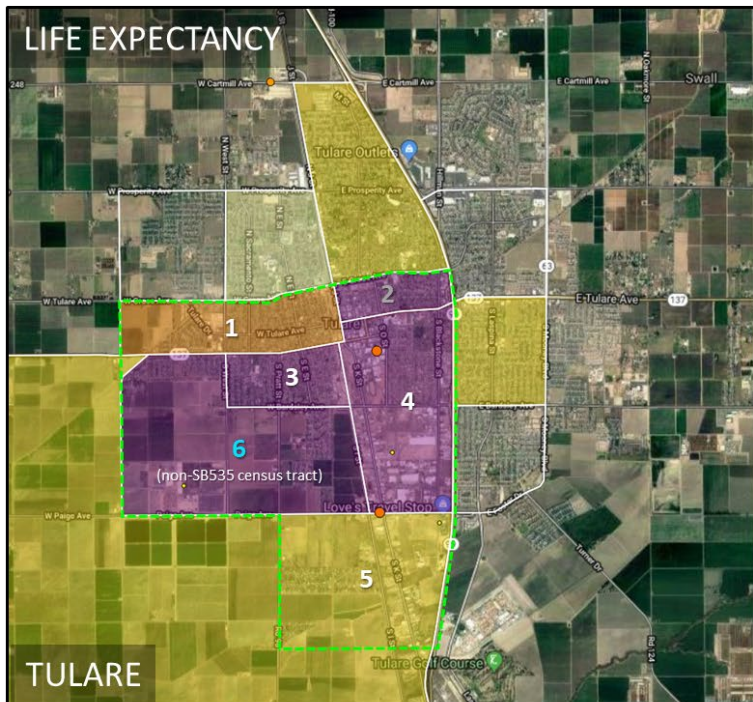
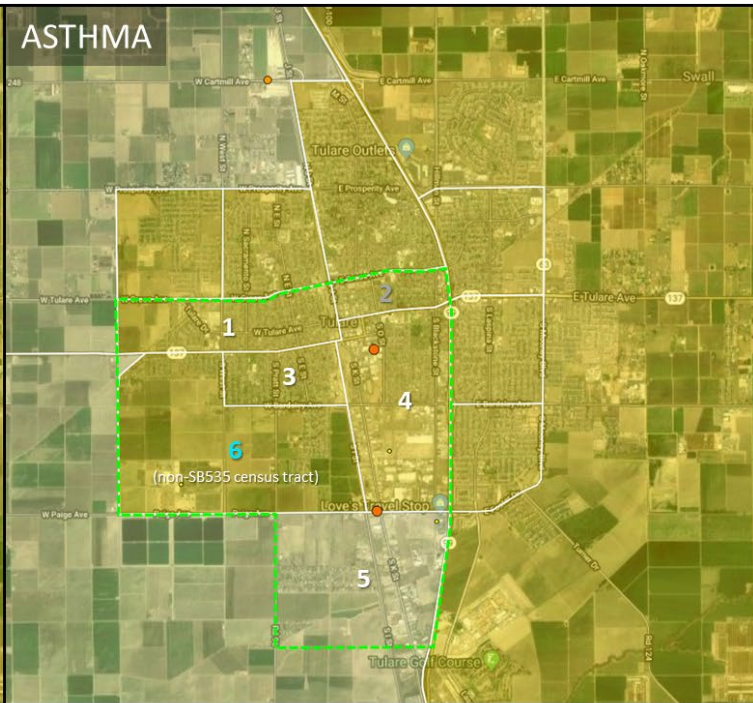
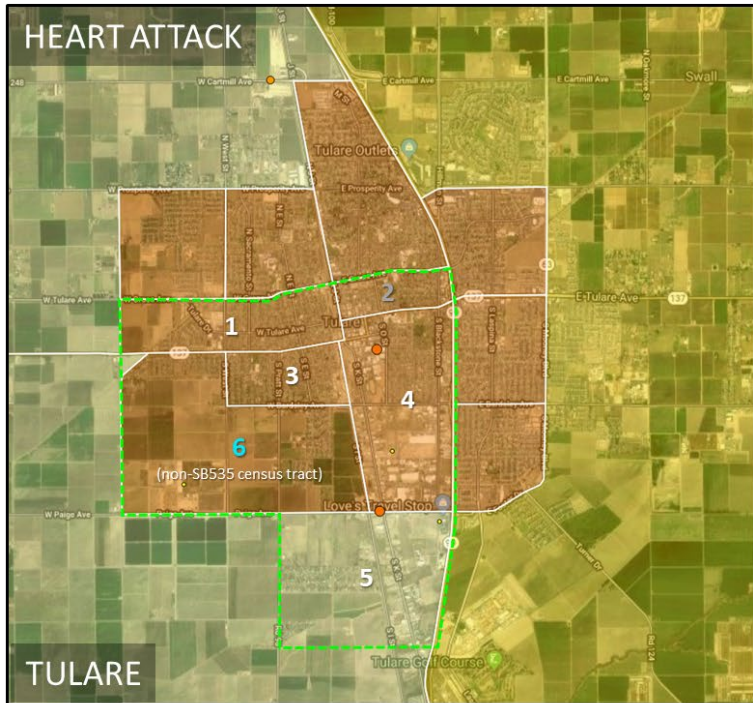
# MERCED

*Includes only SB535-defined census tracts*

	MERCED CENSUS TRACTS (map ID #)										AVERAGE	WEIGHTED
	1	2	3	4	5	6	7	8	9	10		
<b>POPULATION CHARACTERISTICS (10%)</b>	<b>2.0</b>	<b>1.0</b>	<b>2.0</b>	<b>2.0</b>	<b>1.5</b>	<b>4.0</b>	<b>4.0</b>	<b>5.0</b>	<b>3.0</b>		<b>2.7</b>	<b>2.7</b>
Poverty	4	2	4	4	3	5	5	5	4			
Linguistic Isolation	0	0	0	0	0	3	3	5	2			
<b>REGIONAL AIR POLLUTION (10%)</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>		<b>3.0</b>	<b>3.0</b>
PM2.5	4	4	4	4	4	4	4	4	4			
Ozone	2	2	2	2	2	2	2	2	2			
<b>LOCAL AIR POLLUTION (10%)</b>	<b>3.0</b>	<b>2.0</b>	<b>3.0</b>	<b>3.0</b>	<b>2.0</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>		<b>1.9</b>	<b>1.9</b>
Diesel PM		2	2			2						
PM2.5 Stationary Sources	1		1	3								
Pesticides	4				4				4			
Oil&Gas												
Dairies												
<b>HEALTH (20%)</b>	<b>3.0</b>	<b>3.3</b>	<b>4.2</b>	<b>3.2</b>	<b>1.5</b>	<b>3.2</b>	<b>3.5</b>	<b>3.3</b>	<b>2.2</b>		<b>3.0</b>	<b>6.1</b>
Asthma ED rate	3	5	5	5	2	3	3	3	3			
Heart Attack ED rate	5	5	5	4	3	4	4	4	4			
Low Birth Weight	4	5	5	0	0	0	2	3	0			
Life Expectancy	2	3	5	5	0	2	2	3	4			
Diabetes (urban only)	1	0	2	1	1	5	5	2	0			
Obesity (urban only)	3	2	3	4	3	5	5	5	2			
<b>CAPACITY (50%)</b>											<b>2.0</b>	<b>10</b>
<b>TOTAL SCORE</b>												<b>23.7</b>

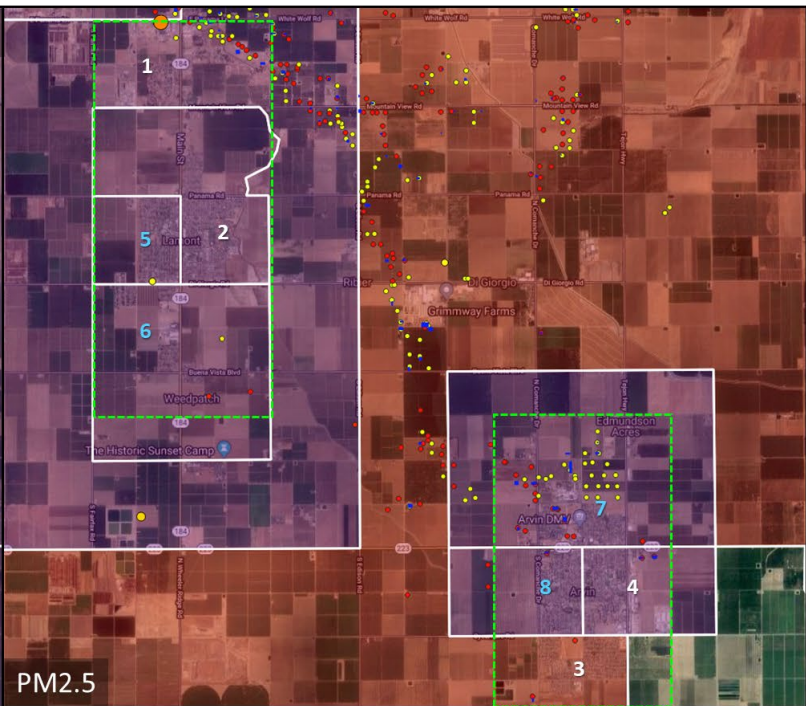
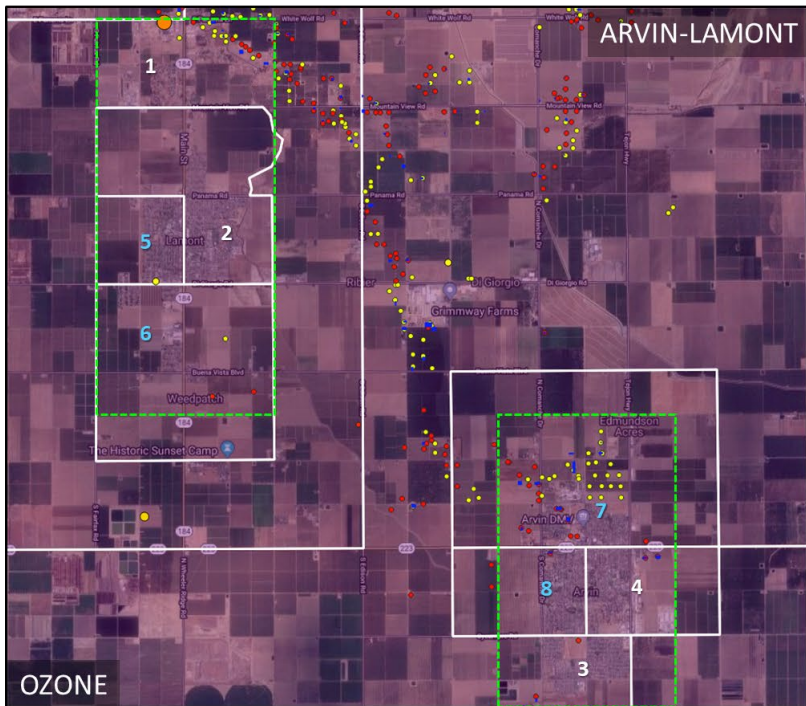
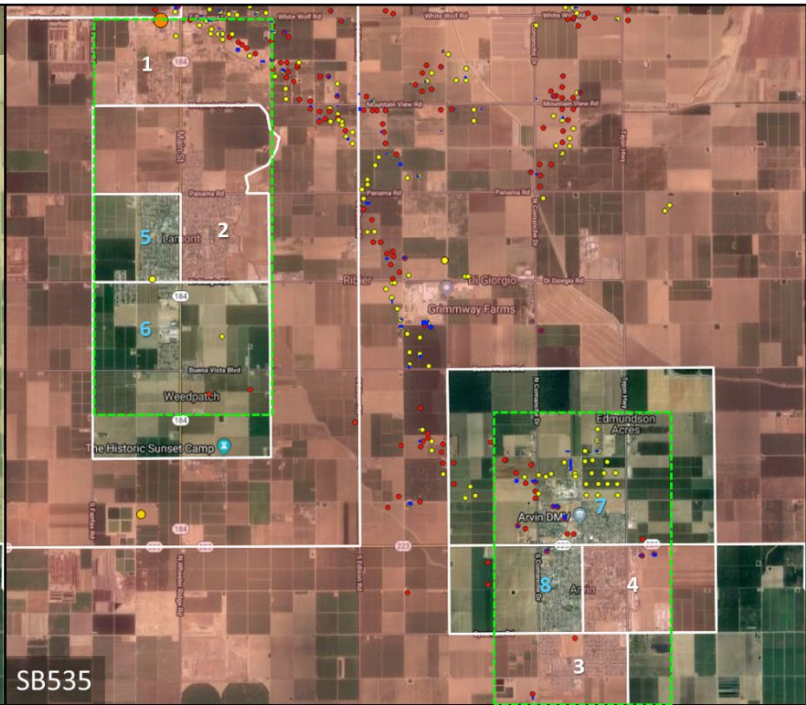
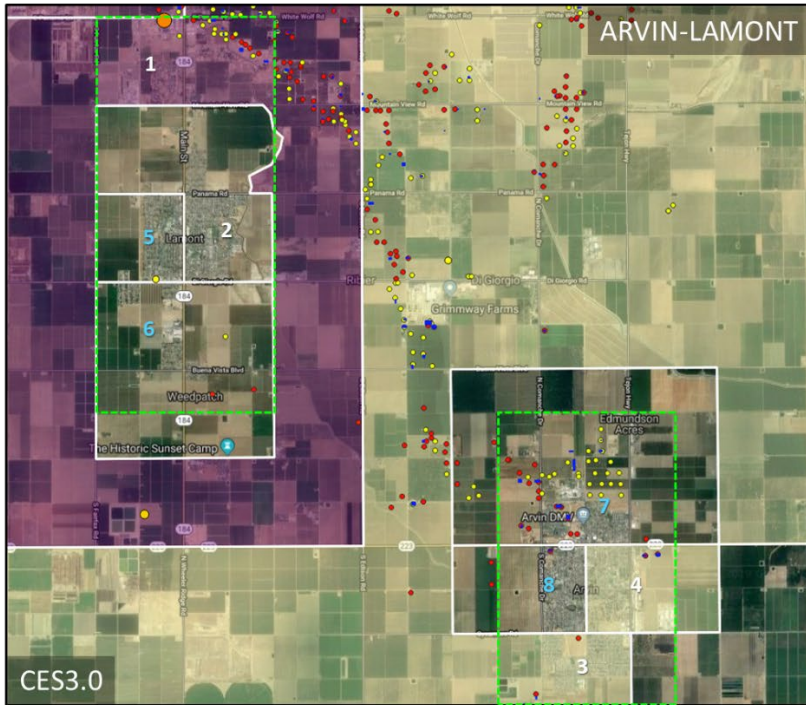


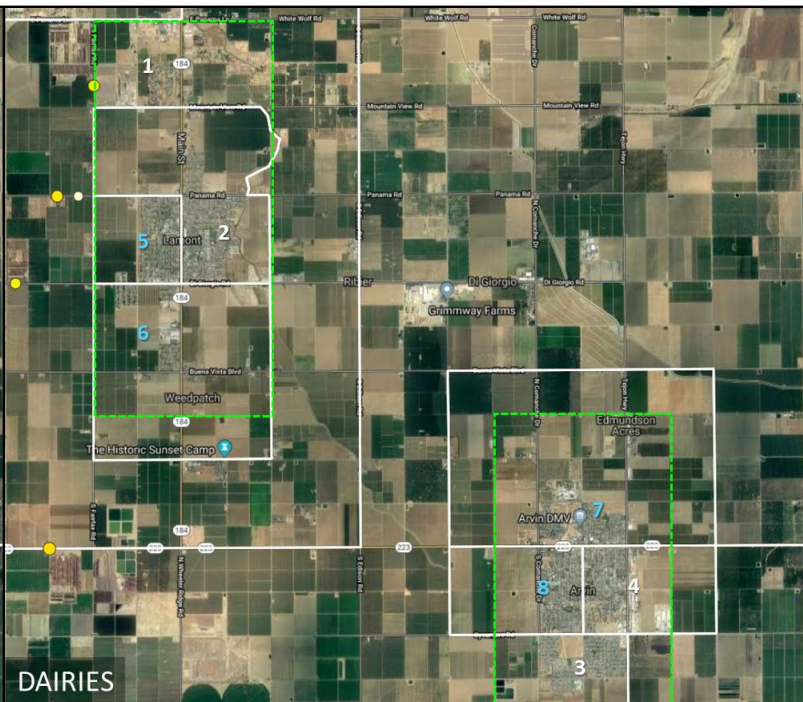
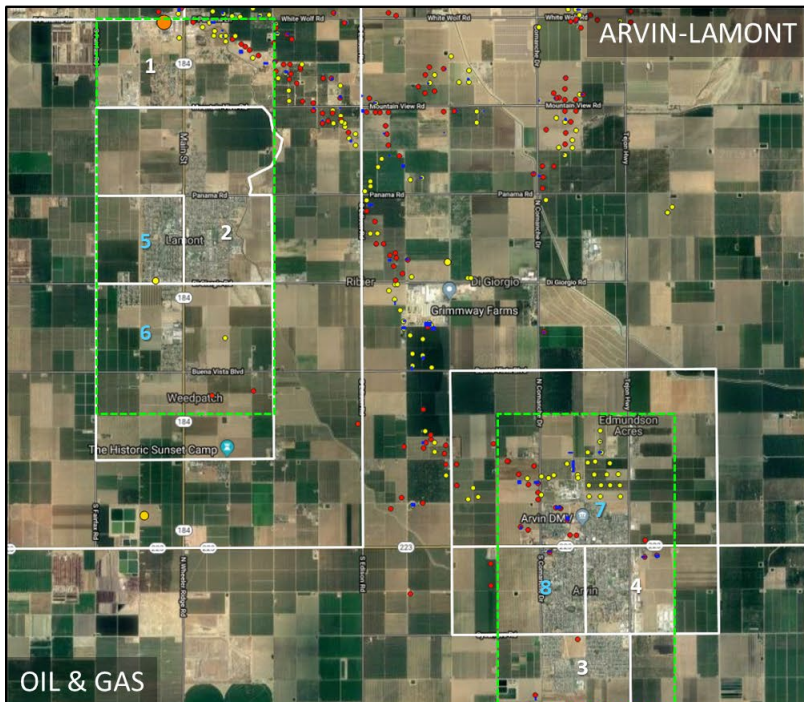
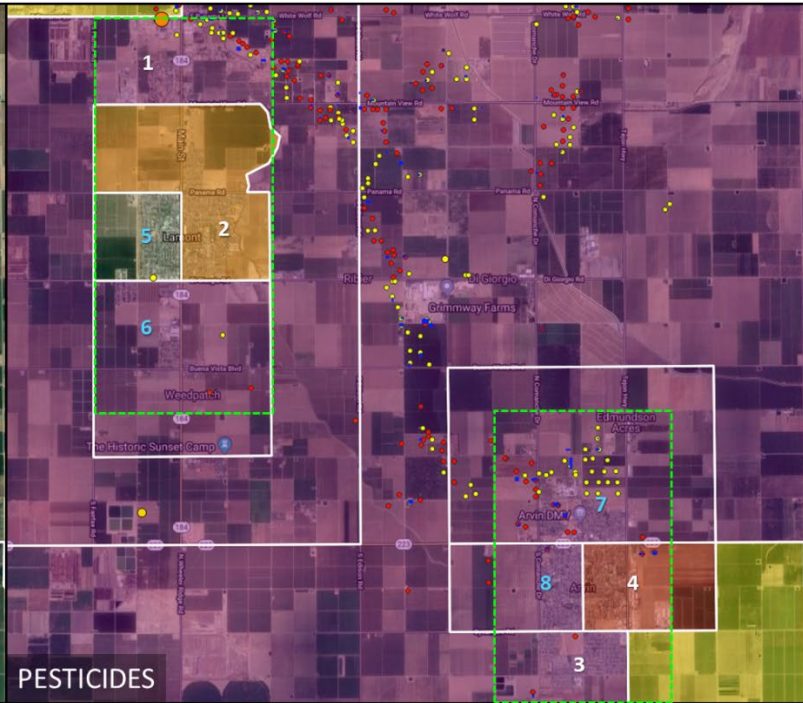
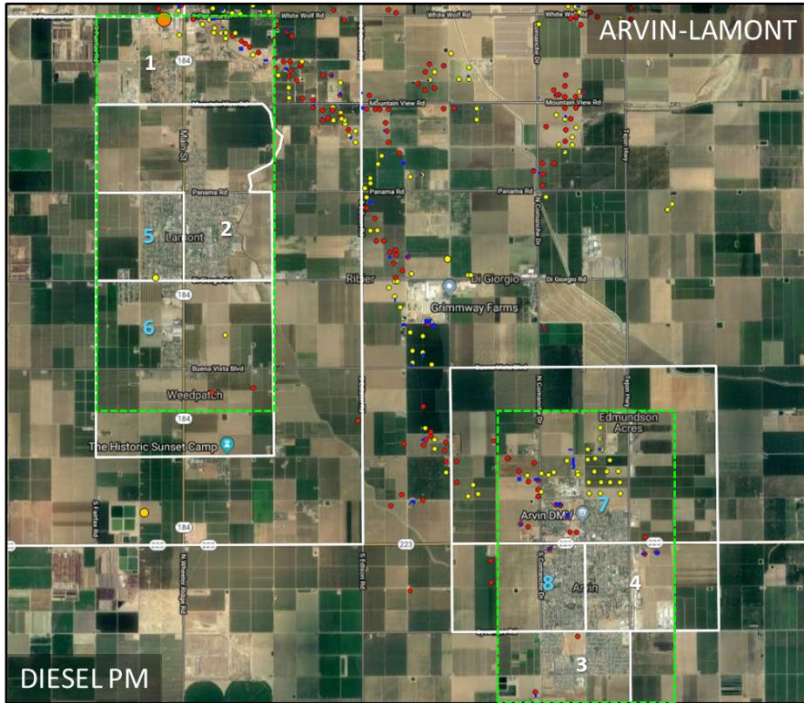


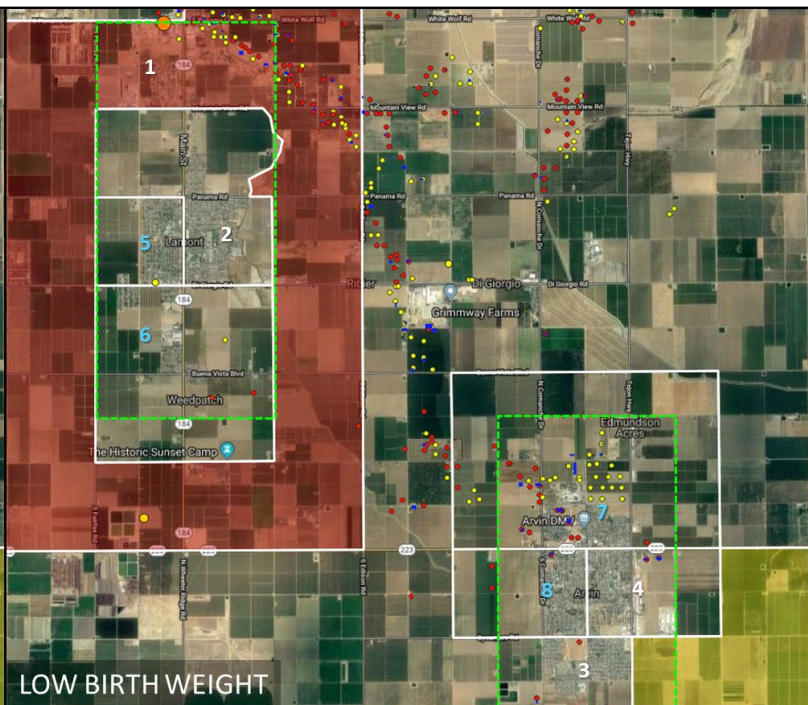
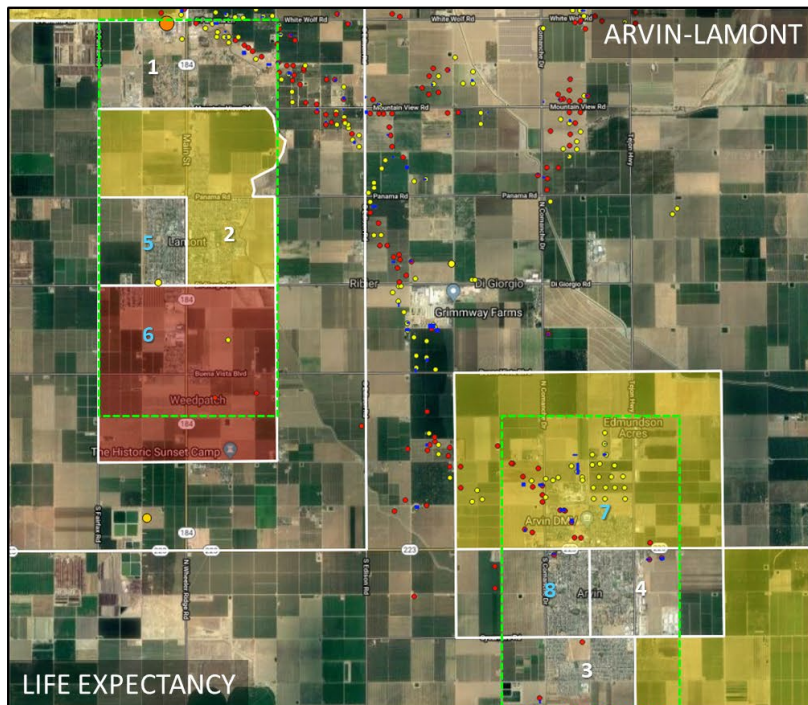
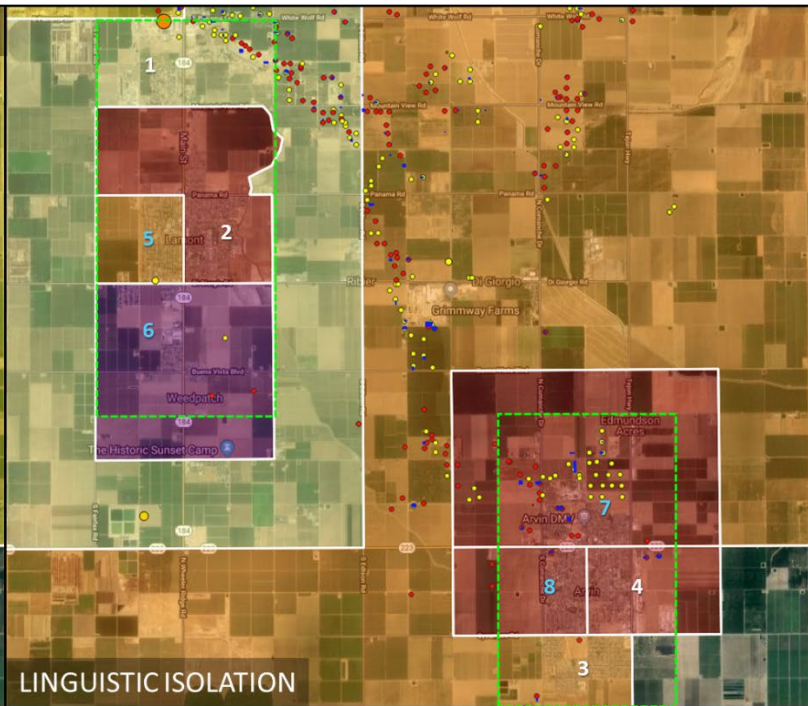
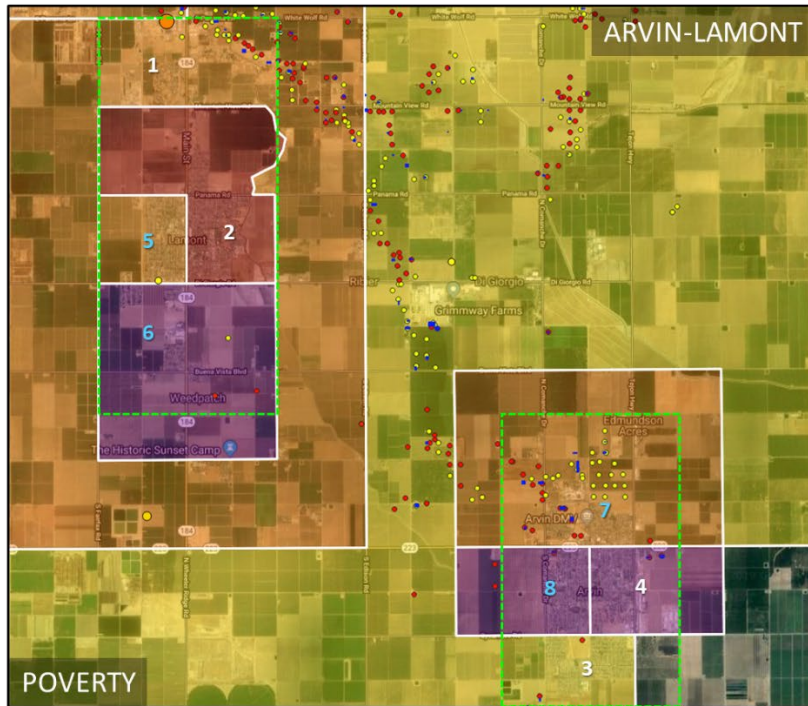
















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of the Diocese of Stockton**

*Help for Today...Hope for Tomorrow*

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San Joaquin Valley Air Pollution Control District  
1990 E Gettysburg Avenue  
Fresno, CA 93726  
(email: [AB617@valleyair.org](mailto:AB617@valleyair.org))

**Re: Second-Round Community Nominations – Port of Stockton and surrounding neighborhoods**

Dear Valley Air District Representative,

On behalf of Catholic Charities' Environmental Justice (EJ) Program, I am writing to express our strong nomination for the Port of Stockton and surrounding neighborhoods in the second round of the AB617 Community Air Protection Program. The EJ Program is seeking both the deployment of a community air monitoring campaign and the development of a community emissions reduction program for the neighborhoods.

The Port of Stockton is located southwest of downtown Stockton. It is located near two major freeways, two transcontinental railroads, an international waterway, and a regional airport. The Port census tract has a population of 6,692 with a pollution burden percentile of 100%, according to CalEnviroScreen 3.0. The PM 2.5 and diesel amount to 84% and 74% and has a higher than 96% percentile for asthma and cardiovascular rates. The neighborhoods have a high percentile burden for linguistic isolation, education, poverty, and housing burden. The Port of Stockton has always been a major source of commerce and thus, has several major sources of pollution that are both mobile and stationary, such as a biomass incinerator and transportation emissions from diesel engines.

The Catholic Charities Environmental Justice Program values the collaborative partnerships with the California Air Resources Board, San Joaquin Valley Air Pollution Control District and most importantly community residents to improve the quality of life in Stockton. Our nomination for the Port of Stockton and surrounding neighborhoods in the second round of the AB 617 Community Air Protection Program seeks to improve environmental health conditions within disadvantaged communities.

Sincerely,

Elvira Ramirez, Executive Director  
Catholic Charities of the Diocese of Stockton  
[eramirez@ccstockton.org](mailto:eramirez@ccstockton.org)  
209-444-5938



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Stanislaus Office  
Mother Lode Office

1106 North El Dorado St, Stockton, CA 95202  
2351 Tenaya Dr, Ste. D, Modesto, CA 95354  
88 Bradford St, Sonora, CA 95370

P: 209-444-5900  
P: 209-529-3784  
P: 209-532-7632

F: 209-444-5933  
F: 209-529-6083  
F: 209-532-8448



September 12, 2019

California Air Resources Board  
1001 I Street  
Sacramento, CA 95814  
Attn: AB 617  
(via email to: [communityair@arb.ca.gov](mailto:communityair@arb.ca.gov))

San Joaquin Valley Air Pollution Control District  
1990 E. Gettysburg Avenue  
Fresno, CA 93726  
Attn: AB 617  
(via email to: [AB617@valleyair.org](mailto:AB617@valleyair.org))

Dear Selection Committee,

We write this letter to express our full support for the community of Stockton to be selected for the second-year implementation of the AB617 Community Air Protection Program. We are not alone in this recommendation. The San Joaquin Valley AB617 Environmental Justice Steering Committee (SJV-AB617-EJ-SC) ranked Stockton as the number one area in the urban category in the nomination document they submitted to the California Air Resources Board (CARB) and the San Joaquin Valley Air Pollution Control District (SVJACPD). This nomination was the result of a thorough analysis of indicators that included Population Characteristics, Regional and local air pollution; health data as well as the capacity from community-based organizations that is necessary to successfully engage with residents, the Air District and CARB in the AB617 CAPP process.

Little Manila Rising was formed in response to generations of redlining and scorched-earth redevelopment practices. In many ways, the story of Little Manila's founding mirrors broader trends concerning the generational disinvestment from Stockton's communities of color. In the realms of civic life, industry, education, and (most egregiously) within the realm of environment, we recognize that many communities of color in Stockton have experienced systemic disenfranchisement. We currently work to challenge high school students in Stockton to understand the connections between history and the present state of our communities. And to map, then influence, the resource allocations and policy decisions that have contributed to the present state. We believe that, in the long term, our communities will thrive only when all residents have the power - and are equipped with the skills - to advocate for their civic needs - and thus are eager to use our educational models to build broader coalitions of engaged community members.

We strongly support Stockton to be part of the AB617-Community Air Protection Program because this area is extremely affected by multiple sources of pollution (port, diesel trucks, building of the crosstown freeway) but at the same time it has a strong history of activism that includes local residents, as well as community organizations such as Restore the Delta, Father's and Families of San Joaquin, Delta Sierra Group of the Sierra Club, Catholic Charities, and Central California Environmental Justice Network. These efforts have led to partnerships with local decision-makers, some local businesses and schools. All these are assets that puts Stockton in a privileged position to take full advantage of the spirit of AB617 of having community members at the forefront of the development of air monitoring plans and emission reduction programs.

We look forward to seeing Stockton selected for the next round of AB617 Community Air Protection Program.

In gratitude,

Dillon Delvo  
Executive Director  
Little Manila Rising

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CITY HALL 425 N. El Dorado Street Stockton, CA 95202-1997  
209 / 937-8499 Fax 209 / 937-7149

September 12, 2019

San Joaquin Valley Air Pollution Control District  
1990 E Gettysburg Avenue  
Fresno, CA 93726  
(email: AB617@valleyair.org )

RE: Second-Round Community Nominations – Port of Stockton and surrounding neighborhoods

Dear Valley Air District Representative,

I would like to express my nomination for the Port of Stockton and surrounding neighborhoods in the second round of the AB617 Community Air Protection Program. My office is committed to reducing air pollution and improving air quality for Stockton residents and I fully support the deployment of a community air monitoring campaign and the development of a community emissions reduction program for those neighborhoods.

The Port of Stockton is located southwest of downtown Stockton. It is located near two major freeways, two transcontinental railroads, an international waterway, and a regional airport. The Port census tract has a population of 6,692 with a pollution burden percentile of 100%, according to CalEnviroScreen 3.0. The PM 2.5 and diesel amount to 84% and 74% and has a higher than 96% percentile for asthma and cardiovascular rates. The neighborhoods have a high percentile burden for linguistic isolation, education, poverty, and housing burden. The Port of Stockton has always been a major source of commerce and thus, has several major sources of pollution that are both mobile and stationary, such as a biomass incinerator and transportation emissions from diesel engines.

As Mayor, I value the working with the California Air Resources Board, San Joaquin Valley Air Pollution Control District and most importantly community residents to improve the quality of life in Stockton. My nomination for the Port of Stockton and surrounding neighborhoods in the second round of the AB 617 Community Air Protection Program seeks to improve environmental health conditions within disadvantaged communities.

Thank you for your time and consideration. If I can be of further assistance, please do not hesitate to contact my office at (209) 937-8499.

Sincerely,

A handwritten signature in blue ink that reads "Michael Tubbs". The signature is fluid and cursive, with the first and last names clearly legible.

Michael Tubbs  
Mayor, City of Stockton