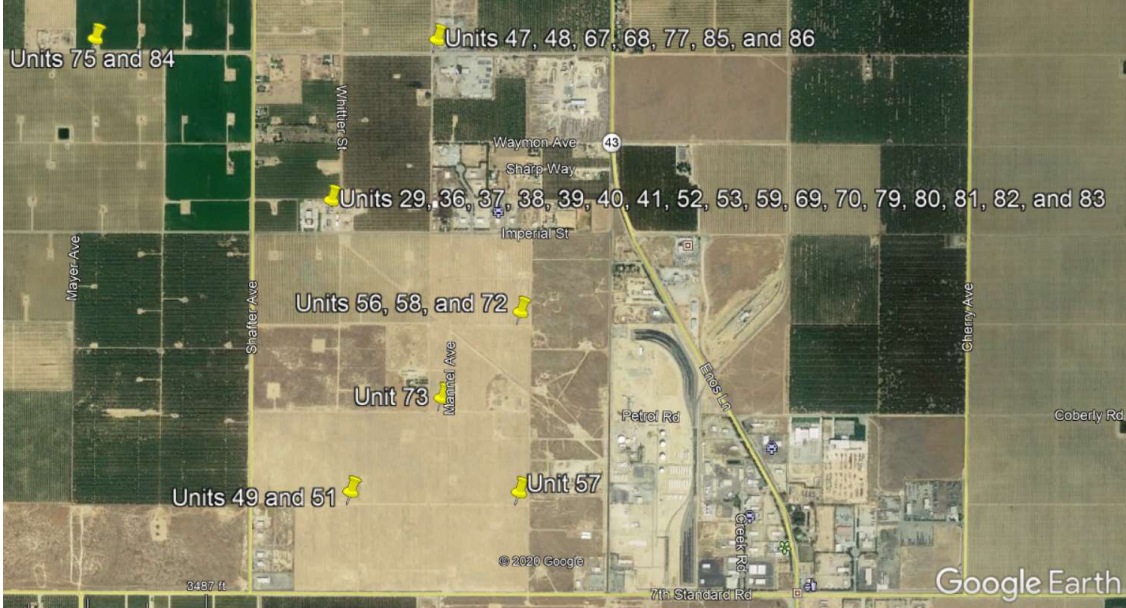
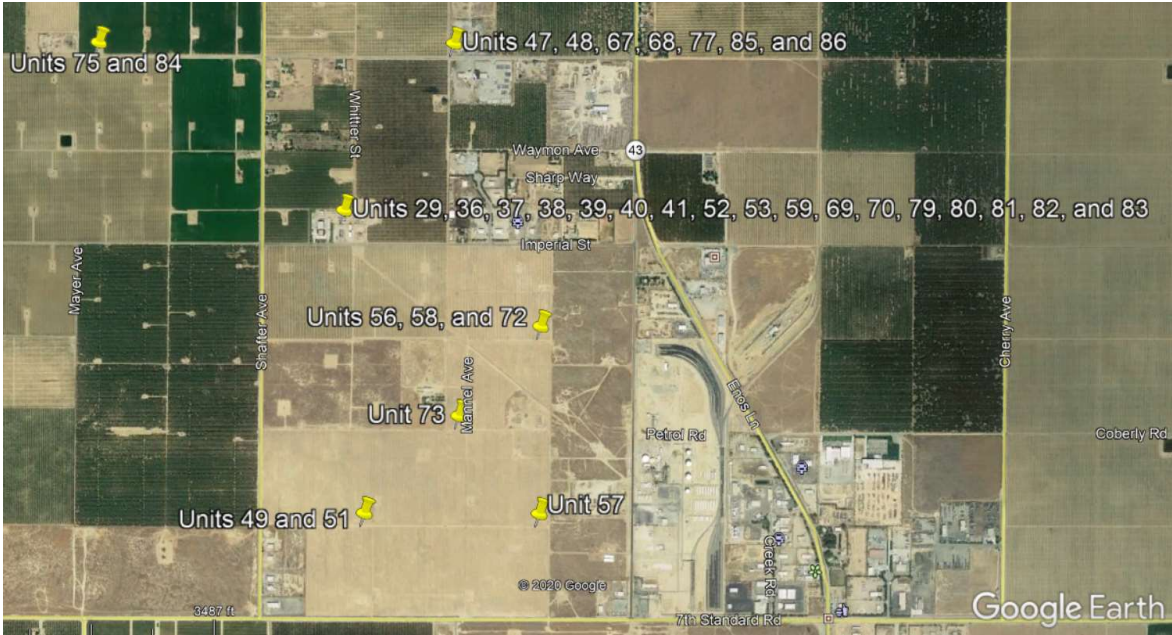


AB 617 Emission Inventory, Shafter
 Letter dated March 9 2020, Tom Frantz and Gustavo Aguirre, Jr.
 Re: AB 617 Shafter Emission Inventory Requests
 Received on March 9, 2020

Question	Topic/Category	Response																		
2019 Outstanding Requests:																				
1.	Dairy	<p>CARB’s emissions inventory for Shafter included area-wide emission estimates for all dairy sources in the community (7-mile radius) for both criteria pollutants and toxics, including ammonia. The planning level emission inventory for area and mobile sources are available under the “California Air Resources Board Data” at http://community.valleyair.org/selected-communities/shafter</p> <table border="1"> <thead> <tr> <th></th> <th>NOx (tpy)</th> <th>ROG (tpy)</th> <th>PM10 (tpy)</th> <th>PM2.5 (tpy)</th> <th>NH3 (tpy)</th> </tr> </thead> <tbody> <tr> <td>Dairy Cattle</td> <td>0.00</td> <td>85.83</td> <td>19.58</td> <td>2.24</td> <td>310.24</td> </tr> <tr> <td>Silage – Unspecified</td> <td>0.00</td> <td>133.28</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> </tbody> </table> <p>CARB/District developed area source emission methodologies are available at https://ww2.arb.ca.gov/index-methodologies-major-category</p> <p>CARB/District methodologies for farming operations are available here: https://ww2.arb.ca.gov/arb-miscellaneous-process-methodologies-livestock</p> <p>The above link includes a link to SJVAPCD’s Dairy VOC Emission Factors Report.</p> <p>Additionally, as part of implementing the CERP, the District will be working with CDFA, NRCS, CDQAP, and local dairies in the community to implement emission reduction opportunities identified in the CERP, including examining the potential and feasibility of various alternative manure management practices to reduce emissions and to promote these practices at dairies near the community of Shafter. In the future, dairy-specific information will be collected through the Criteria and Air Toxics Reporting Regulation and AB 2588 Hot Spots updates.</p>		NOx (tpy)	ROG (tpy)	PM10 (tpy)	PM2.5 (tpy)	NH3 (tpy)	Dairy Cattle	0.00	85.83	19.58	2.24	310.24	Silage – Unspecified	0.00	133.28	0.00	0.00	0.00
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2.	JP Oil	<p>JP Oil has multiple operational sites in the Shafter 7-mile radius area. Under the annual emissions inventory program, the District consolidates, under the main facility, emissions inventory data from the different sites</p>																		

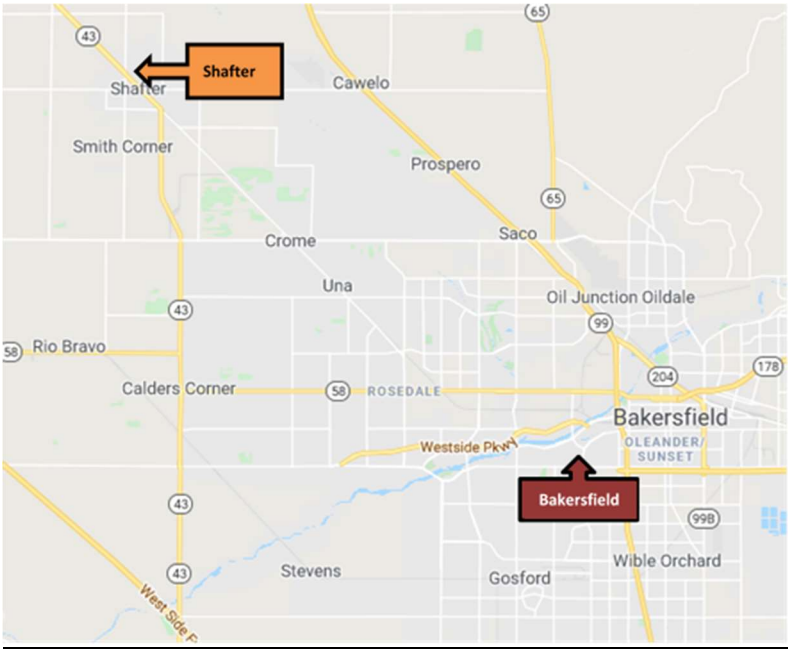
	Question	Topic/Category	Response
	<p>and TAC's within the 7-mile radius was promised a year ago but nothing has been provided.</p> <p>Original 2019 Question: The emissions of permitted sources do not include JP Oil located on the south side of Shafter and within the 7-mile boundary. This information needs to be included. For JP Oil, flaring emissions per year for the past five years should be included. CRC emissions from flaring should also be a separate category by year and type of emission for the past five years.</p>		<p>located in the area. The District has compiled a report of the emissions inventory data from JP Oil under the specific sites located within the Shafter 7-mile radius area.</p> <p>The map below is a reference for the approximate location of each unit reported in the attached JP Oil Emissions Inventory starting on page A-1.</p> 
3.	<p>There are many stationary IC engines pumping water for agricultural within the 7-mile radius. One item in the CERP is incentive money for</p>	<p>Incentives - IC Engines Ag Pumps</p>	<p>CARB's emissions inventory for Shafter included area-wide emission estimates for ag engines; emissions for some pollutants are summarized here. The planning level emission inventory for area and mobile sources are available under the "California Air Resources Board Data" at http://community.valleyair.org/selected-communities/shafter. Facility specific reported emissions is currently not available.</p> <p>(continued on next page)</p>

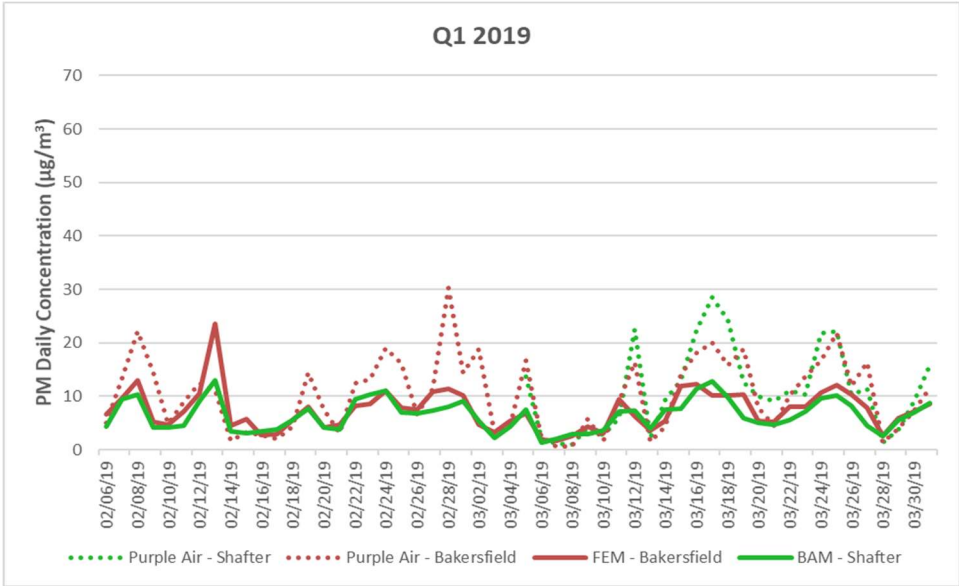
	Question	Topic/Category	Response																																																					
	farmers to convert these engines to electricity. How many of these permitted stationary source IC engines are in the 7-mile radius and what are the estimated emissions of NOx, PM2.5, and VOCs from these engines. This should be broken down by fuel type as well, basically diesel or natural gas.		<table border="1" data-bbox="783 298 1850 410"> <thead> <tr> <th></th> <th>NOx (tpy)</th> <th>ROG (tpy)</th> <th>PM10 (tpy)</th> <th>PM2.5 (tpy)</th> </tr> </thead> <tbody> <tr> <td>Stationary Ag Pump</td> <td>10.71</td> <td>0.84</td> <td>0.34</td> <td>0.33</td> </tr> <tr> <td>Portable Ag Pump</td> <td>14.10</td> <td>1.76</td> <td>0.76</td> <td>0.74</td> </tr> </tbody> </table> <p data-bbox="783 451 1944 516"> CARB/District area source methodologies for IC engines in the agricultural sector is available here: https://ww2.arb.ca.gov/fuel-combustion-methodologies </p> <p data-bbox="783 557 2064 656"> As part of implementing the CERP, the District will be working with agricultural sources in the community to implement emission reduction opportunities identified in the CERP, including the electrification of engines where feasible. </p>						NOx (tpy)	ROG (tpy)	PM10 (tpy)	PM2.5 (tpy)	Stationary Ag Pump	10.71	0.84	0.34	0.33	Portable Ag Pump	14.10	1.76	0.76	0.74																																		
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4.	In addition to the above request on agricultural irrigation pumps, what are the emissions from permitted stationary IC engines at the ten dairies in the area? This should include any permitted IC engines used for mixing feed, pumping water, generating electricity, or other possible uses on the dairy sites.	Dairy – IC Engines	<p data-bbox="783 805 1192 833">Please see response to question 3.</p> <p data-bbox="783 873 2039 1154"> The District has gathered emissions data from the 5 dairies located within the 7-mile radius of Shafter and the District is providing permitted emissions data from IC Engines at these sources. The emissions are based on all permitted equipment, including operations and equipment at the dairy and, for dairies with engines permitted at the source, the emissions from those as well. When reviewing the data, it is important to note that these are maximum emissions allowed by permit and for the many of the dairies, actual emissions could be considerably less. Actual emissions data from the individual dairies is presently unavailable. In the future, dairy-specific information will be collected through the Criteria and Air Toxics Reporting Regulation and AB 2588 Hot Spots updates. </p> <table border="1" data-bbox="783 1190 2045 1458"> <thead> <tr> <th>FACILITY NAME</th> <th>Engines</th> <th>NO_x (lb/yr)</th> <th>SO_x (lb/yr)</th> <th>PM₁₀ (lb/yr)</th> <th>CO (lb/yr)</th> <th>VOC (lb/yr)</th> </tr> </thead> <tbody> <tr> <td>AUKEMAN DAIRY</td> <td>1</td> <td>772</td> <td>0</td> <td>37</td> <td>235</td> <td>88</td> </tr> <tr> <td>FAIAL FARMS 2</td> <td>1</td> <td>1,213</td> <td>1</td> <td>58</td> <td>369</td> <td>138</td> </tr> <tr> <td>OASIS HOLSTEIN DAIRY</td> <td>1</td> <td>882</td> <td>0</td> <td>44</td> <td>268</td> <td>101</td> </tr> <tr> <td>SKYVIEW DAIRY</td> <td>2</td> <td>3,163</td> <td>16</td> <td>152</td> <td>27,878</td> <td>458</td> </tr> <tr> <td>TJAARDA DAIRY</td> <td>3</td> <td>1,377</td> <td>15</td> <td>93</td> <td>485</td> <td>130</td> </tr> <tr> <td colspan="2">Total/Year</td> <td>7,407</td> <td>32</td> <td>384</td> <td>29,235</td> <td>915</td> </tr> </tbody> </table>					FACILITY NAME	Engines	NO _x (lb/yr)	SO _x (lb/yr)	PM ₁₀ (lb/yr)	CO (lb/yr)	VOC (lb/yr)	AUKEMAN DAIRY	1	772	0	37	235	88	FAIAL FARMS 2	1	1,213	1	58	369	138	OASIS HOLSTEIN DAIRY	1	882	0	44	268	101	SKYVIEW DAIRY	2	3,163	16	152	27,878	458	TJAARDA DAIRY	3	1,377	15	93	485	130	Total/Year		7,407	32	384	29,235	915
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	Question	Topic/Category	Response
5.	<p>Many IC engines have been observed running oil well pumps or related equipment in both the CRC and JP Oil operations within the 7-mile radius. How many of these have been permitted, what are the associated emissions of NOx, PM2.5, and VOC's, and how many are within 2500 feet of a grid electricity source?</p>	<p>IC Engines in Ag, Oil Production (CRC & JP Oil)</p>	<p>Based on discussions with CRC, the oil wells are driven by electric motors and they do not operate any IC engines for this purpose in the 7-mile radius.</p> <p>JP Oil has multiple operational sites in the Shafter 7-mile radius area. Under the annual emissions inventory program, the District consolidates under the main facility emissions inventory data from the different sites, located in the area. However, to address the request, the District is has compiled a report the emissions inventory data from JP Oil under the specific sites located within the Shafter 7-mile radius area.</p> <p>The map below is a reference for the approximate location of each unit reported in the attached JP Oil Emissions Inventory starting on page A-1, where 19 of these units are IC Engines.</p> 

	Question	Topic/Category	Response
6.	<p>Related to the Shafter emission inventory provided and/or requested, what are the seasonal or monthly breakdown of these emission totals? For example, during peak harvest seasons there is far more trucking activity, field equipment activity, and processing plant activity. Another example is winter time only heating of buildings with natural gas and wood burning.</p>	<p>Temporal Emissions</p>	<p>The 2017 emission inventory for Shafter included annual emissions in tons per year for all source categories in the Shafter 7-mile radius. The emission inventory is available at http://community.valleyair.org/selected-communities/shafter. CARB and District staff have looked at stationary point (facilities) and area-wide emissions and have developed a monthly emission profile for these sources.</p> <p><u>District Permitted Sources:</u> The annual emissions inventory data received from permitted facilities contains information regarding facility monthly activity level. District staff has reconciled the facility monthly activity level information contained in the emission inventory database, when available, to establish monthly emissions inventory for each facility in the Shafter AB 617 project area.</p> <p><u>Please see attached PDF “Facility Emissions” starting on page A-6 for more details.</u></p> <p><u>CARB Area Sources:</u> Using established temporal data annual area source emissions can be resolved by month, week, day and hour. Temporal data are stored in CARB’s emission inventory database. Each local air district assigns temporal data for all processes at each facility in their district to represent when emissions at each process occur. CARB or district staff also assign temporal data for each area source category by county/air basin/district. CARB has developed monthly emissions for some of the top area source categories.</p> <p><u>Please see attached PDF “Shafter Top Areawide Categories Monthly Emissions” starting on page A-12 for more details.</u></p>

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All monitored hourly values have been uploaded to the CARB AQView site on a monthly basis and are available for download here: https://aqview.arb.ca.gov/data.html</p> <p><u>Additionally, the District presented this information at community steering committee #17 on January 13, 2020.</u></p>	Day of the Month	August	September	October	November	December	1		33.75	32.88	87.29	6.88	2		33.46	43.58	76.96	14.17	3		40.13	49.04	65.08	24.08	4		49.58	41.63	55.04	10.83	5		50.96	52.04	64.08	8.71	6		39.33	47.58	66.38	13.46	7		43.88	48.58	84.38	15.79	8		87.17	66.42	92.75	6.79	9		24.04	72.38	88.08	17.25	10		30.75	101.92	71.96	24.79	11		35.00	69.00	55.25	47.96	12		45.33	55.40	68.21	26.58	13		57.17	43.25	74.88	22.17	14		55.67	43.54	66.75	32.75	15	18.79	39.46	63.17	28.71	9.17	16	21.46	29.67	66.04	33.00	14.67	17	23.42	51.38	49.13	49.79	30.67	18	16.92	41.79	64.38	59.13	23.33	19	10.42	32.33	33.67	69.08	21.29	20	10.89	36.63	29.92	24.96	20.67	21		34.83	30.08	9.33	31.79	22	52.67	37.71	46.29	21.13	256.50	23	47.50	40.13	56.63	32.50	18.13	24	44.38	56.42	57.38	45.29	9.46	25	28.79	53.79	56.50	59.96	16.75	26	35.75	70.71	49.96	215.21	3.54	27	49.46	45.42	143.08	23.96	9.21	28	38.71	35.29	179.96	8.17	15.50	29	39.25	52.96	109.96	43.88	14.83	30	40.58	26.08	614.00	8.75	20.92	31	49.67		73.08		27.13
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16	21.46	29.67	66.04	33.00	14.67																																																																																																																																																																																														
17	23.42	51.38	49.13	49.79	30.67																																																																																																																																																																																														
18	16.92	41.79	64.38	59.13	23.33																																																																																																																																																																																														
19	10.42	32.33	33.67	69.08	21.29																																																																																																																																																																																														
20	10.89	36.63	29.92	24.96	20.67																																																																																																																																																																																														
21		34.83	30.08	9.33	31.79																																																																																																																																																																																														
22	52.67	37.71	46.29	21.13	256.50																																																																																																																																																																																														
23	47.50	40.13	56.63	32.50	18.13																																																																																																																																																																																														
24	44.38	56.42	57.38	45.29	9.46																																																																																																																																																																																														
25	28.79	53.79	56.50	59.96	16.75																																																																																																																																																																																														
26	35.75	70.71	49.96	215.21	3.54																																																																																																																																																																																														
27	49.46	45.42	143.08	23.96	9.21																																																																																																																																																																																														
28	38.71	35.29	179.96	8.17	15.50																																																																																																																																																																																														
29	39.25	52.96	109.96	43.88	14.83																																																																																																																																																																																														
30	40.58	26.08	614.00	8.75	20.92																																																																																																																																																																																														
31	49.67		73.08		27.13																																																																																																																																																																																														

	Question	Topic/Category	Response
2.	<p>A comparison of Purple Air monitoring results (24-hour averages) between the 548 Walker sensor located at the Shafter DMV office and the JPL_Bakersfield_CARB sensor located at the California and Stockdale “official” monitoring location.</p>	<p>Monitoring</p>	<p>Two Purple Air sensors are sampling outdoor concentrations of PM2.5 near regulatory monitors located in Shafter and Bakersfield.</p>  <p>Bakersfield-CA is the closest regulatory PM2.5 monitor. A similar monitor has been placed on the roof of the DMV office at Shafter. The two monitors show similar trends throughout the year. The Shafter Purple Air sensor began collecting data March 5, 2019. The following charts are a breakdown of each regulatory monitor and Purple Air sensor within each quarter from Feb. 6, 2019, until Feb. 29, 2020.</p> <p>The dotted lines depict the Purple Air sensors; while the solid lines depict the regulatory and the regulatory equivalent monitors. “FEM” means the monitor is in the regulatory network. “BAM” is the same type of monitor in the community network.</p> <p>Purple Air sensors are useful for spatial evaluation of trends (i.e. are we seeing elevated PM in part of a community?). However, these sensors are not a suitable substitute for the regulatory monitors deployed by the District and CARB. The District’s PM2.5 monitors, including the two regulatory-grade monitoring sites in the graphs below, are routinely calibrated and maintained by trained technicians, and show relatively</p>

	Question	Topic/Category	Response
			<p>consistent levels across the analysis period. The purple air sensors, which are not regulatory-grade and are not capable of being calibrated, lack the same level of quality assurance as the regulatory monitors. As a result, studies have shown that the data tends to be more volatile, especially at higher concentrations. Which can be seen during the higher PM2.5 months of Q4 2019 and Q1 2020. The District is continuing to evaluate Purple Air sensors in other locations in the Valley as a part of the Technical Evaluation of Sensor Technology (TEST) program, all of which have shown a similar trend of over-estimating PM2.5 concentrations during elevated periods.</p> <p>For more information on the District’s TEST program, please visit: https://www.valleyair.org/aqmonitoring/test/</p> 

	Question	Topic/Category	Response
			<div style="text-align: center;"> <p>Q2 2019</p> <p>PM Daily Concentration ($\mu\text{g}/\text{m}^3$)</p> <p>Legend: Purple Air - Shafter, Purple Air - Bakersfield, FEM - Bakersfield, BAM - Shafter</p> </div> <div style="text-align: center; margin-top: 20px;"> <p>Q3 2019</p> <p>PM Daily Concentration ($\mu\text{g}/\text{m}^3$)</p> <p>Legend: Purple Air - Shafter, Purple Air - Bakersfield, FEM - Bakersfield, BAM - Shafter</p> </div>

	Question	Topic/Category	Response
			<div style="text-align: center;"> <p>Q4 2019</p> <p>PM Daily Concentration ($\mu\text{g}/\text{m}^3$)</p> <p>Legend: Purple Air - Shafter (dotted green), Purple Air - Bakersfield (dotted red), FEM - Bakersfield (solid red), BAM - Shafter (solid green)</p> </div> <hr/> <div style="text-align: center;"> <p>Q1 2020</p> <p>PM Daily Concentration ($\mu\text{g}/\text{m}^3$)</p> <p>Legend: Purple Air - Shafter (dotted green), Purple Air - Bakersfield (dotted red), FEM - Bakersfield (solid red), BAM - Shafter (solid green)</p> </div>

	Question	Topic/Category	Response																																																																																																																																				
3.	Results of monitoring emissions such as diesel soot and PM2.5 from Lerdo Hwy traffic at Golden Oak Elementary. This monitoring should be ongoing at either the Kindergarten or Pre-school playgrounds, each located immediately adjacent to stop signs.	Monitoring	<p>Hourly Average Reading on March 11, 2020</p> <table border="1" data-bbox="781 334 1986 683"> <thead> <tr> <th>Time</th> <th>CO (ppm)</th> <th>H2S (ppb)</th> <th>PM2.5 (µg/m³)</th> <th>NO2 (ppb)</th> <th>NO (ppb)</th> <th>NOx (ppb)</th> <th>O3 (ppb)</th> <th>SO2 (ppb)</th> </tr> </thead> <tbody> <tr> <td>8:00:00</td> <td>0.27</td> <td>4.7</td> <td>14.5</td> <td>14.4</td> <td>42.9</td> <td>57.3</td> <td>2.4</td> <td>0.5</td> </tr> <tr> <td>9:00:00</td> <td>0.18</td> <td>1.6</td> <td>12.8</td> <td>2.1</td> <td>1.1</td> <td>3.2</td> <td>3.3</td> <td>0.2</td> </tr> <tr> <td>10:00:00</td> <td>0.18</td> <td>2.7</td> <td>14.3</td> <td>2.5</td> <td>2.3</td> <td>4.7</td> <td>3.4</td> <td>0.1</td> </tr> <tr> <td>11:00:00</td> <td>0.17</td> <td>1.8</td> <td>13.5</td> <td>2.8</td> <td>2.8</td> <td>5.6</td> <td>3.5</td> <td>0.2</td> </tr> <tr> <td>12:00:00</td> <td>0.18</td> <td>0.8</td> <td>13.1</td> <td>3</td> <td>3.3</td> <td>6.3</td> <td>3.6</td> <td>0.2</td> </tr> <tr> <td>13:00:00</td> <td>0.21</td> <td>0.8</td> <td>13.1</td> <td>4.1</td> <td>5.1</td> <td>9.2</td> <td>3.7</td> <td>0.2</td> </tr> </tbody> </table> <p><i>BTEX measured but not detected during this period.</i></p> <p>Hourly Average Reading on April 27, 2020</p> <table border="1" data-bbox="781 789 1986 1138"> <thead> <tr> <th>Time</th> <th>CO (ppm)</th> <th>H2S (ppb)</th> <th>PM2.5 (µg/m³)</th> <th>NO2 (ppb)</th> <th>NO (ppb)</th> <th>NOx (ppb)</th> <th>O3 (ppb)</th> <th>SO2 (ppb)</th> </tr> </thead> <tbody> <tr> <td>9:00:00</td> <td>0.16</td> <td>0.7</td> <td>3.0</td> <td>0.1</td> <td>6.4</td> <td>6.5</td> <td>27.2</td> <td>0.6</td> </tr> <tr> <td>10:00:00</td> <td>0.17</td> <td>0.6</td> <td>2.4</td> <td>0.0</td> <td>1.8</td> <td>1.4</td> <td>31.6</td> <td>0.6</td> </tr> <tr> <td>11:00:00</td> <td>0.14</td> <td>0.5</td> <td>2.6</td> <td>0.5</td> <td>3.3</td> <td>3.8</td> <td>35.6</td> <td>0.6</td> </tr> <tr> <td>12:00:00</td> <td>0.14</td> <td>0.7</td> <td>3.1</td> <td>0.0</td> <td>1</td> <td>0.7</td> <td>40.6</td> <td>0.8</td> </tr> <tr> <td>13:00:00</td> <td>0.23</td> <td>0.5</td> <td>2.9</td> <td>7.6</td> <td>12.9</td> <td>20.5</td> <td>38.2</td> <td>0.8</td> </tr> <tr> <td>14:00:00</td> <td>0.37</td> <td>1.3</td> <td>4.4</td> <td>25.2</td> <td>33.5</td> <td>58.7</td> <td>37.6</td> <td>1.5</td> </tr> </tbody> </table> <p><i>BTEX measured but not detected during this period.</i></p>							Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	NO (ppb)	NOx (ppb)	O3 (ppb)	SO2 (ppb)	8:00:00	0.27	4.7	14.5	14.4	42.9	57.3	2.4	0.5	9:00:00	0.18	1.6	12.8	2.1	1.1	3.2	3.3	0.2	10:00:00	0.18	2.7	14.3	2.5	2.3	4.7	3.4	0.1	11:00:00	0.17	1.8	13.5	2.8	2.8	5.6	3.5	0.2	12:00:00	0.18	0.8	13.1	3	3.3	6.3	3.6	0.2	13:00:00	0.21	0.8	13.1	4.1	5.1	9.2	3.7	0.2	Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	NO (ppb)	NOx (ppb)	O3 (ppb)	SO2 (ppb)	9:00:00	0.16	0.7	3.0	0.1	6.4	6.5	27.2	0.6	10:00:00	0.17	0.6	2.4	0.0	1.8	1.4	31.6	0.6	11:00:00	0.14	0.5	2.6	0.5	3.3	3.8	35.6	0.6	12:00:00	0.14	0.7	3.1	0.0	1	0.7	40.6	0.8	13:00:00	0.23	0.5	2.9	7.6	12.9	20.5	38.2	0.8	14:00:00	0.37	1.3	4.4	25.2	33.5	58.7	37.6	1.5
Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	NO (ppb)	NOx (ppb)	O3 (ppb)	SO2 (ppb)																																																																																																																															
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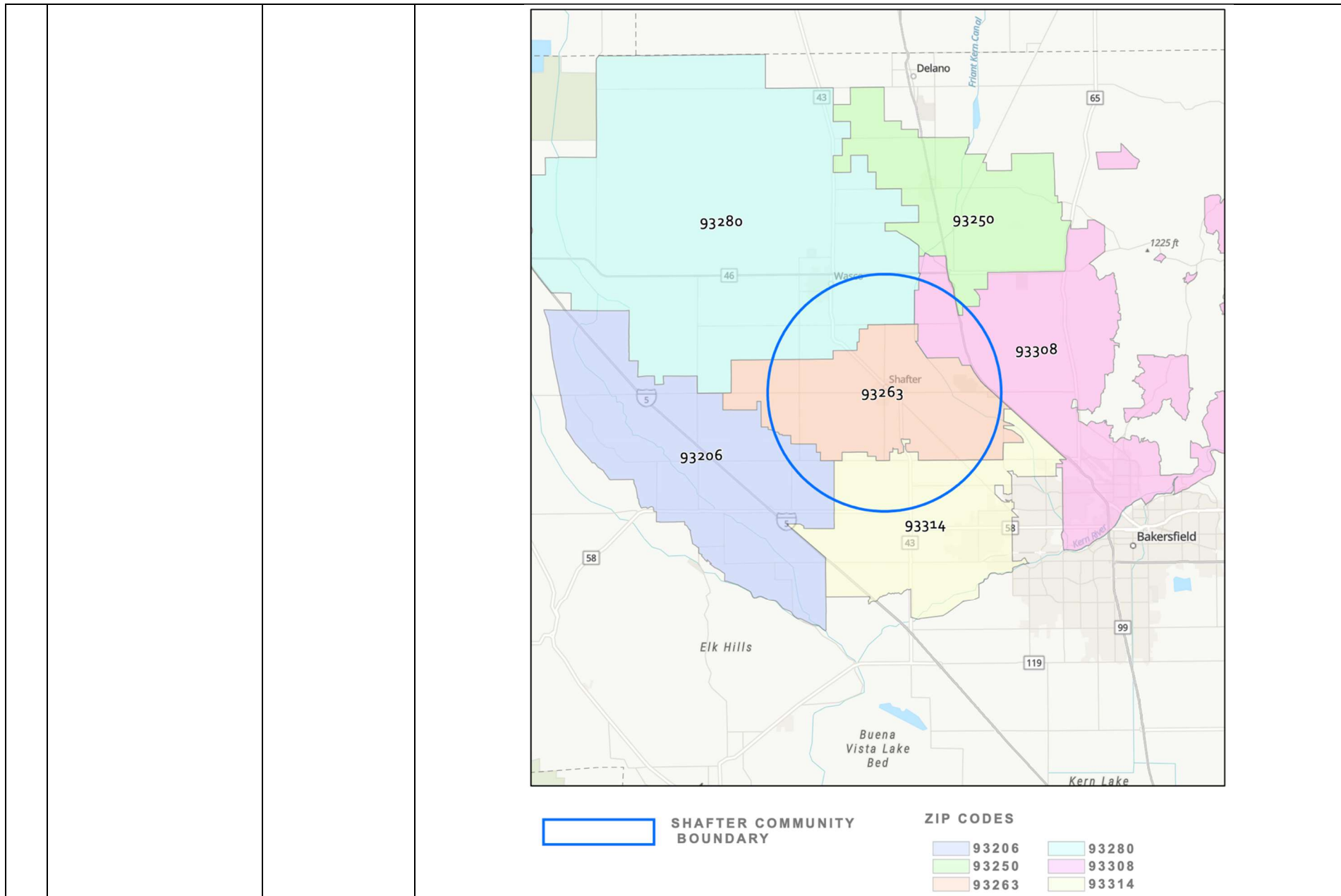
4.	Results of monitoring at the Mexican Colony.	Monitoring	Short-term Monitoring						
			Date	Time	O3 (ppm)	CO (ppb)	NO2 (µg/m³)	SO2 (ppb)	H2S (ppb)
			1-8-20	14:20-14:55	23.7	0.16	-	0.4	0.0
			1-14-20	14:10-14:46	34.9	0.12	0.0	1.4	0.3
			1-24-20	13:20-14:00	9.8	0.1	28.7	1.5	3.0
			1-29-20	13:41-14:20	33.4	0.17	-	1.3	0.3
			2-4-20	14:15-14:54	32.9	0.27	0.0	0.0	1.4
			<i>BTEX measured but not detected during this period.</i>						
			Hourly Average Reading on March 25, 2020						
			Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	NO (ppb)	NOx (ppb)
9:00:00	0.1	0.0	1.0	1.8	0.9	2.8	34.9	0.6	
10:00:00	0.1	0.0	0.8	1.3	0.6	1.9	38.4	0.5	
11:00:00	0.14	0.0	0.8	2.1	0.3	2.4	40.1	0.5	
12:00:00	0.15	0.0	0.7	3.5	0.4	4	38.6	0.7	
13:00:00	0.18	0.0	0.7	5.5	5	10.5	35.1	0.7	
<i>BTEX measured but not detected during this period.</i>									
Hourly Average Reading on April 16, 2020									
Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	NO (ppb)	NOx (ppb)	O3 (ppb)	SO2 (ppb)	
9:00:00	0.22	0.7	0.5	8.4	3	11.4	-	-	
10:00:00	0.17	0.3	0.4	2.9	1	4	-	-	
11:00:00	0.16	0.6	0.8	3.5	1.2	4.7	-	-	
12:00:00	0.17	0.6	0.6	20.8	2.1	23	-	-	
13:00:00	0.36	0.6	1	12.2	16.3	28.4	-	-	
14:00:00	0.37	1.9	1.3	33.1	50.4	83.5	-	-	
<i>BTEX measured but not detected during this period.</i>									

	Question	Topic/Category	Response																																																												
			<p>Hourly Average Reading on April 29, 2020</p> <table border="1" data-bbox="783 302 1793 607"> <thead> <tr> <th>Time</th> <th>CO (ppm)</th> <th>H2S (ppb)</th> <th>PM2.5 (µg/m³)</th> <th>NO2 (ppb)</th> <th>NO (ppb)</th> <th>NOx (ppb)</th> <th>O3 (ppb)</th> <th>SO2 (ppb)</th> </tr> </thead> <tbody> <tr> <td>9:00:00</td> <td>0.19</td> <td>1.3</td> <td>8.2</td> <td>2.6</td> <td>0.1</td> <td>2.7</td> <td>49.3</td> <td>1.8</td> </tr> <tr> <td>10:00:00</td> <td>0.16</td> <td>1</td> <td>7.8</td> <td>1.5</td> <td>0.0</td> <td>1.3</td> <td>56.9</td> <td>1.8</td> </tr> <tr> <td>11:00:00</td> <td>0.19</td> <td>1.1</td> <td>7.7</td> <td>9.2</td> <td>7.7</td> <td>16.9</td> <td>58.7</td> <td>2.1</td> </tr> <tr> <td>12:00:00</td> <td>0.21</td> <td>0.6</td> <td>7.2</td> <td>2.4</td> <td>0</td> <td>2.4</td> <td>64.3</td> <td>1.8</td> </tr> <tr> <td>13:00:00</td> <td>0.29</td> <td>0.8</td> <td>10</td> <td>8.6</td> <td>5.9</td> <td>14.3</td> <td>61.5</td> <td>1.8</td> </tr> </tbody> </table> <p><i>BTEX measured but not detected during this period.</i></p>							Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	NO (ppb)	NOx (ppb)	O3 (ppb)	SO2 (ppb)	9:00:00	0.19	1.3	8.2	2.6	0.1	2.7	49.3	1.8	10:00:00	0.16	1	7.8	1.5	0.0	1.3	56.9	1.8	11:00:00	0.19	1.1	7.7	9.2	7.7	16.9	58.7	2.1	12:00:00	0.21	0.6	7.2	2.4	0	2.4	64.3	1.8	13:00:00	0.29	0.8	10	8.6	5.9	14.3	61.5	1.8
Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	NO (ppb)	NOx (ppb)	O3 (ppb)	SO2 (ppb)																																																							
9:00:00	0.19	1.3	8.2	2.6	0.1	2.7	49.3	1.8																																																							
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13:00:00	0.29	0.8	10	8.6	5.9	14.3	61.5	1.8																																																							
5.	Results of monitoring near to local dairies such as the location previously suggested at Magnolia and Burbank where there exists a fenced cell phone tower area with electricity.	Monitoring	<p>Short-term Monitoring</p> <table border="1" data-bbox="783 716 1782 984"> <thead> <tr> <th>Date</th> <th>Time</th> <th>O3 (ppm)</th> <th>CO (ppm)</th> <th>NO2 (ppb)</th> <th>SO2 (ppb)</th> <th>H2S (ppb)</th> </tr> </thead> <tbody> <tr> <td>1-8-20</td> <td>12:26-12:59</td> <td>17.2</td> <td>0.18</td> <td>-</td> <td>0.4</td> <td>0.0</td> </tr> <tr> <td>1-14-20</td> <td>12:26-13:00</td> <td>29.4</td> <td>0.17</td> <td>5.2</td> <td>1.5</td> <td>0.8</td> </tr> <tr> <td>1-24-20</td> <td>11:40-12:20</td> <td>8.8</td> <td>0.2</td> <td>16.6</td> <td>1.4</td> <td>5.1</td> </tr> <tr> <td>1-29-20</td> <td>11:51-12:30</td> <td>28.6</td> <td>0.17</td> <td>-</td> <td>1.3</td> <td>0.2</td> </tr> </tbody> </table> <p><i>BTEX measured but not detected during this period.</i></p>							Date	Time	O3 (ppm)	CO (ppm)	NO2 (ppb)	SO2 (ppb)	H2S (ppb)	1-8-20	12:26-12:59	17.2	0.18	-	0.4	0.0	1-14-20	12:26-13:00	29.4	0.17	5.2	1.5	0.8	1-24-20	11:40-12:20	8.8	0.2	16.6	1.4	5.1	1-29-20	11:51-12:30	28.6	0.17	-	1.3	0.2																			
Date	Time	O3 (ppm)	CO (ppm)	NO2 (ppb)	SO2 (ppb)	H2S (ppb)																																																									
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1-24-20	11:40-12:20	8.8	0.2	16.6	1.4	5.1																																																									
1-29-20	11:51-12:30	28.6	0.17	-	1.3	0.2																																																									
6.	Results of monitoring at the Labor Camp on Merced and Hwy 43.	Monitoring	<p>Hourly Average Reading on March 12, 2020</p> <table border="1" data-bbox="783 1094 1793 1362"> <thead> <tr> <th>Time</th> <th>CO (ppm)</th> <th>H2S (ppb)</th> <th>PM2.5 (µg/m³)</th> <th>NO2 (ppb)</th> <th>NO (ppb)</th> <th>NOx (ppb)</th> <th>O3 (ppb)</th> <th>SO2 (ppb)</th> </tr> </thead> <tbody> <tr> <td>9:00:00</td> <td>0.16</td> <td>0.8</td> <td>4.9</td> <td>0.3</td> <td>3.4</td> <td>3.7</td> <td>0.0</td> <td>0.2</td> </tr> <tr> <td>10:00:00</td> <td>0.16</td> <td>0.6</td> <td>4.8</td> <td>0.6</td> <td>2.8</td> <td>3.4</td> <td>0.0</td> <td>0.3</td> </tr> <tr> <td>11:00:00</td> <td>0.16</td> <td>0.4</td> <td>4.4</td> <td>0.0</td> <td>0.8</td> <td>0.0</td> <td>0.0</td> <td>0.3</td> </tr> <tr> <td>12:00:00</td> <td>0.17</td> <td>0.2</td> <td>3.4</td> <td>3.4</td> <td>4.6</td> <td>8</td> <td>0.0</td> <td>0.2</td> </tr> </tbody> </table> <p><i>BTEX measured but not detected during this period.</i></p>							Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	NO (ppb)	NOx (ppb)	O3 (ppb)	SO2 (ppb)	9:00:00	0.16	0.8	4.9	0.3	3.4	3.7	0.0	0.2	10:00:00	0.16	0.6	4.8	0.6	2.8	3.4	0.0	0.3	11:00:00	0.16	0.4	4.4	0.0	0.8	0.0	0.0	0.3	12:00:00	0.17	0.2	3.4	3.4	4.6	8	0.0	0.2									
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	Question	Topic/Category	Response																																																																																				
7.	Results of monitoring at the industrial sites near Lerdo Hwy and Hwy 99.	Monitoring	<p>Short-term Monitoring</p> <table border="1" data-bbox="783 300 1787 628"> <thead> <tr> <th>Date</th> <th>Time</th> <th>CO (ppm)</th> <th>H2S (ppb)</th> <th>PM2.5 (µg/m³)</th> <th>NO2 (ppb)</th> <th>O3 (ppb)</th> <th>SO2 (ppb)</th> </tr> </thead> <tbody> <tr> <td>1-24-2020</td> <td>9:51-10:29</td> <td>0.3</td> <td>4.1</td> <td>-</td> <td>29.6</td> <td>1.5</td> <td>1.9</td> </tr> <tr> <td>1-29-2020</td> <td>9:49-10:32</td> <td>0.25</td> <td>2.4</td> <td>-</td> <td>-</td> <td>9.5</td> <td>1.6</td> </tr> <tr> <td>2-4-2020</td> <td>10:33-11:11</td> <td>0.09</td> <td>1.0</td> <td>5.8</td> <td>3.45</td> <td>28.7</td> <td>0.0</td> </tr> </tbody> </table> <p><i>BTEX measured but not detected during this period.</i></p> <p>Hourly Average Reading on April 2, 2020</p> <table border="1" data-bbox="783 735 1787 1003"> <thead> <tr> <th>Time</th> <th>CO (ppm)</th> <th>H2S (ppb)</th> <th>PM2.5 (µg/m³)</th> <th>NO2 (ppb)</th> <th>NO (ppb)</th> <th>NOx (ppb)</th> <th>O3 (ppb)</th> <th>SO2 (ppb)</th> </tr> </thead> <tbody> <tr> <td>9:00:00</td> <td>0.10</td> <td>0.4</td> <td>0.0</td> <td>2.2</td> <td>0.8</td> <td>3.0</td> <td>34.4</td> <td>0.8</td> </tr> <tr> <td>10:00:00</td> <td>0.09</td> <td>0.3</td> <td>1.0</td> <td>2.8</td> <td>1.8</td> <td>4.6</td> <td>36.1</td> <td>0.9</td> </tr> <tr> <td>11:00:00</td> <td>0.09</td> <td>0.0</td> <td>4.0</td> <td>2.6</td> <td>2.0</td> <td>4.6</td> <td>37.5</td> <td>0.8</td> </tr> <tr> <td>12:00:00</td> <td>0.14</td> <td>0.0</td> <td>3.0</td> <td>2.1</td> <td>0.8</td> <td>2.8</td> <td>40.8</td> <td>0.8</td> </tr> </tbody> </table> <p><i>BTEX measured but not detected during this period.</i></p>								Date	Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	O3 (ppb)	SO2 (ppb)	1-24-2020	9:51-10:29	0.3	4.1	-	29.6	1.5	1.9	1-29-2020	9:49-10:32	0.25	2.4	-	-	9.5	1.6	2-4-2020	10:33-11:11	0.09	1.0	5.8	3.45	28.7	0.0	Time	CO (ppm)	H2S (ppb)	PM2.5 (µg/m³)	NO2 (ppb)	NO (ppb)	NOx (ppb)	O3 (ppb)	SO2 (ppb)	9:00:00	0.10	0.4	0.0	2.2	0.8	3.0	34.4	0.8	10:00:00	0.09	0.3	1.0	2.8	1.8	4.6	36.1	0.9	11:00:00	0.09	0.0	4.0	2.6	2.0	4.6	37.5	0.8	12:00:00	0.14	0.0	3.0	2.1	0.8	2.8	40.8	0.8
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8a .	All hourly data from the PM2.5 monitors at Grimmway Academy and the DMV site	Monitoring	<p>Real-time PM2.5 air monitoring data and air monitoring updates that have been reported quarterly at CSC meetings are available here:</p> <p>http://community.valleyair.org/selected-communities/shafter/air-monitoring/</p> <p>All monitored hourly values are being uploaded to the CARB AQView site on a monthly basis and are available for download here:</p> <p>https://aqview.arb.ca.gov/data.html</p>										
8b .	Please provide DMV information about the number of private vehicles registered in Shafter by age	Vehicle Data	<p>CARB has summarized vehicle population data using 2018 registration data from the California Department of Motor Vehicles (DMV) for ZIP Code 93263 in the Shafter 7-mile radius. The table below provides passenger vehicle population based on registration data. Additionally , for your reference, CARB has also summarized vehicle population data by model year for all on-road vehicles in Zip Code 93263; please see attached Excel file “Shafter Vehicle Population for ZIP Code 93263”. Please note that unlike passenger vehicles, many of the on-road vehicle categories (e.g., trucks) may not always operate where they are registered.</p> <table border="1" data-bbox="783 943 1734 1170"> <thead> <tr> <th>Passenger Cars Registered*</th> <th>5,711</th> </tr> </thead> <tbody> <tr> <td><i>Gasoline Internal Combustion Engines (ICE)</i></td> <td>5,680</td> </tr> <tr> <td><i>Diesel ICE</i></td> <td>11</td> </tr> <tr> <td><i>Plug-in Hybrid Electric Vehicles (PHEV - Gasoline)</i></td> <td>14</td> </tr> <tr> <td><i>Battery Electric Vehicles</i></td> <td>6</td> </tr> </tbody> </table> <p>Note: Vehicle registration data was aggregated only for ZIP Code 93263. We did not include data for ZIP Codes 93206, 93250, 93280, 93308, 93314 which partially lie within the 7-mile radius.</p> <p>Please see map on next page.</p>	Passenger Cars Registered*	5,711	<i>Gasoline Internal Combustion Engines (ICE)</i>	5,680	<i>Diesel ICE</i>	11	<i>Plug-in Hybrid Electric Vehicles (PHEV - Gasoline)</i>	14	<i>Battery Electric Vehicles</i>	6
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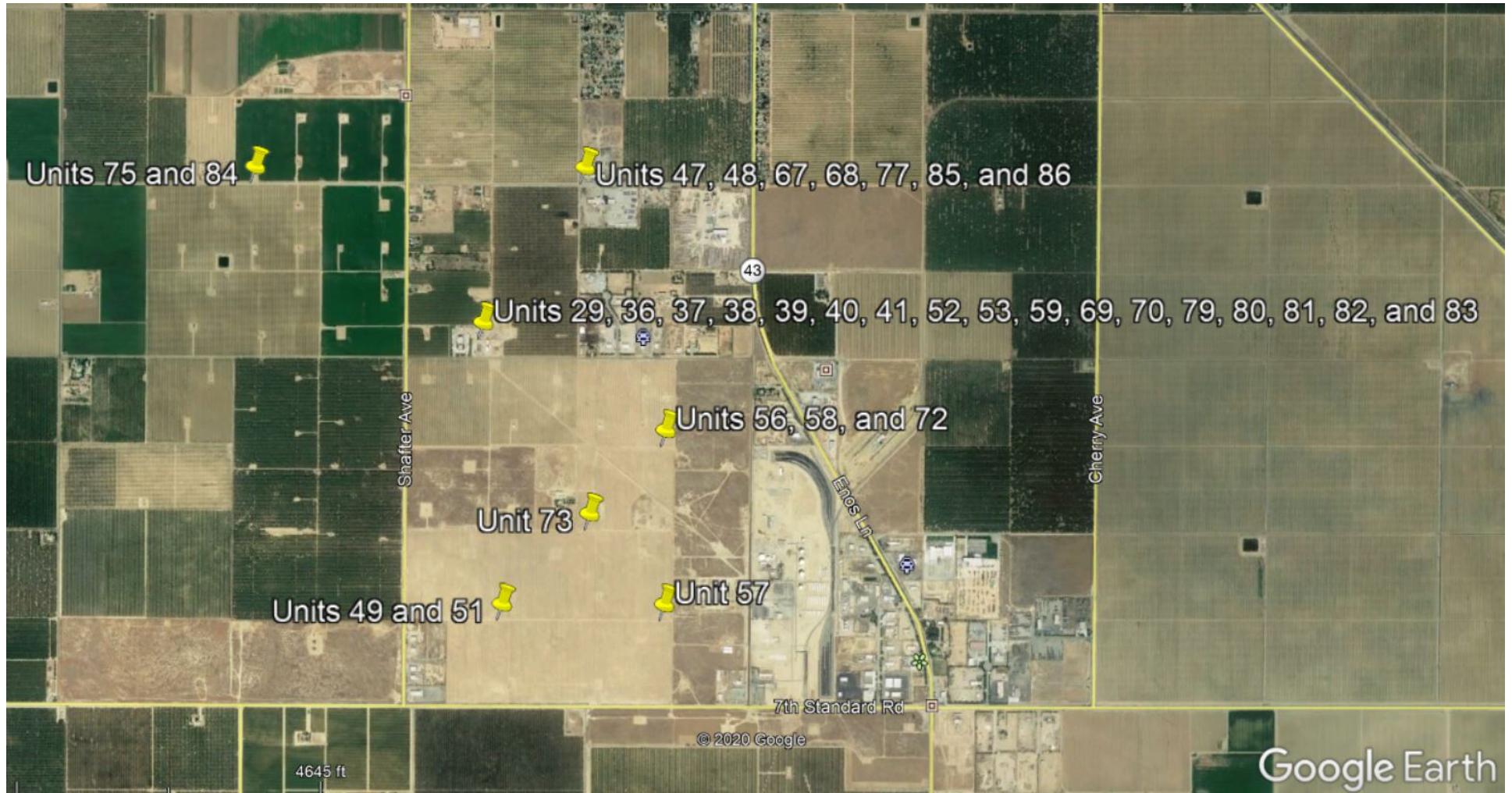
AB 617 Emission Inventory for Shafter
Letter from Tom Frantz, Gustavo Aguirre, Jr, Byanka Santoyo



	Question	Topic/Category	Response																									
9.	How many yard locomotives are being currently used more than 100 hours per year (or some other comparative number) within the 7-mile radius and what tier engines do they each have?	Yard Locomotives	<p>CARB does not have information on locomotive activity in the Shafter community; however, for your reference, we have attached a map that includes an inventory of how many railyards surround the community, including Class 3 and Military/Industrial railyards. Please see attached PDF “Railyard Summary Maps for Shafter” starting on page A-18.</p> <p>Additionally, as part of implementing the CERP, the District will be working with local rail yards and locomotive companies to implement emission reduction opportunities identified in the CERP, including examining the potential and feasibility of replacing older, high-polluting railyard switchers with the cleanest available technology near the community of Shafter.</p>																									
10	How many yard tractors are being currently used more than 100 hours per year (or some other comparative number) within the 7-mile radius?	Yard Tractors	<p>CARB does not collect detailed facility specific data on yard tractors. However, CARB’s In-Use Off-Road Diesel-Fueled Fleets Regulation (Off-road Regulation) and Mobile Cargo Handling Equipment Regulation do have reporting requirements for fleets subject to these regulations. Based on fleets who have reported in the Diesel Off-Road Online Reporting System (DOORS), the reporting system for the Off-Road Regulation, there are four yard trucks reported for ZIP Codes 93314 and 93308. Please note that under this regulation, fleets do not have to report where the vehicles are being used, rather they are reported as a statewide fleet under the company location. Some fleets may report by location, but not all. Fleets also do not report usage information, unless they are claiming low-use which is less than 200 hours/year.</p> <p>The table below lists the company name and address for the four yard trucks reported in DOORS. However, none of these locations fall within the Shafter 7-mile radius. The closest facility is about 0.85 miles outside the boundary, Frito-Lay facility at 28801 Highway 58. The others are more than 3 miles away.</p> <table border="1" data-bbox="783 1084 2060 1323"> <thead> <tr> <th>Company name</th> <th>Mailing address</th> <th>City</th> <th>State</th> <th>ZIP</th> </tr> </thead> <tbody> <tr> <td>Johasee Rebar, LP</td> <td>18059 Rosedale Hwy</td> <td>Bakersfield</td> <td>CA</td> <td>93314</td> </tr> <tr> <td>Frito-Lay North America, Inc.</td> <td>28801 Highway 58</td> <td>Bakersfield</td> <td>CA</td> <td>93314</td> </tr> <tr> <td>Frito-Lay North America, Inc.</td> <td>28801 Highway 58</td> <td>Bakersfield</td> <td>CA</td> <td>93314</td> </tr> <tr> <td>C&J Well Services, Inc.</td> <td>7515 Rosedale Highway</td> <td>Bakersfield</td> <td>CA</td> <td>93308</td> </tr> </tbody> </table>	Company name	Mailing address	City	State	ZIP	Johasee Rebar, LP	18059 Rosedale Hwy	Bakersfield	CA	93314	Frito-Lay North America, Inc.	28801 Highway 58	Bakersfield	CA	93314	Frito-Lay North America, Inc.	28801 Highway 58	Bakersfield	CA	93314	C&J Well Services, Inc.	7515 Rosedale Highway	Bakersfield	CA	93308
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11	<p>Please provide detailed information about all air district or CARB incentive funding spent during the past five years within the 7-mile radius of Shafter including the type of equipment replaced, dollar amounts, quantities, and emission reductions. With the emission reductions show emissions reduced compared to incentive money spent and details, including formulas, of how these numbers were calculated.</p>	<p>Incentives</p>	<p>The table below summarizes the incentive projects within the 7-mile radius over the last 5 years. Emission reductions were calculated using approved program calculation methodology.</p> <table border="1" data-bbox="871 370 1974 699"> <thead> <tr> <th>Program Type</th> <th>Number of Contracts</th> <th>Dollar Amount of Contracts</th> <th>Lifetime Emission Reductions (Tons of NOX, ROG, PM)</th> </tr> </thead> <tbody> <tr> <td>Burn Cleaner</td> <td>41</td> <td>\$92,500</td> <td>16.71</td> </tr> <tr> <td>Heavy Duty Diesel</td> <td>122</td> <td>\$6,073,914.55</td> <td>551.44</td> </tr> <tr> <td>Lawn and Garden</td> <td>6</td> <td>\$975.00</td> <td>0.00</td> </tr> <tr> <td>Passenger Vehicles</td> <td>38</td> <td>\$181,080.00</td> <td>.47</td> </tr> <tr> <td>Public Benefit</td> <td>11</td> <td>\$165,555.94</td> <td>.00</td> </tr> <tr> <td>Total</td> <td>218</td> <td>\$6,514,025.49</td> <td>568.63</td> </tr> </tbody> </table> <p>Please see attached spreadsheet titled “Shafter Incentives” starting on page A-20 for more information.</p>	Program Type	Number of Contracts	Dollar Amount of Contracts	Lifetime Emission Reductions (Tons of NOX, ROG, PM)	Burn Cleaner	41	\$92,500	16.71	Heavy Duty Diesel	122	\$6,073,914.55	551.44	Lawn and Garden	6	\$975.00	0.00	Passenger Vehicles	38	\$181,080.00	.47	Public Benefit	11	\$165,555.94	.00	Total	218	\$6,514,025.49	568.63
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JP Oil Unit Locations and Emissions Information



Facility Totals

CAS	Pollutant Name	Emissions			
42101	Carbon Monoxide	1.46E+01	TONS-YR	1.18E-02	TONS-HR
42603	Oxides of Nitrogen	8.89E-01	TONS-YR	2.11E-03	TONS-HR
42401	Oxides of sulfur	2.96E-01	TONS-YR	1.55E-04	TONS-HR
85101	Particulate Matter (10 Microns or Less)	3.12E+00	TONS-YR	5.25E-04	TONS-HR
16113	Reactive Organic Gas	1.99E+00	TONS-YR	1.30E-04	TONS-HR
75070	Acetaldehyde	5.70E-01	LB-YR	1.96E-03	LB-HR
107028	Acrolein	1.33E-01	LB-YR	4.56E-04	LB-HR
71432	Benzene	2.11E+00	LB-YR	7.25E-03	LB-HR
100414	Ethyl benzene	1.91E+01	LB-YR	6.57E-02	LB-HR
50000	Formaldehyde	1.55E+01	LB-YR	5.34E-02	LB-HR
110543	Hexane	3.85E-01	LB-YR	1.32E-03	LB-HR
91203	Naphthalene	1.46E-01	LB-YR	5.02E-04	LB-HR
1151	PAHs, total, w/o individ. components reported [Treated	1.86E-01	LB-YR	6.39E-04	LB-HR
115071	Propylene	3.24E+01	LB-YR	1.11E-01	LB-HR
108883	Toluene	7.69E-01	LB-YR	2.65E-03	LB-HR
1330207	Xylenes (mixed)	3.85E-01	LB-YR	1.32E-03	LB-HR

MT = Metric Ton = 2,204.6 pounds

Emission Statement - Calendar Year 2018 Emissions

Date 2/28/2019
Time 1:50:49 PM

Facility ID # : S-2865
TAD # : 15-2865
SIC : 1311
Facility Name : J P OIL COMPANY INC
Toxic ID # :

UTM

Zone : 11
East : 248.33252
North : 3900.9112

Please return to:
San Joaquin Valley Unified APCD
1990 East Gettysburg Avenue
Fresno, CA 93726

Check Box If Process Rates are Confidential :

Device ID #	Process Number	Equipment Type	Yearly Process Rate	Units	NOX lb / Unit	VOC Lb / Unit	SOX lb / Unit	CO lb / Unit	PM10 Lb / Unit	NH3* Lb / Unit	* Please Note: Emissions for NH3 are reported in Lbs / Year.
				Source Classification Code							
29	1	Truck Loadout- OIL	8668.63	1000 GALS TRANSFERRED	0.00	0.18	0.00	0.00	0.00	0.00	Tons/Yr.
				40400150	0.00	0.78	0.00	0.00	0.00	0.00	
36	2	49.9 MMBtu/Hr Flare - Produced Gas Combustion	13.26	MILLION CUBIC FEET BURNED	91.20	3.63	5.72	469.20	10.19	0.00	Tons/Yr.
				30600904	0.60	0.02	0.04	3.11	0.07	0.00	
37	1	31,500 Gal Fixed Roof Oil Wash Tank#5	8668.63	1000 GALLONS THROUGHPUT	0.00	0.02	0.00	0.00	0.00	0.00	Tons/Yr.
				40301012	0.00	0.09	0.00	0.00	0.00	0.00	
38	1	750 BBL Fixed Roof Oil Storage Tank#1	1444.77	1000 GALLONS THROUGHPUT	0.00	0.13	0.00	0.00	0.00	0.00	Tons/Yr.
				40301012	0.00	0.09	0.00	0.00	0.00	0.00	
39	1	750 BBL Fixed Roof Oil Storage Tank#2	1444.77	1000 GALLONS THROUGHPUT	0.00	0.13	0.00	0.00	0.00	0.00	Tons/Yr.
				40301012	0.00	0.09	0.00	0.00	0.00	0.00	
40	1	750 BBL Fixed Roof Oil Storage Tank#3	1444.77	1000 GALLONS THROUGHPUT	0.00	0.13	0.00	0.00	0.00	0.00	Tons/Yr.
				40301012	0.00	0.09	0.00	0.00	0.00	0.00	
41	1	750 BBL Fixed Roof Oil Storage Tank#4	1444.77	1000 GALLONS THROUGHPUT	0.00	0.13	0.00	0.00	0.00	0.00	Tons/Yr.
				40301012	0.00	0.09	0.00	0.00	0.00	0.00	
47	1	195 bhp IC Engine - Field Gas-Rich Burn (SN 86386)	7.64	MILLION CUBIC FT BURNED	24.95	0.04	2.55	144.05	29.84	0.00	Tons/Yr.
				20200702	0.10	0.00	0.01	0.55	0.11	0.00	
48	1	195 bhp IC Engine - Field Gas-Rich Burn	12.11	MILLION CUBIC FT BURNED	0.40	0.04	2.23	112.61	29.84	0.00	Tons/Yr.
				20200702	0.00	0.00	0.01	0.68	0.18	0.00	
49	1	195 bhp IC Engine - Field Gas-Rich Burn	12.03	MILLION CUBIC FT BURNED	0.72	0.04	2.23	65.26	29.84	0.00	Tons/Yr.
				20200702	0.00	0.00	0.01	0.39	0.18	0.00	
51	1	195 bhp IC Engine - Field Gas-Rich Burn	12.12	MILLION CUBIC FT BURNED	0.52	0.64	2.55	201.35	29.84	0.00	Tons/Yr.
				20200702	0.00	0.00	0.02	1.22	0.18	0.00	
52	1	750 BBL Fixed Roof Oil Storage Tank#5	1444.77	1000 GALLONS THROUGHPUT	0.00	0.13	0.00	0.00	0.00	0.00	Tons/Yr.
				40301012	0.00	0.09	0.00	0.00	0.00	0.00	
53	1	750 BBL Fixed Roof Oil Storage Tank#6	1444.77	1000 GALLONS THROUGHPUT	0.00	0.13	0.00	0.00	0.00	0.00	Tons/Yr.
				40301012	0.00	0.09	0.00	0.00	0.00	0.00	
55	1	195 bhp IC Engine - Field Gas-Rich Burn	12.15	MILLION CUBIC FT BURNED	0.36	3.18	2.39	108.63	29.84	0.00	Tons/Yr.
				20200702	0.00	0.02	0.01	0.66	0.18	0.00	
56	1	195 bhp IC Engine - Field Gas-Rich Burn	11.47	MILLION CUBIC FT BURNED	0.12	0.52	2.23	83.96	29.84	0.00	Tons/Yr.
				20200702	0.00	0.00	0.01	0.48	0.17	0.00	
57	1	195 bhp IC Engine - Field Gas-Rich Burn	0.26	MILLION CUBIC FT BURNED	3.58	1.19	3.18	39.00	29.84	0.00	Tons/Yr.
				20200702	0.00	0.00	0.00	0.01	0.00	0.00	
58	1	195 bhp IC Engine - Field Gas-Rich Burn	12.14	MILLION CUBIC FT BURNED	0.20	1.19	3.18	71.63	29.84	0.00	Tons/Yr.
				20200702	0.00	0.01	0.02	0.43	0.18	0.00	
59	1	195 bhp IC Engine - Field Gas-Rich Burn	12.10	MILLION CUBIC FT BURNED	0.12	0.04	2.55	131.32	65.66	0.00	Tons/Yr.
				20200702	0.00	0.00	0.02	0.79	0.40	0.00	

69	1	195 bhp IC Engine - Field Gas-Rich Burn	12.10	MILLION CUBIC FT BURNED	3.69	9.01	2.46	120.80	30.71	0.00	Tons/Yr.
				20200702	0.02	0.05	0.01	0.73	0.19	0.00	
70	1	195 bhp IC Engine - Field Gas-Rich Burn	11.87	MILLION CUBIC FT BURNED	0.84	4.38	2.39	163.55	29.84	0.00	Tons/Yr.
				20200702	0.00	0.03	0.01	0.97	0.18	0.00	
72	1	215 bhp IC Engine - Field Gas-Rich Burn	12.21	MILLION CUBIC FT BURNED	0.48	7.04	3.02	58.89	29.84	0.00	Tons/Yr.
				20200702	0.00	0.04	0.02	0.36	0.18	0.00	
73	1	215 bhp IC Engine - Field Gas-Rich Burn	12.10	MILLION CUBIC FT BURNED	0.08	3.50	3.10	149.22	29.84	0.00	Tons/Yr.
				20200702	0.00	0.02	0.02	0.90	0.18	0.00	
75	1	215 bhp IC Engine - Field Gas-Rich Burn	3.18	MILLION CUBIC FT BURNED	5.89	15.86	4.31	90.08	24.84	0.00	Tons/Yr.
				20200702	0.01	0.03	0.01	0.14	0.04	0.00	
77	1	215 bhp IC Engine - Field Gas-Rich Burn	11.93	MILLION CUBIC FT BURNED	11.98	1.39	2.23	181.06	29.84	0.00	Tons/Yr.
				20200702	0.07	0.01	0.01	1.08	0.18	0.00	
78	1	195 bhp IC Engine - Field Gas-Rich Burn	12.25	MILLION CUBIC FT BURNED	8.87	0.04	2.31	78.39	29.84	0.00	Tons/Yr.
				20200702	0.05	0.00	0.01	0.48	0.18	0.00	
79	1	750 BBL Salt Water Disposal Tank #3	10501.84	1000 GALLONS THROUGHPUT	0.00	0.00	0.00	0.00	0.00	0.00	Tons/Yr.
				40301099	0.00	0.00	0.00	0.00	0.00	0.00	
80	1	750 BBL Salt Water Disposal Tank #5	10501.84	1000 GALLONS THROUGHPUT	0.00	0.00	0.00	0.00	0.00	0.00	Tons/Yr.
				40301099	0.00	0.00	0.00	0.00	0.00	0.00	
81	1	750 BBL Salt Water Disposal Tank #2	10501.84	1000 GALLONS THROUGHPUT	0.00	0.00	0.00	0.00	0.00	0.00	Tons/Yr.
				40301099	0.00	0.00	0.00	0.00	0.00	0.00	
82	1	750 BBL Salt Water Disposal Tank #6	10501.84	1000 GALLONS THROUGHPUT	0.00	0.00	0.00	0.00	0.00	0.00	Tons/Yr.
				40301099	0.00	0.00	0.00	0.00	0.00	0.00	
83	1	750 BBL Salt Water Disposal Tank #4	10501.84	1000 GALLONS THROUGHPUT	0.00	0.00	0.00	0.00	0.00	0.00	Tons/Yr.
				40301099	0.00	0.00	0.00	0.00	0.00	0.00	
84	1	195 bhp IC Engine - Field Gas-Rich Burn	12.09	MILLION CUBIC FT BURNED	0.44	39.79	4.78	141.66	29.84	0.00	Tons/Yr.
				20200702	0.00	0.24	0.03	0.86	0.18	0.00	
85	1	225 bhp IC Engine - Field Gas-Rich Burn	10.38	MILLION CUBIC FT BURNED	0.99	15.08	2.67	140.07	29.84	0.00	Tons/Yr.
				20200702	0.01	0.08	0.01	0.73	0.15	0.00	
86	1	215 bhp IC Engine - Field Gas-Rich Burn	9.79	MILLION CUBIC FEET	0.00	0.00	0.00	0.00	0.00	0.00	Tons/Yr.
				20200202	0.00	0.00	0.00	0.00	0.00	0.00	
Totals For the Facility (Tons/Year)					0.89	1.99	0.30	14.58	3.12	0.00	

Contact	Cal Seneca
Company	J P OIL COMPANY INC
Address	P O BOX 52584
City,State,Zip	LAFAYETTE, LA 70505
Telephone	(337) 234-1170
Email Address	cseneca@jpoil.com
Location of facility if different from above	LIGHT OIL CENTRAL

FACILITY WIDE RELATIVE MONTHLY ACTIVITY

If the facility has the same operating schedule year round, then check the Default Monthly Activity box. Otherwise, provide the percentage and months the facility operates. Note: The total percentage for the year must add up to 100%.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
X	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
	0	0	0	0	0	0	0	0	0	0	0	0

Daily Activity
Please indicate normal operating schedule:

**Number of hours
worked each
day:**

24	Sunday
24	Monday
24	Tuesday
24	Wednesday
24	Thursday
24	Friday
24	Saturday

Facility Emissions

District Permitted Facilities Within Shafter Boundary NOx tons per year

DISTRICT REGION	DISTRICT ID	Ag facility	FACILITY NAME	FACILITY DESCRIPTION	ACTIVE PERMITS COUNT	2017
S	2183		AHDI ENTERPRISES CORP DBA SHAFTER SHELL	GASOLINE DISPENSING	1	
S	8291		BROWN - BRYANT	SOIL AND GROUNDWATER REMEDIATION	1	
S	1737		CA RESOURCES PRODUCTION CORP (N WASCO - MERCED AVE)	CRUDE OIL AND NATURAL GAS PRODUCTION	6	2.096
S	1737		CA RESOURCES PRODUCTION CORP (N WASCO - OAK CT)	CRUDE OIL AND NATURAL GAS PRODUCTION	1	
S	3701		CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.012
S	3745		CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.005
S	3362		CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.027
S	3364		CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.026
S	3365		CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.019
S	2599		CODE PRECAST PRODUCTS INC	CONCRETE BATCH PLANT	2	
S	7322		CON-FAB CALIFORNIA LLC	CONCRETE PRODUCTS	7	0.031
S	8952		FOREVERBOARD CALIFORNIA INC	DRYWALL MANUFACTURING	1	
S	2139		FOX PETROLEUM INC.	GASOLINE DISPENSING	1	
S	6593		GLOBAL FABRICATORS	METAL FABRICATION	3	
S	8071		GOLDEN LIVING CENTER - SHAFTER	SKILLED NURSING CARE FACILITY	1	0.003
S	8067		GREG'S PETROLEUM	GASOLINE DISPENSING FACILITY	1	
S	3474		HELENA CHEMICAL COMPANY	AGRICULTURAL CHEMICALS	1	
S	2369		JACO HILL	GASOLINE DISPENSING	1	
S	2417		JEFFRIES BROTHERS INC	GASOLINE DISPENSING	1	
S	239		JIFFY'S STORE	GASOLINE DISPENSING	1	
S	3881		JOSE LUIS ALBERTO	AUTO BODY COATING OPERATION	1	
S	2443		KERN COUNTY FIRE STATION #32	FIRE PROTECTION	1	
S	105		MEYER'S BIG STOP	GASOLINE DISPENSING	1	
S	7801		OMNI FAMILY HEALTH	HEALTH AND ALLIED SERVICES	2	0.003
S	1167		PACIFIC BELL TELEPHONE CO (DBA AT-T CA)	TELECOMMUNICATIONS	1	0.015
S	1288		S - J QUICK STOP	GASOLINE DISPENSING	1	
S	1732		S & A MARKET	GASOLINE DISPENSING	1	
S	7834		SHAFTER COLLISION	AUTOMOTIVE BODY REPAIR AND PAINT SHOP	1	
S	539		SHAFTER-WASCO GINNING COMPANY	COTTON GINNING	2	
S	7041		SHAR CRAFT, INC.	SPECIAL TRADE CONTRACTORS	4	
S	7674		VERIZON WIRELESS "NORTH SHAFTER"	TELECOMMUNICATIONS	1	0.002
S	1301		WILBUR-ELLIS COMPANY	AGRICULTURAL CHEMICALS	1	

Facility with Modified Operating Schedule													Total
Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	
												2.096	
0.17463	0.17463	0.17463	0.17463	0.17463	0.17463	0.17463	0.17463	0.17463	0.17463	0.17463	0.17463	2.096	
0.00098	0.00098	0.00098	0.00098	0.00098	0.00098	0.00098	0.00098	0.00098	0.00098	0.00098	0.00098	0.012	
0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.005	
0.00228	0.00228	0.00228	0.00228	0.00228	0.00228	0.00228	0.00228	0.00228	0.00228	0.00228	0.00228	0.027	
0.00213	0.00213	0.00213	0.00213	0.00213	0.00213	0.00213	0.00213	0.00213	0.00213	0.00213	0.00213	0.026	
0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.019	
0.00087	0.00102	0.00158	0.00167	0.00185	0.00232	0.00226	0.00346	0.00337	0.00433	0.00426	0.00392	0.031	
0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.003	
0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.003	
0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.015	
0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.002	
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.000	
												2.239	

District Permitted Facilities Within 7-Mile Radius NOx tons per year

DISTRICT REGION	DISTRICT ID	Ag facility	FACILITY NAME	FACILITY DESCRIPTION	ACTIVE PERMITS COUNT	2017
S	9156		ALLIANCE READY MIX, INC.	CONCRETE BATCH PLANT	4	
S	4152		APSG WHOLESALE	AUTO BODY SPRAY COATING	2	
S	7573		ARGO CHEMICAL INC	CHEMICAL RECEIVING, STORAGE, AND DISTRIBUTION	2	0.000
S	3161		AT-T MOBILITY	TELECOMMUNICATIONS	1	0.002
S	6698		AT-T MOBILITY	TELECOMMUNICATIONS	1	0.012
S	5211	X	AUKEMAN DAIRY	DAIRY FARMS	6	
S	8022		BAKER HUGHES OILFIELD OPERATIONS LLC	CHEMICAL RECEIVING, STORAGE AND DISTRIBUTION	2	
S	1392		BAYER CROP SCIENCE	AGRICULTURAL PRODUCTS PROCESSING	2	0.023
S	704		BAYER CROPSCIENCE	COTTON GINNING	1	
S	2501		BIDART COLD STORAGE INC	AGRICULTURAL PRODUCTS	2	
S	1872		BKSFD QUALITY DISTRIBUTION CENTER INC	AGRICULTURAL PRODUCTS PREPARATION	4	
S	7351		B-L CASING SERVICE, LLC	OIL AND GAS FIELD SERVICES	1	
S	3461		BUILDING MATERIALS MFG. CORP. (dba GAF)	FIBERGLASS MAT MANUFACTURING OPERATION	3	0.001
S	1737		CA RESOURCES PRODUCTION CORP (N WASCO - JACK AVE)	CRUDE OIL AND NATURAL GAS PRODUCTION	2	
S	1737		CA RESOURCES PRODUCTION CORP (N WASCO - MANNEL AVE)	CRUDE OIL AND NATURAL GAS PRODUCTION	4	
S	1737		CA RESOURCES PRODUCTION CORP (N WASCO - SHAFTER AV)	CRUDE OIL AND NATURAL GAS PRODUCTION	2	
S	7895		CAL COAST ACIDIZING SERVICE	OIL & GAS FIELD SERVICES	2	
S	7122		CALIFORNIA PAPER PRODUCTS, LLC	ASPHALT FELTS AND COATINGS	2	0.319
S	3915		CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.060
S	6910		CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.037
S	8394		CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.005
S	9051		CLEAN ENERGY SYSTEMS KIMBERLINA, INC.	BIOGAS UPGRADING PLANT	2	
S	6849		CLEAN ENERGY SYSTEMS, INC.	ELECTRIC POWER GENERATION	1	

Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.000
0.00012	0.00023	0.00012	0.00012	0.00012	0.00012	0.00012	0.00023	0.00012	0.00012	0.00012	0.00012	0.002
0.00035	0.00042	0.00259	0.00039	0.00046	0.00046	0.00039	0.00046	0.00452	0.00108	0.00039	0.00000	0.012
0.00290	0.00290	0.00290	0.00290	0.00290	0.00000	0.00000	0.00000	0.00000	0.00290	0.00290	0.00290	0.023
0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.001
0.02550	0.02869	0.01913	0.04144	0.02869	0.02869	0.02550	0.02550	0.02231	0.03507	0.01913	0.01913	0.319
0.00498	0.00498	0.00498	0.00498	0.00498	0.00498	0.00498	0.00498	0.00498	0.00498	0.00498	0.00498	0.060
0.00309	0.00309	0.00309	0.00309	0.00309	0.00309	0.00309	0.00309	0.00309	0.00309	0.00309	0.00309	0.037
0.00042	0.00042	0.00042	0.00042	0.00042	0.00042	0.00042	0.00042	0.00042	0.00042	0.00042	0.00042	0.005

Facility Emissions

DISTRICT REGION	DISTRICT ID	Ag facility	FACILITY NAME	FACILITY DESCRIPTION	ACTIVE PERMITS COUNT	2017	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	
S	6935		DENBESTE MANUFACTURING, INC.	METAL PARTS AND PRODUCTS COATING OPERATION	1															
S	2813		DJ'S FOOD MART	GASOLINE DISPENSING	1															
S	2033		ELK CORPORATION OF TEXAS	ASPHALT FELTS AND COATINGS	12	0.413	0.03443	0.03443	0.03443	0.03443	0.03443	0.03443	0.03443	0.03443	0.03443	0.03443	0.03443	0.03443	0.03443	0.413
S	6639	X	FAIAL FARMS 2	DAIRY	6															
S	3860		GMC ROOFING - PAPER PRODUCTS	ASPHALT FELTS AND COATINGS	7															
S	1183		GOLDEN EMPIRE CONCRETE COMPANY	READY-MIX CONCRETE	4															
S	5281		HYPONEX CORPORATION	AGRICULTURAL CHEMICALS	8															
S	4283		INDUSTRIAL DESIGN - CONSTRUCTION INC	METAL PARTS AND PRODUCTS COATING	1															
S	1736		INLAND CROP DUSTER INC	CROP SERVICES - AERIAL DUSTING	2															
S	4291		J. R. BODY WORK'S VOC EDUCATION	AUTO BODY SPRAY COATING	1															
S	2360		JACO HILL	GASOLINE DISPENSING	1															
S	8716		JEFFRIES BROTHERS INC	COMMUNICATION SERVICES	1	0.000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.000
S	2865		JP OIL CO INC	OIL & GAS PRODUCTION	35	0.449	0.03740	0.03740	0.03740	0.03740	0.03740	0.03740	0.03740	0.03740	0.03740	0.03740	0.03740	0.03740	0.03740	0.449
S	8561		JP OIL CO INC	NATURAL GAS PROCESSING	4															
S	3778		JR SIMPLOT CO/SIMPLOT GROWER SOLUTIONS	PHOSPHATIC FERTILIZERS	3															
S	7433		KERN SCHOOLS FEDERAL CREDIT UNION	CREDIT UNION	1	0.008	0.00064	0.00064	0.00064	0.00080	0.00064	0.00064	0.00080	0.00064	0.00064	0.00080	0.00064	0.00080	0.00064	0.008
S	7516		LARRY BASHOR SANDBLASTING	ABRASIVE BLASTING AND SPRAY PAINTING	5															
S	3562		LERDO CHEVRON	GASOLINE DISPENSING	1															
S	9202		LKMP PROPERTIES	GASOLINE DISPENSING	1															
S	7748		LUFKIN INDUSTRIES INC.	OILFIELD SERVICES	2															
S	4803	X	MARTIN HEIN RANCH COMPANY - PA2	AGRICULTURAL CROP PRODUCTION	10	2.837	0.23644	0.23644	0.23644	0.23644	0.23644	0.23644	0.23644	0.23644	0.23644	0.23644	0.23644	0.23644	0.23644	2.837
S	7995		M-I SWACO	OIL AND GAS FIELD SERVICES	12															
S	8		NIKKEL IRON WORKS INC	FABRICATED METAL PRODUCTS	2															
S	7876		NORRIS PRODUCTION SOLUTIONS	METAL PARTS AND PRODUCTS COATING OPERATION	1															
S	1316		NORTH OF RIVER SANITARY DIST	SEWERAGE SYSTEM	3	0.667	0.05557	0.05557	0.05557	0.05557	0.05557	0.05557	0.05557	0.05557	0.05557	0.05557	0.05557	0.05557	0.05557	0.667
S	5141	X	OASIS HOLSTEIN DAIRY	DAIRY FARM	6															
S	6058	X	OHANNESON ENTERPRISES	GENERAL FARMS, PRIMARILY CROP	5															
S	4170		PAGE INDUSTRIAL SERVICES INC	AUTO BODY SPRAY COATING	2	0.493	0.04111	0.04111	0.04111	0.04111	0.04111	0.04111	0.04111	0.04111	0.04111	0.04111	0.04111	0.04111	0.04111	0.493
S	6646		PERFORMANCE FOOD GROUP	GROCERIES, WHOLESALE	1	0.374	0.03113	0.03113	0.03113	0.03113	0.03113	0.03113	0.03113	0.03113	0.03113	0.03113	0.03113	0.03113	0.03113	0.374
S	5257		PHOENIX CEMENT COMPANY	CONSTRUCTION MATERIALS	2															
S	2012		PILOT TRAVEL CENTERS LLC	GASOLINE DISPENSING	1															
S	71		PLAINS LPG SERVICES LP	NATURAL GAS PRODUCTION	28	11.531	0.96093	0.96093	0.96093	0.96093	0.96093	0.96093	0.96093	0.96093	0.96093	0.96093	0.96093	0.96093	0.96093	11.531
S	3919		PREMIER SANDS LLC	SAND AND GRAVEL	23															
S	7886		RESA POWER SOLUTIONS	ELECTRICAL SERVICES	1															
S	8480		ROLL REAL ESTATE DEVELOPMENT LLC	DISTRIBUTION CENTER	2															
S	8529		ROSS STORES INC	DISTRIBUTION CENTER	3	0.117	0.00972	0.00972	0.00972	0.00972	0.00972	0.00972	0.00972	0.00972	0.00972	0.00972	0.00972	0.00972	0.00972	0.117
S	872		SAVAGE COAL SERVICE CORP	NONMETALLIC MINERALS	7	0.005	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.005
S	82		SHELL PIPELINE COMPANY LP	PETROLEUM PIPELINES	3	0.047	0.00388	0.00388	0.00388	0.00388	0.00388	0.00388	0.00388	0.00388	0.00388	0.00388	0.00388	0.00388	0.00388	0.047
S	876		SJV QUALITY COTTON	FEDERAL GOVERNMENT RESEARCH	2															
S	6706	X	SKYVIEW DAIRY	DAIRY FARMS	7															
S	3152		SOUTH VALLEY ALMOND COMPANY LLC	TREE NUTS	6															
S	4755	X	STARRH and STARRH COTTON GROWERS	COTTON FARM	43															
S	4297		SUN WORLD INTERNATIONAL	AGRICULTURAL PRODUCTS PROCESSING	4	0.004	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.004
S	3934		TARGET DISTRIBUTION CENTER	DEPARTMENT STORE	3	0.185	0.01543	0.01543	0.01543	0.01543	0.01543	0.01543	0.01543	0.01543	0.01543	0.01543	0.01543	0.01543	0.01543	0.185
S	5060	X	TJAARDA DAIRY	DAIRY FARMS	10															
S	3395		VERIZON WIRELESS- SHAFER	TELECOMMUNICATIONS	1	0.002	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.002
S	8231		WEATHERFORD ARTIFICIAL LIFT SYSTEMS, LLC	OIL AND GAS FIELD SERVICE	6															
S	2935		WEST COAST PIPE INSPECTION	GASOLINE DISPENSING	1															
S	8367		WONDERFUL ORCHARDS LLC	AGRICULTURAL PRODUCTS PROCESSING	1															
S	9080		WONDERFUL REAL ESTATE	GENERAL WAREHOUSING AND STORAGE	1															
S	9081		WONDERFUL REAL ESTATE	GENERAL WAREHOUSING AND STORAGE	1															
																			17.590	

Facility Emissions

District Permitted Facilities Within Shafter Boundary PM2.5 tons per year

DISTRICT REGION	DISTRICT ID	FACILITY NAME	FACILITY DESCRIPTION	ACTIVE PERMITS COUNT	2017	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
S	2183	AHDI ENTERPRISES CORP DBA SHAFTER SHELL	GASOLINE DISPENSING	1														
S	8291	BROWN - BRYANT	SOIL AND GROUNDWATER REMEDIATION	1														
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - MERCED AV)	CRUDE OIL AND NATURAL GAS PRODUCTION	6	0.616	0.05136	0.05136	0.05136	0.05136	0.05136	0.05136	0.05136	0.05136	0.05136	0.05136	0.05136	0.05136	0.616
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - OAK CT)	CRUDE OIL AND NATURAL GAS PRODUCTION	1														
S	3701	CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.000	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.000
S	3745	CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.000	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.000
S	3362	CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.002	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.002
S	3364	CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.001	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.001
S	3365	CITY OF SHAFTER	GOVERNMENT SERVICES	2														0.000
S	2599	CODE PRECAST PRODUCTS INC	CONCRETE BATCH PLANT	2	0.017	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.017
S	7322	CON-FAB CALIFORNIA LLC	CONCRETE PRODUCTS	7	0.301	0.00843	0.00993	0.01535	0.01625	0.01806	0.02258	0.02197	0.03371	0.03281	0.04214	0.04154	0.03823	0.301
S	8952	FOREVERBOARD CALIFORNIA INC	DRYWALL MANUFACTURING	1	0.016	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.016
S	2139	FOX PETROLEUM INC.	GASOLINE DISPENSING	1														
S	6593	GLOBAL FABRICATORS	METAL FABRICATION	3	2.857	0.23811	0.23811	0.23811	0.23811	0.23811	0.23811	0.23811	0.23811	0.23811	0.23811	0.23811	0.23811	2.857
S	8071	GOLDEN LIVING CENTER - SHAFTER	SKILLED NURSING CARE FACILITY	1														
S	8067	GREG'S PETROLEUM	GASOLINE DISPENSING FACILITY	1														
S	3474	HELENA CHEMICAL COMPANY	AGRICULTURAL CHEMICALS	1														
S	2369	JACO HILL	GASOLINE DISPENSING	1														
S	2417	JEFFRIES BROTHERS INC	GASOLINE DISPENSING	1														
S	239	JEFF'S STORE	GASOLINE DISPENSING	1														
S	3881	JOSE LUIS ALBERTO	AUTO BODY COATING OPERATION	1														
S	2443	KERN COUNTY FIRE STATION #32	FIRE PROTECTION	1														
S	105	MEYER'S BIG STOP	GASOLINE DISPENSING	1														
S	7801	OMNI FAMILY HEALTH	HEALTH AND ALLIED SERVICES	2	0.0001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.0001
S	1167	PACIFIC BELL TELEPHONE CO (DBA AT-T CA)	TELECOMMUNICATIONS	1	0.001	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.001
S	1288	S - J QUICK STOP	GASOLINE DISPENSING	1														
S	1732	S & A MARKET	GASOLINE DISPENSING	1														
S	7834	SHAFTER COLLISION	AUTOMOTIVE BODY REPAIR AND PAINT SHOP	1	0.002	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.002
S	539	SHAFTER-WASCO GINNING COMPANY	COTTON GINNING	2	0.512	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.09413	0.19799	0.19901	0.02046	0.00000	0.512
S	7041	SHAR CRAFT, INC.	SPECIAL TRADE CONTRACTORS	4	1.170	0.09748	0.09748	0.09748	0.09748	0.09748	0.09748	0.09748	0.09748	0.09748	0.09748	0.09748	0.09748	1.170
S	7674	VERIZON WIRELESS "NORTH SHAFTER"	TELECOMMUNICATIONS	1	0.000	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.000
S	1301	WILBUR-ELLIS COMPANY	AGRICULTURAL CHEMICALS	1														

District Permitted Facilities Within 7-Mile Radius PM2.5 tons per year

DISTRICT REGION	DISTRICT ID	FACILITY NAME	FACILITY DESCRIPTION	ACTIVE PERMITS COUNT	2017	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
S	9156	ALLIANCE READY MIX, INC.	CONCRETE BATCH PLANT	4														
S	4152	APSG WHOLESALE	AUTO BODY SPRAY COATING	2	0.638	0.05319	0.05319	0.05319	0.05319	0.05319	0.05319	0.05319	0.05319	0.05319	0.05319	0.05319	0.05319	0.638
S	7573	ARGO CHEMICAL INC	CHEMICAL RECEIVING, STORAGE, AND DISTRIBUTION	2														
S	3161	AT-T MOBILITY	TELECOMMUNICATIONS	1	0.000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.000
S	6698	AT-T MOBILITY	TELECOMMUNICATIONS	1	0.000	0.00001	0.00002	0.00009	0.00001	0.00002	0.00002	0.00001	0.00002	0.00016	0.00004	0.00001	0.00000	0.000
S	5211	AUKEMAN DAIRY	DAIRY FARMS	6														
S	8022	BAKER HUGHES OILFIELD OPERATIONS LLC	CHEMICAL RECEIVING, STORAGE AND DISTRIBUTION	2	5.062	0.42187	0.42187	0.42187	0.42187	0.42187	0.42187	0.42187	0.42187	0.42187	0.42187	0.42187	0.42187	5.062
S	1392	BAYER CROP SCIENCE	AGRICULTURAL PRODUCTS PROCESSING	2	0.079	0.00994	0.00994	0.00994	0.00994	0.00994	0.00000	0.00000	0.00000	0.00000	0.00994	0.00994	0.00994	0.079
S	704	BAYER CROPSCIENCE	COTTON GINNING	1	0.000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.000
S	2501	BIDART COLD STORAGE INC	AGRICULTURAL PRODUCTS	2														
S	1872	BKSHD QUALITY DISTRIBUTION CENTER INC	AGRICULTURAL PRODUCTS PREPARATION	4	0.463	0.03856	0.03856	0.03856	0.03856	0.03856	0.03856	0.03856	0.03856	0.03856	0.03856	0.03856	0.03856	0.463
S	7351	B-L CASING SERVICE, LLC	OIL AND GAS FIELD SERVICES	1	0.001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.001
S	3461	BUILDING MATERIALS MFG. CORP. (dba GAF)	FIBERGLASS MAT MANUFACTURING OPERATION	3	0.000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.000
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - JACK AVE)	CRUDE OIL AND NATURAL GAS PRODUCTION	2														
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - MANNEL AVE)	CRUDE OIL AND NATURAL GAS PRODUCTION	4														
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - SHAFTER AV)	CRUDE OIL AND NATURAL GAS PRODUCTION	2														
S	7895	CAL COAST ACIDIZING SERVICE	OIL & GAS FIELD SERVICES	2														
S	7122	CALIFORNIA PAPER PRODUCTS, LLC	ASPHALT FELTS AND COATINGS	2	0.490	0.03920	0.04410	0.02940	0.06370	0.04410	0.04410	0.03920	0.03920	0.03430	0.05390	0.02940	0.02940	0.490
S	3915	CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.001	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.001
S	6910	CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.000	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.000

Facility Emissions

DISTRICT REGION	DISTRICT ID	FACILITY NAME	FACILITY DESCRIPTION	ACTIVE PERMITS COUNT	2017	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
S	8394	CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.000
S	9051	CLEAN ENERGY SYSTEMS KIMBERLINA, INC.	BIOGAS UPGRADING PLANT	2														
S	6849	CLEAN ENERGY SYSTEMS, INC.	ELECTRIC POWER GENERATION	1														
S	6935	DENBESTE MANUFACTURING, INC.	METAL PARTS AND PRODUCTS COATING OPERATION	1	0.269	0.02245	0.02245	0.02245	0.02245	0.02245	0.02245	0.02245	0.02245	0.02245	0.02245	0.02245	0.02245	0.269
S	2813	DJ'S FOOD MART	GASOLINE DISPENSING	1														
S	2033	ELK CORPORATION OF TEXAS	ASPHALT FELTS AND COATINGS	12	1.028	0.08566	0.08566	0.08566	0.08566	0.08566	0.08566	0.08566	0.08566	0.08566	0.08566	0.08566	0.08566	1.028
S	6639	FAIAL FARMS 2	DAIRY	6														
S	3860	GMC ROOFING - PAPER PRODUCTS	ASPHALT FELTS AND COATINGS	7	2.166	0.18053	0.18053	0.18053	0.18053	0.18053	0.18053	0.18053	0.18053	0.18053	0.18053	0.18053	0.18053	2.166
S	1183	GOLDEN EMPIRE CONCRETE COMPANY	READY-MIX CONCRETE	4	0.082	0.00337	0.00493	0.00657	0.00649	0.00476	0.00977	0.00912	0.01117	0.00567	0.00600	0.00715	0.00698	0.082
S	5281	HYPONEX CORPORATION	AGRICULTURAL CHEMICALS	8	3.374	0.18558	0.37117	0.37117	0.37117	0.37117	0.37117	0.37117	0.18558	0.18558	0.18558	0.18558	0.18558	3.341
S	4283	INDUSTRIAL DESIGN - CONSTRUCTION INC	METAL PARTS AND PRODUCTS COATING	1	0.514	0.04283	0.04283	0.04283	0.04283	0.04283	0.04283	0.04283	0.04283	0.04283	0.04283	0.04283	0.04283	0.514
S	1736	INLAND CROP DUSTER INC	CROP SERVICES - AERIAL DUSTING	2														
S	4291	J. R. BODY WORK'S VOC EDUCATION	AUTO BODY SPRAY COATING	1	0.004	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.004
S	2360	JACO HILL	GASOLINE DISPENSING	1														
S	8716	JEFFRIES BROTHERS INC	COMMUNICATION SERVICES	1	0.000	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.000
S	2865	JP OIL CO INC	OIL & GAS PRODUCTION	35	2.326	0.19380	0.19380	0.19380	0.19380	0.19380	0.19380	0.19380	0.19380	0.19380	0.19380	0.19380	0.19380	2.326
S	8561	JP OIL CO INC	NATURAL GAS PROCESSING	4														
S	3778	JR SIMPLOT CO/SIMPLOT GROWER SOLUTIONS	PHOSPHATIC FERTILIZERS	3	0.355	0.04155	0.04155	0.04155	0.02095	0.00710	0.00710	0.00710	0.01065	0.02095	0.05220	0.05220	0.05220	0.355
S	7433	KERN SCHOOLS FEDERAL CREDIT UNION	CREDIT UNION	1	0.000	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001	0.00002	0.00001	0.00001	0.00002	0.00001	0.00002	0.000
S	7516	LARRY BASHOR SANDBLASTING	ABRASIVE BLASTING AND SPRAY PAINTING	5	0.708	0.05903	0.05903	0.05903	0.05903	0.05903	0.05903	0.05903	0.05903	0.05903	0.05903	0.05903	0.05903	0.708
S	3562	LERDO CHEVRON	GASOLINE DISPENSING	1														
S	9202	LKMP PROPERTIES	GASOLINE DISPENSING	1														
S	7748	LUFKIN INDUSTRIES INC.	OILFIELD SERVICES	2														
S	4803	MARTIN HEIN RANCH COMPANY - PA2	AGRICULTURAL CROP PRODUCTION	10														
S	7995	M-I SWACO	OIL AND GAS FIELD SERVICES	12	0.077	0.00639	0.00639	0.00639	0.00639	0.00639	0.00639	0.00639	0.00639	0.00639	0.00639	0.00639	0.00639	0.077
S	8	NIKKEL IRON WORKS INC	FABRICATED METAL PRODUCTS	2	0.006	0.00055	0.00055	0.00055	0.00055	0.00055	0.00055	0.00055	0.00055	0.00055	0.00055	0.00055	0.00042	0.006
S	7876	NORRIS PRODUCTION SOLUTIONS	METAL PARTS AND PRODUCTS COATING OPERATION	1														
S	1316	NORTH OF RIVER SANITARY DIST	SEWERAGE SYSTEM	3	0.115	0.00956	0.00956	0.00956	0.00956	0.00956	0.00956	0.00956	0.00956	0.00956	0.00956	0.00956	0.00956	0.115
S	5141	OASIS HOLSTEIN DAIRY	DAIRY FARM	6														
S	6058	OHANNESON ENTERPRISES	GENERAL FARMS, PRIMARILY CROP	5														
S	4170	PAGE INDUSTRIAL SERVICES INC	AUTO BODY SPRAY COATING	2	0.614	0.05117	0.05117	0.05117	0.05117	0.05117	0.05117	0.05117	0.05117	0.05117	0.05117	0.05117	0.05117	0.614
S	6646	PERFORMANCE FOOD GROUP	GROCERIES, WHOLESAL	1	0.013	0.00107	0.00107	0.00107	0.00107	0.00107	0.00107	0.00107	0.00107	0.00107	0.00107	0.00107	0.00107	0.013
S	5257	PHOENIX CEMENT COMPANY	CONSTRUCTION MATERIALS	2	0.106	0.00881	0.00881	0.00881	0.00881	0.00881	0.00881	0.00881	0.00881	0.00881	0.00881	0.00881	0.00881	0.106
S	2012	PILOT TRAVEL CENTERS LLC	GASOLINE DISPENSING	1														
S	71	PLAINS LPG SERVICES LP	NATURAL GAS PRODUCTION	28	5.089	0.42412	0.42412	0.42412	0.42412	0.42412	0.42412	0.42412	0.42412	0.42412	0.42412	0.42412	0.42412	5.089
S	3919	PREMIER SANDS LLC	SAND AND GRAVEL	23	0.002	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.002
S	7886	RESA POWER SOLUTIONS	ELECTRICAL SERVICES	1	0.017	0.00138	0.00138	0.00138	0.00138	0.00138	0.00138	0.00138	0.00138	0.00138	0.00138	0.00138	0.00138	0.017
S	8480	ROLL REAL ESTATE DEVELOPMENT LLC	DISTRIBUTION CENTER	2														
S	8529	ROSS STORES INC	DISTRIBUTION CENTER	3	0.004	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.004
S	872	SAVAGE COAL SERVICE CORP	NONMETALLIC MINERALS	7	0.004	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.004
S	82	SHELL PIPELINE COMPANY LP	PETROLEUM PIPELINES	3	0.020	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.020
S	876	SJV QUALITY COTTON	FEDERAL GOVERNMENT RESEARCH	2	0.000	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.000
S	6706	SKYVIEW DAIRY	DAIRY FARMS	7														
S	3152	SOUTH VALLEY ALMOND COMPANY LLC	TREE NUTS	6	1.137	0.06822	0.06822	0.06822	0.06822	0.06822	0.06822	0.06822	0.13644	0.13644	0.13644	0.13644	0.13644	1.137
S	4755	STARRH and STARRH COTTON GROWERS	COTTON FARM	43														
S	4297	SUN WORLD INTERNATIONAL	AGRICULTURAL PRODUCTS PROCESSING	4	0.000	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.000
S	3934	TARGET DISTRIBUTION CENTER	DEPARTMENT STORE	3	0.009	0.00073	0.00073	0.00073	0.00073	0.00073	0.00073	0.00073	0.00073	0.00073	0.00073	0.00073	0.00073	0.009
S	5060	TJAARDA DAIRY	DAIRY FARMS	10														
S	3395	VERIZON WIRELESS- SHAFTER	TELECOMMUNICATIONS	1	0.000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.000
S	8231	WEATHERFORD ARTIFICIAL LIFT SYSTEMS, LLC	OIL AND GAS FIELD SERVICE	6	0.017	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.017
S	2935	WEST COAST PIPE INSPECTION	GASOLINE DISPENSING	1														
S	8367	WONDERFUL ORCHARDS LLC	AGRICULTURAL PRODUCTS PROCESSING	1														
S	9080	WONDERFUL REAL ESTATE	GENERAL WAREHOUSING AND STORAGE	1														
S	9081	WONDERFUL REAL ESTATE	GENERAL WAREHOUSING AND STORAGE	1														

Facility Emissions

District Permitted Facilities Within Shafter Boundary VOC tons per year

DISTRICT REGION	DISTRICT ID	FACILITY NAME	FACILITY DESCRIPTION	ACTIVE PERMITS COUNT	2017	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
S	2183	AHDI ENTERPRISES CORP DBA SHAFTER SHELL	GASOLINE DISPENSING	1	0.219	0.01821	0.01821	0.01821	0.01821	0.01821	0.01821	0.01821	0.01821	0.01821	0.01821	0.01821	0.01821	0.219
S	8291	BROWN - BRYANT	SOIL AND GROUNDWATER REMEDIATION	1	0.022	0.00185	0.00185	0.00185	0.00185	0.00185	0.00185	0.00185	0.00185	0.00185	0.00185	0.00185	0.00185	0.022
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - MERCED AVE)	CRUDE OIL AND NATURAL GAS PRODUCTION	6	2.712	0.22599	0.22599	0.22599	0.22599	0.22599	0.22599	0.22599	0.22599	0.22599	0.22599	0.22599	0.22599	2.712
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - OAK CT)	CRUDE OIL AND NATURAL GAS PRODUCTION	1														
S	3701	CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.001	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.001
S	3745	CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.001	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.001
S	3362	CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.002	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.002
S	3364	CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.002	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.002
S	3365	CITY OF SHAFTER	GOVERNMENT SERVICES	2	0.001	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.001
S	2599	CODE PRECAST PRODUCTS INC	CONCRETE BATCH PLANT	2														
S	7322	CON-FAB CALIFORNIA LLC	CONCRETE PRODUCTS	7	0.002	0.00005	0.00006	0.00009	0.00009	0.00010	0.00013	0.00012	0.00019	0.00019	0.00024	0.00023	0.00022	0.002
S	8952	FOREVERBOARD CALIFORNIA INC	DRYWALL MANUFACTURING	1														
S	2139	FOX PETROLEUM INC.	GASOLINE DISPENSING	1	1.720	0.14335	0.14335	0.14335	0.14335	0.14335	0.14335	0.14335	0.14335	0.14335	0.14335	0.14335	0.14335	1.720
S	6593	GLOBAL FABRICATORS	METAL FABRICATION	3	2.100	0.17499	0.17499	0.17499	0.17499	0.17499	0.17499	0.17499	0.17499	0.17499	0.17499	0.17499	0.17499	2.100
S	8071	GOLDEN LIVING CENTER - SHAFTER	SKILLED NURSING CARE FACILITY	1	0.000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.000
S	8067	GREG'S PETROLEUM	GASOLINE DISPENSING FACILITY	1	0.613	0.05111	0.05111	0.05111	0.05111	0.05111	0.05111	0.05111	0.05111	0.05111	0.05111	0.05111	0.05111	0.613
S	3474	HELENA CHEMICAL COMPANY	AGRICULTURAL CHEMICALS	1	0.113	0.00678	0.00678	0.01017	0.01356	0.01130	0.01130	0.01130	0.01130	0.01017	0.00678	0.00678	0.00678	0.113
S	2369	JACO HILL	GASOLINE DISPENSING	1	1.313	0.10940	0.10940	0.10940	0.10940	0.10940	0.10940	0.10940	0.10940	0.10940	0.10940	0.10940	0.10940	1.313
S	2417	JEFFRIES BROTHERS INC	GASOLINE DISPENSING	1	0.160	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.01333	0.160
S	239	JEFFY'S STORE	GASOLINE DISPENSING	1	0.145	0.01211	0.01211	0.01211	0.01211	0.01211	0.01211	0.01211	0.01211	0.01211	0.01211	0.01211	0.01211	0.145
S	3881	JOSE LUIS ALBERTO	AUTO BODY COATING OPERATION	1	0.005	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.00039	0.005
S	2443	KERN COUNTY FIRE STATION #32	FIRE PROTECTION	1	0.001	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.001
S	105	MEYER'S BIG STOP	GASOLINE DISPENSING	1	0.191	0.01593	0.01593	0.01593	0.01593	0.01593	0.01593	0.01593	0.01593	0.01593	0.01593	0.01593	0.01593	0.191
S	7801	OMNI FAMILY HEALTH	HEALTH AND ALLIED SERVICES	2	0.000	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.000
S	1167	PACIFIC BELL TELEPHONE CO (DBA AT-T CA)	TELECOMMUNICATIONS	1	0.002	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.002
S	1288	S - J QUICK STOP	GASOLINE DISPENSING	1	0.260	0.02168	0.02168	0.02168	0.02168	0.02168	0.02168	0.02168	0.02168	0.02168	0.02168	0.02168	0.02168	0.260
S	1732	S & A MARKET	GASOLINE DISPENSING	1	0.069	0.00574	0.00574	0.00574	0.00574	0.00574	0.00574	0.00574	0.00574	0.00574	0.00574	0.00574	0.00574	0.069
S	7834	SHAFTER COLLISION	AUTOMOTIVE BODY REPAIR AND PAINT SHOP	1	0.008	0.00068	0.00068	0.00068	0.00068	0.00068	0.00068	0.00068	0.00068	0.00068	0.00068	0.00068	0.00068	0.008
S	539	SHAFTER-WASCO GINNING COMPANY	COTTON GINNING	2														
S	7041	SHAR CRAFT, INC.	SPECIAL TRADE CONTRACTORS	4	0.714	0.05953	0.05953	0.05953	0.05953	0.05953	0.05953	0.05953	0.05953	0.05953	0.05953	0.05953	0.05953	0.714
S	7674	VERIZON WIRELESS "NORTH SHAFTER"	TELECOMMUNICATIONS	1														
S	1301	WILBUR-ELLIS COMPANY	AGRICULTURAL CHEMICALS	1	0.018	0.00150	0.00150	0.00150	0.00150	0.00150	0.00150	0.00150	0.00150	0.00150	0.00150	0.00150	0.00150	0.018
																		10.394

District Permitted Facilities Within 7-Mile Radius VOC tons per year

DISTRICT REGION	DISTRICT ID	FACILITY NAME	FACILITY DESCRIPTION	ACTIVE PERMITS COUNT	2017	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
S	9156	ALLIANCE READY MIX, INC.	CONCRETE BATCH PLANT	4														
S	4152	APSG WHOLESALE	AUTO BODY SPRAY COATING	2	0.266	0.02213	0.02213	0.02213	0.02213	0.02213	0.02213	0.02213	0.02213	0.02213	0.02213	0.02213	0.02213	0.266
S	7573	ARGO CHEMICAL INC	LIQUID RECEIVING, STORAGE, AND DISTRIBUTION	2	0.000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.000
S	3161	AT-T MOBILITY	TELECOMMUNICATIONS	1	0.001	0.00007	0.00014	0.00007	0.00007	0.00007	0.00007	0.00007	0.00014	0.00007	0.00007	0.00007	0.00007	0.001
S	6698	AT-T MOBILITY	TELECOMMUNICATIONS	1	0.007	0.00021	0.00025	0.00155	0.00023	0.00028	0.00028	0.00023	0.00028	0.00270	0.00065	0.00023	0.00000	0.007
S	5211	AUKEMAN DAIRY	DAIRY FARMS	6														
S	8022	BAKER HUGHES OILFIELD OPERATIONS LLC	LIQUID RECEIVING, STORAGE AND DISTRIBUTION	2	0.014	0.00119	0.00119	0.00119	0.00119	0.00119	0.00119	0.00119	0.00119	0.00119	0.00119	0.00119	0.00119	0.014
S	1392	BAYER CROP SCIENCE	AGRICULTURAL PRODUCTS PROCESSING	2	0.001	0.00016	0.00016	0.00016	0.00016	0.00016	0.00000	0.00000	0.00000	0.00000	0.00016	0.00016	0.00016	0.001
S	704	BAYER CROPSCIENCE	COTTON GINNING	1														
S	2501	BIDART COLD STORAGE INC	AGRICULTURAL PRODUCTS	2														
S	1872	BKSFQ QUALITY DISTRIBUTION CENTER INC	AGRICULTURAL PRODUCTS PREPARATION	4														
S	7351	B-L CASING SERVICE, LLC	OIL AND GAS FIELD SERVICES	1	0.002	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.002
S	3461	BUILDING MATERIALS MFG. CORP. (dba GAF)	FIBERGLASS MAT MANUFACTURING OPERATION	3	0.000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.000
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - JACK AVE)	CRUDE OIL AND NATURAL GAS PRODUCTION	2														
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - MANNEL AVE)	CRUDE OIL AND NATURAL GAS PRODUCTION	4														
S	1737	CA RESOURCES PRODUCTION CORP (N WASCO - SHAFTER AVE)	CRUDE OIL AND NATURAL GAS PRODUCTION	2														
S	7895	CAL COAST ACIDIZING SERVICE	OIL & GAS FIELD SERVICES	2														
S	7122	CALIFORNIA PAPER PRODUCTS, LLC	ASPHALT FELTS AND COATINGS	2	0.349	0.02794	0.03143	0.02096	0.04540	0.03143	0.03143	0.02794	0.02794	0.02445	0.03842	0.02096	0.02096	0.349
S	3915	CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.002	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.002
S	6910	CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.001	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.001
S	8394	CITY OF SHAFTER	GOVERNMENT SERVICES	1	0.000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.000
S	9051	CLEAN ENERGY SYSTEMS KIMBERLINA, INC.	BIOGAS UPGRADING PLANT	2														
S	6849	CLEAN ENERGY SYSTEMS, INC.	ELECTRIC POWER GENERATION	1														

Facility Emissions

DISTRICT REGION	DISTRICT ID	FACILITY NAME	FACILITY DESCRIPTION	ACTIVE PERMITS COUNT	2017	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
S	6935	DENBESTE MANUFACTURING, INC.	METAL PARTS AND PRODUCTS COATING OPERATION	1	1.471													
S	2813	DJ'S FOOD MART	GASOLINE DISPENSING	1	0.123	0.01028	0.01028	0.01028	0.01028	0.01028	0.01028	0.01028	0.01028	0.01028	0.01028	0.01028	0.01028	0.123
S	2033	ELK CORPORATION OF TEXAS	ASPHALT FELTS AND COATINGS	12	15.707	1.30895	1.30895	1.30895	1.30895	1.30895	1.30895	1.30895	1.30895	1.30895	1.30895	1.30895	1.30895	15.707
S	6639	FAIAL FARMS 2	DAIRY	6														
S	3860	GMC ROOFING - PAPER PRODUCTS	ASPHALT FELTS AND COATINGS	7	2.991	0.24927	0.24927	0.24927	0.24927	0.24927	0.24927	0.24927	0.24927	0.24927	0.24927	0.24927	0.24927	2.991
S	1183	GOLDEN EMPIRE CONCRETE COMPANY	READY-MIX CONCRETE	4														
S	5281	HYPONEX CORPORATION	AGRICULTURAL CHEMICALS	8														
S	4283	INDUSTRIAL DESIGN - CONSTRUCTION INC	METAL PARTS AND PRODUCTS COATING	1	0.359	0.02990	0.02990	0.02990	0.02990	0.02990	0.02990	0.02990	0.02990	0.02990	0.02990	0.02990	0.02990	0.359
S	1736	INLAND CROP DUSTER INC	CROP SERVICES - AERIAL DUSTING	2	0.144	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.01200	0.144
S	4291	J. R. BODY WORK'S VOC EDUCATION	AUTO BODY SPRAY COATING	1	0.028	0.00236	0.00236	0.00236	0.00236	0.00236	0.00236	0.00236	0.00236	0.00236	0.00236	0.00236	0.00236	0.028
S	2360	JACO HILL	GASOLINE DISPENSING	1	0.640	0.05334	0.05334	0.05334	0.05334	0.05334	0.05334	0.05334	0.05334	0.05334	0.05334	0.05334	0.05334	0.640
S	8716	JEFFRIES BROTHERS INC	COMMUNICATION SERVICES	1	0.000	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.000
S	2865	JP OIL CO INC	OIL & GAS PRODUCTION	35	1.762	0.14681	0.14681	0.14681	0.14681	0.14681	0.14681	0.14681	0.14681	0.14681	0.14681	0.14681	0.14681	1.762
S	8561	JP OIL CO INC	NATURAL GAS PROCESSING	4														
S	3778	JR SIMPLOT CO/SIMPLOT GROWER SOLUTIONS	PHOSPHATIC FERTILIZERS	3														
S	7433	KERN SCHOOLS FEDERAL CREDIT UNION	CREDIT UNION	1	0.001	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.001
S	7516	LARRY BASHOR SANDBLASTING	ABRASIVE BLASTING AND SPRAY PAINTING	5	0.070	0.00587	0.00587	0.00587	0.00587	0.00587	0.00587	0.00587	0.00587	0.00587	0.00587	0.00587	0.00587	0.070
S	3562	LERDO CHEVRON	GASOLINE DISPENSING	1	0.248	0.02065	0.02065	0.02065	0.02065	0.02065	0.02065	0.02065	0.02065	0.02065	0.02065	0.02065	0.02065	0.248
S	9202	LKMP PROPERTIES	GASOLINE DISPENSING	1														
S	7748	LUFKIN INDUSTRIES INC.	OILFIELD SERVICES	2	0.000	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.000
S	4803	MARTIN HEIN RANCH COMPANY - PA2	AGRICULTURAL CROP PRODUCTION	10	2.701	0.22506	0.22506	0.22506	0.22506	0.22506	0.22506	0.22506	0.22506	0.22506	0.22506	0.22506	0.22506	2.701
S	7995	M-I SWACO	OIL AND GAS FIELD SERVICES	12	0.015	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.015
S	8	NIKKEL IRON WORKS INC	FABRICATED METAL PRODUCTS	2	0.546	0.04644	0.04644	0.04644	0.04644	0.04644	0.04644	0.04644	0.04644	0.04644	0.04644	0.04644	0.04644	0.546
S	7876	NORRIS PRODUCTION SOLUTIONS	METAL PARTS AND PRODUCTS COATING OPERATION	1	0.001	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.001
S	1316	NORTH OF RIVER SANITARY DIST	SEWERAGE SYSTEM	3	0.712	0.05935	0.05935	0.05935	0.05935	0.05935	0.05935	0.05935	0.05935	0.05935	0.05935	0.05935	0.05935	0.712
S	5141	OASIS HOLSTEIN DAIRY	DAIRY FARM	6														
S	6058	OHANNESON ENTERPRISES	GENERAL FARMS, PRIMARILY CROP	5														
S	4170	PAGE INDUSTRIAL SERVICES INC	AUTO BODY SPRAY COATING	2	1.145	0.09540	0.09540	0.09540	0.09540	0.09540	0.09540	0.09540	0.09540	0.09540	0.09540	0.09540	0.09540	1.145
S	6646	PERFORMANCE FOOD GROUP	GROCERIES, WHOLESALE	1	0.021	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.021
S	5257	PHOENIX CEMENT COMPANY	CONSTRUCTION MATERIALS	2														
S	2012	PILOT TRAVEL CENTERS LLC	GASOLINE DISPENSING	1	1.520	0.12666	0.12666	0.12666	0.12666	0.12666	0.12666	0.12666	0.12666	0.12666	0.12666	0.12666	0.12666	1.520
S	71	PLAINS LPG SERVICES LP	NATURAL GAS PRODUCTION	28	11.533	0.96107	0.96107	0.96107	0.96107	0.96107	0.96107	0.96107	0.96107	0.96107	0.96107	0.96107	0.96107	11.533
S	3919	PREMIER SANDS LLC	SAND AND GRAVEL	23	0.000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.000
S	7886	RESA POWER SOLUTIONS	ELECTRICAL SERVICES	1	0.074	0.00618	0.00618	0.00618	0.00618	0.00618	0.00618	0.00618	0.00618	0.00618	0.00618	0.00618	0.00618	0.074
S	8480	ROLL REAL ESTATE DEVELOPMENT LLC	DISTRIBUTION CENTER	2														
S	8529	ROSS STORES INC	DISTRIBUTION CENTER	3	0.004	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.004
S	872	SAVAGE COAL SERVICE CORP	NONMETALLIC MINERALS	7	0.000	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.000
S	82	SHELL PIPELINE COMPANY LP	PETROLEUM PIPELINES	3	0.048	0.00399	0.00399	0.00399	0.00399	0.00399	0.00399	0.00399	0.00399	0.00399	0.00399	0.00399	0.00399	0.048
S	876	SJV QUALITY COTTON	FEDERAL GOVERNMENT RESEARCH	2	0.000	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.000
S	6706	SKYVIEW DAIRY	DAIRY FARMS	7														
S	3152	SOUTH VALLEY ALMOND COMPANY LLC	TREE NUTS	6	0.023	0.00138	0.00138	0.00138	0.00138	0.00138	0.00115	0.00115	0.00275	0.00275	0.00275	0.00275	0.00275	0.023
S	4755	STARRH and STARRH COTTON GROWERS	COTTON FARM	43														
S	4297	SUN WORLD INTERNATIONAL	AGRICULTURAL PRODUCTS PROCESSING	4	0.000	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.000
S	3934	TARGET DISTRIBUTION CENTER	DEPARTMENT STORE	3	0.015	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.015
S	5060	TJAARDA DAIRY	DAIRY FARMS	10														
S	3395	VERIZON WIRELESS- SHAFTER	TELECOMMUNICATIONS	1	0.000	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.000
S	8231	WEATHERFORD ARTIFICIAL LIFT SYSTEMS, LLC	OIL AND GAS FIELD SERVICE	6	0.072	0.00600	0.00600	0.00600	0.00600	0.00600	0.00600	0.00600	0.00600	0.00600	0.00600	0.00600	0.00600	0.072
S	2935	WEST COAST PIPE INSPECTION	GASOLINE DISPENSING	1	0.001	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.001
S	8367	WONDERFUL ORCHARDS LLC	AGRICULTURAL PRODUCTS PROCESSING	1	0.111	0.00823	0.00812	0.00956	0.00823	0.00900	0.00934	0.01001	0.01223	0.01089	0.00923	0.00812	0.00823	0.111
S	9080	WONDERFUL REAL ESTATE	GENERAL WAREHOUSING AND STORAGE	1														0.000
S	9081	WONDERFUL REAL ESTATE	GENERAL WAREHOUSING AND STORAGE	1														0.000

41.261

Monthly Emissions for Top Area Source Categories in Shafter - PM2.5

Category	EIC Description	2017 PM2.5 tons per year	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC
FARMING OPERATIONS		114.57	0.68	1.33	1.75	0.83	0.92	1.09	1.37	1.26	43.36	46.38	9.54	6.05
62061554000000	HARVEST OPERATIONS - DUST	87.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.95	43.52	1.57	0.00
62061454000000	TILLING OPERATIONS - DUST	21.38	0.17	0.81	1.24	0.32	0.41	0.58	0.86	0.75	0.90	2.35	7.46	5.54
62061802620103	LIVESTOCK HUSBANDRY - FEEDLOT CATTLE	3.22	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
62061802620101	LIVESTOCK HUSBANDRY - DAIRY CATTLE	2.24	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
62061802620102	LIVESTOCK HUSBANDRY - RANCH CATTLE	0.71	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
FUGITIVE WINDBLOWN DUST		21.47	0.20	0.38	0.25	6.27	4.26	2.09	1.84	1.94	1.74	1.47	0.71	0.31
65065054000000	AGRICULTURAL LANDS (NON-PASTURE) - WINDBLOWN DUST	20.68	0.17	0.35	0.23	6.18	4.18	2.01	1.76	1.86	1.65	1.39	0.64	0.27
65065154000000	AGRICULTURAL LANDS (PASTURE) - WINDBLOWN DUST	0.05	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.00
65065254000000	UNPAVED ROADS AND ASSOCIATED AREAS - WINDBLOWN DUST	0.74	0.03	0.03	0.02	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.06	0.04
PAVED ROAD DUST		21.13	1.60	1.60	1.60	1.71	1.81	1.92	1.92	1.92	1.85	1.81	1.75	1.64
64064354000000	PAVED ROAD TRAVEL - RURAL STREETS	8.12	0.62	0.62	0.62	0.66	0.70	0.74	0.74	0.74	0.71	0.70	0.67	0.63
64063754000000	PAVED ROAD TRAVEL - MAJOR STREETS - DUST	5.85	0.44	0.44	0.44	0.47	0.50	0.53	0.53	0.53	0.51	0.50	0.48	0.45
64064154000000	PAVED ROAD TRAVEL - LOCAL STREETS - DUST	5.62	0.43	0.43	0.43	0.45	0.48	0.51	0.51	0.51	0.49	0.48	0.46	0.44
64063954000000	PAVED ROAD TRAVEL - COLLECTOR STREETS - DUST	0.85	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.07	0.07	0.07	0.07
64063554000000	PAVED ROAD TRAVEL - FREEWAYS - DUST	0.70	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05
COOKING		10.69	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
69068060000000	COMMERCIAL CHARBROILING	8.45	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
69068460000000	COOKING (UNSPECIFIED)	2.24	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
UNPAVED ROAD DUST		7.96	0.35	0.36	0.32	0.71	0.71	0.76	0.80	0.76	0.80	0.88	0.96	0.56
64564654000000	UNPAVED ROAD TRAVEL - FARM ROADS - DUST	4.07	0.17	0.18	0.12	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.35	0.23
64564554000000	UNPAVED TRAFFIC AREA - AGRICULTURE - DUST	1.47	0.04	0.04	0.08	0.05	0.04	0.09	0.13	0.09	0.14	0.20	0.40	0.17
64563854000000	UNPAVED ROAD TRAVEL - CITY AND COUNTY ROADS - DUST	1.37	0.06	0.06	0.04	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.12	0.08
64564854000000	UNPAVED ROAD TRAVEL - (UNSPECIFIED) - DUST	0.79	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
64564754000000	UNPAVED TRAFFIC AREA - PRIVATE - DUST	0.27	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02
MANAGED BURNING AND DISPOSAL		5.81	0.66	1.11	0.90	0.40	0.28	0.17	0.11	0.11	0.13	0.41	0.81	0.74
67066802009886	AGRICULTURAL BURNING - WEED ABATEMENT-TUMBLEWEEDS	2.78	0.19	0.52	0.61	0.27	0.13	0.02	0.03	0.03	0.04	0.20	0.34	0.38
67066002629892	AGRICULTURAL BURNING - PRUNINGS- VINEYARD REMOVAL	1.82	0.33	0.36	0.10	0.02	0.08	0.09	0.05	0.04	0.05	0.14	0.34	0.23
67066002629842	AGRICULTURAL BURNING - PRUNINGS- ATTRITION	0.78	0.09	0.16	0.12	0.07	0.04	0.04	0.03	0.03	0.02	0.04	0.08	0.08
67066002629862	AGRICULTURAL BURNING - PRUNINGS- ORCHARD REMOVAL	0.23	0.02	0.04	0.03	0.02	0.02	0.01	0.00	0.01	0.02	0.01	0.03	0.03
67066802009872	AGRICULTURAL BURNING - WEED ABATEMENT- PONDING/LEVEE BANKS/DITCHBANK/CANAL	0.11	0.01	0.02	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.01
67067002000000	NON-AGRICULTURAL OPEN BURNING	0.06	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
67066002629884	AGRICULTURAL BURNING - PRUNINGS- TREE PRUNINGS	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67066802009858	AGRICULTURAL BURNING - WEED ABATEMENT- NOXIOUS WEEDS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67099502409868	OTHER WASTE BURNING - PESTICIDE/SEED SACKS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67066002629874	AGRICULTURAL BURNING - PRUNINGS- RAISIN TRAYS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67066402000000	AGRICULTURAL BURNING - RANGE IMPROVEMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESIDENTIAL FUEL COMBUSTION		3.53	0.78	0.52	0.19	0.11	0.10	0.08	0.07	0.06	0.06	0.12	0.63	0.81
61060202300000	RESIDENTIAL WOOD COMBUSTION - FIREPLACES	1.19	0.31	0.19	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.28	0.34
61060002300000	RESIDENTIAL WOOD COMBUSTION - WOOD STOVES	1.10	0.28	0.18	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.26	0.32
61060801100000	RESIDENTIAL NATURAL GAS COMBUSTION - WATER HEATING	0.54	0.09	0.07	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.07
61060601100000	RESIDENTIAL NATURAL GAS COMBUSTION - SPACE HEATING	0.52	0.08	0.07	0.05	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.06
61061001100000	RESIDENTIAL NATURAL GAS COMBUSTION - COOKING	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
61099501100000	RESIDENTIAL NATURAL GAS COMBUSTION - OTHER	0.06	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
61099501200000	RESIDENTIAL L.P.G. COMBUSTION (UNSPECIFIED)	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61060612200000	RESIDENTIAL DISTILLATE OIL COMBUSTION - SPACE HEATING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CONSTRUCTION AND DEMOLITION		1.43	0.09	0.09	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.10
63062254000000	BUILDING CONSTRUCTION - RESIDENTIAL - DUST	0.83	0.05	0.05	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.06
63062854000000	BUILDING CONSTRUCTION - INSTITUTIONAL - DUST	0.30	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
63062454000000	BUILDING CONSTRUCTION - COMMERCIAL - DUST	0.17	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
63063454000000	ROAD CONSTRUCTION - DUST	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63062654000000	BUILDING CONSTRUCTION - INDUSTRIAL - DUST	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FOOD AND AGRICULTURAL PROCESSING		1.07	0.05	0.05	0.05	0.12	0.12	0.12	0.14	0.14	0.14	0.04	0.04	0.04
5204212000011	AGRICULTURAL IRRIGATION I.C. ENGS-DIESEL-PORTABLE	0.74	0.03	0.03	0.03	0.09	0.09	0.09	0.10	0.10	0.10	0.03	0.03	0.03
5204212000010	AGRICULTURAL IRRIGATION I.C. ENGS-DIESEL-STATIONARY	0.33	0.01	0.01	0.01	0.04	0.04	0.04	0.04	0.04	0.04	0.01	0.01	0.01
SERVICE AND COMMERCIAL		0.31	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
6002001100000	COMMERCIAL NATURAL GAS COMBUSTION - SPACE HEATING	0.18	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
6003001100000	COMMERCIAL NATURAL GAS COMBUSTION - WATER HEATING	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6099512200000	COMMERCIAL DISTILLATE OIL COMBUSTION	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6099501100000	COMMERCIAL NATURAL GAS COMBUSTION - OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6099501200000	COMMERCIAL L.P.G. COMBUSTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Emissions for Top Area Source Categories in Shafter - Reactive Organic Gases

Category	EIC Description	2017 ROG tons per year	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC
51050669020000	CONSUMER PRODUCTS - OTHER CLEANERS/DEGREASERS/SOLVENTS	0.24	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050665350000	CONSUMER PRODUCTS - AUTOMOTIVE WAXES/POLISHES/SEALANTS/GLAZES	0.22	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050667400000	CONSUMER PRODUCTS - ASTRINGENTS/TONERS	0.22	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050665050000	CONSUMER PRODUCTS - CONSTRUCTION AND PANEL ADHESIVES	0.21	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050665190000	CONSUMER PRODUCTS - OTHER SEALANTS AND CHULKES	0.21	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050666250000	CONSUMER PRODUCTS - INSECT REPELLANTS - AEROSOLS	0.21	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050665570000	CONSUMER PRODUCTS - TIRE SEALANTS AND INFLATORS	0.20	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050666110000	CONSUMER PRODUCTS - FLYING INSECT INSECTICIDE - AEROSOLS	0.20	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050090000000	CONSUMER PRODUCTS - AEROSOL - COATINGS (UNSPECIFIED)	0.20	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050669050000	CONSUMER PRODUCTS - OTHER MISC. HOUSEHOLD PRODUCTS	0.19	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050090510000	CONSUMER PRODUCTS - AEROSOL - CLEAR COATINGS (UNSPECIFIED)	0.19	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050667700000	CONSUMER PRODUCTS - NAIL COATINGS	0.19	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050667920000	CONSUMER PRODUCTS - HEAVY DUTY HAND CLEANER OR SOAP	0.19	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050665140000	CONSUMER PRODUCTS - OTHER ADHESIVES	0.18	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
51050666680000	CONSUMER PRODUCTS - OTHER LAUNDRY PRODUCTS	0.17	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666340000	CONSUMER PRODUCTS - FABRIC REFRESHER - NON-AEROSOL	0.17	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666530000	CONSUMER PRODUCTS - GENERAL PURPOSE DEGREASERS - AEROSOLS	0.16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667970000	CONSUMER PRODUCTS - WITCH HAZEL	0.16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667010000	CONSUMER PRODUCTS - SILICONE BASED MULTI-PURPOSE LUBRICANT	0.15	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666570000	CONSUMER PRODUCTS - METAL POLISHES/CLEANSERS	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050665380000	CONSUMER PRODUCTS - AUTOMOTIVE RUBBING OR POLISHING COMPOUNDS	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666380000	CONSUMER PRODUCTS - SPOT REMOVERS - AEROSOLS	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667020000	CONSUMER PRODUCTS - PENETRANT	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667650000	CONSUMER PRODUCTS - HAIR MOUSSES	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666580000	CONSUMER PRODUCTS - OVEN CLEANERS - AEROSOLS	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050665180000	CONSUMER PRODUCTS - ADHESIVE REMOVERS - SPECIALTY	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050665600000	CONSUMER PRODUCTS - AUTO. WINDSHIELD WASHER FLUIDS - NON TYPE A	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667810000	CONSUMER PRODUCTS - SHAVING CREAMS	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666160000	CONSUMER PRODUCTS - CRAWLING BUG INSECTICIDES - NON-AEROSOLS	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667030000	CONSUMER PRODUCTS - SPECIALTY LUBRICANT	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666820000	CONSUMER PRODUCTS - FLOOR POLISH OR WAX	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666860000	CONSUMER PRODUCTS - FURNITURE MAINTENANCE PRODUCTS - OTHER FORMS	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667420000	CONSUMER PRODUCTS - SUN SCREEN/TANNING PRODUCTS	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667410000	CONSUMER PRODUCTS - HAND AND BODY LOTIONS	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666400000	CONSUMER PRODUCTS - TOILET/URINAL CARE PRODUCT (NON-PARA)	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050090710000	CONSUMER PRODUCTS - AEROSOL - HIGH TEMPERATURE COATINGS	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667690000	CONSUMER PRODUCTS - HAIR STYLING PRODUCTS - ALL OTHER FORMS	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666390000	CONSUMER PRODUCTS - SPOT REMOVERS - NON-AEROSOLS	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666300000	CONSUMER PRODUCTS - FABRIC SOFTENER DRYER SHEET	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050665220000	CONSUMER PRODUCTS - INSULATING AND SEALING FOAM	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667100000	CONSUMER PRODUCTS - SINGLE PHASE AEROSOL AIR FRESHENERS	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666510000	CONSUMER PRODUCTS - GENERAL PURPOSE CLEANERS - AEROSOLS	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050667660000	CONSUMER PRODUCTS - HAIR SHINES	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050090840000	CONSUMER PRODUCTS - AEROSOL - EXACT MATCH AUTOMOTIVE COATINGS	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666550000	CONSUMER PRODUCTS - GLASS CLEANERS - AEROSOLS	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666360000	CONSUMER PRODUCTS - CARPET AND UPHOLSTERY CLEANERS - NON-AEROSOLS	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050665640000	CONSUMER PRODUCTS - MOTOR VEHICLE WASH	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666500000	CONSUMER PRODUCTS - FLOOR WAX STRIPPERS	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050665830000	CONSUMER PRODUCTS - ELECTRICAL CLEANER	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666330000	CONSUMER PRODUCTS - FABRIC REFRESHER - AEROSOL	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666350000	CONSUMER PRODUCTS - CARPET AND UPHOLSTERY CLEANERS - AEROSOLS	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666170000	CONSUMER PRODUCTS - INSECTICIDE FOGGERS	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666000000	CONSUMER PRODUCTS - NON-SELECTIVE HERBICIDES/DEFOLIANTS	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050665580000	CONSUMER PRODUCTS - AUTOMOTIVE UNDERCOATINGS - AEROSOLS	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51050666730000	CONSUMER PRODUCTS - ANTI-STATIC PRODUCT - AEROSOL	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666400000	CONSUMER PRODUCTS - FABRIC PROTECTANTS - AEROSOL	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050090210000	CONSUMER PRODUCTS - AEROSOL - AUTO BODY PRIMERS	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665650000	CONSUMER PRODUCTS - WINDSHIELD WASHER REPELLENT	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050667560000	CONSUMER PRODUCTS - TEMP HAIR COLOR	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666800000	CONSUMER PRODUCTS - DUSTING AIDS - AEROSOLS	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666450000	CONSUMER PRODUCTS - FLOOR MAINTENANCE PRODUCT	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666140000	CONSUMER PRODUCTS - LAWN AND GARDEN INSECTICIDES	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050090820000	CONSUMER PRODUCTS - AEROSOL - AUTO BUMPER AND TRIM COATINGS	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665840000	CONSUMER PRODUCTS - ELECTRONIC CLEANER	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665150000	CONSUMER PRODUCT - ADHESIVE REMOVERS - FLOOR AND WALL COVERING	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050090830000	CONSUMER PRODUCTS - AEROSOL - EXACT MATCH ENGINE ENAMEL	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666890000	CONSUMER PRODUCTS - FOOTWEAR OR LEATHER CARE PRODUCT - SOLID	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050667680000	CONSUMER PRODUCTS - HAIR STYLING PRODUCT - AEROSOL/PUMP SPRAY	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050667510000	CONSUMER PRODUCTS - PERSONAL FRAGRANCE PRODUCT (FRAGRANCE > 20%)	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Emissions for Top Area Source Categories in Shafter - Reactive Organic Gases

Category	EIC Description	2017 ROG tons per year	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC
51050090800000	CONSUMER PRODUCTS - AEROSOL - FLUORESCENT COATINGS	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665330000	CONSUMER PRODUCTS - AUTOMOTIVE HARD PASTE WAXES	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666100000	CONSUMER PRODUCTS - FLEA AND TICK INSECTICIDE	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666590000	CONSUMER PRODUCTS - OVEN CLEANERS - NON-AEROSOLS	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050090810000	CONSUMER PRODUCTS - AEROSOL - ART FIXATIVES AND SEALANTS	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050669090000	CONSUMER PRODUCTS - OTHER AIR FRESHENERS	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665370000	CONSUMER PRODUCTS - RUBBER AND VINYL PROTECTANTS - NON-AEROSOLS	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665070000	CONSUMER PRODUCTS - GENERAL PURPOSE ADHESIVE	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666880000	CONSUMER PRODUCTS - FOOTWEAR OR LEATHER CARE PRODUCTS - AEROSOL	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050090850000	CONSUMER PRODUCTS - AEROSOL - VINYL/FABRIC/LEATHER/POLYCARB COAT	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665880000	CONSUMER PRODUCTS - ODOR REMOVER/ELIMINATOR	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665170000	CONSUMER PRODUCTS - ADHESIVE REMOVERS - GENERAL PURPOSE	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665390000	CONSUMER PRODUCTS - TIRE AND WHEEL CLEANERS	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666420000	CONSUMER PRODUCTS - FABRIC PROTECTANT - NON-AEROSOL	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665120000	CONSUMER PRODUCTS - CONTACT ADHESIVE - GENERAL PURPOSE	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666810000	CONSUMER PRODUCTS - DUSTING AIDS - NON-AEROSOLS	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665720000	CONSUMER PRODUCTS - GRAFFITI REMOVER - AEROSOL	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665360000	CONSUMER PRODUCTS - RUBBER AND VINYL PROTECTANTS - AEROSOLS	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666900000	CONSUMER PRODUCTS - FOOTWEAR OR LEATHER CARE PRODUCT - ALL OTHER FORMS	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050667950000	CONSUMER PRODUCTS - BRUSH CLEANER	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666300000	CONSUMER PRODUCTS - TOILET/URINAL CARE PRODUCT (PARA-ONLY)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665130000	CONSUMER PRODUCTS - CONTACT ADHESIVE - SPECIAL PURPOSE	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665160000	CONSUMER PRODUCT - GASKET OR THREAD LOCKING	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665730000	CONSUMER PRODUCTS - GRAFFITI REMOVERS - NON-AEROSOL	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666120000	CONSUMER PRODUCTS - FLYING INSECT INSECTICIDE - NON-AEROSOLS	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666840000	CONSUMER PRODUCTS - WOOD FLOOR WAX/POLISH	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050669080000	CONSUMER PRODUCTS - LAWN AND GARDEN PRODUCTS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665400000	CONSUMER PRODUCTS - ENGINE DEGREASERS - NON-AEROSOLS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665590000	CONSUMER PRODUCTS - AUTOMOTIVE UNDERCOATINGS - NON-AEROSOLS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665300000	CONSUMER PRODUCTS - BUG AND TAR REMOVERS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665850000	CONSUMER PRODUCTS - ENERGIZED ELECTRICAL CLEANER	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666910000	CONSUMER PRODUCTS - WOOD CLEANER - AEROSOL	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050665340000	CONSUMER PRODUCTS - AUTOMOTIVE INSTANT DETAILERS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666920000	CONSUMER PRODUCTS - WOOD CLEANER - NON-AEROSOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050666740000	CONSUMER PRODUCTS - ANTI-STATIC PRODUCT - NON-AEROSOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050667960000	CONSUMER PRODUCTS - PRESSURIZED GAS DUSTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51050667720000	CONSUMER PRODUCTS - NAIL POLISH REMOVERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS		25.17	1.71	1.71	1.92	2.11	2.32	2.51	2.51	2.51	2.32	2.11	1.71	1.71
52052092600000	ARCHITECTURAL COATINGS - NONFLAT - LOW GLOSS/MEDIUM GLOSS	4.01	0.25	0.25	0.30	0.34	0.38	0.42	0.42	0.42	0.38	0.34	0.25	0.25
52052283500000	ARCHITECTURAL - CLEANING SOLVENT	4.01	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
52052092590000	ARCHITECTURAL COATINGS (WATER BASED) - FLAT COATINGS	2.48	0.16	0.16	0.18	0.21	0.24	0.26	0.26	0.26	0.24	0.21	0.16	0.16
52052283020000	ARCHITECTURAL - THINNING SOLVENT	1.80	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
52052091310000	ARCHITECTURAL COATINGS - STAINS - CLEAR/SEMITRANSSPARENT	1.71	0.11	0.11	0.13	0.14	0.16	0.18	0.18	0.18	0.16	0.14	0.11	0.11
52052091260000	ARCHITECTURAL COATINGS - RUST PREVENTATIVE	1.14	0.07	0.07	0.08	0.10	0.11	0.12	0.12	0.12	0.11	0.10	0.07	0.07
52052092050000	ARCH. COATINGS (WATER BASED) - PRIMERS_SEALERS_AND_UNDERCOATERS	1.10	0.07	0.07	0.08	0.09	0.10	0.12	0.12	0.12	0.10	0.09	0.07	0.07
52052091720000	ARCHITECTURAL COATINGS (OIL) - INDUSTRIAL MAINTENANCE COATINGS	1.07	0.07	0.07	0.08	0.09	0.10	0.11	0.11	0.11	0.10	0.09	0.07	0.07
52052091410000	ARCHITECTURAL COATINGS - VARNISHES - CLEAR/SEMITRANSSPARENT	0.92	0.06	0.06	0.07	0.08	0.09	0.10	0.10	0.10	0.09	0.08	0.06	0.06
52052091000000	ARCHIT. COATINGS (OIL) - ORGANIC SOLVENT BASED COATINGS(UNSP)	0.83	0.05	0.05	0.06	0.07	0.08	0.09	0.09	0.09	0.08	0.07	0.05	0.05
52052091530000	ARCHITECTURAL COATINGS (OIL BASED) - QUICK DRY ENAMEL COATINGS	0.71	0.04	0.04	0.05	0.06	0.07	0.07	0.07	0.07	0.07	0.06	0.04	0.04
52052091730000	ARCHITECTURAL COATINGS (OIL BASED) - METALLIC PIGMENTED COATINGS	0.51	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.03
52052091180000	ARCHITECTURAL COATINGS - WATERPROOFING CONCRETE/MASONRY SEALERS	0.42	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03
52052091080000	ARCHITECTURAL COATINGS - SPECIALTY PRIMERS_SEALERS_AND_UNDERCOATERS	0.34	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.02	0.02
52052092760000	ARCHITECTURAL COATINGS (WATER BASED) - TRAFFIC COATINGS	0.31	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
52052092610000	ARCHITECT. COATINGS (WATER BASED) - HIGH GLOSS NONFLAT COATINGS	0.30	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
52052091570000	ARCHITECTURAL COATINGS - LACQUERS	0.28	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
52052091060000	ARCHIT. COATINGS (OIL) - QUICK DRY PRIMERS_SEALERS_&_UNDERCOATERS	0.25	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02
52052091700000	ARCHITECTURAL COATINGS (OIL BASED) - FORM RELEASE COATINGS	0.23	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
52052092130000	ARCHITECTURAL COATINGS - WATERPROOFING SEALERS	0.21	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
52052092720000	ARCHIT. COATINGS (WATER BASED) - INDUSTRIAL MAINTENANCE COATINGS	0.20	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
52052091050000	ARCHITECTURAL COATINGS (OIL) - PRIMERS_SEALERS_AND_UNDERCOATERS	0.20	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
52052091770000	ARCHITECTURAL COATINGS - WOOD PRESEVATIVES	0.18	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
52052092000000	ARCHI. COATINGS (WATER BASED) - COATINGS (UNSPECIFIED)	0.16	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
52052091130000	ARCHITECTURAL COATINGS - WATERPROOFING SEALERS	0.15	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01
52052092690000	ARCHITECTURAL COATINGS (WATER BASED) - FLOOR COATINGS	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52052283100000	ARCHITECTURAL - ADDITIVES	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52052092360000	ARCHITECTURAL COATINGS (WATER BASED) - STAINS - OPAQUE	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52052092180000	ARCHITECTURAL COATINGS - WATERPROOFING CONCRETE/MASONRY SEALERS	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52052092310000	ARCHITECTURAL COATINGS - STAINS - CLEAR/SEMITRANSSPARENT	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52052092220000	ARCHITECTURAL COATINGS - FAUX FINISHING	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

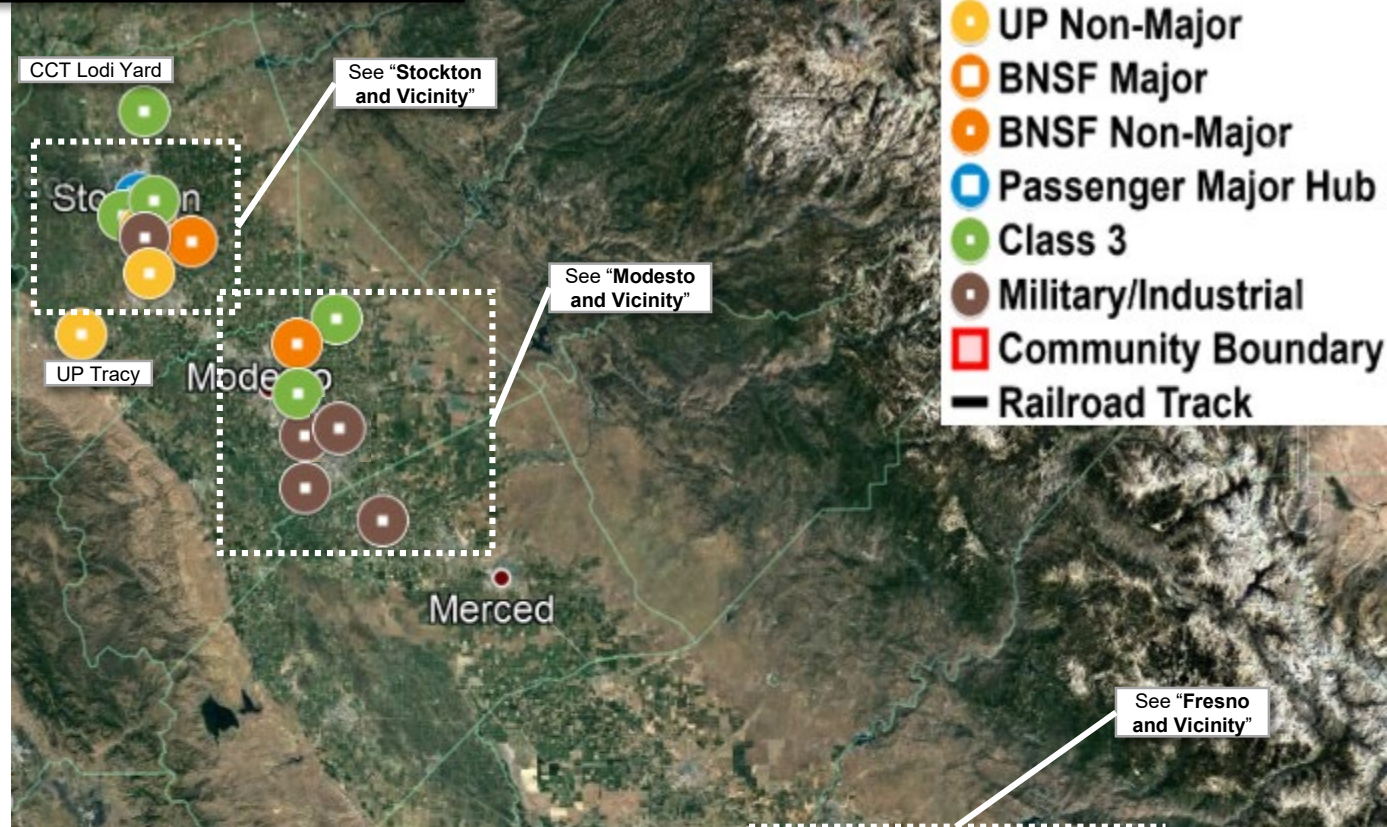
Monthly Emissions for Top Area Source Categories in Shafter - Reactive Organic Gases

Category	EIC Description	2017 ROG tons per year	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC
52052092650000	ARCHITECTURAL COATINGS (WATER BASED) - CONCRETE CURING COMPOUNDS	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52052091600000	ARCHITECTURAL COATINGS - NONFLAT - LOW GLOSS/MEDIUM GLOSS	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52052091120000	ARCHITECTURAL COATINGS (OIL BASED) - SANDING SEALERS	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52052092410000	ARCHITECTURAL COATINGS - VARNISHES - CLEAR/SEMITRANSPARENT	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52052092740000	ARCHITECTURAL COATINGS (WATER BASED) - ROOF COATINGS	0.07	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
52052092570000	ARCHITECTURAL COATINGS - LACQUERS	0.07	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
52052091090000	ARCHITECTURAL COATINGS - BITUMINOUS ROOF PRIMER	0.07	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
52052092080000	ARCHITECTURAL COATINGS -SPECIALTY PRIMERS_SEALERS_AND_UNDERCOATERS	0.06	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
52052091760000	ARCHITECTURAL COATINGS (OIL BASED) - TRAFFIC COATINGS	0.06	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
52052091660000	ARCHITECTURAL COATINGS (OIL BASED) - DRY FOG COATINGS	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00
52052091610000	ARCHITECTURAL COATINGS (OIL BASED)- HIGH GLOSS NONFLAT COATINGS	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052091650000	ARCHITECTURAL COATINGS (OIL BASED)- CONCRETE CURING COMPOUNDS	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052091690000	ARCHITECTURAL COATINGS (OIL BASED) - FLOOR COATINGS	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052092660000	ARCHITECTURAL COATINGS (WATER BASED) - DRY FOG COATINGS	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052092260000	ARCHITECTURAL COATINGS - RUST PREVENTATIVE	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052091640000	ARCHITECTURAL COATINGS (OIL BASED)- BITUMINOUS COATINGS	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052091360000	ARCHITECTURAL COATINGS (OIL BASED)- STAINS - OPAQUE	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052091710000	ARCHITECTURAL COATINGS (OIL BASED) - HIGH TEMPERATURE COATINGS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052092730000	ARCHITECT. COATINGS (WATER BASED) - METALLIC PIGMENTED COATINGS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052092640000	ARCHITECTURAL COATINGS (WATER BASED) - BITUMINOUS COATINGS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052091740000	ARCHITECTURAL COATINGS (OIL BASED) - ROOF COATINGS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052091220000	ARCHITECTURAL COATINGS - FAUX FINISHING	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052092120000	ARCHITECTURAL COATINGS (WATER BASED) - SANDING SEALERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052092230000	ARCHITECTURAL COATINGS - FORM RELEASE COMPOUNDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052091590000	ARCHITECTURAL COATINGS (OIL BASED)- FLAT COATINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052092090000	ARCHITECTURAL COATINGS - BITUMINOUS ROOF PRIMER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052092770000	ARCHITECTURAL COATINGS - WOOD PRESERVATIVES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52052092060000	ARCH. COATINGS (WATER) - QUICK DRY PRIMERS_SEALERS_&_UNDERCOATERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OIL AND GAS PRODUCTION		10.75	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
31030116000000	OIL WELLS - FUGITIVES - MUD DEGASSING	2.12	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
31099516000000	OIL PRODUCTION - TANKS - FUGITIVE LOSSES	2.08	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
31030016000000	OIL PRODUCTION FUGITIVE LOSSES - SUMPS AND PITS	2.00	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
31032016000000	OIL PRODUCTION VAPOR RECOVERY/FLARES/CASING GAS VENTING	1.44	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
31039316000000	OIL PRODUCTION - TANK TRUCK/RAILCAR LOADING: CRUDE OIL	0.97	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
31030816000000	OIL PRODUCTION FUGITIVE LOSSES - COMPRESSORS	0.45	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
31032501000000	OIL & GAS PRODUCTION - STORAGE TANKS: CONDENSATE	0.42	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
31031101000000	GAS PRODUCTION PNEUMATIC DEVICES / CONTROLLERS	0.34	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
31031116000000	OIL PRODUCTION PNEUMATIC DEVICES / CONTROLLERS	0.32	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
31033301000000	DEHYDRATORS	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
31031301000000	GAS WELL PNEUMATIC PUMPS	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
31030316000000	OIL PRODUCTION - FUGITIVES - FLANGES	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
31030416000000	OIL PRODUCTION FUGITIVE LOSSES - FITTINGS	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
31031016000000	OIL PRODUCTION FUGITIVE LOSSES - WELL HEADS	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
31031216000000	OIL PRODUCTION FUGITIVE LOSSES - WELL CELLARS	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31039301000000	GAS PRODUCTION - TANK TRUCK/RAILCAR LOADING: CONDENSATE	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31030101000000	GAS WELLS - FUGITIVES - MUD DEGASSING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31031701000000	GAS WELL VENTING - BLOWDOWNS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31031516000000	OIL PRODUCTION - FUGITIVES - OPEN ENDED LINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31035201000000	WET GAS STRIPPING/FIELD SEPARATOR FUGITIVE LOSSES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31030201000000	GAS PRODUCTION - FUGITIVE LOSSES - VALVES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31030301000000	GAS PRODUCTION - FUGITIVES - FLANGES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31031601000000	GAS PRODUCTION - MISCELLANEOUS FUGITIVE LOSSES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31030401000000	GAS PRODUCTION - FUGITIVE LOSSES - FITTINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31031501000000	GAS PRODUCTION - FUGITIVES - OPEN ENDED LINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COATINGS AND RELATED PROCESS SOLVENTS		8.02	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
23099590000000	INDUSTRIAL COATINGS (UNSPECIFIED)	3.58	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
23021890000000	AUTO REFINISHING - COATINGS	3.39	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
23023290000000	WOOD FURNITURE AND FABRICATED PRODUCTS COATINGS	0.89	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
23024083000000	THINNING AND CLEANUP SOLVENT USES	0.15	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
PRINTING		6.85	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
24099580000000	PRINTING	6.85	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
PETROLEUM MARKETING		6.63	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
33031801100000	PETROLEUM MARKETING - NATURAL GAS TRANSMISSION LOSSES	4.00	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
33039511000000	CARGO TANKS - PRESSURE RELATED - FUGITIVE	1.73	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
33039711000000	CARGO TANKS - PRODUCT HOSE - FUGITIVE	0.39	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
33037411000000	GASOLINE DISPENSING TANKS - WORKING LOSSES	0.29	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
33038111000000	VEHICLE REFUELING - HOSE PERMEATION	0.15	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
33039611000000	CARGO TANKS - VAPOR HOSE - FUGITIVE	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
33037611000000	GASOLINE DISPENSING TANKS - BREATHING LOSSES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Emissions for Top Area Source Categories in Shafter - Reactive Organic Gases

Category	EIC Description	2017 ROG tons per year	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC
ASPHALT PAVING / ROOFING		6.49	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
54056604000000	ASPHALT PAVING - EMULSIFIED ASPHALT	3.08	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
54056204000000	ASPHALT PAVING - ROAD OILS	2.32	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
54059004000000	ASPHALT ROOFING OPERATIONS	0.52	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
54056004000000	ASPHALT PAVING - CUTBACK ASPHALT	0.47	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
54056404000000	ASPHALT PAVING - HOT-MIX ASPHALT	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
MANAGED BURNING AND DISPOSAL		6.09	0.71	1.17	0.92	0.40	0.29	0.18	0.12	0.11	0.14	0.43	0.85	0.77
67066802009886	AGRICULTURAL BURNING - WEED ABATEMENT-TUMBLEWEEDS	2.76	0.19	0.51	0.61	0.27	0.13	0.02	0.03	0.03	0.04	0.20	0.34	0.38
67066002629892	AGRICULTURAL BURNING - PRUNINGS-VINEYARD REMOVAL	2.01	0.36	0.40	0.11	0.03	0.08	0.10	0.05	0.04	0.05	0.15	0.38	0.26
67066002629842	AGRICULTURAL BURNING - PRUNINGS-ATTRITION	0.88	0.10	0.18	0.13	0.07	0.05	0.04	0.03	0.03	0.02	0.05	0.09	0.08
67066002629862	AGRICULTURAL BURNING - PRUNINGS-ORCHARD REMOVAL	0.25	0.02	0.05	0.04	0.02	0.02	0.01	0.00	0.01	0.02	0.01	0.03	0.03
67066802009872	AGRICULTURAL BURNING - WEED ABATEMENT- PONDING/LEVEE BANKS/DITCHBANK/CANAL	0.11	0.01	0.02	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.01
67067002000000	NON-AGRICULTURAL OPEN BURNING	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67066002629884	AGRICULTURAL BURNING - PRUNINGS-TREE PRUNINGS	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67066802009858	AGRICULTURAL BURNING - WEED ABATEMENT-NOXIOUS WEEDS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67066002629874	AGRICULTURAL BURNING - PRUNINGS- RAISIN TRAYS	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
67099502409868	OTHER WASTE BURNING - PESTICIDE/SEED SACKS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67066402000000	AGRICULTURAL BURNING - RANGE IMPROVEMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

San Joaquin Railyards*



¹Class 1 Switchers may be frequently reassigned to a different railyard or a different region for operational needs. Class 1 major railyards switcher counts are from 2007-2009 Health Risk Assessments (HRA). Class 3, Passenger and Military/Industrial based on 2016 staff communication.

*Major railyard: One of selected 18 railyards in 2007-2009 HRA. Non-Major railyard is a Class 1 railyard that is not a Major railyard.

Class 1 Non-Major* Railyards

UP Tracy	
Operations	Classification
Switchers	Contact UP for tiers/count.

Class 3 Railyards

CCT (Central California Traction) Lodi Yard	
Operations	Switching
Switchers¹	5x Pre-Tier 0, 3x Genset (combined with CCT Port of Stockton Yard)

WI (West Isle Railroad) Yard	
Operations	Switching
Switchers¹	1x Pre-Tier 0



* Railyards in this document are locations where switchers operate or maintenance activities occur.

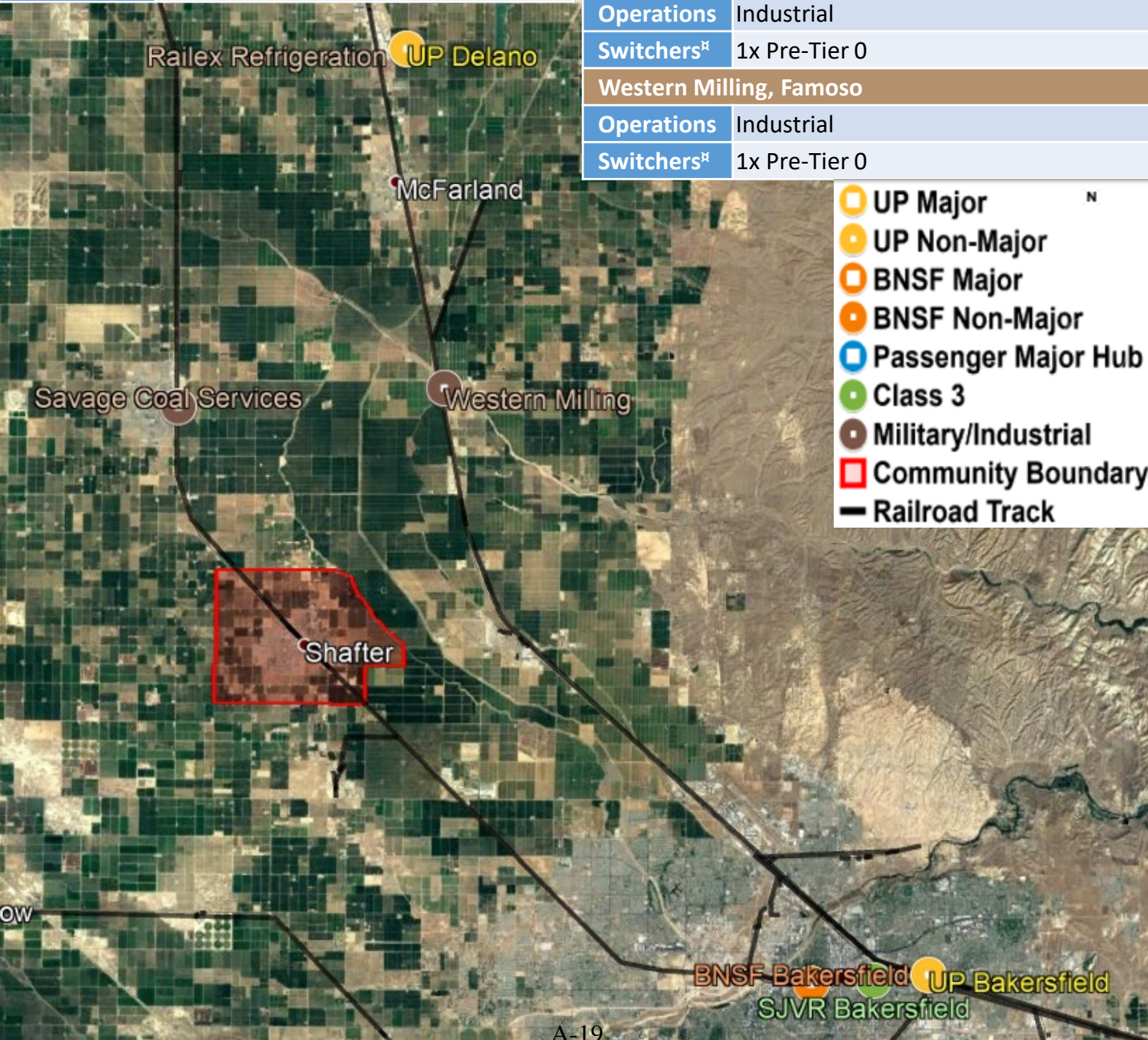
Shafter and Vicinity

Class 1 Non-Major* Railyards

UP Delano	
Operations	Classification
Switchers st	Contact UP for tiers/count.
UP Bakersfield	
Operations	Classification
Switchers st	Contact UP for tiers/count.
BNSF Bakersfield	
Operations	Classification
Switchers st	Contact BNSF for tiers/count.

Class 3 Railyards

SJVR Bakersfield	
Operations	Switching
Switchers st	18x Pre-Tier 0, 4x Tier 4 (all 3 SJVR yards combined)
Military / Industrial	
Railex Refrigeration	
Operations	Industrial
Switchers st	1x Pre-Tier 0
Savage Coal Services	
Operations	Industrial
Switchers st	1x Pre-Tier 0
Western Milling, Famoso	
Operations	Industrial
Switchers st	1x Pre-Tier 0



- UP Major ^N
- UP Non-Major
- BNSF Major
- BNSF Non-Major
- Passenger Major Hub
- Class 3
- Military/Industrial
- Community Boundary
- Railroad Track

Shafter Incentives from Jan 2015 to Apr 2020

ContractNumber	Paid Date	EquipmentCity	EquipmentZIP	Program	Component	ComponentOption	FunctionVocation	OfferedAmount	NOxTonsReduced	PMTonsReduced	ROGTonsReduced	TotalTonsReduced	LineExtensionOffered	Entity Physical City	Entity Physical State	Entity Physical Zip	Entity Physical County	Fund Class #1	Fund Class #2 (only if split funded)
C-35745-1A	1/6/2015	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 2,000.00	0.00	0.15	0.00	0.15	0	Shafter	CA	93263	Kern	Community Incentives	
C-27074-1A	1/15/2015	Shafter	93263	Heavy-Duty	On-Road Prop 1B	Vehicle Replacement	Agricultural	\$ 50,000.00	4.85	0.00	0.00	4.85	0	Shafter	CA	93263	Kern	Proposition 1B - Phase 4	
C-29158-1A	2/10/2015	Shafter	93263	Heavy-Duty	On-Road Prop 1B	Vehicle Replacement	Other	\$ 40,000.00	4.04	0.00	0.00	4.04	0	Shafter	CA	93263	Kern	Proposition 1B - Phase 4	
C-37301-1A	2/10/2015	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Stove	\$ 3,000.00	0.00	0.15	0.00	0.15	0	Shafter	CA	93263	Kern	Community Incentives	
C-37067-1A	2/10/2015	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.30	0.00	0.30	0	Shafter	CA	93263	Kern	Community Incentives	
C-37082-1A	2/10/2015	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.15	0.00	0.15	0	Shafter	CA	93263	Kern	Community Incentives	
C-37501-1A	3/2/2015	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.15	0.00	0.15	0	Shafter	CA	93263	Kern	Community Incentives	
C-38076-1A	4/13/2015	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.30	0.00	0.30	0	Shafter	CA	93263	Kern	Community Incentives	
C-38398-1A	4/13/2015	Wasco	93280	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.15	0.00	0.15	0	Wasco	CA	93280	Kern	Community Incentives	
C-38694-1A	5/18/2015	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	Community Incentives	
C-38726-1A	5/18/2015	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.01	0.00	0.01	0.02	0	Shafter	CA	93263	Kern	Mobile Source Incentives	
C-38793-1A	6/18/2015	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.01	0.00	0.02	0.03	0	Shafter	CA	93263	Kern	Mobile Source Incentives	
C-39058-1A	6/18/2015	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 49,715.75	1.65	0.03	0.02	1.70	0	Shafter	CA	93263	Kern	AB 2522	
C-25924-1A	6/24/2015	Bakersfield	93314	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 16,000.00	2.03	0.12	0.32	2.47	0	Bakersfield	CA	93312	0	Bakersfield	
C-39381-1A	6/24/2015	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 26,432.19	0.90	0.03	0.01	0.94	0	Shafter	CA	93263	Kern	AB 2522	
C-25926-1A	7/15/2015	Bakersfield	93314	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 16,000.00	1.72	0.10	0.28	2.10	0	Bakersfield	CA	93312	0	Bakersfield	
C-39449-1A	7/15/2015	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 43,978.95	4.69	0.00	0.09	4.78	0	Shafter	CA	93263	Kern	AB 2522	
C-39450-1A	7/15/2015	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 43,978.95	3.97	0.00	0.08	4.05	0	Shafter	CA	93263	Kern	AB 2522	
C-39786-1A	7/30/2015	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 43,978.95	2.48	0.00	0.02	2.50	0	Shafter	CA	93263	Kern	AB 2522	
C-39996-1A	8/4/2015	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.00	0.00	0.01	0.02	0	Shafter	CA	93263	Kern	Mobile Source Incentives	
C-27174-1A	9/3/2015	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Swathers	\$ 14,800.00	1.31	0.11	0.24	1.65	0	Shafter	CA	93263	Kern	AB 2522	
C-40397-1A	9/8/2015	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 3,000.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	Community Incentives	
C-39452-1A	9/10/2015	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 43,978.95	4.63	0.00	0.09	4.72	0	Shafter	CA	93263	Kern	AB 2522	
C-40046-1A	10/8/2015	Bakersfield	93314	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.01	0.00	0.01	0.02	0	Bakersfield	CA	93314	Kern	Mobile Source Incentives	
C-27172-1A	10/8/2015	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Swathers	\$ 14,800.00	1.31	0.12	0.26	1.69	0	Shafter	CA	93263	Kern	AB 2522	
C-40428-1A	11/2/2015	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.01	0.00	0.01	0.01	0	Shafter	CA	93263	Kern	Mobile Source Incentives	
C-41005-1A	11/24/2015	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 44,030.49	1.81	0.00	0.04	1.85	0	Shafter	CA	93263	Kern	AB 2522	
C-42352-1A	12/8/2015	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 3,000.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	Community Incentives	
C-42766-1A	1/6/2016	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.15	0.00	0.15	0	Shafter	CA	93263	Kern	Community Incentives	
C-39727-1A	1/26/2016	Shafter	93263	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 11,670.75	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
C-43845-1A	2/22/2016	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.15	0.00	0.15	0	Shafter	CA	93263	Kern	Community Incentives	
C-41349-1A	3/30/2016	Shafter	93263	Heavy-Duty	School Bus	Alt Fuel Tank Replacement	Tank Replacement	\$ 16,531.88	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	SB 709	
C-45174-1A	4/7/2016	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.00	0.00	0.01	0.01	0	Shafter	CA	93263	Kern	AB 2522	
C-45248-1A	4/25/2016	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.00	0.00	0.01	0.01	0	Shafter	CA	93263	Kern	AB 2522	
C-45318-1A	4/25/2016	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 44,984.63	2.87	0.00	0.02	2.89	0	Shafter	CA	93263	Kern	AB 2522	
C-45319-1A	4/25/2016	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 44,984.63	3.50	0.00	0.03	3.53	0	Shafter	CA	93263	Kern	AB 2522	
C-45320-1A	6/29/2016	Shafter	93263	Heavy-Duty	On-Road TVP	Vehicle Replacement	General On-Road Heavy Duty	\$ 44,984.63	2.54	0.00	0.02	2.56	0	Shafter	CA	93263	Kern	AB 2522	
C-46571-1A	6/30/2016	Bakersfield	93314	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	1.43	0.00	1.43	0	Bakersfield	CA	93314	Kern	Community Incentives	
C-30427-1B	9/8/2016	Bakersfield	93314	Heavy-Duty	School Bus	Vehicle Replacement	Public School Bus-SBIRp13	\$ 83,637.03	0.93	0.04	0.02	0.99	0	Bakersfield	CA	93314	Kern	AB 2522	
C-24753-1A	9/12/2016	Bakersfield	93314	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 70,000.00	13.64	0.59	1.50	15.73	0	Bakersfield	CA	93312	0	Moyer - SJV	
C-46603-1A	9/12/2016	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Grape Harvester	\$ 31,000.00	0.97	0.10	0.25	1.32	0	Shafter	CA	93263	Kern	AB 2522	
C-43182-1A	9/15/2016	Shafter	93263	Heavy-Duty	On-Road Prop 1B	Vehicle Replacement	Building or Construction Materials	\$ 60,000.00	5.46	0.00	0.00	5.46	0	Shafter	CA	93263	Kern	Proposition 1B - Phase 5	
C-47493-1A	10/6/2016	Shafter	93263	Lawn & Garden	Residential	Replacement	Lawn Mower	\$ 250.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	Community Incentives	
C-30306-2A	10/26/2016	Shafter	93263	Heavy-Duty	School Bus	Vehicle Replacement	Public School Bus-SBIRp13	\$ 90,200.88	0.22	0.01	0.00	0.23	0	Shafter	CA	93263	Kern	AB 2522	
C-47772-A	12/7/2016	Bakersfield	93314	Light-Duty	Van Pool	Voucher	Van Pool Subsidy	\$ 1,080.00	0.00	0.00	0.00	0.00	0	Bakersfield	CA	93309	Kern	SB 709	
C-30306-1A	12/7/2016	Shafter	93263	Heavy-Duty	School Bus	Vehicle Replacement	Public School Bus-SBIRp13	\$ 90,200.88	0.76	0.03	0.01	0.80	0	Shafter	CA	93263	Kern	AB 2522	
C-48528-1A	12/7/2016	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.01	0.00	0.01	0.02	0	Shafter	CA	93263	Kern	AB 2522	
C-45862-1A	12/7/2016	Bakersfield	93314	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 13,383.75	0.00	0.00	0.00	0.00	0	Bakersfield	CA	93314	Kern	AB 2522	
C-45862-2A	12/7/2016	Bakersfield	93314	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 13,383.75	0.00	0.00	0.00	0.00	0	Bakersfield	CA	93314	Kern	AB 2522	
C-45862-3A	12/7/2016	Bakersfield	93314	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 12,093.75	0.00	0.00	0.00	0.00	0	Bakersfield	CA	93314	Kern	AB 2522	
C-45862-4A	12/12/2016	Bakersfield	93314	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 20,000.00	0.00	0.00	0.00	0.00	0	Bakersfield	CA	93314	Kern	AB 2522	
C-49911-1A	1/3/2017	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.08	0.00	0.08	0	Shafter	CA	93263	Kern	Community Incentives	VERA
C-50634-1A	1/26/2017	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 3,000.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	Community Incentives	
C-51196-1A	2/23/2017	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 1,500.00	0.00	0.12	0.00	0.12	0	Shafter	CA	93263	Kern	Community Incentives	VERA
C-51715-1A	3/15/2017	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.01	0.00	0.01	0.02	0	Shafter	CA	93263	Kern	AB 2522	
C-51963-1A	4/4/2017	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Insert	\$ 3,000.00	0.00	0.12	0.00	0.12	0	Shafter	CA	93263	Kern	EPA Settlements - Estes Express Lines - Community Incentives - Ph. 1	
C-51707-1A	4/17/2017	Bakersfield	93314	Lawn & Garden	Residential	Replacement	Lawn Mower	\$ 250.00	0.00	0.00	0.00	0.00	0	Bakersfield	CA	93314	Kern	Community Incentives	
C-53553-1A	5/15/2017	Shafter	93263	Light-Duty	EFMP	Replacement	Day Forward Replacement	\$ 5,000.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	ARB - Enhanced Fleet Modernization Program - Plus Up - Ph. 2	
C-49801-1A	6/1/2017	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 35,000.00	2.70	0.17	0.39	3.26	0	Bakersfield	CA	93390	0	VERA	
C-54018-1A	6/1/2017	Shafter																	

Shafter Incentives from Jan 2015 to Apr 2020

ContractNumber	Paid Date	EquipmentCity	EquipmentZIP	Program	Component	ComponentOption	FunctionVocation	OfferedAmount	NOxTonsReduced	PMTonsReduced	ROGTonsReduced	TotalTonsReduced	LineExtensionOffered	Entity Physical City	Entity Physical State	Entity Physical Zip	Entity Physical County	Fund Class #1	Fund Class #2 (only if split funded)
C-51812-2A	6/11/2018	Shafter	93263	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 14,607.83	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
C-51812-3A	6/11/2018	Shafter	93263	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 12,923.59	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
C-64164-1A	6/27/2018	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.01	0.00	0.01	0.01	0	Shafter	CA	93263	Kern	SB 709	
C-65280-1A	8/9/2018	Wasco	93280	Light-Duty	EFMP	Replacement	Day Forward Replacement	\$ 9,500.00	0.00	0.00	0.00	0.00	0	Wasco	CA	93280	Kern	ARB - Enhanced Fleet Modernization Program - Ph. 3	ARB - Enhanced Fleet Modernization Program - Plus Up - Ph. 3
C-65275-1-A1	8/9/2018	Wasco	93280	Lawn & Garden	Residential	Replacement	Lawn Mower	\$ 150.00	0.00	0.00	0.00	0.00	0	Wasco	CA	93280	Kern	Community Incentives	
C-65378-1-A1	9/4/2018	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.01	0.00	0.01	0.01	0	Shafter	CA	93263	Kern	SB 709	
G-66497-A1	9/6/2018	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 1,500.00	0.00	0.92	0.00	0.92	0	Shafter	CA	93263		2016 Air Shed - Wood Burning Devices Replacement	
G-65680-A1	9/6/2018	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	Light-Med. Duty Vehicle	\$ 2,000.00	0.00	0.00	0.01	0.01	0	Shafter	CA	93263		0 SB 709	
C-54863-1A	10/22/2018	Bakersfield	93314	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 13,352.63	0.00	0.00	0.00	0.00	0	Bakersfield	CA	93314	Kern	AB 2522	
G-68560-A1	10/25/2018	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 1,500.00	0.00	0.92	0.00	0.92	0	Shafter	CA	93263		2016 Air Shed - Wood Burning Devices Replacement	
G-67324-A1	10/25/2018	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.00	0.00	0.01	0.01	0	Shafter	CA	93263		0 AB 2522	
G-65817-A1	11/13/2018	Wasco	93280	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.00	0.00	0.00	0.01	0	Wasco	CA	93280		0 SB 709	
G-67365-A1	11/19/2018	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.00	0.00	0.01	0.01	0	Shafter	CA	93263		0 AB 2522	
G-69467-A1	11/26/2018	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 1,000.00	0.00	0.25	0.00	0.25	0	Shafter	CA	93263		0 Community Incentives	
G-67814-A1	12/3/2018	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.01	0.00	0.01	0.02	0	Shafter	CA	93263		0 AB 2522	
G-69707-A1	12/3/2018	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 9,252.89	0.04	0.00	0.07	0.11	0	Shafter	CA	93263	Fresno	FARMER - GGRF	
G-69708-A1	12/6/2018	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 9,252.89	0.24	0.01	0.06	0.31	0	Shafter	CA	93263	Fresno	FARMER - GGRF	
G-69296-A1	12/13/2018	Wasco	93280	Light-Duty	Charge Up	EV Charger-Private	Electric Vehicle Charger MUD	\$ 12,000.00	0.00	0.00	0.00	0.00	0	Clovis	CA	93611		0 AB 2522	
G-70737-A1	1/8/2019	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 12,001.28	0.04	0.00	0.07	0.12	0	Shafter	CA	93263		0 FARMER - GGRF	
G-71971-A1	1/8/2019	Shafter	93263	Heavy-Duty	Ag Burn Alternative	Voucher		\$ 20,400.00	2.20	3.70	2.60	8.50	0	Shafter	CA	93263		0 Community Incentives	
G-71971-A1	2/12/2019	Shafter	93263	Heavy-Duty	Ag Burn Alternative	Voucher		\$ 20,400.00	2.20	3.70	2.60	8.50	0	Shafter	CA	93263		0 Community Incentives	
G-71342-A1	2/26/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 3,000.00	0.00	1.85	0.00	1.85	0	Shafter	CA	93263		2015 Air Shed - Wood Burning Devices Replacement	Community Incentives
G-73690-A1	2/26/2019	Bakersfield	93314	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 13,720.99	0.02	0.00	0.03	0.05	0	Bakersfield	CA	93314		0 FARMER - GGRF	
G-73691-A1	2/26/2019	Bakersfield	93314	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 11,389.95	0.02	0.00	0.03	0.05	0	Bakersfield	CA	93314		0 FARMER - GGRF	
G-73725-A1	3/5/2019	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 12,424.38	0.01	0.00	0.02	0.04	0	Shafter	CA	93263		0 FARMER - GGRF	
G-74429-A1	3/25/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 3,000.00	0.00	0.46	0.00	0.46	0	Shafter	CA	93263		0 Community Incentives	
G-73729-A1	3/25/2019	Bakersfield	93314	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 14,839.07	0.02	0.00	0.04	0.06	0	Bakersfield	CA	93314		0 FARMER - GGRF	
G-73989-A1	3/27/2019	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 12,786.26	0.03	0.00	0.04	0.07	0	Shafter	CA	93263		0 FARMER - GGRF	
G-70511-A1	3/27/2019	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.01	0.00	0.01	0.02	0	Shafter	CA	93263		0 AB 2522	
G-67506-A1	3/28/2019	Bakersfield	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 40,250.00	7.72	0.41	0.72	8.85	0	Bakersfield	CA	93313		0 Community Air Protection Funds - Phase 1	
G-75329-A1	4/4/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 1,500.00	0.00	0.12	0.00	0.12	0	Shafter	CA	93263		0 Community Incentives	
G-74712-A1	4/4/2019	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 14,866.97	0.04	0.00	0.07	0.11	0	Shafter	CA	93263		0 FARMER - GGRF	
G-74714-A1	4/15/2019	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 14,866.97	0.04	0.00	0.07	0.11	0	Shafter	CA	93263		0 FARMER - GGRF	
G-74988-A1	4/29/2019	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 14,240.87	0.06	0.00	0.03	0.09	0	Shafter	CA	93263	Kern	FARMER - GGRF	
G-75074-A1	5/13/2019	Wasco	93280	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 13,960.08	0.08	0.00	0.14	0.22	0	Wasco	CA	93280	Kern	FARMER - GGRF	
G-75076-A1	6/4/2019	Wasco	93280	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 14,943.59	0.08	0.00	0.14	0.22	0	Wasco	CA	93280	Kern	FARMER - GGRF	
G-76716-A1	6/4/2019	Shafter	93263	Light-Duty	Charge Up	EV Charger-Private	Electric Vehicle Charger	\$ 6,000.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
G-77828-A1	6/4/2019	Shafter	93263	Light-Duty	Charge Up	EV Charger-Private	Electric Vehicle Charger	\$ 6,000.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
G-71986-A1	6/6/2019	Shafter	93263	Heavy-Duty	Off-Road	Low-Dust Harvester Replacement	PTO Driven Harvester	\$ 40,877.94	0.00	43.13	0.00	43.13	0	Bakersfield	CA	93301		0 Community Incentives	
G-69873-A1	6/6/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 118,000.00	7.64	0.19	0.38	8.21	0	Shafter	CA	93263	Kern	Community Air Protection Funds - Phase 1	
G-71774-A1	6/6/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Windrower	\$ 52,421.70	1.66	0.21	0.27	2.14	0	Shafter	CA	93263		0 Community Air Protection Funds - Phase 1	
G-71775-A1	6/6/2019	Shafter	93263	Heavy-Duty	Off-Road	Low-Dust Harvester Replacement	PTO Driven Harvester	\$ 44,577.64	0.00	25.37	0.00	25.37	0	Lost Hills	CA	93249		0 Community Incentives	
G-75038-A1	6/11/2019	Shafter	93263	Heavy-Duty	Off-Road	Replacement	PTO Driven Harvester	\$ 35,024.00	0.00	33.04	0.00	33.04	0	Shafter	CA	93263	Kern	Community Incentives	
G-74496-A1	6/14/2019	Wasco	93280	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.02	0.00	0.02	0.04	0	Wasco	CA	93280		0 AB 2522	
G-74936-A1	6/19/2019	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 2,000.00	0.01	0.00	0.01	0.01	0	Shafter	CA	93263		0 AB 2522	
G-79581-A1	6/20/2019	Shafter	93263	Lawn & Garden	Residential	Replacement		\$ 250.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263		0 Community Incentives	
G-79353-A1	6/20/2019	Shafter	93263	Lawn & Garden	Residential	New Purchase		\$ 50.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263		0 Community Incentives	
G-75060-A1	7/10/2019	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263		0 AB 2522	
G-66186-A1	7/10/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 39,900.00	15.41	1.07	1.47	17.95	0	Bakersfield	CA	93311		0 Community Air Protection Funds - Phase 1	
G-66673-A1	7/10/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 33,439.95	6.10	0.30	0.39	6.79	0	Modesto	CA	95358		0 Community Air Protection Funds - Phase 1	
G-66680-A1	7/10/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 33,439.95	6.10	0.30	0.39	6.79	0	Modesto	CA	95358		0 Community Air Protection Funds - Phase 1	
G-69032-A1	7/10/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 36,750.00	4.23	0.39	0.54	5.16	0	Shafter	CA	93263		0 Community Air Protection Funds - Phase 1	
G-70265-A1	7/10/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Tractor	\$ 42,918.53	1.97	0.09	0.13	2.19	0	Modesto	CA	95358		0 Community Air Protection Funds - Phase 1	
G-70265-A1	7/10/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Tractor	\$ 42,918.53	1.97	0.09	0.13	2.19	0	Modesto	CA	95358		0 Community Air Protection Funds - Phase 1	
G-70267-A1	7/10/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Tractor	\$ 42,918.53	1.97	0.09	0.13	2.19	0	Modesto	CA	95358		0 Community Air Protection Funds - Phase 1	
G-70267-A1	7/10/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Tractor	\$ 42,918.53	1.97	0.09	0.13	2.19	0	Modesto	CA	95358		0 Community Air Protection Funds - Phase 1	
G-70270-A1	7/10/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Tractor	\$ 42,918.53	1.97	0.09	0.13	2.19	0	Modesto	CA	95358		0 Community Air Protection Funds - Phase 1	
G-70270-A1	7/11/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Tractor	\$ 42,918.53	1.97	0.09	0.13	2.19	0	Modesto	CA	95358		0 Community Air Protection Funds - Phase 1	
G-76385-A1	7/11/2019	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV	\$ 13,675.06	0.02	0.00	0.04	0.07	0	Shafter	CA	93263		0 FARMER - GGRF	
G-76385-A1	7/18/2019	Shafter	93263	Heavy-Duty	Ag-UTV	Vehicle Replacement	Ag UTV												

Shafter Incentives from Jan 2015 to Apr 2020

ContractNumber	Paid Date	EquipmentCity	EquipmentZIP	Program	Component	ComponentOption	FunctionVocation	OfferedAmount	NOxTonsReduced	PMTonsReduced	ROGTonsReduced	TotalTonsReduced	LineExtensionOffered	Entity Physical City	Entity Physical State	Entity Physical Zip	Entity Physical County	Fund Class #1	Fund Class #2 (only if split funded)
G-66523-A1	9/4/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 97,500.00	16.53	0.53	1.27	18.33	0	Bakersfield	CA	93301	0	Community Air Protection Funds - Phase 1	
G-66626-A1	9/9/2019	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 39,900.00	10.38	0.27	0.53	11.18	0	Bakersfield	CA	93301	0	Community Air Protection Funds - Phase 1	
G-82521-A1	9/18/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 1,000.00	0.00	0.96	0.00	0.96	0	Shafter	CA	93263	0	Community Incentives	
G-75675-A1	9/18/2019	Shafter	93263	Heavy-Duty	On-Road	Truck Replacement	Hazardous Materials	\$ 50,000.00	3.14	0.00	0.42	3.56	0	Shafter	CA	93263	Kern	VERA	
G-75679-A1	9/18/2019	Shafter	93263	Heavy-Duty	On-Road	Truck Replacement	Hazardous Materials	\$ 50,000.00	1.19	0.00	0.16	1.35	0	Shafter	CA	93263	Kern	DERA - Heavy Duty Truck Replacement - Ph. 3	VERA
G-75680-A1	9/18/2019	Shafter	93263	Heavy-Duty	On-Road	Truck Replacement	Hazardous Materials	\$ 50,000.00	3.04	0.00	0.41	3.45	0	Shafter	CA	93263	Kern	VERA	
G-75681-A1	9/18/2019	Shafter	93263	Heavy-Duty	On-Road	Truck Replacement	Hazardous Materials	\$ 22,000.00	0.69	0.00	0.06	0.75	0	Shafter	CA	93263	Kern	VERA	
G-75682-A1	10/7/2019	Shafter	93263	Heavy-Duty	On-Road	Truck Replacement	Hazardous Materials	\$ 50,000.00	2.47	0.00	0.19	2.66	0	Shafter	CA	93263	Kern	VERA	
G-84252-A1	11/5/2019	Shafter	93263	Light-Duty	Charge Up	EV Charger-Private	Alternative Fuel Vehicle	\$ 6,000.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
G-84954-A1	11/5/2019	Shafter	93263	Heavy-Duty	Ag Burn Alternative	Voucher		\$ 14,640.00	1.57	2.65	1.89	6.11	0	Delano	CA	93215	0	Community Incentives	VERA
G-84954-A1	11/5/2019	Shafter	93263	Heavy-Duty	Ag Burn Alternative	Voucher		\$ 14,640.00	1.57	2.65	1.89	6.11	0	Delano	CA	93215	0	Community Incentives	VERA
G-84954-A1	11/5/2019	Shafter	93263	Heavy-Duty	Ag Burn Alternative	Voucher		\$ 14,640.00	1.57	2.65	1.89	6.11	0	Delano	CA	93215	0	Community Incentives	VERA
G-84954-A1	11/6/2019	Shafter	93263	Heavy-Duty	Ag Burn Alternative	Voucher		\$ 14,640.00	1.57	2.65	1.89	6.11	0	Delano	CA	93215	0	Community Incentives	VERA
G-86063-A1	11/13/2019	Shafter	93263	Lawn & Garden	Residential	New Purchase		\$ 25.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	0	Community Incentives	
G-86455-A1	11/14/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Stove	\$ 3,000.00	0.00	0.46	0.00	0.46	0	Shafter	CA	93263	0	ISR	
G-86746-A1	11/18/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Stove	\$ 3,000.00	0.00	0.64	0.00	0.64	0	Shafter	CA	93263	0	ISR	
G-86474-A1	11/18/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Stove	\$ 3,000.00	0.00	0.46	0.00	0.46	0	Shafter	CA	93263	0	ISR	
G-86870-A1	11/20/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 3,000.00	0.00	0.23	0.00	0.23	0	Shafter	CA	93263	0	ISR	
G-87288-A1	11/20/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 3,000.00	0.00	0.23	0.00	0.23	0	Shafter	CA	93263	0	ISR	
G-87309-A1	12/2/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Stove	\$ 3,000.00	0.00	0.46	0.00	0.46	0	Shafter	CA	93263	0	ISR	
G-87278-A1	12/2/2019	Shafter	93263	Heavy-Duty	Ag Burn Alternative	Voucher		\$ 60,000.00	9.63	16.26	11.64	37.53	0	Shafter	CA	93263	0	Community Incentives	VERA
G-87278-A1	12/13/2019	Shafter	93263	Heavy-Duty	Ag Burn Alternative	Voucher		\$ 60,000.00	9.63	16.26	11.64	37.53	0	Shafter	CA	93263	0	Community Incentives	VERA
G-89020-A1	12/16/2019	Bakersfield	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Stove	\$ 3,000.00	0.00	0.46	0.00	0.46	0	Bakersfield	CA	93263	0	ISR	
G-88820-A1	12/17/2019	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 3,000.00	0.00	0.23	0.00	0.23	0	Shafter	CA	93263	0	ISR	
C-61452-2-A1	12/18/2019	Shafter	93263	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 19,766.03	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
G-76935-A1	12/26/2019	Shafter	93263	Public Benefit	Alternative Fuel	New Vehicle	Alternative Fuel Vehicle	\$ 19,766.03	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
G-89397-A1	1/2/2020	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 3,000.00	0.00	0.46	0.00	0.46	0	Shafter	CA	93263	0	ISR	
G-89861-A1	1/8/2020	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Stove	\$ 3,000.00	0.00	1.91	0.00	1.91	0	Shafter	CA	93263	0	ISR	
G-90024-A1	1/9/2020	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Stove	\$ 3,000.00	0.00	0.23	0.00	0.23	0	Shafter	CA	93263	0	ISR	
G-90343-A1	1/10/2020	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 3,000.00	0.00	0.46	0.00	0.46	0	Shafter	CA	93263	0	ISR	
G-79870-A1	1/15/2020	Bakersfield	93314	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Chopper	\$ 308,500.00	12.98	0.35	0.60	13.93	0	Bakersfield	CA	93311	Kern	FARMER - GGRF - Ph.2	
G-90481-A1	1/24/2020	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device	New Stove	\$ 1,500.00	0.00	0.46	0.00	0.46	0	Shafter	CA	93263	0	ISR	
G-91114-A1	2/11/2020	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 3,000.00	0.00	0.48	0.00	0.48	0	Shafter	CA	93263	0	ISR	
G-88689-A1	2/11/2020	Shafter	93263	Light-Duty	Charge Up	EV Charger-Public	Electric Vehicle Charger Level 3 Corridor	\$ 50,000.00	0.00	0.00	0.00	0.00	0	SHAFTER	CA	93263	0	AB 2522	
G-89111-A1	2/20/2020	Shafter	93263	Light-Duty	Charge Up	EV Charger-Public	Electric Vehicle Charger	\$ 6,000.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	0	AB 2522	
G-67938-A1	3/9/2020	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 30,985.95	1.79	0.16	0.23	2.18	0	Shafter	CA	93263	0	FARMER - GGRF - Ph. 2	
G-69560-A1	3/16/2020	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Back Hoe	\$ 64,350.00	3.80	0.35	0.48	4.63	0	Bakersfield	CA	93301	0	FARMER - GGRF - Ph. 2	
G-74085-A1	3/19/2020	Bakersfield	93314	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Agricultural Tractor	\$ 34,650.00	5.40	0.40	0.70	6.50	0	Bakersfield	CA	93311	0	VERA	
G-74893-A1	3/19/2020	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Wheel Loader	\$ 106,600.00	3.31	0.17	0.21	3.69	0	Shafter	CA	93263	Mobile Equipment	FARMER - GGRF - Ph.2	
G-74895-A1	3/19/2020	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Wheel Loader	\$ 112,450.00	7.83	0.54	0.81	9.18	0	Shafter	CA	93263	Mobile Equipment	FARMER - GGRF - Ph.2	
G-74898-A1	3/25/2020	Shafter	93263	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Wheel Loader	\$ 101,400.00	8.55	0.45	0.73	9.73	0	Shafter	CA	93263	Mobile Equipment	VERA	
G-92210-A1	4/2/2020	Shafter	93263	Heavy-Duty	On-Road	Truck Repair Pilot	Building or Construction Materials	\$ 6,649.29	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	0	ARB - Heavy Duty Truck Repair	
G-93830-A1	4/2/2020	Shafter	93263	Light-Duty	Drive Clean	EV Vehicle Rebate	DCVR/Vehicles-Vehicles	\$ 3,000.00	0.01	0.00	0.01	0.02	0	Shafter	CA	93263	0	AB 2522	
G-93788-A1	4/6/2020	Shafter	93263	Burn Cleaner	Wood Stove Change Out	New Device		\$ 3,000.00	0.00	0.23	0.00	0.23	0	Shafter	CA	93263	0	ISR	
G-85058-A1	4/6/2020	Bakersfield	93314	Heavy-Duty	Off-Road	Ag Vehicle Replacement	Swathers	\$ 115,500.00	4.06	0.12	0.23	4.41	0	Bakersfield	CA	93314	0	FARMER - ARFVTF	
	2/13/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 826.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
	2/20/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 595.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
	2/20/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 832.00	0.01	0.01	0.01	0.03	0	Shafter	CA	93263	Kern	AB 2522	
	2/20/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00	0.00	0.00	0.01	0	Shafter	CA	93263	Kern	AB 2522	
	2/20/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
	2/20/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 50.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
	5/30/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 752.00	0.01	0.01	0.01	0.02	0	Shafter	CA	93263	Kern	AB 2522	
	5/30/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 643.00	0.00	0.00	0.00	0.01	0	Shafter	CA	93263	Kern	AB 2522	
	6/6/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
	6/13/2015	Bakersfield	93314	Light-Duty	Tune In Tune Up	Repairs		\$ 125.00	0.00	0.00	0.00	0.00	0	Bakersfield	CA	93314	Kern	AB 2522	
	6/20/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 814.00	0.01	0.00	0.01	0.01	0	Shafter	CA	93263	Kern	AB 2522	
	7/11/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 749.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
	7/11/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.01	0.00	0.01	0.01	0	Shafter	CA	93263	Kern	AB 2522	
	9/12/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.01	0.01	0.01	0.02	0	Shafter	CA	93263	Kern	AB 2522	
	9/12/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 650.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
	9/19/2015	Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 50.00	0.00	0.00	0.00	0.00	0	Shafter	CA	93263	Kern	AB 2522	
	9/19/2015	Shafter	93263	Light-Duty	Tune In Tune														

Shafter Incentives from Jan 2015 to Apr 2020

ContractNumber	Paid Date	EquipmentCity	EquipmentZIP	Program	Component	ComponentOption	FunctionVocation	OfferedAmount	NOxTonsReduced	PMTonsReduced	ROGTonsReduced	TotalTonsReduced	LineExtensionOffered	Entity Physical City	Entity Physical State	Entity Physical Zip	Entity Physical County	Fund Class #1	Fund Class #2 (only if split funded)
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 756.00	0.01		0.01	0.02		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Bakersfield	93314	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Bakersfield	CA	93314 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.01		Shafter	CA	93263 Kern		AB 2522	
		Bakersfield	93314	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Bakersfield	CA	93314 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.01		0.01	0.02		Shafter	CA	93263 Kern		AB 2522	
		Bakersfield	93314	Light-Duty	Tune In Tune Up	Repairs		\$ 125.00	0.00		0.00	0.00		Bakersfield	CA	93314 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 380.00	0.00		0.00	0.01		Shafter	CA	93263 Kern		AB 2522	
		Bakersfield	93314	Light-Duty	Tune In Tune Up	Repairs		\$ 684.00	0.00		0.00	0.00		Bakersfield	CA	93314 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.01		Shafter	CA	93263 Kern		AB 2522	
		Bakersfield	93314	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.04		Bakersfield	CA	93314 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.03		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 600.00	0.00		0.01	0.01		Shafter	CA	93263 Kern		AB 2522	
		Bakersfield	93314	Light-Duty	Tune In Tune Up	Repairs		\$ 125.00	0.00		0.00	0.00		Bakersfield	CA	93314 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 183.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 108.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 849.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 832.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 840.00	0.01		0.00	0.02		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 481.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 598.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 837.00	0.01		0.00	0.01		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.02		0.00	0.02		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.02		0.02	0.04		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.01		0.00	0.01		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 50.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Bakersfield	93314	Light-Duty	Tune In Tune Up	Repairs		\$ 50.00	0.00		0.00	0.00		Bakersfield	CA	93314 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 125.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 50.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	
		Bakersfield	93314	Light-Duty	Tune In Tune Up	Repairs		\$ 743.00	0.00		0.00	0.01		Bakersfield	CA	93314 Kern		AB 2522	
		Shafter	93263	Light-Duty	Tune In Tune Up	Repairs		\$ 850.00	0.00		0.00	0.00		Shafter	CA	93263 Kern		AB 2522	