

California Air Resources Board

Appendix E

Aggregated AB 617 Emissions Data

Proposed Amendments to the In-Use Off-Road Diesel-Fueled Fleets Regulation

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I. Emissions in Environmental Justice Communities

California has made dramatic progress in improving air quality. However, disparities in air pollution exposure, susceptibility, and health, still exist, particularly for disadvantaged and low-income communities. Assembly Bill (AB) 617 (Garcia, Chapter 136, Statutes of 2017) was signed into law in July 2017 to further environmental justice efforts in California. AB 617 requires CARB to address community-scale air pollution through new community-focused and community-driven actions to reduce emissions and exposure to air pollution and improve public health in environmental justice communities. These communities experience disproportionate cumulative burdens from exposure to air pollutants, including diesel particulate matter (DPM) which these Proposed Amendments are reducing.

As of January 2022, 17 communities have been selected¹ under AB 617 to develop and implement a Community Emissions Reduction Plan (CERP) and/or a Community Air Monitoring Plan (CAMP). The CERPs identify each community's air pollution concerns and a suite of strategies to reduce emissions from the identified sources. These strategies can include new regulations, new incentive grant funding, and new exposure reduction resources and tools. Ten of the AB 617 community steering committees identified in-use off-road diesel equipment and/or activities and facilities that utilize in-use off-road diesel equipment as a top concern in their communities; those communities would directly benefit from the Proposed Amendments.

Below are emission inventory data for the ten communities that identified off-road diesel equipment as a top concern. Emission inventories were developed by Air District and CARB staff for the CERPs. Per CARB's Community Air Protection Blueprint² and supporting guidance³ for emission inventories, the base year and data vintage for the development of each community inventory varies depending on when a community was selected under the AB 617 program. Best efforts were made to estimate the emissions attributable to vehicles subject to the Proposed Amendments for these AB 617 communities.

Table 1 provides an overview of the total estimated annual emissions for each of the 10 communities. Subsequent tables provide, for each community, Emission Inventory Codes and corresponding emission contributions from off-road diesel vehicles that are subject to the Proposed Amendments. The subtotals reflect total estimated emissions from vehicles that would be subject to the Proposed Amendments that are likely in those AB 617 communities. Estimated relative emission contributions can be readily identified by viewing table columns that display subtotal percentages. For example, Table 2, for the Arvin, Lamont Community, shows that rubber-tired loaders contribute to more than 15 percent of NOx and

¹ CARB. (2022). Fourth Annual Community Air Protection Program Recommendations: Staff Report. Retrieved July 28, 2022, from [Fourth Annual Community Recommendations Staff Report \(ca.gov\)](#)

² CARB. (2018). Community Air Protection Blueprint: For selecting Communities, Preparing Community Emissions Reduction Programs, Identifying Statewide Strategies, and Conducting Community Air Monitoring. Retrieved July 11, 2022, from [Community Air Protection BLUEPRINT, October 2018 \(ca.gov\)](#)

³ CARB. (2020). AB 617 Community Planning Emission Inventory: Inventory Years. Retrieved July 11, 2022, from [Microsoft Word - AB 617 Calendar Years for Community Planning Emission Inventories 2020-02-26.docx](#)

15 percent of DPM emissions from vehicles that are subject to the Proposed Amendments in the Arvin, Lamont Community in the Emission Inventory Year.

Table 1. Emissions in AB 617 Communities

Community	Emission Inventory Year	Total TPY NOx	Total TPY DPM
Arvin, Lamont ⁴	2019	363.27	7.70
Calexico, El Centro, Heber ⁵	2017	872.42	11.83
East Los Angeles, Boyle Heights, West Commerce ⁶	2017	2,709.54	34.76
Portside Environmental Justice Neighborhoods ⁷	2018	1,462.40	28.26
San Bernardino, Muscoy ⁸	2017	1,140.43	19.97
South Central Fresno ⁹	2017	2,392.93	32.50
South Los Angeles ¹⁰	2019	3,164.34	41.18
Southeast Los Angeles ¹¹	2018	2,868.39	35.95

⁴ Arvin/Lamont AB 617 Community Steering Committee and San Joaquin Valley Air Pollution Control District. (2022). Draft Arvin/Lamont Community Emissions Reduction Program. Retrieved July 5, 2022, from https://community.valleyair.org/media/3918/arvinlamont-cerp-draft_may-18.pdf

⁵ Ramboll US Corporation et al. (2019). Imperial County: Year 1 Community Emissions Reduction Program Plan for the El Centro-Heber- Calexico Corridor. Imperial County Air Pollution District. Retrieved July 6, 2022, from [99eb03_080a305618f5453cb0c69272eb622946.pdf \(icab617community.org\)](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/cerp/carb-submittal/final-cerp.pdf?sfvrsn=9)

⁶ South Coast AQMD. (2019a). Community Emissions Reduction Plan: East Los Angeles, Boyle Heights, West Commerce. Retrieved July 6, 2022, from [final-cerp.pdf \(aqmd.gov\)](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/cerp/carb-submittal/final-cerp.pdf?sfvrsn=9)

⁷ San Diego County APCD. (2021). Community Emissions Reduction Plan: Portside Environmental Justice Neighborhoods. Retrieved July 6, 2022, from [Table of Contents \(sdapcd.org\)](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/cerp/carb-submittal/final-cerp.pdf?sfvrsn=9)

⁸ South Coast AQMD. (2019b). Community Emissions Reduction Plan: San Bernardino, Muscoy. Retrieved July 6, 2022, from <https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/cerp/carb-submittal/final-cerp.pdf?sfvrsn=9>

⁹ San Joaquin Valley Air Pollution Control District. (2019). Community Emissions Reduction Program: South Central Fresno. Retrieved July 6, 2022, from [01finalscfresnocerp-9-19-19.pdf \(valleyair.org\)](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/cerp/carb-submittal/final-cerp.pdf?sfvrsn=9)

¹⁰ South Coast AQMD. (2022). Draft Community Emissions Reduction Plan: South Los Angeles Chapter 5. Retrieved July 6, 2022, from [ch5a.pdf \(aqmd.gov\)](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/cerp/carb-submittal/final-cerp.pdf?sfvrsn=9)

¹¹ South Coast AQMD. (2020). Community Emissions Reduction Plan Final: Southeast Los Angeles. Retrieved July 6, 2022, from [final-cerp.pdf \(aqmd.gov\)](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/cerp/carb-submittal/final-cerp.pdf?sfvrsn=9)

Community	Emission Inventory Year	Total TPY NOx	Total TPY DPM
Stockton ¹²	2018	1,200.68	17.00 ¹³
West Oakland ¹⁴	2017	--- ¹⁵	28.02

¹² San Joaquin Valley Air Pollution Control District. (2021). Community Emissions Reduction Program: Stockton. Retrieved July 6, 2022, from [Stockton Community Emissions Reduction Program 2021 Annual Report \(valleyair.org\)](https://valleyair.org)

¹³ CARB (2021). Preliminary Comparison of Port of Stockton Emissions. Publicly presented by CARB on March 4, 2021.

¹⁴ Bay Area Air Quality Management District and West Oakland Environmental Indicators Project. (2019). *Owning Our Air - The West Oakland Community Action Plan - Volume 1: The Plan*. Bay Area Air Quality Management District. Retrieved July 6, 2022, from [final-plan-vol-1-100219-pdf.pdf \(baaqmd.gov\)](https://baaqmd.gov)

¹⁵ The published West Oakland CERP did not include NOx emissions, but focused on PM2.5, DPM, and TACs.

II. Arvin, Lamont Community

The main sources of air pollution emissions identified in the published Arvin Lamont AB 617 CERP were heavy-duty vehicles, medium-duty vehicles, and passenger cars, off-road equipment, and stationary sources. Based on the 2019 base year emission inventory developed for the Arvin, Lamont CERP, it is estimated that vehicles subject to the Proposed Amendments contributed to 6 percent of NOx emissions and 12 percent of DPM emissions. Table 2 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 2. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the Arvin, Lamont Community (2019)¹⁶

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612100160	Aerial Lifts-D-15-Exhaust	0.0004722	0.0000184	0.00%	0.00%
86088612100190	Aerial Lifts-D-25-Exhaust	0.0008901	0.0000388	0.00%	0.00%
86088612100210	Aerial Lifts-D-50-Exhaust	0.0160054	0.0002168	0.08%	0.02%
86088612100230	Aerial Lifts-D-120-Exhaust	0.0199366	0.0004894	0.09%	0.05%
86088612100240	Aerial Lifts-D-500-Exhaust	0.0006370	0.0000202	0.00%	0.00%
86088612102724	Forklifts-D-1000-Exhaust	0.0001494	0.0000013	0.00%	0.00%

¹⁶ From the community inventory used to develop the CERP.

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612102890	Forklifts-D-50-Exhaust	0.0169944	0.0014014	0.08%	0.15%
86088612102920	Forklifts-D-120-Exhaust	0.2135103	0.0165403	1.00%	1.74%
86088612102950	Forklifts-D-175-Exhaust	0.0571965	0.0031104	0.27%	0.33%
86088612102960	Forklifts-D-250-Exhaust	0.0132542	0.0005467	0.06%	0.06%
86088612102970	Forklifts-D-500-Exhaust	0.0025074	0.0001021	0.01%	0.01%
86088612105520	Other General Industrial Equipmen-D-15-Exhaust	0.0002975	0.0000116	0.00%	0.00%
86088612105540	Other General Industrial Equipmen-D-25-Exhaust	0.0007883	0.0000295	0.00%	0.00%
86088612105560	Other General Industrial Equipmen-D-50-Exhaust	0.0360860	0.0028057	0.17%	0.30%
86088612105580	Other General Industrial Equipmen-D-120-Exhaust	0.0305658	0.0023307	0.14%	0.25%
86088612105600	Other General Industrial Equipmen-D-175-Exhaust	0.0093600	0.0004883	0.04%	0.05%
86088612105610	Other General Industrial Equipmen-D-250-Exhaust	0.0085745	0.0003004	0.04%	0.03%
86088612105620	Other General Industrial Equipmen-D-500-Exhaust	0.0226136	0.0008107	0.11%	0.09%
86088612105630	Other General Industrial Equipmen-D-750-Exhaust	0.0067107	0.0002405	0.03%	0.03%
86088612105640	Other General Industrial Equipmen-D-1000-Exhaust	0.0015720	0.0000381	0.01%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612105644	Other General Industrial Equipmen-D-9999-Exhaust	0.0011205	0.0000320	0.01%	0.00%
86088612105810	Other Material Handling Equipment-D-50-Exhaust	0.0018268	0.0001594	0.01%	0.02%
86088612105830	Other Material Handling Equipment-D-120-Exhaust	0.0167744	0.0010854	0.08%	0.11%
86088612105840	Other Material Handling Equipment-D-175-Exhaust	0.0072708	0.0003638	0.03%	0.04%
86088612105850	Other Material Handling Equipment-D-250-Exhaust	0.0119225	0.0003846	0.06%	0.04%
86088612105860	Other Material Handling Equipment-D-500-Exhaust	0.0250764	0.0009504	0.12%	0.10%
86088612105890	OTHER MATERIAL HANDLING EQUIPMENT-D-9999-EXHAUST	0.0041284	0.0001333	0.02%	0.01%
86088712102000	Cranes-D-50-Exhaust	0.0017310	0.0001788	0.01%	0.02%
86088712102020	Cranes-D-120-Exhaust	0.0532376	0.0038294	0.25%	0.40%
86088712102040	Cranes-D-175-Exhaust	0.1188608	0.0063486	0.56%	0.67%
86088712102050	Cranes-D-250-Exhaust	0.1722085	0.0072998	0.81%	0.77%
86088712102060	Cranes-D-500-Exhaust	0.2233886	0.0089969	1.05%	0.95%
86088712102070	Cranes-D-750-Exhaust	0.0470663	0.0016993	0.22%	0.18%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712102080	Cranes-D-9999-Exhaust	0.0300910	0.0014339	0.14%	0.15%
86088712102100	Crawler Tractors-D-50-Exhaust	0.0052115	0.0005700	0.02%	0.06%
86088712102110	Crawler Tractors-D-120-Exhaust	0.2727576	0.0228093	1.28%	2.40%
86088712102120	Crawler Tractors-D-175-Exhaust	0.2524769	0.0140549	1.19%	1.48%
86088712102130	Crawler Tractors-D-250-Exhaust	0.2345811	0.0088461	1.10%	0.93%
86088712102140	Crawler Tractors-D-500-Exhaust	0.4951945	0.0192383	2.33%	2.03%
86088712102150	Crawler Tractors-D-750-Exhaust	0.1645877	0.0060575	0.77%	0.64%
86088712102160	Crawler Tractors-D-1000-Exhaust	0.0467978	0.0013667	0.22%	0.14%
86088712102164	Crawler Tractors-D-9999-Exhaust	0.0210788	0.0005513	0.10%	0.06%
86088712102460	Dumpers/Tenders-D-25-Exhaust	0.0003789	0.0000145	0.00%	0.00%
86088712102570	Excavators-D-25-Exhaust	0.0027096	0.0001012	0.01%	0.01%
86088712102580	Excavators-D-50-Exhaust	0.1468404	0.0087548	0.69%	0.92%
86088712102590	Excavators-D-120-Exhaust	0.1721563	0.0107677	0.81%	1.13%
86088712102600	Excavators-D-175-Exhaust	0.2696562	0.0130044	1.27%	1.37%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712102610	Excavators-D-250-Exhaust	0.3034205	0.0091985	1.43%	0.97%
86088712102620	Excavators-D-500-Exhaust	0.4013105	0.0130311	1.89%	1.37%
86088712102630	Excavators-D-750-Exhaust	0.0407774	0.0013778	0.19%	0.15%
86088712102634	Excavators-D-9999-Exhaust	0.0218601	0.0004076	0.10%	0.04%
86088712103700	Graders-D-50-Exhaust	0.0014652	0.0001816	0.01%	0.02%
86088712103710	Graders-D-120-Exhaust	0.0568022	0.0046314	0.27%	0.49%
86088712103720	Graders-D-175-Exhaust	0.3797568	0.0212507	1.78%	2.24%
86088712103730	Graders-D-250-Exhaust	0.5392046	0.0173053	2.53%	1.82%
86088712103740	Graders-D-500-Exhaust	0.1026641	0.0039692	0.48%	0.42%
86088712103754	Graders-D-9999-Exhaust	0.0319686	0.0009990	0.15%	0.11%
86088712104700	Off-Highway Tractors-D-120-Exhaust	0.1590430	0.0120416	0.75%	1.27%
86088712104710	Off-Highway Tractors-D-175-Exhaust	0.0561326	0.0027751	0.26%	0.29%
86088712104720	Off-Highway Tractors-D-250-Exhaust	0.0429858	0.0014396	0.20%	0.15%
86088712104730	Off-Highway Tractors-D-750-Exhaust	0.0982566	0.0034524	0.46%	0.36%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712104740	Off-Highway Tractors-D-1000-Exhaust	0.0007029	0.0000182	0.00%	0.00%
86088712104744	Off-Highway Tractors-D-9999-Exhaust	0.0090194	0.0002356	0.04%	0.02%
86088712104750	Off-Highway Trucks-D-175-Exhaust	0.1191309	0.0066431	0.56%	0.70%
86088712104760	Off-Highway Trucks-D-250-Exhaust	0.2254288	0.0089852	1.06%	0.95%
86088712104770	Off-Highway Trucks-D-500-Exhaust	0.8440589	0.0306937	3.97%	3.23%
86088712104780	Off-Highway Trucks-D-750-Exhaust	0.3762257	0.0145730	1.77%	1.53%
86088712104790	Off-Highway Trucks-D-1000-Exhaust	0.3768340	0.0098186	1.77%	1.03%
86088712104794	Off-Highway Trucks-D-9999-Exhaust	0.4634326	0.0118944	2.18%	1.25%
86088712105340	Other Construction Equipment-D-15-Exhaust	0.0064875	0.0002533	0.03%	0.03%
86088712105350	Other Construction Equipment-D-25-Exhaust	0.0013988	0.0000522	0.01%	0.01%
86088712105360	Other Construction Equipment-D-50-Exhaust	0.0404997	0.0034041	0.19%	0.36%
86088712105370	Other Construction Equipment-D-120-Exhaust	0.1379726	0.0103552	0.65%	1.09%
86088712105390	Other Construction Equipment-D-175-Exhaust	0.0661639	0.0034843	0.31%	0.37%
86088712105410	Other Construction Equipment-D-500-Exhaust	0.2570735	0.0093187	1.21%	0.98%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712105430	Other Construction Equipment-D-9999-Exhaust	0.0882334	0.0027441	0.41%	0.29%
86088712106100	Pavers-D-25-Exhaust	0.0007126	0.0000275	0.00%	0.00%
86088712106110	Pavers-D-50-Exhaust	0.0047020	0.0004171	0.02%	0.04%
86088712106120	Pavers-D-120-Exhaust	0.0484987	0.0035872	0.23%	0.38%
86088712106130	Pavers-D-175-Exhaust	0.0455183	0.0022291	0.21%	0.23%
86088712106140	Pavers-D-250-Exhaust	0.0293654	0.0007946	0.14%	0.08%
86088712106150	Pavers-D-500-Exhaust	0.0081895	0.0002924	0.04%	0.03%
86088712106152	Pavers-D-750-Exhaust	0.0004951	0.0000216	0.00%	0.00%
86088712106190	Paving Equipment-D-25-Exhaust	0.0012116	0.0000450	0.01%	0.00%
86088712106210	Paving Equipment-D-50-Exhaust	0.0051066	0.0003250	0.02%	0.03%
86088712106230	Paving Equipment-D-120-Exhaust	0.0243225	0.0016900	0.11%	0.18%
86088712106240	Paving Equipment-D-175-Exhaust	0.0153568	0.0007619	0.07%	0.08%
86088712106250	Paving Equipment-D-250-Exhaust	0.0290500	0.0009492	0.14%	0.10%
86088712106251	Paving Equipment-D-1000-Exhaust	0.0008981	0.0000143	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712107640	Rollers-D-15-Exhaust	0.0092522	0.0003613	0.04%	0.04%
86088712107660	Rollers-D-25-Exhaust	0.0085363	0.0003183	0.04%	0.03%
86088712107680	Rollers-D-50-Exhaust	0.0913576	0.0068694	0.43%	0.72%
86088712107700	Rollers-D-120-Exhaust	0.1425365	0.0093708	0.67%	0.99%
86088712107710	Rollers-D-175-Exhaust	0.0955824	0.0043883	0.45%	0.46%
86088712107720	Rollers-D-250-Exhaust	0.0160746	0.0005117	0.08%	0.05%
86088712107730	Rollers-D-500-Exhaust	0.0101326	0.0003864	0.05%	0.04%
86088712107732	Rollers-D-750-Exhaust	0.0001204	0.0000016	0.00%	0.00%
86088712107750	Rough Terrain Forklifts-D-50-Exhaust	0.0045690	0.0003285	0.02%	0.03%
86088712107770	Rough Terrain Forklifts-D-120-Exhaust	0.2351564	0.0104771	1.11%	1.10%
86088712107790	Rough Terrain Forklifts-D-175-Exhaust	0.0340060	0.0012451	0.16%	0.13%
86088712107800	Rough Terrain Forklifts-D-250-Exhaust	0.0022210	0.0000493	0.01%	0.01%
86088712107810	Rough Terrain Forklifts-D-500-Exhaust	0.0011394	0.0000249	0.01%	0.00%
86088712107812	Rough Terrain Forklifts-D-750-Exhaust	0.0001196	0.0000009	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712107820	Rubber Tired Dozers-D-175-Exhaust	0.06711110	0.0049371	0.32%	0.52%
86088712107830	Rubber Tired Dozers-D-250-Exhaust	0.0275770	0.0013447	0.13%	0.14%
86088712107840	Rubber Tired Dozers-D-500-Exhaust	0.2774942	0.0127745	1.30%	1.34%
86088712107850	Rubber Tired Dozers-D-750-Exhaust	0.0329533	0.0011739	0.15%	0.12%
86088712107864	Rubber Tired Loaders-D-9999-Exhaust	0.1156245	0.0029625	0.54%	0.31%
86088712107870	Rubber Tired Loaders-D-25-Exhaust	0.0004417	0.0000165	0.00%	0.00%
86088712107890	Rubber Tired Loaders-D-50-Exhaust	0.0148821	0.0014181	0.07%	0.15%
86088712107910	Rubber Tired Loaders-D-120-Exhaust	0.3755818	0.0301587	1.76%	3.18%
86088712107920	Rubber Tired Loaders-D-175-Exhaust	0.6799338	0.0375818	3.20%	3.96%
86088712107930	Rubber Tired Loaders-D-250-Exhaust	0.9118517	0.0305730	4.28%	3.22%
86088712107940	Rubber Tired Loaders-D-500-Exhaust	1.0477788	0.0391120	4.92%	4.12%
86088712107950	Rubber Tired Loaders-D-750-Exhaust	0.1740514	0.0068289	0.82%	0.72%
86088712108020	Scrapers-D-120-Exhaust	0.0216715	0.0016906	0.10%	0.18%
86088712108030	Scrapers-D-175-Exhaust	0.1743695	0.0093855	0.82%	0.99%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712108040	Scrapers-D-250-Exhaust	0.2267420	0.0099806	1.07%	1.05%
86088712108050	Scrapers-D-500-Exhaust	1.4039929	0.0550122	6.60%	5.79%
86088712108060	Scrapers-D-750-Exhaust	0.5304530	0.0190442	2.49%	2.00%
86088712108064	Scrapers-D-9999-Exhaust	0.0984978	0.0040964	0.46%	0.43%
86088712108250	Skid Steer Loaders-D-25-Exhaust	0.1427292	0.0056945	0.67%	0.60%
86088712108270	Skid Steer Loaders-D-50-Exhaust	0.0556232	0.0022781	0.26%	0.24%
86088712108290	Skid Steer Loaders-D-120-Exhaust	0.2336426	0.0107047	1.10%	1.13%
86088712108292	Skid Steer Loaders-D-1000-Exhaust	0.0031890	0.0001183	0.01%	0.01%
86088712108600	Surfacing Equipment-D-50-Exhaust	0.0005979	0.0000338	0.00%	0.00%
86088712108610	Surfacing Equipment-D-120-Exhaust	0.0045876	0.0002708	0.02%	0.03%
86088712108620	Surfacing Equipment-D-175-Exhaust	0.0026376	0.0001267	0.01%	0.01%
86088712108630	Surfacing Equipment-D-250-Exhaust	0.0044387	0.0001315	0.02%	0.01%
86088712108640	Surfacing Equipment-D-500-Exhaust	0.0079612	0.0002854	0.04%	0.03%
86088712108650	Surfacing Equipment-D-750-Exhaust	0.0084124	0.0002946	0.04%	0.03%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712108654	Surfacing Equipment-D-9999-Exhaust	0.0045143	0.0001112	0.02%	0.01%
86088712109310	Tractors/Loaders/Backhoes-D-25-Exhaust	0.0128870	0.0004901	0.06%	0.05%
86088712109320	Tractors/Loaders/Backhoes-D-50-Exhaust	0.1383818	0.0099089	0.65%	1.04%
86088712109340	Tractors/Loaders/Backhoes-D-120-Exhaust	1.9317115	0.1289593	9.08%	13.58%
86088712109350	Tractors/Loaders/Backhoes-D-175-Exhaust	0.2561770	0.0128906	1.20%	1.36%
86088712109360	Tractors/Loaders/Backhoes-D-250-Exhaust	0.1673598	0.0054235	0.79%	0.57%
86088712109361	Tractors/Loaders/Backhoes-D-9999-Exhaust	0.2936862	0.0091161	1.38%	0.96%
86088712109420	Trenchers-D-500-Exhaust	0.0177883	0.0006715	0.08%	0.07%
86088712109430	Trenchers-D-15-Exhaust	0.0036678	0.0001432	0.02%	0.02%
86088712109450	Trenchers-D-25-Exhaust	0.0125566	0.0004703	0.06%	0.05%
86088712109470	Trenchers-D-50-Exhaust	0.0497169	0.0039146	0.23%	0.41%
86088712109490	Trenchers-D-120-Exhaust	0.0475723	0.0035967	0.22%	0.38%
86088712109500	Trenchers-D-175-Exhaust	0.0085934	0.0004412	0.04%	0.05%
86088712109510	Trenchers-D-250-Exhaust	0.0169440	0.0006823	0.08%	0.07%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712109530	Trenchers-D-750-Exhaust	0.0018007	0.0000388	0.01%	0.00%
86088712109534	Trenchers-D-1000-Exhaust	0.0020081	0.0000924	0.01%	0.01%
86088912100070	A/C Tug Narrow Body-D-250-Exhaust	0.0001839	0.0000106	0.00%	0.00%
86088912100072	A/C Tug Narrow Body-D-750-Exhaust	0.0000180	0.0000006	0.00%	0.00%
86088912100090	A/C Tug Wide Body-D-500-Exhaust	0.0001734	0.0000063	0.00%	0.00%
86088912100092	A/C Tug Wide Body-D-750-Exhaust	0.0000107	0.0000003	0.00%	0.00%
86088912100720	Baggage Tug-D-120-Exhaust	0.0002020	0.0000160	0.00%	0.00%
86088912100722	Baggage Tug-D-250-Exhaust	0.0000065	0.0000002	0.00%	0.00%
86088912100790	Belt Loader-D-120-Exhaust	0.0000837	0.0000073	0.00%	0.00%
86088912100792	Belt Loader-D-750-Exhaust	0.0000061	0.0000003	0.00%	0.00%
86088912100990	Cargo Loader-D-120-Exhaust	0.0000700	0.0000033	0.00%	0.00%
86088912100992	Cargo Loader-D-750-Exhaust	0.0000376	0.0000014	0.00%	0.00%
86088912101010	Cargo Tractor-D-120-Exhaust	0.0001507	0.0000144	0.00%	0.00%
86088912101012	Cargo Tractor-D-500-Exhaust	0.0000777	0.0000031	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088912101090	Catering Truck-D-250-Exhaust	0.0000049	0.0000001	0.00%	0.00%
86088912102720	Forklift-D-175-Exhaust	0.0000674	0.0000048	0.00%	0.00%
86088912102722	Forklifts-D-500-Exhaust	0.0000230	0.0000007	0.00%	0.00%
86088912103020	Fuel Truck-D-250-Exhaust	0.0000137	0.0000004	0.00%	0.00%
86088912104030	Lav Truck-D-175-Exhaust	0.0000073	0.0000004	0.00%	0.00%
86088912104180	Lift-D-120-Exhaust	0.0000411	0.0000028	0.00%	0.00%
86088912104182	Lift-D-500-Exhaust	0.0000119	0.0000004	0.00%	0.00%
86088912105660	Other GSE-D-175-Exhaust	0.0002113	0.0000128	0.00%	0.00%
86088912105664	Other GSE-D-500-Exhaust	0.0001345	0.0000045	0.00%	0.00%
86089112102340	Drill Rig-D-120-Exhaust	0.0083831	0.0000633	0.04%	0.01%
86089112102350	Drill Rig-D-175-Exhaust	0.0031557	0.0000949	0.01%	0.01%
86089112102360	Drill Rig-D-250-Exhaust	0.0029148	0.0000949	0.01%	0.01%
86089112102370	Drill Rig-D-500-Exhaust	0.0145502	0.0006326	0.07%	0.07%
86089112102380	Drill Rig-D-750-Exhaust	0.0057574	0.0001582	0.03%	0.02%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86089112102390	Drill Rig-D-1000-Exhaust	0.5125785	0.0055672	2.41%	0.59%
86089112102391	DRILL RIG (MOBILE)-D-50-EXHAUST	0.0044651	0.0002975	0.02%	0.03%
86089112102392	DRILL RIG (MOBILE)-D-120-EXHAUST	0.0228216	0.0016859	0.11%	0.18%
86089112102393	DRILL RIG (MOBILE)-D-175-EXHAUST	0.0509019	0.0025784	0.24%	0.27%
86089112102394	DRILL RIG (MOBILE)-D-250-EXHAUST	0.0761056	0.0021817	0.36%	0.23%
86089112102395	DRILL RIG (MOBILE)-D-500-EXHAUST	0.1112306	0.0030743	0.52%	0.32%
86089112102396	DRILL RIG (MOBILE)-D-750-EXHAUST	0.0438571	0.0014875	0.21%	0.16%
86089112102397	DRILL RIG (MOBILE)-D-1000-EXHAUST	0.0276835	0.0003967	0.13%	0.04%
86089112102399	WORKOVER RIG (MOBILE)-D-120-EXHAUST	0.0000992	0.0000000	0.00%	0.00%
86089112102400	WORKOVER RIG (MOBILE)-D-175-EXHAUST	0.0015876	0.0000992	0.01%	0.01%
86089112102401	WORKOVER RIG (MOBILE)-D-250-EXHAUST	0.0184558	0.0003967	0.09%	0.04%
86089112102402	WORKOVER RIG (MOBILE)-D-500-EXHAUST	1.0298438	0.0336183	4.84%	3.54%
86089112102403	WORKOVER RIG (MOBILE)-D-750-EXHAUST	0.1154976	0.0043634	0.54%	0.46%
86089212101790	Crane-D-120-Exhaust	0.0001391	0.0000039	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86089212101800	Crane-D-175-Exhaust	0.0000215	0.0000007	0.00%	0.00%
86089212101810	Crane-D-250-Exhaust	0.0000146	0.0000004	0.00%	0.00%
86089212102290	Deicer-D-120-Exhaust	0.0000613	0.0000036	0.00%	0.00%
86089212104260	Lift (Military)-D-120-Exhaust	0.0000265	0.0000016	0.00%	0.00%
86090312101350	Commercial Turf Equipment-D-15-Exhaust	0.0062910	0.0002458	0.03%	0.03%
86090312101380	Commercial Turf Equipment-D-25-Exhaust	0.1854894	0.0069309	0.87%	0.73%
86090312104050	Lawn & Garden Tractors-D-15-Exhaust	0.0155314	0.0006108	0.07%	0.06%
86090312104070	Lawn & Garden Tractors-D-25-Exhaust	0.0420952	0.0015833	0.20%	0.17%
Subtotal		21.2810823	0.9498396	100.00%	100.00%

III. Calexico, El Centro, Heber Community

The main sources of air pollution emissions identified in the published Calexico, El Centro, Heber AB 617 CERP were agricultural activities, animal feeding operations, off-road equipment, on-road vehicles, unpaved roads, industrial energy production, and off-highway vehicles. Based on the 2017 base year emission inventory developed for the Calexico, El Centro, Heber CERP, it is estimated that vehicles subject to the Proposed Amendments contributed to 6 percent of NOx emissions and 21 percent of DPM emissions. Table 3 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 3. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the Calexico, El Centro, Heber Community (2017)¹⁷

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088612100160	Aerial Lifts-D-15-Exhaust	0.0022849	0.0000901	0.00%	0.00%
86088612100190	Aerial Lifts-D-25-Exhaust	0.0073843	0.0003280	0.01%	0.01%
86088612100210	Aerial Lifts-D-50-Exhaust	0.0659046	0.0014994	0.13%	0.06%
86088612100230	Aerial Lifts-D-120-Exhaust	0.0871305	0.0030754	0.17%	0.12%
86088612100240	Aerial Lifts-D-500-Exhaust	0.0058736	0.0002479	0.01%	0.01%
86088612102724	Forklifts-D-1000-Exhaust	0.0036834	0.0002057	0.01%	0.01%
86088612102890	Forklifts-D-50-Exhaust	0.0696251	0.0068412	0.13%	0.27%

¹⁷ From the community inventory used to develop the CERP.

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088612102920	Forklifts-D-120-Exhaust	0.9976636	0.0823098	1.92%	3.24%
86088612102950	Forklifts-D-175-Exhaust	0.2901629	0.0158943	0.56%	0.63%
86088612102960	Forklifts-D-250-Exhaust	0.0684759	0.0030090	0.13%	0.12%
86088612102970	Forklifts-D-500-Exhaust	0.0096649	0.0003983	0.02%	0.02%
86088612105520	Other General Industrial Equipmen-D-15-Exhaust	0.0021012	0.0000812	0.00%	0.00%
86088612105540	Other General Industrial Equipmen-D-25-Exhaust	0.0090982	0.0003434	0.02%	0.01%
86088612105560	Other General Industrial Equipmen-D-50-Exhaust	0.1447802	0.0131492	0.28%	0.52%
86088612105580	Other General Industrial Equipmen-D-120-Exhaust	0.1417305	0.0116581	0.27%	0.46%
86088612105600	Other General Industrial Equipmen-D-175-Exhaust	0.0521123	0.0028757	0.10%	0.11%
86088612105610	Other General Industrial Equipmen-D-250-Exhaust	0.0681878	0.0026420	0.13%	0.10%
86088612105620	Other General Industrial Equipmen-D-500-Exhaust	0.1330173	0.0049282	0.26%	0.19%
86088612105630	Other General Industrial Equipmen-D-750-Exhaust	0.0076954	0.0003734	0.01%	0.01%
86088612105644	Other General Industrial Equipmen-D-9999-Exhaust	0.0097085	0.0002466	0.02%	0.01%
86088612105810	Other Material Handling Equipment-D-50-Exhaust	0.0069198	0.0006666	0.01%	0.03%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088612105830	Other Material Handling Equipment-D-120-Exhaust	0.0623093	0.0040978	0.12%	0.16%
86088612105840	Other Material Handling Equipment-D-175-Exhaust	0.0593721	0.0040852	0.11%	0.16%
86088612105850	Other Material Handling Equipment-D-250-Exhaust	0.0717372	0.0025959	0.14%	0.10%
86088612105860	Other Material Handling Equipment-D-500-Exhaust	0.0998125	0.0037862	0.19%	0.15%
86088612105890	OTHER MATERIAL HANDLING EQUIPMENT-D-9999-EXHAUST	0.0069465	0.0001724	0.01%	0.01%
86088712102000	Cranes-D-50-Exhaust	0.0036469	0.0003679	0.01%	0.01%
86088712102020	Cranes-D-120-Exhaust	0.1185711	0.0088973	0.23%	0.35%
86088712102040	Cranes-D-175-Exhaust	0.3244728	0.0178892	0.62%	0.70%
86088712102050	Cranes-D-250-Exhaust	0.5049241	0.0223819	0.97%	0.88%
86088712102060	Cranes-D-500-Exhaust	0.6084358	0.0238725	1.17%	0.94%
86088712102070	Cranes-D-750-Exhaust	0.0182558	0.0009133	0.04%	0.04%
86088712102080	Cranes-D-9999-Exhaust	0.0779458	0.0038396	0.15%	0.15%
86088712102100	Crawler Tractors-D-50-Exhaust	0.0107842	0.0012459	0.02%	0.05%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712102110	Crawler Tractors-D-120-Exhaust	0.6199042	0.0524308	1.19%	2.06%
86088712102120	Crawler Tractors-D-175-Exhaust	0.6295094	0.0349771	1.21%	1.38%
86088712102130	Crawler Tractors-D-250-Exhaust	0.5797453	0.0224445	1.12%	0.88%
86088712102140	Crawler Tractors-D-500-Exhaust	1.6538503	0.0631340	3.18%	2.48%
86088712102150	Crawler Tractors-D-750-Exhaust	0.0510114	0.0016266	0.10%	0.06%
86088712102164	Crawler Tractors-D-9999-Exhaust	0.1445669	0.0041594	0.28%	0.16%
86088712102570	Excavators-D-25-Exhaust	0.0020890	0.0000780	0.00%	0.00%
86088712102580	Excavators-D-50-Exhaust	0.3338781	0.0236844	0.64%	0.93%
86088712102590	Excavators-D-120-Exhaust	0.4471402	0.0316556	0.86%	1.25%
86088712102600	Excavators-D-175-Exhaust	0.8134407	0.0402531	1.57%	1.58%
86088712102610	Excavators-D-250-Exhaust	0.9291221	0.0296352	1.79%	1.17%
86088712102620	Excavators-D-500-Exhaust	1.2253431	0.0395664	2.36%	1.56%
86088712102630	Excavators-D-750-Exhaust	0.0296325	0.0008888	0.06%	0.03%
86088712102634	Excavators-D-9999-Exhaust	0.0556416	0.0014152	0.11%	0.06%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712103700	Graders-D-50-Exhaust	0.0032306	0.0004242	0.01%	0.02%
86088712103710	Graders-D-120-Exhaust	0.1207574	0.0101197	0.23%	0.40%
86088712103720	Graders-D-175-Exhaust	0.9973048	0.0561252	1.92%	2.21%
86088712103730	Graders-D-250-Exhaust	1.4134418	0.0475507	2.72%	1.87%
86088712103740	Graders-D-500-Exhaust	0.0675570	0.0022640	0.13%	0.09%
86088712103754	Graders-D-9999-Exhaust	0.0647030	0.0020057	0.12%	0.08%
86088712104700	Off-Highway Tractors-D-120-Exhaust	0.3745553	0.0312717	0.72%	1.23%
86088712104710	Off-Highway Tractors-D-175-Exhaust	0.1446447	0.0073816	0.28%	0.29%
86088712104720	Off-Highway Tractors-D-250-Exhaust	0.1627054	0.0054901	0.31%	0.22%
86088712104730	Off-Highway Tractors-D-750-Exhaust	0.2682261	0.0093409	0.52%	0.37%
86088712104744	Off-Highway Tractors-D-9999-Exhaust	0.0196510	0.0005041	0.04%	0.02%
86088712104750	Off-Highway Trucks-D-175-Exhaust	0.3525211	0.0205299	0.68%	0.81%
86088712104760	Off-Highway Trucks-D-250-Exhaust	0.6731840	0.0290870	1.30%	1.14%
86088712104770	Off-Highway Trucks-D-500-Exhaust	2.4214852	0.0906958	4.66%	3.57%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712104780	Off-Highway Trucks-D-750-Exhaust	0.9305781	0.0365529	1.79%	1.44%
86088712104794	Off-Highway Trucks-D-9999-Exhaust	2.1010510	0.0609605	4.04%	2.40%
86088712105340	Other Construction Equipment-D-15-Exhaust	0.0065771	0.0002568	0.01%	0.01%
86088712105350	Other Construction Equipment-D-25-Exhaust	0.0066869	0.0002593	0.01%	0.01%
86088712105360	Other Construction Equipment-D-50-Exhaust	0.0860985	0.0075824	0.17%	0.30%
86088712105370	Other Construction Equipment-D-120-Exhaust	0.3380361	0.0264523	0.65%	1.04%
86088712105390	Other Construction Equipment-D-175-Exhaust	0.1678195	0.0088764	0.32%	0.35%
86088712105410	Other Construction Equipment-D-500-Exhaust	0.7693133	0.0277912	1.48%	1.09%
86088712105430	Other Construction Equipment-D-9999-Exhaust	0.1389942	0.0042359	0.27%	0.17%
86088712106100	Pavers-D-25-Exhaust	0.0005722	0.0000230	0.00%	0.00%
86088712106110	Pavers-D-50-Exhaust	0.0106109	0.0010532	0.02%	0.04%
86088712106120	Pavers-D-120-Exhaust	0.1165030	0.0089777	0.22%	0.35%
86088712106130	Pavers-D-175-Exhaust	0.1287422	0.0064234	0.25%	0.25%
86088712106140	Pavers-D-250-Exhaust	0.0832691	0.0022750	0.16%	0.09%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712106150	Pavers-D-500-Exhaust	0.0084075	0.0002903	0.02%	0.01%
86088712106152	Pavers-D-750-Exhaust	0.0020763	0.0000917	0.00%	0.00%
86088712106190	Paving Equipment-D-25-Exhaust	0.0008114	0.0000308	0.00%	0.00%
86088712106210	Paving Equipment-D-50-Exhaust	0.0116255	0.0008833	0.02%	0.03%
86088712106230	Paving Equipment-D-120-Exhaust	0.0613202	0.0046434	0.12%	0.18%
86088712106240	Paving Equipment-D-175-Exhaust	0.0479850	0.0024179	0.09%	0.10%
86088712106250	Paving Equipment-D-250-Exhaust	0.0343772	0.0011867	0.07%	0.05%
86088712106251	Paving Equipment-D-1000-Exhaust	0.0425092	0.0013401	0.08%	0.05%
86088712107640	Rollers-D-15-Exhaust	0.0075725	0.0002960	0.01%	0.01%
86088712107660	Rollers-D-25-Exhaust	0.0120233	0.0004607	0.02%	0.02%
86088712107680	Rollers-D-50-Exhaust	0.2045097	0.0174730	0.39%	0.69%
86088712107700	Rollers-D-120-Exhaust	0.3767024	0.0272981	0.72%	1.07%
86088712107710	Rollers-D-175-Exhaust	0.2799161	0.0130337	0.54%	0.51%
86088712107720	Rollers-D-250-Exhaust	0.0522065	0.0018692	0.10%	0.07%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712107730	Rollers-D-500-Exhaust	0.0330715	0.0012923	0.06%	0.05%
86088712107732	Rollers-D-750-Exhaust	0.0199504	0.0006734	0.04%	0.03%
86088712107750	Rough Terrain Forklifts-D-50-Exhaust	0.0100299	0.0007817	0.02%	0.03%
86088712107770	Rough Terrain Forklifts-D-120-Exhaust	0.5316465	0.0263837	1.02%	1.04%
86088712107790	Rough Terrain Forklifts-D-175-Exhaust	0.1916652	0.0106299	0.37%	0.42%
86088712107800	Rough Terrain Forklifts-D-250-Exhaust	0.0068677	0.0001645	0.01%	0.01%
86088712107810	Rough Terrain Forklifts-D-500-Exhaust	0.0042030	0.0000929	0.01%	0.00%
86088712107812	Rough Terrain Forklifts-D-750-Exhaust	0.0002426	0.0000017	0.00%	0.00%
86088712107820	Rubber Tired Dozers-D-175-Exhaust	0.1608135	0.0121948	0.31%	0.48%
86088712107830	Rubber Tired Dozers-D-250-Exhaust	0.0743157	0.0036536	0.14%	0.14%
86088712107840	Rubber Tired Dozers-D-500-Exhaust	0.7207479	0.0327882	1.39%	1.29%
86088712107850	Rubber Tired Dozers-D-750-Exhaust	0.0219930	0.0008668	0.04%	0.03%
86088712107864	Rubber Tired Loaders-D-9999-Exhaust	0.2772518	0.0077970	0.53%	0.31%
86088712107870	Rubber Tired Loaders-D-25-Exhaust	0.0005580	0.0000208	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712107890	Rubber Tired Loaders-D-50-Exhaust	0.0332874	0.0035382	0.06%	0.14%
86088712107910	Rubber Tired Loaders-D-120-Exhaust	0.9543000	0.0810468	1.84%	3.19%
86088712107920	Rubber Tired Loaders-D-175-Exhaust	1.8682917	0.1041022	3.60%	4.10%
86088712107930	Rubber Tired Loaders-D-250-Exhaust	2.4718973	0.0853216	4.76%	3.36%
86088712107940	Rubber Tired Loaders-D-500-Exhaust	2.9008642	0.1092458	5.58%	4.30%
86088712107950	Rubber Tired Loaders-D-750-Exhaust	0.2328411	0.0089930	0.45%	0.35%
86088712108020	Scrapers-D-120-Exhaust	0.0463616	0.0036096	0.09%	0.14%
86088712108030	Scrapers-D-175-Exhaust	0.4509571	0.0242963	0.87%	0.96%
86088712108040	Scrapers-D-250-Exhaust	0.5871091	0.0263977	1.13%	1.04%
86088712108050	Scrapers-D-500-Exhaust	4.8132888	0.1884699	9.26%	7.41%
86088712108060	Scrapers-D-750-Exhaust	0.1976188	0.0083790	0.38%	0.33%
86088712108064	Scrapers-D-9999-Exhaust	0.1984248	0.0081741	0.38%	0.32%
86088712108250	Skid Steer Loaders-D-25-Exhaust	0.0563427	0.0026060	0.11%	0.10%
86088712108270	Skid Steer Loaders-D-50-Exhaust	0.1244850	0.0065823	0.24%	0.26%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712108290	Skid Steer Loaders-D-120-Exhaust	0.5644647	0.0300796	1.09%	1.18%
86088712108292	Skid Steer Loaders-D-1000-Exhaust	0.0357502	0.0020389	0.07%	0.08%
86088712108600	Surfacing Equipment-D-50-Exhaust	0.0013981	0.0001008	0.00%	0.00%
86088712108610	Surfacing Equipment-D-120-Exhaust	0.0104459	0.0006934	0.02%	0.03%
86088712108620	Surfacing Equipment-D-175-Exhaust	0.0085045	0.0004675	0.02%	0.02%
86088712108630	Surfacing Equipment-D-250-Exhaust	0.0132887	0.0004038	0.03%	0.02%
86088712108640	Surfacing Equipment-D-500-Exhaust	0.0328920	0.0010450	0.06%	0.04%
86088712108650	Surfacing Equipment-D-750-Exhaust	0.0141136	0.0004848	0.03%	0.02%
86088712108654	Surfacing Equipment-D-9999-Exhaust	0.0091629	0.0002237	0.02%	0.01%
86088712109310	Tractors/Loaders/Backhoes-D-25-Exhaust	0.0103992	0.0004035	0.02%	0.02%
86088712109320	Tractors/Loaders/Backhoes-D-50-Exhaust	0.3130464	0.0265349	0.60%	1.04%
86088712109340	Tractors/Loaders/Backhoes-D-120-Exhaust	5.1335649	0.3860734	9.88%	15.19%
86088712109350	Tractors/Loaders/Backhoes-D-175-Exhaust	0.7283185	0.0370431	1.40%	1.46%
86088712109360	Tractors/Loaders/Backhoes-D-250-Exhaust	0.4776548	0.0159539	0.92%	0.63%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712109361	Tractors/Loaders/Backhoes-D-9999-Exhaust	0.7885333	0.0257200	1.52%	1.01%
86088712109420	Trenchers-D-500-Exhaust	0.0411933	0.0015608	0.08%	0.06%
86088712109430	Trenchers-D-15-Exhaust	0.0011177	0.0000439	0.00%	0.00%
86088712109450	Trenchers-D-25-Exhaust	0.0048766	0.0001835	0.01%	0.01%
86088712109470	Trenchers-D-50-Exhaust	0.1095462	0.0095174	0.21%	0.37%
86088712109490	Trenchers-D-120-Exhaust	0.1134384	0.0088894	0.22%	0.35%
86088712109500	Trenchers-D-175-Exhaust	0.0213678	0.0010909	0.04%	0.04%
86088712109510	Trenchers-D-250-Exhaust	0.0442852	0.0017713	0.09%	0.07%
86088712109530	Trenchers-D-750-Exhaust	0.0043338	0.0001145	0.01%	0.00%
86088712109534	Trenchers-D-1000-Exhaust	0.0040789	0.0001865	0.01%	0.01%
86088912100070	A/C Tug Narrow Body-D-250-Exhaust	0.0012449	0.0000723	0.00%	0.00%
86088912100072	A/C Tug Narrow Body-D-750-Exhaust	0.0000389	0.0000017	0.00%	0.00%
86088912100090	A/C Tug Wide Body-D-500-Exhaust	0.0010534	0.0000388	0.00%	0.00%
86088912100092	A/C Tug Wide Body-D-750-Exhaust	0.0000411	0.0000010	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088912100720	Baggage Tug-D-120-Exhaust	0.0015211	0.0001214	0.00%	0.00%
86088912100722	Baggage Tug-D-250-Exhaust	0.0000332	0.0000011	0.00%	0.00%
86088912100790	Belt Loader-D-120-Exhaust	0.0004495	0.0000408	0.00%	0.00%
86088912100792	Belt Loader-D-750-Exhaust	0.0000495	0.0000026	0.00%	0.00%
86088912100990	Cargo Loader-D-120-Exhaust	0.0003142	0.0000176	0.00%	0.00%
86088912100992	Cargo Loader-D-750-Exhaust	0.0005594	0.0000281	0.00%	0.00%
86088912101010	Cargo Tractor-D-120-Exhaust	0.0009221	0.0000912	0.00%	0.00%
86088912101012	Cargo Tractor-D-500-Exhaust	0.0005831	0.0000275	0.00%	0.00%
86088912101090	Catering Truck-D-250-Exhaust	0.0000280	0.0000007	0.00%	0.00%
86088912102720	Forklift-D-175-Exhaust	0.0003911	0.0000289	0.00%	0.00%
86088912102722	Forklifts-D-500-Exhaust	0.0001345	0.0000047	0.00%	0.00%
86088912104180	Lift-D-120-Exhaust	0.0002529	0.0000191	0.00%	0.00%
86088912104182	Lift-D-500-Exhaust	0.0000878	0.0000038	0.00%	0.00%
86088912105660	Other GSE-D-175-Exhaust	0.0015290	0.0000993	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NO_x	TPY DPM	NO_x Subtotal	DPM Subtotal
86088912105664	Other GSE-D-500-Exhaust	0.0008557	0.0000280	0.00%	0.00%
86090312101350	Commercial Turf Equipment-D-15-Exhaust	0.0227922	0.0008904	0.04%	0.04%
86090312101380	Commercial Turf Equipment-D-25-Exhaust	0.6720126	0.0251033	1.29%	0.99%
86090312104050	Lawn & Garden Tractors-D-15-Exhaust	0.4440295	0.0180148	0.85%	0.71%
86090312104070	Lawn & Garden Tractors-D-25-Exhaust	0.5588816	0.0216741	1.08%	0.85%
Subtotal		51.9591635	2.5418231	100.00%	100.00%

IV. East Los Angeles, Boyle Heights, West Commerce Community

The main sources of air pollution emissions identified in the published East Los Angeles, Boyle Heights, West Commerce (ELABHWC) AB 617 CERP were on-road traffic, trains, off-road equipment, and certain industrial activities. DPM was the main air toxic pollutant, coming mostly from on-road and off-road mobile sources. Based on the 2017 base year emission inventory developed for the ELABHWC CERP, NOx emissions were dominated by on-road and off-road mobile sources, which accounted for 80 percent of the total emissions. Heavy-duty truck traffic, trains, and off-road equipment were the largest sources for NOx. It is estimated that vehicles subject to the Proposed Amendments contributed to 3 percent of NOx emissions and 13 percent of DPM emissions. Table 4 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 4. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the East Los Angeles, Boyle Heights, West Commerce Community (2017)¹⁸

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088612100160	Aerial Lifts-D-15-Exhaust	0.1060000	8	0.12%	0.09%
86088612100190	Aerial Lifts-D-25-Exhaust	0.2390000	22	0.27%	0.24%
86088612100210	Aerial Lifts-D-50-Exhaust	0.7670000	36	0.88%	0.39%
86088612100230	Aerial Lifts-D-120-Exhaust	1.0150000	72	1.16%	0.78%
86088612100240	Aerial Lifts-D-500-Exhaust	0.0690000	6	0.08%	0.06%
86088612102724	Forklifts-D-1000-Exhaust	0.0430000	4	0.05%	0.04%
86088612102890	Forklifts-D-50-Exhaust	0.8110000	160	0.93%	1.73%

¹⁸ From the community inventory used to develop the CERP.

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088612102920	Forklifts-D-120-Exhaust	11.6200000	1918	13.29%	20.69%
86088612102950	Forklifts-D-175-Exhaust	3.3780000	370	3.86%	3.99%
86088612102960	Forklifts-D-250-Exhaust	0.7630000	66	0.87%	0.71%
86088612102970	Forklifts-D-500-Exhaust	0.1470000	12	0.17%	0.13%
86088612105520	Other General Industrial Equipmen-D-15-Exhaust	0.0970000	8	0.11%	0.09%
86088612105540	Other General Industrial Equipmen-D-25-Exhaust	0.3260000	24	0.37%	0.26%
86088612105560	Other General Industrial Equipmen-D-50-Exhaust	1.6860000	306	1.93%	3.30%
86088612105580	Other General Industrial Equipmen-D-120-Exhaust	1.6550000	272	1.89%	2.93%
86088612105600	Other General Industrial Equipmen-D-175-Exhaust	0.6020000	66	0.69%	0.71%
86088612105610	Other General Industrial Equipmen-D-250-Exhaust	0.6070000	48	0.69%	0.52%
86088612105620	Other General Industrial Equipmen-D-500-Exhaust	1.4760000	114	1.69%	1.23%
86088612105630	Other General Industrial Equipmen-D-750-Exhaust	0.3500000	24	0.40%	0.26%
86088612105640	Other General Industrial Equipmen-D-1000-Exhaust	0.0670000	6	0.08%	0.06%
86088612105644	Other General Industrial Equipmen-D-9999-Exhaust	0.0470000	4	0.05%	0.04%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088612105810	Other Material Handling Equipment-D-50-Exhaust	0.0840000	18	0.10%	0.19%
86088612105830	Other Material Handling Equipment-D-120-Exhaust	0.9130000	136	1.04%	1.47%
86088612105840	Other Material Handling Equipment-D-175-Exhaust	0.5010000	54	0.57%	0.58%
86088612105850	Other Material Handling Equipment-D-250-Exhaust	0.6250000	44	0.71%	0.47%
86088612105860	Other Material Handling Equipment-D-500-Exhaust	1.2570000	98	1.44%	1.06%
86088612105890	OTHER MATERIAL HANDLING EQUIPMENT-D-9999-EXHAUST	0.1960000	12	0.22%	0.13%
86088712102000	Cranes-D-50-Exhaust	0.0040000	0	0.00%	0.00%
86088712102020	Cranes-D-120-Exhaust	0.1350000	20	0.15%	0.22%
86088712102040	Cranes-D-175-Exhaust	0.2840000	30	0.32%	0.32%
86088712102050	Cranes-D-250-Exhaust	0.4360000	38	0.50%	0.41%
86088712102060	Cranes-D-500-Exhaust	0.5250000	42	0.60%	0.45%
86088712102070	Cranes-D-750-Exhaust	0.1110000	8	0.13%	0.09%
86088712102080	Cranes-D-9999-Exhaust	0.0740000	8	0.08%	0.09%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712102100	Crawler Tractors-D-50-Exhaust	0.0110000	4	0.01%	0.04%
86088712102110	Crawler Tractors-D-120-Exhaust	0.5880000	98	0.67%	1.06%
86088712102120	Crawler Tractors-D-175-Exhaust	0.5940000	66	0.68%	0.71%
86088712102130	Crawler Tractors-D-250-Exhaust	0.5250000	40	0.60%	0.43%
86088712102140	Crawler Tractors-D-500-Exhaust	1.2230000	94	1.40%	1.01%
86088712102150	Crawler Tractors-D-750-Exhaust	0.4150000	30	0.47%	0.32%
86088712102160	Crawler Tractors-D-1000-Exhaust	0.0940000	6	0.11%	0.06%
86088712102164	Crawler Tractors-D-9999-Exhaust	0.0420000	2	0.05%	0.02%
86088712102460	Dumpers/Tenders-D-25-Exhaust	0.0010000	0	0.00%	0.00%
86088712102570	Excavators-D-25-Exhaust	0.0130000	0	0.01%	0.00%
86088712102580	Excavators-D-50-Exhaust	0.3170000	46	0.36%	0.50%
86088712102590	Excavators-D-120-Exhaust	0.4320000	60	0.49%	0.65%
86088712102600	Excavators-D-175-Exhaust	0.7610000	76	0.87%	0.82%
86088712102610	Excavators-D-250-Exhaust	0.8670000	54	0.99%	0.58%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712102620	Excavators-D-500-Exhaust	1.0920000	70	1.25%	0.76%
86088712102630	Excavators-D-750-Exhaust	0.1080000	8	0.12%	0.09%
86088712102634	Excavators-D-9999-Exhaust	0.0530000	4	0.06%	0.04%
86088712103700	Graders-D-50-Exhaust	0.0030000	0	0.00%	0.00%
86088712103710	Graders-D-120-Exhaust	0.1240000	20	0.14%	0.22%
86088712103720	Graders-D-175-Exhaust	0.9350000	106	1.07%	1.14%
86088712103730	Graders-D-250-Exhaust	1.1820000	78	1.35%	0.84%
86088712103740	Graders-D-500-Exhaust	0.2190000	18	0.25%	0.19%
86088712103754	Graders-D-9999-Exhaust	0.0610000	4	0.07%	0.04%
86088712104700	Off-Highway Tractors-D-120-Exhaust	0.3550000	60	0.41%	0.65%
86088712104710	Off-Highway Tractors-D-175-Exhaust	0.1360000	14	0.16%	0.15%
86088712104720	Off-Highway Tractors-D-250-Exhaust	0.1250000	8	0.14%	0.09%
86088712104730	Off-Highway Tractors-D-750-Exhaust	0.2830000	20	0.32%	0.22%
86088712104740	Off-Highway Tractors-D-1000-Exhaust	0.0010000	0	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712104744	Off-Highway Tractors-D-9999-Exhaust	0.0170000	0	0.02%	0.00%
86088712104750	Off-Highway Trucks-D-175-Exhaust	0.3340000	38	0.38%	0.41%
86088712104760	Off-Highway Trucks-D-250-Exhaust	0.6370000	54	0.73%	0.58%
86088712104770	Off-Highway Trucks-D-500-Exhaust	2.2410000	166	2.56%	1.79%
86088712104780	Off-Highway Trucks-D-750-Exhaust	0.9310000	74	1.06%	0.80%
86088712104790	Off-Highway Trucks-D-1000-Exhaust	0.8630000	48	0.99%	0.52%
86088712104794	Off-Highway Trucks-D-9999-Exhaust	1.1250000	66	1.29%	0.71%
86088712105340	Other Construction Equipment-D-15-Exhaust	0.0340000	4	0.04%	0.04%
86088712105350	Other Construction Equipment-D-25-Exhaust	0.0080000	0	0.01%	0.00%
86088712105360	Other Construction Equipment-D-50-Exhaust	0.0810000	14	0.09%	0.15%
86088712105370	Other Construction Equipment-D-120-Exhaust	0.3200000	50	0.37%	0.54%
86088712105390	Other Construction Equipment-D-175-Exhaust	0.1580000	18	0.18%	0.19%
86088712105410	Other Construction Equipment-D-500-Exhaust	0.6470000	48	0.74%	0.52%
86088712105430	Other Construction Equipment-D-9999-Exhaust	0.2120000	14	0.24%	0.15%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712106100	Pavers-D-25-Exhaust	0.0040000	0	0.00%	0.00%
86088712106110	Pavers-D-50-Exhaust	0.0100000	2	0.01%	0.02%
86088712106120	Pavers-D-120-Exhaust	0.1140000	18	0.13%	0.19%
86088712106130	Pavers-D-175-Exhaust	0.1180000	12	0.13%	0.13%
86088712106140	Pavers-D-250-Exhaust	0.0700000	4	0.08%	0.04%
86088712106150	Pavers-D-500-Exhaust	0.0170000	0	0.02%	0.00%
86088712106152	Pavers-D-750-Exhaust	0.0020000	0	0.00%	0.00%
86088712106190	Paving Equipment-D-25-Exhaust	0.0040000	0	0.00%	0.00%
86088712106210	Paving Equipment-D-50-Exhaust	0.0110000	0	0.01%	0.00%
86088712106230	Paving Equipment-D-120-Exhaust	0.0610000	10	0.07%	0.11%
86088712106240	Paving Equipment-D-175-Exhaust	0.0430000	4	0.05%	0.04%
86088712106250	Paving Equipment-D-250-Exhaust	0.0700000	4	0.08%	0.04%
86088712106251	Paving Equipment-D-1000-Exhaust	0.0040000	0	0.00%	0.00%
86088712107640	Rollers-D-15-Exhaust	0.0390000	4	0.04%	0.04%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712107660	Rollers-D-25-Exhaust	0.0360000	4	0.04%	0.04%
86088712107680	Rollers-D-50-Exhaust	0.1940000	34	0.22%	0.37%
86088712107700	Rollers-D-120-Exhaust	0.3560000	52	0.41%	0.56%
86088712107710	Rollers-D-175-Exhaust	0.2650000	24	0.30%	0.26%
86088712107720	Rollers-D-250-Exhaust	0.0420000	4	0.05%	0.04%
86088712107730	Rollers-D-500-Exhaust	0.0260000	2	0.03%	0.02%
86088712107732	Rollers-D-750-Exhaust	0.0000000	0	0.00%	0.00%
86088712107750	Rough Terrain Forklifts-D-50-Exhaust	0.0090000	0	0.01%	0.00%
86088712107770	Rough Terrain Forklifts-D-120-Exhaust	0.5920000	64	0.68%	0.69%
86088712107790	Rough Terrain Forklifts-D-175-Exhaust	0.0930000	8	0.11%	0.09%
86088712107800	Rough Terrain Forklifts-D-250-Exhaust	0.0070000	0	0.01%	0.00%
86088712107810	Rough Terrain Forklifts-D-500-Exhaust	0.0040000	0	0.00%	0.00%
86088712107812	Rough Terrain Forklifts-D-750-Exhaust	0.0000000	0	0.00%	0.00%
86088712107820	Rubber Tired Dozers-D-175-Exhaust	0.1520000	24	0.17%	0.26%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712107830	Rubber Tired Dozers-D-250-Exhaust	0.0590000	6	0.07%	0.06%
86088712107840	Rubber Tired Dozers-D-500-Exhaust	0.6400000	60	0.73%	0.65%
86088712107850	Rubber Tired Dozers-D-750-Exhaust	0.0750000	6	0.09%	0.06%
86088712107864	Rubber Tired Loaders-D-9999-Exhaust	0.2620000	14	0.30%	0.15%
86088712107870	Rubber Tired Loaders-D-25-Exhaust	0.0030000	0	0.00%	0.00%
86088712107890	Rubber Tired Loaders-D-50-Exhaust	0.0320000	6	0.04%	0.06%
86088712107910	Rubber Tired Loaders-D-120-Exhaust	0.9030000	154	1.03%	1.66%
86088712107920	Rubber Tired Loaders-D-175-Exhaust	1.7680000	198	2.02%	2.14%
86088712107930	Rubber Tired Loaders-D-250-Exhaust	2.2360000	152	2.56%	1.64%
86088712107940	Rubber Tired Loaders-D-500-Exhaust	2.6180000	198	2.99%	2.14%
86088712107950	Rubber Tired Loaders-D-750-Exhaust	0.4510000	36	0.52%	0.39%
86088712108020	Scrapers-D-120-Exhaust	0.0440000	6	0.05%	0.06%
86088712108030	Scrapers-D-175-Exhaust	0.4270000	46	0.49%	0.50%
86088712108040	Scrapers-D-250-Exhaust	0.5550000	50	0.63%	0.54%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712108050	Scrapers-D-500-Exhaust	3.4830000	280	3.98%	3.02%
86088712108060	Scrapers-D-750-Exhaust	1.2590000	92	1.44%	0.99%
86088712108064	Scrapers-D-9999-Exhaust	0.1880000	16	0.22%	0.17%
86088712108250	Skid Steer Loaders-D-25-Exhaust	0.3520000	32	0.40%	0.35%
86088712108270	Skid Steer Loaders-D-50-Exhaust	0.1180000	12	0.13%	0.13%
86088712108290	Skid Steer Loaders-D-120-Exhaust	0.5580000	60	0.64%	0.65%
86088712108292	Skid Steer Loaders-D-1000-Exhaust	0.0100000	0	0.01%	0.00%
86088712108600	Surfacing Equipment-D-50-Exhaust	0.0010000	0	0.00%	0.00%
86088712108610	Surfacing Equipment-D-120-Exhaust	0.0120000	0	0.01%	0.00%
86088712108620	Surfacing Equipment-D-175-Exhaust	0.0070000	0	0.01%	0.00%
86088712108630	Surfacing Equipment-D-250-Exhaust	0.0120000	0	0.01%	0.00%
86088712108640	Surfacing Equipment-D-500-Exhaust	0.0250000	0	0.03%	0.00%
86088712108650	Surfacing Equipment-D-750-Exhaust	0.0210000	0	0.02%	0.00%
86088712108654	Surfacing Equipment-D-9999-Exhaust	0.0090000	0	0.01%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712109310	Tractors/Loaders/Backhoes-D-25-Exhaust	0.0650000	4	0.07%	0.04%
86088712109320	Tractors/Loaders/Backhoes-D-50-Exhaust	0.2960000	50	0.34%	0.54%
86088712109340	Tractors/Loaders/Backhoes-D-120-Exhaust	4.8580000	732	5.56%	7.90%
86088712109350	Tractors/Loaders/Backhoes-D-175-Exhaust	0.6890000	70	0.79%	0.76%
86088712109360	Tractors/Loaders/Backhoes-D-250-Exhaust	0.4150000	28	0.47%	0.30%
86088712109361	Tractors/Loaders/Backhoes-D-9999-Exhaust	0.7830000	52	0.90%	0.56%
86088712109420	Trenchers-D-500-Exhaust	0.0380000	4	0.04%	0.04%
86088712109430	Trenchers-D-15-Exhaust	0.0050000	0	0.01%	0.00%
86088712109450	Trenchers-D-25-Exhaust	0.0250000	2	0.03%	0.02%
86088712109470	Trenchers-D-50-Exhaust	0.1040000	18	0.12%	0.19%
86088712109490	Trenchers-D-120-Exhaust	0.1080000	18	0.12%	0.19%
86088712109500	Trenchers-D-175-Exhaust	0.0200000	2	0.02%	0.02%
86088712109510	Trenchers-D-250-Exhaust	0.0400000	4	0.05%	0.04%
86088712109530	Trenchers-D-750-Exhaust	0.0070000	0	0.01%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712109534	Trenchers-D-1000-Exhaust	0.0040000	0	0.00%	0.00%
86088912100070	A/C Tug Narrow Body-D-250-Exhaust	0.0000000	0	0.00%	0.00%
86088912100072	A/C Tug Narrow Body-D-750-Exhaust	0.0000000	0	0.00%	0.00%
86088912100090	A/C Tug Wide Body-D-500-Exhaust	0.0000000	0	0.00%	0.00%
86088912100092	A/C Tug Wide Body-D-750-Exhaust	0.0000000	0	0.00%	0.00%
86088912100720	Baggage Tug-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86088912100722	Baggage Tug-D-250-Exhaust	0.0000000	0	0.00%	0.00%
86088912100790	Belt Loader-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86088912100792	Belt Loader-D-750-Exhaust	0.0000000	0	0.00%	0.00%
86088912100990	Cargo Loader-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86088912100992	Cargo Loader-D-750-Exhaust	0.0000000	0	0.00%	0.00%
86088912101010	Cargo Tractor-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86088912101012	Cargo Tractor-D-500-Exhaust	0.0000000	0	0.00%	0.00%
86088912101090	Catering Truck-D-250-Exhaust	0.0000000	0	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088912102720	Forklift-D-175-Exhaust	0.0000000	0	0.00%	0.00%
86088912102722	Forklifts-D-500-Exhaust	0.0000000	0	0.00%	0.00%
86088912103020	Fuel Truck-D-250-Exhaust	0.0000000	0	0.00%	0.00%
86088912104030	Lav Truck-D-175-Exhaust	0.0000000	0	0.00%	0.00%
86088912104180	Lift-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86088912104182	Lift-D-500-Exhaust	0.0000000	0	0.00%	0.00%
86088912105660	Other GSE-D-175-Exhaust	0.0000000	0	0.00%	0.00%
86088912105664	Other GSE-D-500-Exhaust	0.0000000	0	0.00%	0.00%
86089112102340	Drill Rig-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86089112102350	Drill Rig-D-175-Exhaust	0.0000000	0	0.00%	0.00%
86089112102360	Drill Rig-D-250-Exhaust	0.0000000	0	0.00%	0.00%
86089112102370	Drill Rig-D-500-Exhaust	0.0010000	0	0.00%	0.00%
86089112102380	Drill Rig-D-750-Exhaust	0.0000000	0	0.00%	0.00%
86089112102390	Drill Rig-D-1000-Exhaust	0.0260000	0	0.03%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86089112102391	DRILL RIG (MOBILE)-D-50-EXHAUST	0.0000000	0	0.00%	0.00%
86089112102392	DRILL RIG (MOBILE)-D-120-EXHAUST	0.0010000	0	0.00%	0.00%
86089112102393	DRILL RIG (MOBILE)-D-175-EXHAUST	0.0040000	0	0.00%	0.00%
86089112102394	DRILL RIG (MOBILE)-D-250-EXHAUST	0.0040000	0	0.00%	0.00%
86089112102395	DRILL RIG (MOBILE)-D-500-EXHAUST	0.0060000	0	0.01%	0.00%
86089112102396	DRILL RIG (MOBILE)-D-750-EXHAUST	0.0030000	0	0.00%	0.00%
86089112102397	DRILL RIG (MOBILE)-D-1000-EXHAUST	0.0010000	0	0.00%	0.00%
86089112102399	WORKOVER RIG (MOBILE)-D-120-EXHAUST	0.0000000	0	0.00%	0.00%
86089112102400	WORKOVER RIG (MOBILE)-D-175-EXHAUST	0.0000000	0	0.00%	0.00%
86089112102401	WORKOVER RIG (MOBILE)-D-250-EXHAUST	0.0010000	0	0.00%	0.00%
86089112102402	WORKOVER RIG (MOBILE)-D-500-EXHAUST	0.0650000	4	0.07%	0.04%
86089112102403	WORKOVER RIG (MOBILE)-D-750-EXHAUST	0.0070000	0	0.01%	0.00%
86089112104200	Lift (Drilling)-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86089112104210	Lift (Drilling)-D-175-Exhaust	0.0000000	0	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86089112104230	Lift (Drilling)-D-250-Exhaust	0.0000000	0	0.00%	0.00%
86089112104240	Lift (Drilling)-D-500-Exhaust	0.0020000	0	0.00%	0.00%
86089112104250	Lift (Drilling)-D-750-Exhaust	0.0000000	0	0.00%	0.00%
86089212101790	Crane-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86089212101800	Crane-D-175-Exhaust	0.0000000	0	0.00%	0.00%
86089212101810	Crane-D-250-Exhaust	0.0000000	0	0.00%	0.00%
86089212102290	Deicer-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86089212104260	Lift (Military)-D-120-Exhaust	0.0000000	0	0.00%	0.00%
86089212104270	Light-D-50-Exhaust	0.0000000	0	0.00%	0.00%
86090312101350	Commercial Turf Equipment-D-15-Exhaust	0.1640000	14	0.19%	0.15%
86090312101380	Commercial Turf Equipment-D-25-Exhaust	4.8280000	362	5.52%	3.91%
86090312104050	Lawn & Garden Tractors-D-15-Exhaust	3.1900000	260	3.65%	2.81%
86090312104070	Lawn & Garden Tractors-D-25-Exhaust	4.0150000	312	4.59%	3.37%
86090312105710	Other Lawn & Garden Equipment-D-15-Exhaust	0.0020000	0	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NO _x	Lbs per Year DPM	NO _x Subtotal	DPM Subtotal
Subtotal		87.4320000	9268	100.00%	100.00%

V. Portside Environmental Justice Neighborhoods

The main sources of air pollutant emissions identified in the published Portside Environmental Justice Neighborhoods AB 617 CERP were off-road mobile sources, on-road mobile sources, and certain area sources. On-road and off-road mobile sources were the drivers for DPM emissions in the community with the major contributors being commercial harbor craft, off-road diesel equipment, heavy-heavy duty vehicles, and medium-heavy duty vehicles. Based on the 2018 base year emission inventory developed for the Portside Environmental Justice Neighborhood CERP, it is estimated that vehicles subject to the Proposed Amendments contributed to 6 percent of NOx emissions and 13 percent of DPM emissions. Table 5 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 5. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the Portside Environmental Justice Neighborhoods (2018)¹⁹

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088612100160	Aerial Lifts-D-15-Exhaust	0.03710	0.00145	0.04%	0.04%
86088612100190	Aerial Lifts-D-25-Exhaust	0.08302	0.00372	0.09%	0.10%
86088612100210	Aerial Lifts-D-50-Exhaust	0.35092	0.00593	0.39%	0.16%
86088612100230	Aerial Lifts-D-120-Exhaust	0.43777	0.01211	0.49%	0.32%
86088612100240	Aerial Lifts-D-500-Exhaust	0.01884	0.00071	0.02%	0.02%
86088612102724	Forklifts-D-1000-Exhaust	0.02120	0.00118	0.02%	0.03%
86088612102890	Forklifts-D-50-Exhaust	0.37140	0.03284	0.41%	0.87%

¹⁹ From the community inventory used to develop the CERP.

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088612102920	Forklifts-D-120-Exhaust	4.95018	0.39505	5.52%	10.52%
86088612102950	Forklifts-D-175-Exhaust	1.37892	0.07508	1.54%	2.00%
86088612102960	Forklifts-D-250-Exhaust	0.32388	0.01359	0.36%	0.36%
86088612102970	Forklifts-D-500-Exhaust	0.05786	0.00239	0.06%	0.06%
86088612105520	Other General Industrial Equipmen-D-15-Exhaust	0.03412	0.00133	0.04%	0.04%
86088612105540	Other General Industrial Equipmen-D-25-Exhaust	0.11475	0.00429	0.13%	0.11%
86088612105560	Other General Industrial Equipmen-D-50-Exhaust	0.78610	0.06531	0.88%	1.74%
86088612105580	Other General Industrial Equipmen-D-120-Exhaust	0.70832	0.05600	0.79%	1.49%
86088612105600	Other General Industrial Equipmen-D-175-Exhaust	0.21247	0.01129	0.24%	0.30%
86088612105610	Other General Industrial Equipmen-D-250-Exhaust	0.21786	0.00805	0.24%	0.21%
86088612105620	Other General Industrial Equipmen-D-500-Exhaust	0.53693	0.01913	0.60%	0.51%
86088612105630	Other General Industrial Equipmen-D-750-Exhaust	0.16144	0.00551	0.18%	0.15%
86088612105640	Other General Industrial Equipmen-D-1000-Exhaust	0.03290	0.00079	0.04%	0.02%
86088612105644	Other General Industrial Equipmen-D-9999-Exhaust	0.02335	0.00065	0.03%	0.02%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088612105810	Other Material Handling Equipment-D-50-Exhaust	0.03845	0.00339	0.04%	0.09%
86088612105830	Other Material Handling Equipment-D-120-Exhaust	0.39019	0.02683	0.44%	0.71%
86088612105840	Other Material Handling Equipment-D-175-Exhaust	0.18372	0.00951	0.20%	0.25%
86088612105850	Other Material Handling Equipment-D-250-Exhaust	0.26880	0.00887	0.30%	0.24%
86088612105860	Other Material Handling Equipment-D-500-Exhaust	0.55145	0.02089	0.62%	0.56%
86088612105890	OTHER MATERIAL HANDLING EQUIPMENT-D-9999-EXHAUST	0.08619	0.00274	0.10%	0.07%
86088712102000	Cranes-D-50-Exhaust	0.00487	0.00051	0.01%	0.01%
86088712102020	Cranes-D-120-Exhaust	0.16922	0.01244	0.19%	0.33%
86088712102040	Cranes-D-175-Exhaust	0.36537	0.01956	0.41%	0.52%
86088712102050	Cranes-D-250-Exhaust	0.54528	0.02360	0.61%	0.63%
86088712102060	Cranes-D-500-Exhaust	0.67192	0.02711	0.75%	0.72%
86088712102070	Cranes-D-750-Exhaust	0.14430	0.00524	0.16%	0.14%
86088712102080	Cranes-D-9999-Exhaust	0.09469	0.00460	0.11%	0.12%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088712102100	Crawler Tractors-D-50-Exhaust	0.01530	0.00175	0.02%	0.05%
86088712102110	Crawler Tractors-D-120-Exhaust	0.79976	0.06731	0.89%	1.79%
86088712102120	Crawler Tractors-D-175-Exhaust	0.76644	0.04258	0.86%	1.13%
86088712102130	Crawler Tractors-D-250-Exhaust	0.69592	0.02633	0.78%	0.70%
86088712102140	Crawler Tractors-D-500-Exhaust	1.53503	0.05947	1.71%	1.58%
86088712102150	Crawler Tractors-D-750-Exhaust	0.52640	0.01942	0.59%	0.52%
86088712102160	Crawler Tractors-D-1000-Exhaust	0.13686	0.00407	0.15%	0.11%
86088712102164	Crawler Tractors-D-9999-Exhaust	0.06150	0.00166	0.07%	0.04%
86088712102460	Dumpers/Tenders-D-25-Exhaust	0.00215	0.00008	0.00%	0.00%
86088712102570	Excavators-D-25-Exhaust	0.01501	0.00056	0.02%	0.01%
86088712102580	Excavators-D-50-Exhaust	0.42864	0.02771	0.48%	0.74%
86088712102590	Excavators-D-120-Exhaust	0.53636	0.03569	0.60%	0.95%
86088712102600	Excavators-D-175-Exhaust	0.86805	0.04210	0.97%	1.12%
86088712102610	Excavators-D-250-Exhaust	0.97893	0.02975	1.09%	0.79%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088712102620	Excavators-D-500-Exhaust	1.28923	0.04176	1.44%	1.11%
86088712102630	Excavators-D-750-Exhaust	0.12969	0.00435	0.14%	0.12%
86088712102634	Excavators-D-9999-Exhaust	0.06253	0.00121	0.07%	0.03%
86088712103700	Graders-D-50-Exhaust	0.00425	0.00054	0.00%	0.01%
86088712103710	Graders-D-120-Exhaust	0.16539	0.01353	0.18%	0.36%
86088712103720	Graders-D-175-Exhaust	1.16309	0.06538	1.30%	1.74%
86088712103730	Graders-D-250-Exhaust	1.62885	0.05295	1.82%	1.41%
86088712103740	Graders-D-500-Exhaust	0.29756	0.01152	0.33%	0.31%
86088712103754	Graders-D-9999-Exhaust	0.08879	0.00276	0.10%	0.07%
86088712104700	Off-Highway Tractors-D-120-Exhaust	0.47282	0.03780	0.53%	1.01%
86088712104710	Off-Highway Tractors-D-175-Exhaust	0.17069	0.00857	0.19%	0.23%
86088712104720	Off-Highway Tractors-D-250-Exhaust	0.14208	0.00488	0.16%	0.13%
86088712104730	Off-Highway Tractors-D-750-Exhaust	0.31005	0.01078	0.35%	0.29%
86088712104740	Off-Highway Tractors-D-1000-Exhaust	0.00194	0.00005	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088712104744	Off-Highway Tractors-D-9999-Exhaust	0.02504	0.00065	0.03%	0.02%
86088712104750	Off-Highway Trucks-D-175-Exhaust	0.40826	0.02334	0.46%	0.62%
86088712104760	Off-Highway Trucks-D-250-Exhaust	0.72675	0.02975	0.81%	0.79%
86088712104770	Off-Highway Trucks-D-500-Exhaust	2.72544	0.09948	3.04%	2.65%
86088712104780	Off-Highway Trucks-D-750-Exhaust	1.16607	0.04520	1.30%	1.20%
86088712104790	Off-Highway Trucks-D-1000-Exhaust	1.07126	0.02789	1.20%	0.74%
86088712104794	Off-Highway Trucks-D-9999-Exhaust	1.38787	0.03774	1.55%	1.00%
86088712105340	Other Construction Equipment-D-15-Exhaust	0.03902	0.00152	0.04%	0.04%
86088712105350	Other Construction Equipment-D-25-Exhaust	0.00903	0.00034	0.01%	0.01%
86088712105360	Other Construction Equipment-D-50-Exhaust	0.11442	0.00975	0.13%	0.26%
86088712105370	Other Construction Equipment-D-120-Exhaust	0.41470	0.03175	0.46%	0.85%
86088712105390	Other Construction Equipment-D-175-Exhaust	0.19790	0.01041	0.22%	0.28%
86088712105410	Other Construction Equipment-D-500-Exhaust	0.78866	0.02854	0.88%	0.76%
86088712105430	Other Construction Equipment-D-9999-Exhaust	0.26771	0.00838	0.30%	0.22%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088712106100	Pavers-D-25-Exhaust	0.00324	0.00013	0.00%	0.00%
86088712106110	Pavers-D-50-Exhaust	0.01079	0.00101	0.01%	0.03%
86088712106120	Pavers-D-120-Exhaust	0.11481	0.00858	0.13%	0.23%
86088712106130	Pavers-D-175-Exhaust	0.11579	0.00566	0.13%	0.15%
86088712106140	Pavers-D-250-Exhaust	0.07224	0.00192	0.08%	0.05%
86088712106150	Pavers-D-500-Exhaust	0.01844	0.00066	0.02%	0.02%
86088712106152	Pavers-D-750-Exhaust	0.00225	0.00010	0.00%	0.00%
86088712106190	Paving Equipment-D-25-Exhaust	0.00380	0.00014	0.00%	0.00%
86088712106210	Paving Equipment-D-50-Exhaust	0.01145	0.00076	0.01%	0.02%
86088712106230	Paving Equipment-D-120-Exhaust	0.05661	0.00401	0.06%	0.11%
86088712106240	Paving Equipment-D-175-Exhaust	0.03985	0.00195	0.04%	0.05%
86088712106250	Paving Equipment-D-250-Exhaust	0.06814	0.00225	0.08%	0.06%
86088712106251	Paving Equipment-D-1000-Exhaust	0.00197	0.00003	0.00%	0.00%
86088712107640	Rollers-D-15-Exhaust	0.04493	0.00176	0.05%	0.05%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088712107660	Rollers-D-25-Exhaust	0.04148	0.00155	0.05%	0.04%
86088712107680	Rollers-D-50-Exhaust	0.26555	0.02121	0.30%	0.56%
86088712107700	Rollers-D-120-Exhaust	0.44227	0.03044	0.49%	0.81%
86088712107710	Rollers-D-175-Exhaust	0.31412	0.01454	0.35%	0.39%
86088712107720	Rollers-D-250-Exhaust	0.04656	0.00146	0.05%	0.04%
86088712107730	Rollers-D-500-Exhaust	0.03010	0.00116	0.03%	0.03%
86088712107732	Rollers-D-750-Exhaust	0.00033	0.00000	0.00%	0.00%
86088712107750	Rough Terrain Forklifts-D-50-Exhaust	0.01324	0.00100	0.01%	0.03%
86088712107770	Rough Terrain Forklifts-D-120-Exhaust	0.71147	0.03401	0.79%	0.91%
86088712107790	Rough Terrain Forklifts-D-175-Exhaust	0.10793	0.00404	0.12%	0.11%
86088712107800	Rough Terrain Forklifts-D-250-Exhaust	0.00940	0.00023	0.01%	0.01%
86088712107810	Rough Terrain Forklifts-D-500-Exhaust	0.00438	0.00010	0.00%	0.00%
86088712107812	Rough Terrain Forklifts-D-750-Exhaust	0.00033	0.00000	0.00%	0.00%
86088712107820	Rubber Tired Dozers-D-175-Exhaust	0.19714	0.01457	0.22%	0.39%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088712107830	Rubber Tired Dozers-D-250-Exhaust	0.07999	0.00389	0.09%	0.10%
86088712107840	Rubber Tired Dozers-D-500-Exhaust	0.81898	0.03781	0.91%	1.01%
86088712107850	Rubber Tired Dozers-D-750-Exhaust	0.10096	0.00372	0.11%	0.10%
86088712107864	Rubber Tired Loaders-D-9999-Exhaust	0.33195	0.00862	0.37%	0.23%
86088712107870	Rubber Tired Loaders-D-25-Exhaust	0.00401	0.00015	0.00%	0.00%
86088712107890	Rubber Tired Loaders-D-50-Exhaust	0.04339	0.00440	0.05%	0.12%
86088712107910	Rubber Tired Loaders-D-120-Exhaust	1.14447	0.09451	1.28%	2.52%
86088712107920	Rubber Tired Loaders-D-175-Exhaust	2.14613	0.11905	2.39%	3.17%
86088712107930	Rubber Tired Loaders-D-250-Exhaust	2.80546	0.09515	3.13%	2.53%
86088712107940	Rubber Tired Loaders-D-500-Exhaust	3.31159	0.12398	3.69%	3.30%
86088712107950	Rubber Tired Loaders-D-750-Exhaust	0.56976	0.02250	0.64%	0.60%
86088712108020	Scrapers-D-120-Exhaust	0.06211	0.00486	0.07%	0.13%
86088712108030	Scrapers-D-175-Exhaust	0.52112	0.02798	0.58%	0.74%
86088712108040	Scrapers-D-250-Exhaust	0.71167	0.03145	0.79%	0.84%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088712108050	Scrapers-D-500-Exhaust	9.61230	0.16956	10.72%	4.51%
86088712108060	Scrapers-D-750-Exhaust	1.61492	0.05820	1.80%	1.55%
86088712108064	Scrapers-D-9999-Exhaust	0.27290	0.01130	0.30%	0.30%
86088712108250	Skid Steer Loaders-D-25-Exhaust	0.40161	0.01777	0.45%	0.47%
86088712108270	Skid Steer Loaders-D-50-Exhaust	0.16088	0.00737	0.18%	0.20%
86088712108290	Skid Steer Loaders-D-120-Exhaust	0.70161	0.03429	0.78%	0.91%
86088712108292	Skid Steer Loaders-D-1000-Exhaust	0.01010	0.00038	0.01%	0.01%
86088712108600	Surfacing Equipment-D-50-Exhaust	0.00182	0.00012	0.00%	0.00%
86088712108610	Surfacing Equipment-D-120-Exhaust	0.01433	0.00090	0.02%	0.02%
86088712108620	Surfacing Equipment-D-175-Exhaust	0.00777	0.00037	0.01%	0.01%
86088712108630	Surfacing Equipment-D-250-Exhaust	0.01452	0.00041	0.02%	0.01%
86088712108640	Surfacing Equipment-D-500-Exhaust	0.02576	0.00089	0.03%	0.02%
86088712108650	Surfacing Equipment-D-750-Exhaust	0.02443	0.00084	0.03%	0.02%
86088712108654	Surfacing Equipment-D-9999-Exhaust	0.01256	0.00031	0.01%	0.01%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088712109310	Tractors/Loaders/Backhoes-D-25-Exhaust	0.07459	0.00286	0.08%	0.08%
86088712109320	Tractors/Loaders/Backhoes-D-50-Exhaust	0.39888	0.03035	0.45%	0.81%
86088712109340	Tractors/Loaders/Backhoes-D-120-Exhaust	13.53985	0.42936	15.11%	11.43%
86088712109350	Tractors/Loaders/Backhoes-D-175-Exhaust	0.81289	0.04093	0.91%	1.09%
86088712109360	Tractors/Loaders/Backhoes-D-250-Exhaust	0.51309	0.01656	0.57%	0.44%
86088712109361	Tractors/Loaders/Backhoes-D-9999-Exhaust	0.90918	0.02856	1.01%	0.76%
86088712109420	Trenchers-D-500-Exhaust	0.05092	0.00192	0.06%	0.05%
86088712109430	Trenchers-D-15-Exhaust	0.00663	0.00026	0.01%	0.01%
86088712109450	Trenchers-D-25-Exhaust	0.02841	0.00106	0.03%	0.03%
86088712109470	Trenchers-D-50-Exhaust	0.14372	0.01186	0.16%	0.32%
86088712109490	Trenchers-D-120-Exhaust	0.13779	0.01048	0.15%	0.28%
86088712109500	Trenchers-D-175-Exhaust	0.02477	0.00126	0.03%	0.03%
86088712109510	Trenchers-D-250-Exhaust	0.04958	0.00198	0.06%	0.05%
86088712109530	Trenchers-D-750-Exhaust	0.00729	0.00020	0.01%	0.01%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOX	TPY DPM	NOx Subtotal	DPM Subtotal
86088712109534	Trenchers-D-1000-Exhaust	0.00559	0.00026	0.01%	0.01%
86090312101350	Commercial Turf Equipment-D-15-Exhaust	0.10263	0.00401	0.11%	0.11%
86090312101380	Commercial Turf Equipment-D-25-Exhaust	3.02591	0.11307	3.38%	3.01%
86090312104050	Lawn & Garden Tractors-D-15-Exhaust	1.99838	0.07996	2.23%	2.13%
86090312104070	Lawn & Garden Tractors-D-25-Exhaust	2.51561	0.09625	2.81%	2.56%
86090312105710	Other Lawn & Garden Equipment-D-15-Exhaust	0.00076	0.00003	0.00%	0.00%
86090312105730	Other Lawn & Garden Equipment-D-25-Exhaust	0.00015	0.00001	0.00%	0.00%
Subtotal		89.63152	3.75627	100.00%	100.00%

VI. San Bernardino, Muscoy Community

The main sources of air pollution emissions identified in the published San Bernardino, Muscoy AB 617 CERP were on-road traffic, trains, off-road equipment, and certain industrial activities. DPM was the main air toxic pollutant, coming mostly from on-road and off-road mobile sources. Based on the 2017 base year emission inventory developed for the San Bernardino, Muscoy CERP, NO_x emissions in this community were dominated by on-road and off-road mobile sources, which accounted for more than 90 percent of the total emissions. It is estimated that vehicles subject to the Proposed Amendments contributed to 8 percent of NO_x emissions and 22 percent of DPM emissions. Table 6 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 6. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the San Bernardino, Muscoy Community (2017)²⁰

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NO _x	Lbs per Year DPM	NO _x Subtotal	DPM Subtotal
86088612100160	Aerial Lifts-D-15-Exhaust	0.00900	0	0.01%	0.00%
86088612100190	Aerial Lifts-D-25-Exhaust	0.01900	2	0.02%	0.02%
86088612100210	Aerial Lifts-D-50-Exhaust	0.08200	4	0.09%	0.04%
86088612100230	Aerial Lifts-D-120-Exhaust	0.10800	8	0.12%	0.09%
86088612100240	Aerial Lifts-D-500-Exhaust	0.00800	0	0.01%	0.00%
86088612102724	Forklifts-D-1000-Exhaust	0.00500	0	0.01%	0.00%
86088612102890	Forklifts-D-50-Exhaust	0.08600	16	0.09%	0.18%

²⁰ From the community inventory used to develop the CERP.

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088612102920	Forklifts-D-120-Exhaust	1.23300	202	1.33%	2.26%
86088612102950	Forklifts-D-175-Exhaust	0.35900	40	0.39%	0.45%
86088612102960	Forklifts-D-250-Exhaust	0.08100	8	0.09%	0.09%
86088612102970	Forklifts-D-500-Exhaust	0.01600	2	0.02%	0.02%
86088612105520	Other General Industrial Equipmen-D-15-Exhaust	0.00800	0	0.01%	0.00%
86088612105540	Other General Industrial Equipmen-D-25-Exhaust	0.02600	2	0.03%	0.02%
86088612105560	Other General Industrial Equipmen-D-50-Exhaust	0.17900	32	0.19%	0.36%
86088612105580	Other General Industrial Equipmen-D-120-Exhaust	0.17600	28	0.19%	0.31%
86088612105600	Other General Industrial Equipmen-D-175-Exhaust	0.06400	8	0.07%	0.09%
86088612105610	Other General Industrial Equipmen-D-250-Exhaust	0.06400	4	0.07%	0.04%
86088612105620	Other General Industrial Equipmen-D-500-Exhaust	0.15700	12	0.17%	0.13%
86088612105630	Other General Industrial Equipmen-D-750-Exhaust	0.03700	2	0.04%	0.02%
86088612105640	Other General Industrial Equipmen-D-1000-Exhaust	0.00700	0	0.01%	0.00%
86088612105644	Other General Industrial Equipmen-D-9999-Exhaust	0.00500	0	0.01%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088612105810	Other Material Handling Equipment-D-50-Exhaust	0.00900	2	0.01%	0.02%
86088612105830	Other Material Handling Equipment-D-120-Exhaust	0.09700	14	0.10%	0.16%
86088612105840	Other Material Handling Equipment-D-175-Exhaust	0.05400	6	0.06%	0.07%
86088612105850	Other Material Handling Equipment-D-250-Exhaust	0.06600	4	0.07%	0.04%
86088612105860	Other Material Handling Equipment-D-500-Exhaust	0.13300	10	0.14%	0.11%
86088612105890	OTHER MATERIAL HANDLING EQUIPMENT-D-9999-EXHAUST	0.02100	2	0.02%	0.02%
86088712102000	Cranes-D-50-Exhaust	0.00600	0	0.01%	0.00%
86088712102020	Cranes-D-120-Exhaust	0.24700	36	0.27%	0.40%
86088712102040	Cranes-D-175-Exhaust	0.51800	56	0.56%	0.63%
86088712102050	Cranes-D-250-Exhaust	0.79500	72	0.86%	0.81%
86088712102060	Cranes-D-500-Exhaust	0.95900	78	1.03%	0.87%
86088712102070	Cranes-D-750-Exhaust	0.20200	14	0.22%	0.16%
86088712102080	Cranes-D-9999-Exhaust	0.13500	14	0.15%	0.16%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712102100	Crawler Tractors-D-50-Exhaust	0.01900	4	0.02%	0.04%
86088712102110	Crawler Tractors-D-120-Exhaust	1.07400	182	1.16%	2.03%
86088712102120	Crawler Tractors-D-175-Exhaust	1.08400	120	1.17%	1.34%
86088712102130	Crawler Tractors-D-250-Exhaust	0.95800	74	1.03%	0.83%
86088712102140	Crawler Tractors-D-500-Exhaust	2.23200	174	2.40%	1.95%
86088712102150	Crawler Tractors-D-750-Exhaust	0.75700	56	0.82%	0.63%
86088712102160	Crawler Tractors-D-1000-Exhaust	0.17300	12	0.19%	0.13%
86088712102164	Crawler Tractors-D-9999-Exhaust	0.07800	4	0.08%	0.04%
86088712102460	Dumpers/Tenders-D-25-Exhaust	0.00100	0	0.00%	0.00%
86088712102570	Excavators-D-25-Exhaust	0.01100	0	0.01%	0.00%
86088712102580	Excavators-D-50-Exhaust	0.57700	82	0.62%	0.92%
86088712102590	Excavators-D-120-Exhaust	0.78900	112	0.85%	1.25%
86088712102600	Excavators-D-175-Exhaust	1.38900	136	1.50%	1.52%
86088712102610	Excavators-D-250-Exhaust	1.58300	100	1.70%	1.12%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712102620	Excavators-D-500-Exhaust	1.99300	130	2.15%	1.45%
86088712102630	Excavators-D-750-Exhaust	0.19700	12	0.21%	0.13%
86088712102634	Excavators-D-9999-Exhaust	0.09600	4	0.10%	0.04%
86088712103700	Graders-D-50-Exhaust	0.00600	0	0.01%	0.00%
86088712103710	Graders-D-120-Exhaust	0.22600	38	0.24%	0.42%
86088712103720	Graders-D-175-Exhaust	1.70600	192	1.84%	2.15%
86088712103730	Graders-D-250-Exhaust	2.15800	140	2.32%	1.57%
86088712103740	Graders-D-500-Exhaust	0.40000	32	0.43%	0.36%
86088712103754	Graders-D-9999-Exhaust	0.11200	6	0.12%	0.07%
86088712104700	Off-Highway Tractors-D-120-Exhaust	0.64800	108	0.70%	1.21%
86088712104710	Off-Highway Tractors-D-175-Exhaust	0.24900	26	0.27%	0.29%
86088712104720	Off-Highway Tractors-D-250-Exhaust	0.22800	14	0.25%	0.16%
86088712104730	Off-Highway Tractors-D-750-Exhaust	0.51600	36	0.56%	0.40%
86088712104740	Off-Highway Tractors-D-1000-Exhaust	0.00200	0	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712104744	Off-Highway Tractors-D-9999-Exhaust	0.03100	0	0.03%	0.00%
86088712104750	Off-Highway Trucks-D-175-Exhaust	0.60900	72	0.66%	0.81%
86088712104760	Off-Highway Trucks-D-250-Exhaust	1.16300	100	1.25%	1.12%
86088712104770	Off-Highway Trucks-D-500-Exhaust	4.09000	304	4.40%	3.40%
86088712104780	Off-Highway Trucks-D-750-Exhaust	1.70000	136	1.83%	1.52%
86088712104790	Off-Highway Trucks-D-1000-Exhaust	1.57600	88	1.70%	0.98%
86088712104794	Off-Highway Trucks-D-9999-Exhaust	2.05400	122	2.21%	1.36%
86088712105340	Other Construction Equipment-D-15-Exhaust	0.02900	2	0.03%	0.02%
86088712105350	Other Construction Equipment-D-25-Exhaust	0.00700	0	0.01%	0.00%
86088712105360	Other Construction Equipment-D-50-Exhaust	0.14900	26	0.16%	0.29%
86088712105370	Other Construction Equipment-D-120-Exhaust	0.58500	92	0.63%	1.03%
86088712105390	Other Construction Equipment-D-175-Exhaust	0.28900	32	0.31%	0.36%
86088712105410	Other Construction Equipment-D-500-Exhaust	1.18200	86	1.27%	0.96%
86088712105430	Other Construction Equipment-D-9999-Exhaust	0.38700	24	0.42%	0.27%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712106100	Pavers-D-25-Exhaust	0.00300	0	0.00%	0.00%
86088712106110	Pavers-D-50-Exhaust	0.01800	4	0.02%	0.04%
86088712106120	Pavers-D-120-Exhaust	0.20900	32	0.23%	0.36%
86088712106130	Pavers-D-175-Exhaust	0.21500	20	0.23%	0.22%
86088712106140	Pavers-D-250-Exhaust	0.12700	6	0.14%	0.07%
86088712106150	Pavers-D-500-Exhaust	0.03200	2	0.03%	0.02%
86088712106152	Pavers-D-750-Exhaust	0.00300	0	0.00%	0.00%
86088712106190	Paving Equipment-D-25-Exhaust	0.00300	0	0.00%	0.00%
86088712106210	Paving Equipment-D-50-Exhaust	0.02000	2	0.02%	0.02%
86088712106230	Paving Equipment-D-120-Exhaust	0.11100	16	0.12%	0.18%
86088712106240	Paving Equipment-D-175-Exhaust	0.07800	8	0.08%	0.09%
86088712106250	Paving Equipment-D-250-Exhaust	0.12700	8	0.14%	0.09%
86088712106251	Paving Equipment-D-1000-Exhaust	0.00700	0	0.01%	0.00%
86088712107640	Rollers-D-15-Exhaust	0.03300	2	0.04%	0.02%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712107660	Rollers-D-25-Exhaust	0.03100	2	0.03%	0.02%
86088712107680	Rollers-D-50-Exhaust	0.35400	60	0.38%	0.67%
86088712107700	Rollers-D-120-Exhaust	0.65100	94	0.70%	1.05%
86088712107710	Rollers-D-175-Exhaust	0.48400	46	0.52%	0.51%
86088712107720	Rollers-D-250-Exhaust	0.07700	4	0.08%	0.04%
86088712107730	Rollers-D-500-Exhaust	0.04700	4	0.05%	0.04%
86088712107750	Rough Terrain Forklifts-D-50-Exhaust	0.01700	2	0.02%	0.02%
86088712107770	Rough Terrain Forklifts-D-120-Exhaust	1.08100	116	1.16%	1.30%
86088712107790	Rough Terrain Forklifts-D-175-Exhaust	0.16900	12	0.18%	0.13%
86088712107800	Rough Terrain Forklifts-D-250-Exhaust	0.01200	0	0.01%	0.00%
86088712107810	Rough Terrain Forklifts-D-500-Exhaust	0.00700	0	0.01%	0.00%
86088712107820	Rubber Tired Dozers-D-175-Exhaust	0.27800	42	0.30%	0.47%
86088712107830	Rubber Tired Dozers-D-250-Exhaust	0.10800	12	0.12%	0.13%
86088712107840	Rubber Tired Dozers-D-500-Exhaust	1.16800	108	1.26%	1.21%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712107850	Rubber Tired Dozers-D-750-Exhaust	0.13600	10	0.15%	0.11%
86088712107864	Rubber Tired Loaders-D-9999-Exhaust	0.47900	26	0.52%	0.29%
86088712107870	Rubber Tired Loaders-D-25-Exhaust	0.00300	0	0.00%	0.00%
86088712107890	Rubber Tired Loaders-D-50-Exhaust	0.05800	12	0.06%	0.13%
86088712107910	Rubber Tired Loaders-D-120-Exhaust	1.64900	278	1.78%	3.11%
86088712107920	Rubber Tired Loaders-D-175-Exhaust	3.22700	358	3.47%	4.00%
86088712107930	Rubber Tired Loaders-D-250-Exhaust	4.08200	278	4.40%	3.11%
86088712107940	Rubber Tired Loaders-D-500-Exhaust	4.77800	360	5.14%	4.03%
86088712107950	Rubber Tired Loaders-D-750-Exhaust	0.82300	66	0.89%	0.74%
86088712108020	Scrapers-D-120-Exhaust	0.08000	12	0.09%	0.13%
86088712108030	Scrapers-D-175-Exhaust	0.77900	84	0.84%	0.94%
86088712108040	Scrapers-D-250-Exhaust	1.01400	92	1.09%	1.03%
86088712108050	Scrapers-D-500-Exhaust	6.35800	510	6.85%	5.70%
86088712108060	Scrapers-D-750-Exhaust	2.29800	170	2.47%	1.90%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712108064	Scrapers-D-9999-Exhaust	0.34300	28	0.37%	0.31%
86088712108250	Skid Steer Loaders-D-25-Exhaust	0.30100	28	0.32%	0.31%
86088712108270	Skid Steer Loaders-D-50-Exhaust	0.21500	22	0.23%	0.25%
86088712108290	Skid Steer Loaders-D-120-Exhaust	1.01900	108	1.10%	1.21%
86088712108292	Skid Steer Loaders-D-1000-Exhaust	0.01700	0	0.02%	0.00%
86088712108600	Surfacing Equipment-D-50-Exhaust	0.00200	0	0.00%	0.00%
86088712108610	Surfacing Equipment-D-120-Exhaust	0.02100	2	0.02%	0.02%
86088712108620	Surfacing Equipment-D-175-Exhaust	0.01200	0	0.01%	0.00%
86088712108630	Surfacing Equipment-D-250-Exhaust	0.02000	0	0.02%	0.00%
86088712108640	Surfacing Equipment-D-500-Exhaust	0.04600	2	0.05%	0.02%
86088712108650	Surfacing Equipment-D-750-Exhaust	0.03800	2	0.04%	0.02%
86088712108654	Surfacing Equipment-D-9999-Exhaust	0.01600	0	0.02%	0.00%
86088712109310	Tractors/Loaders/Backhoes-D-25-Exhaust	0.05600	4	0.06%	0.04%
86088712109320	Tractors/Loaders/Backhoes-D-50-Exhaust	0.54100	92	0.58%	1.03%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088712109340	Tractors/Loaders/Backhoes-D-120-Exhaust	8.86800	1332	9.55%	14.89%
86088712109350	Tractors/Loaders/Backhoes-D-175-Exhaust	1.25800	128	1.35%	1.43%
86088712109360	Tractors/Loaders/Backhoes-D-250-Exhaust	0.75800	50	0.82%	0.56%
86088712109361	Tractors/Loaders/Backhoes-D-9999-Exhaust	1.43000	94	1.54%	1.05%
86088712109420	Trenchers-D-500-Exhaust	0.06900	4	0.07%	0.04%
86088712109430	Trenchers-D-15-Exhaust	0.00500	0	0.01%	0.00%
86088712109450	Trenchers-D-25-Exhaust	0.02100	0	0.02%	0.00%
86088712109470	Trenchers-D-50-Exhaust	0.19000	34	0.20%	0.38%
86088712109490	Trenchers-D-120-Exhaust	0.19700	32	0.21%	0.36%
86088712109500	Trenchers-D-175-Exhaust	0.03600	4	0.04%	0.04%
86088712109510	Trenchers-D-250-Exhaust	0.07300	6	0.08%	0.07%
86088712109530	Trenchers-D-750-Exhaust	0.01300	0	0.01%	0.00%
86088712109534	Trenchers-D-1000-Exhaust	0.00700	0	0.01%	0.00%
86088912100070	A/C Tug Narrow Body-D-250-Exhaust	0.04800	6	0.05%	0.07%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088912100072	A/C Tug Narrow Body-D-750-Exhaust	0.00400	0	0.00%	0.00%
86088912100090	A/C Tug Wide Body-D-500-Exhaust	0.04200	4	0.05%	0.04%
86088912100092	A/C Tug Wide Body-D-750-Exhaust	0.00200	0	0.00%	0.00%
86088912100720	Baggage Tug-D-120-Exhaust	0.06100	10	0.07%	0.11%
86088912100722	Baggage Tug-D-250-Exhaust	0.00100	0	0.00%	0.00%
86088912100790	Belt Loader-D-120-Exhaust	0.01800	4	0.02%	0.04%
86088912100792	Belt Loader-D-750-Exhaust	0.00100	0	0.00%	0.00%
86088912100990	Cargo Loader-D-120-Exhaust	0.01700	2	0.02%	0.02%
86088912100992	Cargo Loader-D-750-Exhaust	0.01800	2	0.02%	0.02%
86088912101010	Cargo Tractor-D-120-Exhaust	0.03800	8	0.04%	0.09%
86088912101012	Cargo Tractor-D-500-Exhaust	0.02200	2	0.02%	0.02%
86088912101090	Catering Truck-D-250-Exhaust	0.00100	0	0.00%	0.00%
86088912102720	Forklift-D-175-Exhaust	0.01600	2	0.02%	0.02%
86088912102722	Forklifts-D-500-Exhaust	0.00500	0	0.01%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	Lbs per Year DPM	NOx Subtotal	DPM Subtotal
86088912103020	Fuel Truck-D-250-Exhaust	0.00300	0	0.00%	0.00%
86088912104030	Lav Truck-D-175-Exhaust	0.00200	0	0.00%	0.00%
86088912104180	Lift-D-120-Exhaust	0.01100	2	0.01%	0.02%
86088912104182	Lift-D-500-Exhaust	0.00300	0	0.00%	0.00%
86088912105660	Other GSE-D-175-Exhaust	0.06100	8	0.07%	0.09%
86088912105664	Other GSE-D-500-Exhaust	0.03400	2	0.04%	0.02%
86089112102390	Drill Rig-D-1000-Exhaust	0.00000	0	0.00%	0.00%
86089112102402	WORKOVER RIG (MOBILE)-D-500-EXHAUST	0.00000	0	0.00%	0.00%
86090312101350	Commercial Turf Equipment-D-15-Exhaust	0.08900	6	0.10%	0.07%
86090312101380	Commercial Turf Equipment-D-25-Exhaust	2.60000	194	2.80%	2.17%
86090312104050	Lawn & Garden Tractors-D-15-Exhaust	1.71800	138	1.85%	1.54%
86090312104070	Lawn & Garden Tractors-D-25-Exhaust	2.16200	168	2.33%	1.88%
Subtotal		92.86700	8944	100.00%	100.00%

VII. South Central Fresno Community

The main sources of air pollution emissions identified in the published South Central Fresno AB 617 CERP were heavy duty vehicles, medium duty vehicles, and passenger cars, trains, truck refrigeration units, and commercial equipment. The majority of NO_x emissions in South Central Fresno are from mobile sources. Based on the 2017 base year emission inventory developed for the South Central Fresno CERP, it is estimated that vehicles subject to the Proposed Amendments contributed to 4 percent of NO_x emissions and 15 percent of DPM emissions. Table 7 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 7. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the South Central Fresno Community (2017)²¹

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NO _x	TPY DPM	NO _x Subtotal	DPM Subtotal
86088612100160	Aerial Lifts-D-15-Exhaust	0.03017	0.00118	0.03%	0.02%
86088612100190	Aerial Lifts-D-25-Exhaust	0.08855	0.00397	0.10%	0.08%
86088612100210	Aerial Lifts-D-50-Exhaust	0.54454	0.01239	0.59%	0.26%
86088612100230	Aerial Lifts-D-120-Exhaust	0.71993	0.02541	0.78%	0.53%
86088612100240	Aerial Lifts-D-500-Exhaust	0.04853	0.00205	0.05%	0.04%
86088612102724	Forklifts-D-1000-Exhaust	0.03043	0.00170	0.03%	0.04%
86088612102890	Forklifts-D-50-Exhaust	0.57529	0.05653	0.62%	1.18%

²¹ From the community inventory used to develop the CERP.

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088612102920	Forklifts-D-120-Exhaust	8.24335	0.68010	8.91%	14.16%
86088612102950	Forklifts-D-175-Exhaust	2.39752	0.13133	2.59%	2.73%
86088612102960	Forklifts-D-250-Exhaust	0.56579	0.02486	0.61%	0.52%
86088612102970	Forklifts-D-500-Exhaust	0.07986	0.00329	0.09%	0.07%
86088612105520	Other General Industrial Equipmen-D-15-Exhaust	0.02774	0.00108	0.03%	0.02%
86088612105540	Other General Industrial Equipmen-D-25-Exhaust	0.10886	0.00411	0.12%	0.09%
86088612105560	Other General Industrial Equipmen-D-50-Exhaust	1.19627	0.10865	1.29%	2.26%
86088612105580	Other General Industrial Equipmen-D-120-Exhaust	1.17108	0.09633	1.27%	2.01%
86088612105600	Other General Industrial Equipmen-D-175-Exhaust	0.43059	0.02376	0.47%	0.49%
86088612105610	Other General Industrial Equipmen-D-250-Exhaust	0.56341	0.02183	0.61%	0.45%
86088612105620	Other General Industrial Equipmen-D-500-Exhaust	1.09906	0.04072	1.19%	0.85%
86088612105630	Other General Industrial Equipmen-D-750-Exhaust	0.06358	0.00309	0.07%	0.06%
86088612105644	Other General Industrial Equipmen-D-9999-Exhaust	0.08022	0.00204	0.09%	0.04%
86088612105810	Other Material Handling Equipment-D-50-Exhaust	0.05718	0.00551	0.06%	0.11%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088612105830	Other Material Handling Equipment-D-120-Exhaust	0.51484	0.03386	0.56%	0.70%
86088612105840	Other Material Handling Equipment-D-175-Exhaust	0.49057	0.03375	0.53%	0.70%
86088612105850	Other Material Handling Equipment-D-250-Exhaust	0.59274	0.02145	0.64%	0.45%
86088612105860	Other Material Handling Equipment-D-500-Exhaust	0.82472	0.03128	0.89%	0.65%
86088612105890	OTHER MATERIAL HANDLING EQUIPMENT-D-9999-EXHAUST	0.05740	0.00142	0.06%	0.03%
86088712102000	Cranes-D-50-Exhaust	0.00508	0.00051	0.01%	0.01%
86088712102020	Cranes-D-120-Exhaust	0.16515	0.01239	0.18%	0.26%
86088712102040	Cranes-D-175-Exhaust	0.45194	0.02492	0.49%	0.52%
86088712102050	Cranes-D-250-Exhaust	0.70327	0.03117	0.76%	0.65%
86088712102060	Cranes-D-500-Exhaust	0.84745	0.03325	0.92%	0.69%
86088712102070	Cranes-D-750-Exhaust	0.02543	0.00127	0.03%	0.03%
86088712102080	Cranes-D-9999-Exhaust	0.10857	0.00535	0.12%	0.11%
86088712102100	Crawler Tractors-D-50-Exhaust	0.01502	0.00174	0.02%	0.04%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712102110	Crawler Tractors-D-120-Exhaust	0.86343	0.07303	0.93%	1.52%
86088712102120	Crawler Tractors-D-175-Exhaust	0.87681	0.04872	0.95%	1.01%
86088712102130	Crawler Tractors-D-250-Exhaust	0.80750	0.03126	0.87%	0.65%
86088712102140	Crawler Tractors-D-500-Exhaust	2.30355	0.08794	2.49%	1.83%
86088712102150	Crawler Tractors-D-750-Exhaust	0.07105	0.00227	0.08%	0.05%
86088712102164	Crawler Tractors-D-9999-Exhaust	0.20136	0.00579	0.22%	0.12%
86088712102570	Excavators-D-25-Exhaust	0.00683	0.00026	0.01%	0.01%
86088712102580	Excavators-D-50-Exhaust	0.46504	0.03299	0.50%	0.69%
86088712102590	Excavators-D-120-Exhaust	0.62279	0.04409	0.67%	0.92%
86088712102600	Excavators-D-175-Exhaust	1.13299	0.05607	1.22%	1.17%
86088712102610	Excavators-D-250-Exhaust	1.29412	0.04128	1.40%	0.86%
86088712102620	Excavators-D-500-Exhaust	1.70670	0.05511	1.84%	1.15%
86088712102630	Excavators-D-750-Exhaust	0.04127	0.00124	0.04%	0.03%
86088712102634	Excavators-D-9999-Exhaust	0.07750	0.00197	0.08%	0.04%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712103700	Graders-D-50-Exhaust	0.00450	0.00059	0.00%	0.01%
86088712103710	Graders-D-120-Exhaust	0.16820	0.01410	0.18%	0.29%
86088712103720	Graders-D-175-Exhaust	1.38908	0.07817	1.50%	1.63%
86088712103730	Graders-D-250-Exhaust	1.96870	0.06623	2.13%	1.38%
86088712103740	Graders-D-500-Exhaust	0.09410	0.00315	0.10%	0.07%
86088712103754	Graders-D-9999-Exhaust	0.09012	0.00279	0.10%	0.06%
86088712104700	Off-Highway Tractors-D-120-Exhaust	0.52170	0.04356	0.56%	0.91%
86088712104710	Off-Highway Tractors-D-175-Exhaust	0.20147	0.01028	0.22%	0.21%
86088712104720	Off-Highway Tractors-D-250-Exhaust	0.22662	0.00765	0.24%	0.16%
86088712104730	Off-Highway Tractors-D-750-Exhaust	0.37360	0.01301	0.40%	0.27%
86088712104744	Off-Highway Tractors-D-9999-Exhaust	0.02737	0.00070	0.03%	0.01%
86088712104750	Off-Highway Trucks-D-175-Exhaust	0.49101	0.02859	0.53%	0.60%
86088712104760	Off-Highway Trucks-D-250-Exhaust	0.93764	0.04051	1.01%	0.84%
86088712104770	Off-Highway Trucks-D-500-Exhaust	3.37275	0.12632	3.64%	2.63%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712104780	Off-Highway Trucks-D-750-Exhaust	1.29616	0.05091	1.40%	1.06%
86088712104794	Off-Highway Trucks-D-9999-Exhaust	2.92643	0.08491	3.16%	1.77%
86088712105340	Other Construction Equipment-D-15-Exhaust	0.02236	0.00087	0.02%	0.02%
86088712105350	Other Construction Equipment-D-25-Exhaust	0.02186	0.00085	0.02%	0.02%
86088712105360	Other Construction Equipment-D-50-Exhaust	0.11992	0.01056	0.13%	0.22%
86088712105370	Other Construction Equipment-D-120-Exhaust	0.47083	0.03684	0.51%	0.77%
86088712105390	Other Construction Equipment-D-175-Exhaust	0.23375	0.01236	0.25%	0.26%
86088712105410	Other Construction Equipment-D-500-Exhaust	1.07154	0.03871	1.16%	0.81%
86088712105430	Other Construction Equipment-D-9999-Exhaust	0.19360	0.00590	0.21%	0.12%
86088712106100	Pavers-D-25-Exhaust	0.00187	0.00008	0.00%	0.00%
86088712106110	Pavers-D-50-Exhaust	0.01478	0.00147	0.02%	0.03%
86088712106120	Pavers-D-120-Exhaust	0.16227	0.01250	0.18%	0.26%
86088712106130	Pavers-D-175-Exhaust	0.17932	0.00895	0.19%	0.19%
86088712106140	Pavers-D-250-Exhaust	0.11598	0.00317	0.13%	0.07%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712106150	Pavers-D-500-Exhaust	0.01171	0.00040	0.01%	0.01%
86088712106152	Pavers-D-750-Exhaust	0.00289	0.00013	0.00%	0.00%
86088712106190	Paving Equipment-D-25-Exhaust	0.00276	0.00010	0.00%	0.00%
86088712106210	Paving Equipment-D-50-Exhaust	0.01619	0.00123	0.02%	0.03%
86088712106230	Paving Equipment-D-120-Exhaust	0.08541	0.00647	0.09%	0.13%
86088712106240	Paving Equipment-D-175-Exhaust	0.06684	0.00337	0.07%	0.07%
86088712106250	Paving Equipment-D-250-Exhaust	0.04788	0.00165	0.05%	0.03%
86088712106251	Paving Equipment-D-1000-Exhaust	0.05921	0.00187	0.06%	0.04%
86088712107640	Rollers-D-15-Exhaust	0.02574	0.00101	0.03%	0.02%
86088712107660	Rollers-D-25-Exhaust	0.03931	0.00151	0.04%	0.03%
86088712107680	Rollers-D-50-Exhaust	0.28485	0.02434	0.31%	0.51%
86088712107700	Rollers-D-120-Exhaust	0.52469	0.03802	0.57%	0.79%
86088712107710	Rollers-D-175-Exhaust	0.38988	0.01815	0.42%	0.38%
86088712107720	Rollers-D-250-Exhaust	0.07272	0.00260	0.08%	0.05%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712107730	Rollers-D-500-Exhaust	0.04310	0.00168	0.05%	0.04%
86088712107732	Rollers-D-750-Exhaust	0.02779	0.00094	0.03%	0.02%
86088712107750	Rough Terrain Forklifts-D-50-Exhaust	0.01397	0.00109	0.02%	0.02%
86088712107770	Rough Terrain Forklifts-D-120-Exhaust	0.74050	0.03675	0.80%	0.76%
86088712107790	Rough Terrain Forklifts-D-175-Exhaust	0.26696	0.01481	0.29%	0.31%
86088712107800	Rough Terrain Forklifts-D-250-Exhaust	0.00957	0.00023	0.01%	0.00%
86088712107810	Rough Terrain Forklifts-D-500-Exhaust	0.00585	0.00013	0.01%	0.00%
86088712107812	Rough Terrain Forklifts-D-750-Exhaust	0.00034	0.00000	0.00%	0.00%
86088712107820	Rubber Tired Dozers-D-175-Exhaust	0.22399	0.01699	0.24%	0.35%
86088712107830	Rubber Tired Dozers-D-250-Exhaust	0.10351	0.00509	0.11%	0.11%
86088712107840	Rubber Tired Dozers-D-500-Exhaust	1.00389	0.04567	1.08%	0.95%
86088712107850	Rubber Tired Dozers-D-750-Exhaust	0.03063	0.00121	0.03%	0.03%
86088712107864	Rubber Tired Loaders-D-9999-Exhaust	0.38617	0.01086	0.42%	0.23%
86088712107870	Rubber Tired Loaders-D-25-Exhaust	0.00182	0.00007	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712107890	Rubber Tired Loaders-D-50-Exhaust	0.04636	0.00493	0.05%	0.10%
86088712107910	Rubber Tired Loaders-D-120-Exhaust	1.32920	0.11289	1.44%	2.35%
86088712107920	Rubber Tired Loaders-D-175-Exhaust	2.60223	0.14500	2.81%	3.02%
86088712107930	Rubber Tired Loaders-D-250-Exhaust	3.44295	0.11884	3.72%	2.47%
86088712107940	Rubber Tired Loaders-D-500-Exhaust	4.04045	0.15216	4.37%	3.17%
86088712107950	Rubber Tired Loaders-D-750-Exhaust	0.32431	0.01253	0.35%	0.26%
86088712108020	Scrapers-D-120-Exhaust	0.06457	0.00503	0.07%	0.10%
86088712108030	Scrapers-D-175-Exhaust	0.62811	0.03384	0.68%	0.70%
86088712108040	Scrapers-D-250-Exhaust	0.81775	0.03677	0.88%	0.77%
86088712108050	Scrapers-D-500-Exhaust	6.70414	0.26251	7.24%	5.46%
86088712108060	Scrapers-D-750-Exhaust	0.27525	0.01167	0.30%	0.24%
86088712108064	Scrapers-D-9999-Exhaust	0.27637	0.01139	0.30%	0.24%
86088712108250	Skid Steer Loaders-D-25-Exhaust	0.18423	0.00852	0.20%	0.18%
86088712108270	Skid Steer Loaders-D-50-Exhaust	0.17339	0.00917	0.19%	0.19%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712108290	Skid Steer Loaders-D-120-Exhaust	0.78621	0.04190	0.85%	0.87%
86088712108292	Skid Steer Loaders-D-1000-Exhaust	0.04979	0.00284	0.05%	0.06%
86088712108600	Surfacing Equipment-D-50-Exhaust	0.00195	0.00014	0.00%	0.00%
86088712108610	Surfacing Equipment-D-120-Exhaust	0.01455	0.00097	0.02%	0.02%
86088712108620	Surfacing Equipment-D-175-Exhaust	0.01185	0.00065	0.01%	0.01%
86088712108630	Surfacing Equipment-D-250-Exhaust	0.01851	0.00056	0.02%	0.01%
86088712108640	Surfacing Equipment-D-500-Exhaust	0.04581	0.00146	0.05%	0.03%
86088712108650	Surfacing Equipment-D-750-Exhaust	0.01966	0.00068	0.02%	0.01%
86088712108654	Surfacing Equipment-D-9999-Exhaust	0.01276	0.00031	0.01%	0.01%
86088712109310	Tractors/Loaders/Backhoes-D-25-Exhaust	0.03400	0.00132	0.04%	0.03%
86088712109320	Tractors/Loaders/Backhoes-D-50-Exhaust	0.43602	0.03696	0.47%	0.77%
86088712109340	Tractors/Loaders/Backhoes-D-120-Exhaust	7.15021	0.53774	7.73%	11.19%
86088712109350	Tractors/Loaders/Backhoes-D-175-Exhaust	1.01443	0.05159	1.10%	1.07%
86088712109360	Tractors/Loaders/Backhoes-D-250-Exhaust	0.66530	0.02222	0.72%	0.46%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088712109361	Tractors/Loaders/Backhoes-D-9999-Exhaust	1.09830	0.03582	1.19%	0.75%
86088712109420	Trenchers-D-500-Exhaust	0.05738	0.00217	0.06%	0.05%
86088712109430	Trenchers-D-15-Exhaust	0.00380	0.00015	0.00%	0.00%
86088712109450	Trenchers-D-25-Exhaust	0.01595	0.00060	0.02%	0.01%
86088712109470	Trenchers-D-50-Exhaust	0.15258	0.01326	0.16%	0.28%
86088712109490	Trenchers-D-120-Exhaust	0.15800	0.01238	0.17%	0.26%
86088712109500	Trenchers-D-175-Exhaust	0.02976	0.00152	0.03%	0.03%
86088712109510	Trenchers-D-250-Exhaust	0.06168	0.00247	0.07%	0.05%
86088712109530	Trenchers-D-750-Exhaust	0.00604	0.00016	0.01%	0.00%
86088712109534	Trenchers-D-1000-Exhaust	0.00568	0.00026	0.01%	0.01%
86088912100070	A/C Tug Narrow Body-D-250-Exhaust	0.02601	0.00151	0.03%	0.03%
86088912100072	A/C Tug Narrow Body-D-750-Exhaust	0.00081	0.00004	0.00%	0.00%
86088912100090	A/C Tug Wide Body-D-500-Exhaust	0.02201	0.00081	0.02%	0.02%
86088912100092	A/C Tug Wide Body-D-750-Exhaust	0.00086	0.00002	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088912100720	Baggage Tug-D-120-Exhaust	0.03178	0.00254	0.03%	0.05%
86088912100722	Baggage Tug-D-250-Exhaust	0.00069	0.00002	0.00%	0.00%
86088912100790	Belt Loader-D-120-Exhaust	0.00939	0.00085	0.01%	0.02%
86088912100792	Belt Loader-D-750-Exhaust	0.00103	0.00005	0.00%	0.00%
86088912100990	Cargo Loader-D-120-Exhaust	0.00657	0.00037	0.01%	0.01%
86088912100992	Cargo Loader-D-750-Exhaust	0.01169	0.00059	0.01%	0.01%
86088912101010	Cargo Tractor-D-120-Exhaust	0.01927	0.00191	0.02%	0.04%
86088912101012	Cargo Tractor-D-500-Exhaust	0.01218	0.00057	0.01%	0.01%
86088912101090	Catering Truck-D-250-Exhaust	0.00069	0.00002	0.00%	0.00%
86088912102720	Forklift-D-175-Exhaust	0.00817	0.00060	0.01%	0.01%
86088912102722	Forklifts-D-500-Exhaust	0.00281	0.00010	0.00%	0.00%
86088912104180	Lift-D-120-Exhaust	0.00528	0.00040	0.01%	0.01%
86088912104182	Lift-D-500-Exhaust	0.00183	0.00008	0.00%	0.00%
86088912105660	Other GSE-D-175-Exhaust	0.03195	0.00208	0.03%	0.04%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	TPY NOx	TPY DPM	NOx Subtotal	DPM Subtotal
86088912105664	Other GSE-D-500-Exhaust	0.01788	0.00058	0.02%	0.01%
86090312101350	Commercial Turf Equipment-D-15-Exhaust	0.06695	0.00262	0.07%	0.05%
86090312101380	Commercial Turf Equipment-D-25-Exhaust	1.97409	0.07374	2.13%	1.53%
86090312104050	Lawn & Garden Tractors-D-15-Exhaust	1.30448	0.05303	1.41%	1.10%
86090312104070	Lawn & Garden Tractors-D-25-Exhaust	1.64185	0.06379	1.77%	1.33%
86090312105710	Other Lawn & Garden Equipment-D-15-Exhaust	0.00049	0.00002	0.00%	0.00%
86090312105730	Other Lawn & Garden Equipment-D-25-Exhaust	0.00010	0.00000	0.00%	0.00%
Subtotal		92.53911	4.80407	100.00%	100.00%

VIII. South Los Angeles Community

The main sources of air pollutant emissions identified in the published South Los Angeles AB 617 CERP were on-road vehicles, trains, off-road equipment, and industrial activities. DPM was the main air toxic pollutant, coming mostly from on-road and off-road mobile sources, with the major contributors being off-road equipment, heavy-duty trucks, trains, and buses. Based on the 2019 base year emission inventory developed for the South Los Angeles CERP, NOx emissions were dominated by on-road and off-road mobile sources, which accounted for 79 percent of the total emissions in 2019. Heavy-duty truck traffic and off-road equipment are the largest sources for NOx. It is estimated that vehicles subject to the Proposed Amendments contributed to 6 percent of NOx emissions and 23 percent of DPM emissions. Table 8 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 8. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the South Los Angeles Community (2019)²²

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612100160	Aerial Lifts-D-15-Exhaust	0.20449	0.00799	0.10%	0.08%
86088612100190	Aerial Lifts-D-25-Exhaust	0.38590	0.01683	0.20%	0.18%
86088612100210	Aerial Lifts-D-50-Exhaust	1.25171	0.01696	0.63%	0.18%
86088612100230	Aerial Lifts-D-120-Exhaust	1.55915	0.03828	0.79%	0.40%
86088612100240	Aerial Lifts-D-500-Exhaust	0.04982	0.00158	0.03%	0.02%
86088612102724	Forklifts-D-1000-Exhaust	0.01169	0.00010	0.01%	0.00%

²² From the community inventory used to develop the CERP.

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612102890	Forklifts-D-50-Exhaust	1.32905	0.10959	0.67%	1.14%
86088612102920	Forklifts-D-120-Exhaust	16.69769	1.29354	8.47%	13.49%
86088612102950	Forklifts-D-175-Exhaust	4.47307	0.24326	2.27%	2.54%
86088612102960	Forklifts-D-250-Exhaust	1.03656	0.04276	0.53%	0.45%
86088612102970	Forklifts-D-500-Exhaust	0.19609	0.00798	0.10%	0.08%
86088612105520	Other General Industrial Equipmen-D-15-Exhaust	0.12914	0.00504	0.07%	0.05%
86088612105540	Other General Industrial Equipmen-D-25-Exhaust	0.34032	0.01276	0.17%	0.13%
86088612105560	Other General Industrial Equipmen-D-50-Exhaust	2.82213	0.21942	1.43%	2.29%
86088612105580	Other General Industrial Equipmen-D-120-Exhaust	2.39041	0.18227	1.21%	1.90%
86088612105600	Other General Industrial Equipmen-D-175-Exhaust	0.73200	0.03819	0.37%	0.40%
86088612105610	Other General Industrial Equipmen-D-250-Exhaust	0.67058	0.02349	0.34%	0.25%
86088612105620	Other General Industrial Equipmen-D-500-Exhaust	1.76850	0.06340	0.90%	0.66%
86088612105630	Other General Industrial Equipmen-D-750-Exhaust	0.52481	0.01880	0.27%	0.20%
86088612105640	Other General Industrial Equipmen-D-1000-Exhaust	0.12294	0.00298	0.06%	0.03%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612105644	Other General Industrial Equipmen-D-9999-Exhaust	0.08762	0.00250	0.04%	0.03%
86088612105810	Other Material Handling Equipment-D-50-Exhaust	0.14287	0.01247	0.07%	0.13%
86088612105830	Other Material Handling Equipment-D-120-Exhaust	1.31185	0.08489	0.67%	0.89%
86088612105840	Other Material Handling Equipment-D-175-Exhaust	0.56861	0.02845	0.29%	0.30%
86088612105850	Other Material Handling Equipment-D-250-Exhaust	0.93240	0.03007	0.47%	0.31%
86088612105860	Other Material Handling Equipment-D-500-Exhaust	1.96110	0.07432	0.99%	0.78%
86088612105890	OTHER MATERIAL HANDLING EQUIPMENT-D-9999-EXHAUST	0.32287	0.01042	0.16%	0.11%
86088712102000	Cranes-D-50-Exhaust	0.01307	0.00135	0.01%	0.01%
86088712102020	Cranes-D-120-Exhaust	0.40191	0.02891	0.20%	0.30%
86088712102040	Cranes-D-175-Exhaust	0.89732	0.04793	0.46%	0.50%
86088712102050	Cranes-D-250-Exhaust	1.30006	0.05511	0.66%	0.57%
86088712102060	Cranes-D-500-Exhaust	1.68643	0.06792	0.86%	0.71%
86088712102070	Cranes-D-750-Exhaust	0.35532	0.01283	0.18%	0.13%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712102080	Cranes-D-9999-Exhaust	0.22717	0.01082	0.12%	0.11%
86088712102100	Crawler Tractors-D-50-Exhaust	0.03934	0.00430	0.02%	0.04%
86088712102110	Crawler Tractors-D-120-Exhaust	2.05914	0.17220	1.04%	1.80%
86088712102120	Crawler Tractors-D-175-Exhaust	1.90603	0.10611	0.97%	1.11%
86088712102130	Crawler Tractors-D-250-Exhaust	1.77093	0.06678	0.90%	0.70%
86088712102140	Crawler Tractors-D-500-Exhaust	3.73841	0.14524	1.90%	1.52%
86088712102150	Crawler Tractors-D-750-Exhaust	1.24253	0.04573	0.63%	0.48%
86088712102160	Crawler Tractors-D-1000-Exhaust	0.35329	0.01032	0.18%	0.11%
86088712102164	Crawler Tractors-D-9999-Exhaust	0.15913	0.00416	0.08%	0.04%
86088712102460	Dumpers/Tenders-D-25-Exhaust	0.00697	0.00027	0.00%	0.00%
86088712102570	Excavators-D-25-Exhaust	0.04982	0.00186	0.03%	0.02%
86088712102580	Excavators-D-50-Exhaust	1.10855	0.06609	0.56%	0.69%
86088712102590	Excavators-D-120-Exhaust	1.29966	0.08129	0.66%	0.85%
86088712102600	Excavators-D-175-Exhaust	2.03573	0.09817	1.03%	1.02%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712102610	Excavators-D-250-Exhaust	2.29062	0.06944	1.16%	0.72%
86088712102620	Excavators-D-500-Exhaust	3.02963	0.09838	1.54%	1.03%
86088712102630	Excavators-D-750-Exhaust	0.30784	0.01040	0.16%	0.11%
86088712102634	Excavators-D-9999-Exhaust	0.16503	0.00308	0.08%	0.03%
86088712103700	Graders-D-50-Exhaust	0.01106	0.00137	0.01%	0.01%
86088712103710	Graders-D-120-Exhaust	0.42882	0.03496	0.22%	0.36%
86088712103720	Graders-D-175-Exhaust	2.86691	0.16043	1.45%	1.67%
86088712103730	Graders-D-250-Exhaust	4.07065	0.13064	2.06%	1.36%
86088712103740	Graders-D-500-Exhaust	0.77505	0.02996	0.39%	0.31%
86088712103754	Graders-D-9999-Exhaust	0.24134	0.00754	0.12%	0.08%
86088712104700	Off-Highway Tractors-D-120-Exhaust	1.20067	0.09091	0.61%	0.95%
86088712104710	Off-Highway Tractors-D-175-Exhaust	0.42376	0.02095	0.21%	0.22%
86088712104720	Off-Highway Tractors-D-250-Exhaust	0.32451	0.01087	0.16%	0.11%
86088712104730	Off-Highway Tractors-D-750-Exhaust	0.74177	0.02606	0.38%	0.27%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712104740	Off-Highway Tractors-D-1000-Exhaust	0.00531	0.00014	0.00%	0.00%
86088712104744	Off-Highway Tractors-D-9999-Exhaust	0.06809	0.00178	0.03%	0.02%
86088712104750	Off-Highway Trucks-D-175-Exhaust	0.89936	0.05015	0.46%	0.52%
86088712104760	Off-Highway Trucks-D-250-Exhaust	1.70183	0.06783	0.86%	0.71%
86088712104770	Off-Highway Trucks-D-500-Exhaust	6.37207	0.23172	3.23%	2.42%
86088712104780	Off-Highway Trucks-D-750-Exhaust	2.84026	0.11002	1.44%	1.15%
86088712104790	Off-Highway Trucks-D-1000-Exhaust	2.84485	0.07412	1.44%	0.77%
86088712104794	Off-Highway Trucks-D-9999-Exhaust	3.49862	0.08979	1.77%	0.94%
86088712105340	Other Construction Equipment-D-15-Exhaust	0.11953	0.00467	0.06%	0.05%
86088712105350	Other Construction Equipment-D-25-Exhaust	0.02584	0.00096	0.01%	0.01%
86088712105360	Other Construction Equipment-D-50-Exhaust	0.30575	0.02570	0.16%	0.27%
86088712105370	Other Construction Equipment-D-120-Exhaust	1.04160	0.07818	0.53%	0.82%
86088712105390	Other Construction Equipment-D-175-Exhaust	0.49950	0.02630	0.25%	0.27%
86088712105410	Other Construction Equipment-D-500-Exhaust	1.94074	0.07035	0.98%	0.73%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712105430	Other Construction Equipment-D-9999-Exhaust	0.66611	0.02072	0.34%	0.22%
86088712106100	Pavers-D-25-Exhaust	0.01487	0.00058	0.01%	0.01%
86088712106110	Pavers-D-50-Exhaust	0.04022	0.00357	0.02%	0.04%
86088712106120	Pavers-D-120-Exhaust	0.41489	0.03069	0.21%	0.32%
86088712106130	Pavers-D-175-Exhaust	0.38939	0.01907	0.20%	0.20%
86088712106140	Pavers-D-250-Exhaust	0.25121	0.00680	0.13%	0.07%
86088712106150	Pavers-D-500-Exhaust	0.07006	0.00250	0.04%	0.03%
86088712106152	Pavers-D-750-Exhaust	0.00424	0.00018	0.00%	0.00%
86088712106190	Paving Equipment-D-25-Exhaust	0.02528	0.00094	0.01%	0.01%
86088712106210	Paving Equipment-D-50-Exhaust	0.04369	0.00278	0.02%	0.03%
86088712106230	Paving Equipment-D-120-Exhaust	0.20807	0.01446	0.11%	0.15%
86088712106240	Paving Equipment-D-175-Exhaust	0.13137	0.00652	0.07%	0.07%
86088712106250	Paving Equipment-D-250-Exhaust	0.24851	0.00812	0.13%	0.08%
86088712106251	Paving Equipment-D-1000-Exhaust	0.00768	0.00012	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712107640	Rollers-D-15-Exhaust	0.17028	0.00666	0.09%	0.07%
86088712107660	Rollers-D-25-Exhaust	0.15708	0.00586	0.08%	0.06%
86088712107680	Rollers-D-50-Exhaust	0.68969	0.05186	0.35%	0.54%
86088712107700	Rollers-D-120-Exhaust	1.07606	0.07074	0.55%	0.74%
86088712107710	Rollers-D-175-Exhaust	0.72159	0.03313	0.37%	0.35%
86088712107720	Rollers-D-250-Exhaust	0.12135	0.00386	0.06%	0.04%
86088712107730	Rollers-D-500-Exhaust	0.07649	0.00292	0.04%	0.03%
86088712107732	Rollers-D-750-Exhaust	0.00091	0.00001	0.00%	0.00%
86088712107750	Rough Terrain Forklifts-D-50-Exhaust	0.03449	0.00248	0.02%	0.03%
86088712107770	Rough Terrain Forklifts-D-120-Exhaust	1.77528	0.07910	0.90%	0.83%
86088712107790	Rough Terrain Forklifts-D-175-Exhaust	0.25672	0.00940	0.13%	0.10%
86088712107800	Rough Terrain Forklifts-D-250-Exhaust	0.01677	0.00037	0.01%	0.00%
86088712107810	Rough Terrain Forklifts-D-500-Exhaust	0.00860	0.00019	0.00%	0.00%
86088712107812	Rough Terrain Forklifts-D-750-Exhaust	0.00090	0.00001	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712107820	Rubber Tired Dozers-D-175-Exhaust	0.50664	0.03727	0.26%	0.39%
86088712107830	Rubber Tired Dozers-D-250-Exhaust	0.20819	0.01015	0.11%	0.11%
86088712107840	Rubber Tired Dozers-D-500-Exhaust	2.09490	0.09644	1.06%	1.01%
86088712107850	Rubber Tired Dozers-D-750-Exhaust	0.24877	0.00886	0.13%	0.09%
86088712107864	Rubber Tired Loaders-D-9999-Exhaust	0.87289	0.02237	0.44%	0.23%
86088712107870	Rubber Tired Loaders-D-25-Exhaust	0.00812	0.00030	0.00%	0.00%
86088712107890	Rubber Tired Loaders-D-50-Exhaust	0.11235	0.01071	0.06%	0.11%
86088712107910	Rubber Tired Loaders-D-120-Exhaust	2.83539	0.22768	1.44%	2.38%
86088712107920	Rubber Tired Loaders-D-175-Exhaust	5.13307	0.28372	2.60%	2.96%
86088712107930	Rubber Tired Loaders-D-250-Exhaust	6.88389	0.23081	3.49%	2.41%
86088712107940	Rubber Tired Loaders-D-500-Exhaust	7.91007	0.29527	4.01%	3.08%
86088712107950	Rubber Tired Loaders-D-750-Exhaust	1.31398	0.05155	0.67%	0.54%
86088712108020	Scrapers-D-120-Exhaust	0.16361	0.01276	0.08%	0.13%
86088712108030	Scrapers-D-175-Exhaust	1.31638	0.07085	0.67%	0.74%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712108040	Scrapers-D-250-Exhaust	1.71176	0.07535	0.87%	0.79%
86088712108050	Scrapers-D-500-Exhaust	10.59925	0.41531	5.38%	4.33%
86088712108060	Scrapers-D-750-Exhaust	4.00457	0.14377	2.03%	1.50%
86088712108064	Scrapers-D-9999-Exhaust	0.74359	0.03093	0.38%	0.32%
86088712108250	Skid Steer Loaders-D-25-Exhaust	2.62855	0.10484	1.33%	1.09%
86088712108270	Skid Steer Loaders-D-50-Exhaust	0.41992	0.01720	0.21%	0.18%
86088712108290	Skid Steer Loaders-D-120-Exhaust	1.76386	0.08081	0.89%	0.84%
86088712108292	Skid Steer Loaders-D-1000-Exhaust	0.02407	0.00089	0.01%	0.01%
86088712108600	Surfacing Equipment-D-50-Exhaust	0.00451	0.00026	0.00%	0.00%
86088712108610	Surfacing Equipment-D-120-Exhaust	0.03463	0.00204	0.02%	0.02%
86088712108620	Surfacing Equipment-D-175-Exhaust	0.01991	0.00096	0.01%	0.01%
86088712108630	Surfacing Equipment-D-250-Exhaust	0.03351	0.00099	0.02%	0.01%
86088712108640	Surfacing Equipment-D-500-Exhaust	0.06010	0.00215	0.03%	0.02%
86088712108650	Surfacing Equipment-D-750-Exhaust	0.06351	0.00222	0.03%	0.02%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712108654	Surfacing Equipment-D-9999-Exhaust	0.03408	0.00084	0.02%	0.01%
86088712109310	Tractors/Loaders/Backhoes-D-25-Exhaust	0.23777	0.00903	0.12%	0.09%
86088712109320	Tractors/Loaders/Backhoes-D-50-Exhaust	1.04470	0.07481	0.53%	0.78%
86088712109340	Tractors/Loaders/Backhoes-D-120-Exhaust	14.58319	0.97356	7.40%	10.16%
86088712109350	Tractors/Loaders/Backhoes-D-175-Exhaust	1.93397	0.09732	0.98%	1.02%
86088712109360	Tractors/Loaders/Backhoes-D-250-Exhaust	1.26346	0.04094	0.64%	0.43%
86088712109361	Tractors/Loaders/Backhoes-D-9999-Exhaust	2.21715	0.06882	1.12%	0.72%
86088712109420	Trenchers-D-500-Exhaust	0.13429	0.00507	0.07%	0.05%
86088712109430	Trenchers-D-15-Exhaust	0.06748	0.00264	0.03%	0.03%
86088712109450	Trenchers-D-25-Exhaust	0.23237	0.00866	0.12%	0.09%
86088712109470	Trenchers-D-50-Exhaust	0.37533	0.02955	0.19%	0.31%
86088712109490	Trenchers-D-120-Exhaust	0.35914	0.02715	0.18%	0.28%
86088712109500	Trenchers-D-175-Exhaust	0.06487	0.00333	0.03%	0.03%
86088712109510	Trenchers-D-250-Exhaust	0.12792	0.00515	0.06%	0.05%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712109530	Trenchers-D-750-Exhaust	0.01359	0.00029	0.01%	0.00%
86088712109534	Trenchers-D-1000-Exhaust	0.01516	0.00070	0.01%	0.01%
86088912100070	A/C Tug Narrow Body-D-250-Exhaust	0.00019	0.00001	0.00%	0.00%
86088912100072	A/C Tug Narrow Body-D-750-Exhaust	0.00002	0.00000	0.00%	0.00%
86088912100090	A/C Tug Wide Body-D-500-Exhaust	0.00018	0.00001	0.00%	0.00%
86088912100092	A/C Tug Wide Body-D-750-Exhaust	0.00001	0.00000	0.00%	0.00%
86088912100720	Baggage Tug-D-120-Exhaust	0.00021	0.00002	0.00%	0.00%
86088912100722	Baggage Tug-D-250-Exhaust	0.00001	0.00000	0.00%	0.00%
86088912100790	Belt Loader-D-120-Exhaust	0.00009	0.00001	0.00%	0.00%
86088912100792	Belt Loader-D-750-Exhaust	0.00001	0.00000	0.00%	0.00%
86088912100990	Cargo Loader-D-120-Exhaust	0.00007	0.00000	0.00%	0.00%
86088912100992	Cargo Loader-D-750-Exhaust	0.00004	0.00000	0.00%	0.00%
86088912101010	Cargo Tractor-D-120-Exhaust	0.00016	0.00002	0.00%	0.00%
86088912101012	Cargo Tractor-D-500-Exhaust	0.00008	0.00000	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088912102720	Forklift-D-175-Exhaust	0.00007	0.00001	0.00%	0.00%
86088912102722	Forklifts-D-500-Exhaust	0.00002	0.00000	0.00%	0.00%
86088912103020	Fuel Truck-D-250-Exhaust	0.00001	0.00000	0.00%	0.00%
86088912104030	Lav Truck-D-175-Exhaust	0.00001	0.00000	0.00%	0.00%
86088912104180	Lift-D-120-Exhaust	0.00004	0.00000	0.00%	0.00%
86088912104182	Lift-D-500-Exhaust	0.00001	0.00000	0.00%	0.00%
86088912105660	Other GSE-D-175-Exhaust	0.00022	0.00001	0.00%	0.00%
86088912105664	Other GSE-D-500-Exhaust	0.00014	0.00000	0.00%	0.00%
86089112102340	Drill Rig-D-120-Exhaust	0.01161	0.00009	0.01%	0.00%
86089112102350	Drill Rig-D-175-Exhaust	0.00437	0.00013	0.00%	0.00%
86089112102360	Drill Rig-D-250-Exhaust	0.00404	0.00013	0.00%	0.00%
86089112102370	Drill Rig-D-500-Exhaust	0.02015	0.00088	0.01%	0.01%
86089112102380	Drill Rig-D-750-Exhaust	0.00797	0.00022	0.00%	0.00%
86089112102390	Drill Rig-D-1000-Exhaust	0.70997	0.00775	0.36%	0.08%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86089112102391	DRILL RIG (MOBILE)-D-50-EXHAUST	0.00618	0.00041	0.00%	0.00%
86089112102392	DRILL RIG (MOBILE)-D-120-EXHAUST	0.03161	0.00235	0.02%	0.02%
86089112102393	DRILL RIG (MOBILE)-D-175-EXHAUST	0.07050	0.00359	0.04%	0.04%
86089112102394	DRILL RIG (MOBILE)-D-250-EXHAUST	0.10541	0.00304	0.05%	0.03%
86089112102395	DRILL RIG (MOBILE)-D-500-EXHAUST	0.15406	0.00428	0.08%	0.04%
86089112102396	DRILL RIG (MOBILE)-D-750-EXHAUST	0.06075	0.00207	0.03%	0.02%
86089112102397	DRILL RIG (MOBILE)-D-1000-EXHAUST	0.03834	0.00055	0.02%	0.01%
86089112102399	WORKOVER RIG (MOBILE)-D-120-EXHAUST	0.00014	0.00000	0.00%	0.00%
86089112102400	WORKOVER RIG (MOBILE)-D-175-EXHAUST	0.00220	0.00014	0.00%	0.00%
86089112102401	WORKOVER RIG (MOBILE)-D-250-EXHAUST	0.02556	0.00055	0.01%	0.01%
86089112102402	WORKOVER RIG (MOBILE)-D-500-EXHAUST	1.42643	0.04678	0.72%	0.49%
86089112102403	WORKOVER RIG (MOBILE)-D-750-EXHAUST	0.15997	0.00607	0.08%	0.06%
86089212101790	Crane-D-120-Exhaust	0.00000	0.00000	0.00%	0.00%
86089212101800	Crane-D-175-Exhaust	0.00000	0.00000	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86089212101810	Crane-D-250-Exhaust	0.00000	0.00000	0.00%	0.00%
86089212102290	Deicer-D-120-Exhaust	0.00000	0.00000	0.00%	0.00%
86089212104260	Lift (Military)-D-120-Exhaust	0.00000	0.00000	0.00%	0.00%
86089212104270	Light-D-50-Exhaust	0.00000	0.00000	0.00%	0.00%
86089612109210	Tractor/Loader/Backhoe (Port) CHE-9999-Exhaust	0.00000	0.00000	0.00%	0.00%
86090312101350	Commercial Turf Equipment-D-15-Exhaust	0.28054	0.01096	0.14%	0.11%
86090312101380	Commercial Turf Equipment-D-25-Exhaust	8.27175	0.30908	4.20%	3.22%
86090312104050	Lawn & Garden Tractors-D-15-Exhaust	0.53925	0.02123	0.27%	0.22%
86090312104070	Lawn & Garden Tractors-D-25-Exhaust	1.46189	0.05508	0.74%	0.57%
Subtotal		197.15584	9.58590	100.00%	100.00%

IX. Southeast Los Angeles Community

The main sources of air pollution identified in the published Southeast Los Angeles AB 617 CERP were on-road vehicles, trains, off-road equipment, and industrial activities. DPM was the main air toxic pollutant, coming mostly from on-road and off-road mobile sources, with the major contributors being heavy-heavy duty trucks, medium-heavy duty trucks, off-road diesel equipment, and trains. The two main sources of off-road DPM were diesel off-road equipment and trains. In this community, the largest category of off-road equipment was construction equipment, followed by industrial and commercial equipment, and TRU. Based on the 2018 base year emission inventory developed for the Southeast Los Angeles CERP, NOx emissions were dominated by on-road and off-road mobile sources, which account for 75 percent of the total emissions. Heavy-duty truck traffic, trains, and off-road equipment are the largest sources for NOx. It is estimated that vehicles subject to the Proposed Amendments contributed to 6 percent of NOx emissions and 24 percent of DPM emissions. Table 9 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 9. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the Southeast Los Angeles Community (2019)²³

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612100160	Aerial Lifts-D-15-Exhaust	0.23900	0.15%	22	0.13%
86088612100190	Aerial Lifts-D-25-Exhaust	0.53200	0.33%	50	0.29%
86088612100210	Aerial Lifts-D-50-Exhaust	1.65600	1.02%	58	0.34%
86088612100230	Aerial Lifts-D-120-Exhaust	2.06300	1.27%	116	0.68%
86088612100240	Aerial Lifts-D-500-Exhaust	0.08900	0.05%	12	0.07%

²³ From the community inventory used to develop the CERP.

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612102724	Forklifts-D-1000-Exhaust	0.10500	0.06%	12	0.07%
86088612102890	Forklifts-D-50-Exhaust	1.75100	1.08%	312	1.82%
86088612102920	Forklifts-D-120-Exhaust	23.32100	14.32%	3722	21.77%
86088612102950	Forklifts-D-175-Exhaust	6.49800	3.99%	710	4.15%
86088612102960	Forklifts-D-250-Exhaust	1.53000	0.94%	130	0.76%
86088612102970	Forklifts-D-500-Exhaust	0.27600	0.17%	26	0.15%
86088612105520	Other General Industrial Equipmen-D-15-Exhaust	0.22100	0.14%	20	0.12%
86088612105540	Other General Industrial Equipmen-D-25-Exhaust	0.73300	0.45%	58	0.34%
86088612105560	Other General Industrial Equipmen-D-50-Exhaust	3.70500	2.28%	618	3.61%
86088612105580	Other General Industrial Equipmen-D-120-Exhaust	3.34000	2.05%	528	3.09%
86088612105600	Other General Industrial Equipmen-D-175-Exhaust	1.00400	0.62%	108	0.63%
86088612105610	Other General Industrial Equipmen-D-250-Exhaust	1.02900	0.63%	78	0.46%
86088612105620	Other General Industrial Equipmen-D-500-Exhaust	2.53100	1.55%	180	1.05%
86088612105630	Other General Industrial Equipmen-D-750-Exhaust	0.76300	0.47%	54	0.32%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612105640	Other General Industrial Equipmen-D-1000-Exhaust	0.15900	0.10%	12	0.07%
86088612105644	Other General Industrial Equipmen-D-9999-Exhaust	0.11400	0.07%	8	0.05%
86088612105810	Other Material Handling Equipment-D-50-Exhaust	0.18500	0.11%	34	0.20%
86088612105830	Other Material Handling Equipment-D-120-Exhaust	1.84100	1.13%	254	1.49%
86088612105840	Other Material Handling Equipment-D-175-Exhaust	0.86800	0.53%	92	0.54%
86088612105850	Other Material Handling Equipment-D-250-Exhaust	1.27000	0.78%	84	0.49%
86088612105860	Other Material Handling Equipment-D-500-Exhaust	2.60000	1.60%	200	1.17%
86088612105890	OTHER MATERIAL HANDLING EQUIPMENT-D-9999-EXHAUST	0.41000	0.25%	30	0.18%
86088712102000	Cranes-D-50-Exhaust	0.00900	0.01%	10	0.06%
86088712102020	Cranes-D-120-Exhaust	0.27500	0.17%	40	0.23%
86088712102040	Cranes-D-175-Exhaust	0.59300	0.36%	62	0.36%
86088712102050	Cranes-D-250-Exhaust	0.88600	0.54%	78	0.46%
86088712102060	Cranes-D-500-Exhaust	1.09200	0.67%	88	0.51%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712102070	Cranes-D-750-Exhaust	0.23400	0.14%	16	0.09%
86088712102080	Cranes-D-9999-Exhaust	0.15400	0.09%	14	0.08%
86088712102100	Crawler Tractors-D-50-Exhaust	0.02500	0.02%	6	0.04%
86088712102110	Crawler Tractors-D-120-Exhaust	1.30100	0.80%	218	1.27%
86088712102120	Crawler Tractors-D-175-Exhaust	1.24600	0.77%	138	0.81%
86088712102130	Crawler Tractors-D-250-Exhaust	1.13200	0.70%	84	0.49%
86088712102140	Crawler Tractors-D-500-Exhaust	2.49600	1.53%	194	1.13%
86088712102150	Crawler Tractors-D-750-Exhaust	0.85600	0.53%	62	0.36%
86088712102160	Crawler Tractors-D-1000-Exhaust	0.22200	0.14%	12	0.07%
86088712102164	Crawler Tractors-D-9999-Exhaust	0.10000	0.06%	6	0.04%
86088712102460	Dumpers/Tenders-D-25-Exhaust	0.00500	0.00%	0	0.00%
86088712102570	Excavators-D-25-Exhaust	0.03000	0.02%	4	0.02%
86088712102580	Excavators-D-50-Exhaust	0.69700	0.43%	90	0.53%
86088712102590	Excavators-D-120-Exhaust	0.87200	0.54%	116	0.68%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712102600	Excavators-D-175-Exhaust	1.41100	0.87%	136	0.80%
86088712102610	Excavators-D-250-Exhaust	1.59100	0.98%	96	0.56%
86088712102620	Excavators-D-500-Exhaust	2.09600	1.29%	134	0.78%
86088712102630	Excavators-D-750-Exhaust	0.21000	0.13%	12	0.07%
86088712102634	Excavators-D-9999-Exhaust	0.10200	0.06%	4	0.02%
86088712103700	Graders-D-50-Exhaust	0.00800	0.00%	10	0.06%
86088712103710	Graders-D-120-Exhaust	0.26900	0.17%	44	0.26%
86088712103720	Graders-D-175-Exhaust	1.89000	1.16%	212	1.24%
86088712103730	Graders-D-250-Exhaust	2.64800	1.63%	172	1.01%
86088712103740	Graders-D-500-Exhaust	0.48400	0.30%	36	0.21%
86088712103754	Graders-D-9999-Exhaust	0.14400	0.09%	10	0.06%
86088712104700	Off-Highway Tractors-D-120-Exhaust	0.76900	0.47%	122	0.71%
86088712104710	Off-Highway Tractors-D-175-Exhaust	0.27700	0.17%	28	0.16%
86088712104720	Off-Highway Tractors-D-250-Exhaust	0.23100	0.14%	14	0.08%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712104730	Off-Highway Tractors-D-750-Exhaust	0.50400	0.31%	36	0.21%
86088712104740	Off-Highway Tractors-D-1000-Exhaust	0.00300	0.00%	0	0.00%
86088712104744	Off-Highway Tractors-D-9999-Exhaust	0.04100	0.03%	4	0.02%
86088712104750	Off-Highway Trucks-D-175-Exhaust	0.66400	0.41%	76	0.44%
86088712104760	Off-Highway Trucks-D-250-Exhaust	1.18100	0.73%	96	0.56%
86088712104770	Off-Highway Trucks-D-500-Exhaust	4.43100	2.72%	324	1.89%
86088712104780	Off-Highway Trucks-D-750-Exhaust	1.89600	1.16%	146	0.85%
86088712104790	Off-Highway Trucks-D-1000-Exhaust	1.74200	1.07%	90	0.53%
86088712104794	Off-Highway Trucks-D-9999-Exhaust	2.25700	1.39%	122	0.71%
86088712105340	Other Construction Equipment-D-15-Exhaust	0.07800	0.05%	6	0.04%
86088712105350	Other Construction Equipment-D-25-Exhaust	0.01800	0.01%	0	0.00%
86088712105360	Other Construction Equipment-D-50-Exhaust	0.18500	0.11%	32	0.19%
86088712105370	Other Construction Equipment-D-120-Exhaust	0.67400	0.41%	104	0.61%
86088712105390	Other Construction Equipment-D-175-Exhaust	0.32200	0.20%	36	0.21%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712105410	Other Construction Equipment-D-500-Exhaust	1.28200	0.79%	92	0.54%
86088712105430	Other Construction Equipment-D-9999-Exhaust	0.43600	0.27%	26	0.15%
86088712106100	Pavers-D-25-Exhaust	0.00900	0.01%	0	0.00%
86088712106110	Pavers-D-50-Exhaust	0.02200	0.01%	4	0.02%
86088712106120	Pavers-D-120-Exhaust	0.23600	0.14%	36	0.21%
86088712106130	Pavers-D-175-Exhaust	0.23800	0.15%	24	0.14%
86088712106140	Pavers-D-250-Exhaust	0.14900	0.09%	8	0.05%
86088712106150	Pavers-D-500-Exhaust	0.03800	0.02%	2	0.01%
86088712106152	Pavers-D-750-Exhaust	0.00500	0.00%	0	0.00%
86088712106190	Paving Equipment-D-25-Exhaust	0.01100	0.01%	0	0.00%
86088712106210	Paving Equipment-D-50-Exhaust	0.02400	0.01%	4	0.02%
86088712106230	Paving Equipment-D-120-Exhaust	0.11600	0.07%	16	0.09%
86088712106240	Paving Equipment-D-175-Exhaust	0.08200	0.05%	10	0.06%
86088712106250	Paving Equipment-D-250-Exhaust	0.14000	0.09%	10	0.06%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712106251	Paving Equipment-D-1000-Exhaust	0.00500	0.00%	0	0.00%
86088712107640	Rollers-D-15-Exhaust	0.09000	0.06%	8	0.05%
86088712107660	Rollers-D-25-Exhaust	0.08400	0.05%	6	0.04%
86088712107680	Rollers-D-50-Exhaust	0.43200	0.27%	70	0.41%
86088712107700	Rollers-D-120-Exhaust	0.71900	0.44%	98	0.57%
86088712107710	Rollers-D-175-Exhaust	0.51000	0.31%	48	0.28%
86088712107720	Rollers-D-250-Exhaust	0.07600	0.05%	6	0.04%
86088712107730	Rollers-D-500-Exhaust	0.04900	0.03%	2	0.01%
86088712107732	Rollers-D-750-Exhaust	0.00000	0.00%	0	0.00%
86088712107750	Rough Terrain Forklifts-D-50-Exhaust	0.02100	0.01%	2	0.01%
86088712107770	Rough Terrain Forklifts-D-120-Exhaust	1.15700	0.71%	110	0.64%
86088712107790	Rough Terrain Forklifts-D-175-Exhaust	0.17500	0.11%	12	0.07%
86088712107800	Rough Terrain Forklifts-D-250-Exhaust	0.01600	0.01%	0	0.00%
86088712107810	Rough Terrain Forklifts-D-500-Exhaust	0.00800	0.00%	0	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712107820	Rubber Tired Dozers-D-175-Exhaust	0.32000	0.20%	48	0.28%
86088712107830	Rubber Tired Dozers-D-250-Exhaust	0.13000	0.08%	12	0.07%
86088712107840	Rubber Tired Dozers-D-500-Exhaust	1.33200	0.82%	122	0.71%
86088712107850	Rubber Tired Dozers-D-750-Exhaust	0.16400	0.10%	12	0.07%
86088712107864	Rubber Tired Loaders-D-9999-Exhaust	0.54000	0.33%	28	0.16%
86088712107870	Rubber Tired Loaders-D-25-Exhaust	0.00900	0.01%	0	0.00%
86088712107890	Rubber Tired Loaders-D-50-Exhaust	0.07100	0.04%	14	0.08%
86088712107910	Rubber Tired Loaders-D-120-Exhaust	1.86100	1.14%	306	1.79%
86088712107920	Rubber Tired Loaders-D-175-Exhaust	3.48900	2.14%	386	2.26%
86088712107930	Rubber Tired Loaders-D-250-Exhaust	4.56200	2.80%	310	1.81%
86088712107940	Rubber Tired Loaders-D-500-Exhaust	5.38400	3.31%	402	2.35%
86088712107950	Rubber Tired Loaders-D-750-Exhaust	0.92700	0.57%	74	0.43%
86088712108020	Scrapers-D-120-Exhaust	0.10200	0.06%	14	0.08%
86088712108030	Scrapers-D-175-Exhaust	0.84700	0.52%	90	0.53%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712108040	Scrapers-D-250-Exhaust	1.15800	0.71%	102	0.60%
86088712108050	Scrapers-D-500-Exhaust	6.99600	4.30%	552	3.23%
86088712108060	Scrapers-D-750-Exhaust	2.62600	1.61%	190	1.11%
86088712108064	Scrapers-D-9999-Exhaust	0.44400	0.27%	36	0.21%
86088712108250	Skid Steer Loaders-D-25-Exhaust	0.81100	0.50%	72	0.42%
86088712108270	Skid Steer Loaders-D-50-Exhaust	0.26100	0.16%	24	0.14%
86088712108290	Skid Steer Loaders-D-120-Exhaust	1.14100	0.70%	110	0.64%
86088712108292	Skid Steer Loaders-D-1000-Exhaust	0.01700	0.01%	0	0.00%
86088712108600	Surfacing Equipment-D-50-Exhaust	0.00400	0.00%	0	0.00%
86088712108610	Surfacing Equipment-D-120-Exhaust	0.02300	0.01%	2	0.01%
86088712108620	Surfacing Equipment-D-175-Exhaust	0.01300	0.01%	0	0.00%
86088712108630	Surfacing Equipment-D-250-Exhaust	0.02400	0.01%	0	0.00%
86088712108640	Surfacing Equipment-D-500-Exhaust	0.04200	0.03%	2	0.01%
86088712108650	Surfacing Equipment-D-750-Exhaust	0.04000	0.02%	2	0.01%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712108654	Surfacing Equipment-D-9999-Exhaust	0.02000	0.01%	0	0.00%
86088712109310	Tractors/Loaders/Backhoes-D-25-Exhaust	0.15000	0.09%	14	0.08%
86088712109320	Tractors/Loaders/Backhoes-D-50-Exhaust	0.64900	0.40%	98	0.57%
86088712109340	Tractors/Loaders/Backhoes-D-120-Exhaust	9.85300	6.05%	1396	8.16%
86088712109350	Tractors/Loaders/Backhoes-D-175-Exhaust	1.32200	0.81%	132	0.77%
86088712109360	Tractors/Loaders/Backhoes-D-250-Exhaust	0.83400	0.51%	54	0.32%
86088712109361	Tractors/Loaders/Backhoes-D-9999-Exhaust	1.47800	0.91%	92	0.54%
86088712109420	Trenchers-D-500-Exhaust	0.08300	0.05%	6	0.04%
86088712109430	Trenchers-D-15-Exhaust	0.01300	0.01%	0	0.00%
86088712109450	Trenchers-D-25-Exhaust	0.05700	0.04%	4	0.02%
86088712109470	Trenchers-D-50-Exhaust	0.23400	0.14%	38	0.22%
86088712109490	Trenchers-D-120-Exhaust	0.22300	0.14%	36	0.21%
86088712109500	Trenchers-D-175-Exhaust	0.04100	0.03%	4	0.02%
86088712109510	Trenchers-D-250-Exhaust	0.08000	0.05%	8	0.05%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712109530	Trenchers-D-750-Exhaust	0.01300	0.01%	0	0.00%
86088712109534	Trenchers-D-1000-Exhaust	0.01000	0.01%	0	0.00%
86088912100070	A/C Tug Narrow Body-D-250-Exhaust	0.00000	0.00%	0	0.00%
86088912100072	A/C Tug Narrow Body-D-750-Exhaust	0.00000	0.00%	0	0.00%
86088912100090	A/C Tug Wide Body-D-500-Exhaust	0.00000	0.00%	0	0.00%
86088912100092	A/C Tug Wide Body-D-750-Exhaust	0.00000	0.00%	0	0.00%
86088912100720	Baggage Tug-D-120-Exhaust	0.00000	0.00%	0	0.00%
86088912100722	Baggage Tug-D-250-Exhaust	0.00000	0.00%	0	0.00%
86088912100790	Belt Loader-D-120-Exhaust	0.00000	0.00%	0	0.00%
86088912100792	Belt Loader-D-750-Exhaust	0.00000	0.00%	0	0.00%
86088912100990	Cargo Loader-D-120-Exhaust	0.00000	0.00%	0	0.00%
86088912100992	Cargo Loader-D-750-Exhaust	0.00000	0.00%	0	0.00%
86088912101010	Cargo Tractor-D-120-Exhaust	0.00000	0.00%	0	0.00%
86088912101012	Cargo Tractor-D-500-Exhaust	0.00000	0.00%	0	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088912101090	Catering Truck-D-250-Exhaust	0.00000	0.00%	0	0.00%
86088912102720	Forklift-D-175-Exhaust	0.00000	0.00%	0	0.00%
86088912102722	Forklifts-D-500-Exhaust	0.00000	0.00%	0	0.00%
86088912103020	Fuel Truck-D-250-Exhaust	0.00000	0.00%	0	0.00%
86088912104030	Lav Truck-D-175-Exhaust	0.00000	0.00%	0	0.00%
86088912104180	Lift-D-120-Exhaust	0.00000	0.00%	0	0.00%
86088912104182	Lift-D-500-Exhaust	0.00000	0.00%	0	0.00%
86088912105660	Other GSE-D-175-Exhaust	0.00000	0.00%	0	0.00%
86088912105664	Other GSE-D-500-Exhaust	0.00000	0.00%	0	0.00%
86089112102340	Drill Rig-D-120-Exhaust	0.00000	0.00%	0	0.00%
86089112102350	Drill Rig-D-175-Exhaust	0.00000	0.00%	0	0.00%
86089112102360	Drill Rig-D-250-Exhaust	0.00000	0.00%	0	0.00%
86089112102370	Drill Rig-D-500-Exhaust	0.00100	0.00%	0	0.00%
86089112102380	Drill Rig-D-750-Exhaust	0.00000	0.00%	0	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86089112102390	Drill Rig-D-1000-Exhaust	0.03700	0.02%	0	0.00%
86089112102391	DRILL RIG (MOBILE)-D-50-EXHAUST	0.00000	0.00%	0	0.00%
86089112102392	DRILL RIG (MOBILE)-D-120-EXHAUST	0.00200	0.00%	0	0.00%
86089112102393	DRILL RIG (MOBILE)-D-175-EXHAUST	0.00400	0.00%	0	0.00%
86089112102394	DRILL RIG (MOBILE)-D-250-EXHAUST	0.00500	0.00%	0	0.00%
86089112102395	DRILL RIG (MOBILE)-D-500-EXHAUST	0.00900	0.01%	0	0.00%
86089112102396	DRILL RIG (MOBILE)-D-750-EXHAUST	0.00400	0.00%	0	0.00%
86089112102397	DRILL RIG (MOBILE)-D-1000-EXHAUST	0.00200	0.00%	0	0.00%
86089112102400	WORKOVER RIG (MOBILE)-D-175-EXHAUST	0.00000	0.00%	0	0.00%
86089112102401	WORKOVER RIG (MOBILE)-D-250-EXHAUST	0.00100	0.00%	0	0.00%
86089112102402	WORKOVER RIG (MOBILE)-D-500-EXHAUST	0.08200	0.05%	4	0.02%
86089112102403	WORKOVER RIG (MOBILE)-D-750-EXHAUST	0.01000	0.01%	0	0.00%
86089112104200	Lift (Drilling)-D-120-Exhaust	0.00000	0.00%	0	0.00%
86089112104210	Lift (Drilling)-D-175-Exhaust	0.00000	0.00%	0	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86089112104230	Lift (Drilling)-D-250-Exhaust	0.00000	0.00%	0	0.00%
86089112104240	Lift (Drilling)-D-500-Exhaust	0.00200	0.00%	0	0.00%
86089112104250	Lift (Drilling)-D-750-Exhaust	0.00000	0.00%	0	0.00%
86089212100630	Aircraft Support-D-120-Exhaust	0.00000	0.00%	0	0.00%
86089212101790	Crane-D-120-Exhaust	0.00000	0.00%	0	0.00%
86089212101800	Crane-D-175-Exhaust	0.00000	0.00%	0	0.00%
86089212101810	Crane-D-250-Exhaust	0.00000	0.00%	0	0.00%
86089212102290	Deicer-D-120-Exhaust	0.00000	0.00%	0	0.00%
86089212104260	Lift (Military)-D-120-Exhaust	0.00000	0.00%	0	0.00%
86090312101350	Commercial Turf Equipment-D-15-Exhaust	0.14800	0.09%	12	0.07%
86090312101380	Commercial Turf Equipment-D-25-Exhaust	4.33700	2.66%	324	1.89%
86090312104050	Lawn & Garden Tractors-D-15-Exhaust	2.86500	1.76%	230	1.35%
86090312104070	Lawn & Garden Tractors-D-25-Exhaust	3.60500	2.21%	276	1.61%
Subtotal		162.82600	100.00%	17100	100.00%

X. Stockton Community

The main sources of air pollution emissions identified in the published Stockton AB 617 CERP were heavy duty vehicles, medium duty vehicles, passenger cars, trains, and commercial equipment. Based on the 2018 base year emission inventory developed for the Stockton CERP, it is estimated that vehicles subject to the Proposed Amendments contributed to 7 percent of NOx emissions and 24 percent of DPM emissions. Table 10 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 10. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the Stockton Community (2018)²⁴

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612100160	Aerial Lifts-D-15-Exhaust	0.00960	0.00038	0.01%	0.01%
86088612100190	Aerial Lifts-D-25-Exhaust	0.02152	0.00097	0.02%	0.02%
86088612100210	Aerial Lifts-D-50-Exhaust	0.12327	0.00208	0.14%	0.05%
86088612100230	Aerial Lifts-D-120-Exhaust	0.15379	0.00425	0.17%	0.11%
86088612100240	Aerial Lifts-D-500-Exhaust	0.00662	0.00025	0.01%	0.01%
86088612102724	Forklifts-D-1000-Exhaust	0.00745	0.00042	0.01%	0.01%
86088612102890	Forklifts-D-50-Exhaust	0.13047	0.01153	0.15%	0.29%
86088612102920	Forklifts-D-120-Exhaust	1.73899	0.13878	1.93%	3.43%

²⁴ From the community inventory used to develop the CERP.

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612102950	Forklifts-D-175-Exhaust	0.48441	0.02638	0.54%	0.65%
86088612102960	Forklifts-D-250-Exhaust	0.11378	0.00477	0.13%	0.12%
86088612102970	Forklifts-D-500-Exhaust	0.02033	0.00084	0.02%	0.02%
86088612105520	Other General Industrial Equipmen-D-15-Exhaust	0.00883	0.00035	0.01%	0.01%
86088612105540	Other General Industrial Equipmen-D-25-Exhaust	0.02969	0.00111	0.03%	0.03%
86088612105560	Other General Industrial Equipmen-D-50-Exhaust	0.27615	0.02294	0.31%	0.57%
86088612105580	Other General Industrial Equipmen-D-120-Exhaust	0.24883	0.01967	0.28%	0.49%
86088612105600	Other General Industrial Equipmen-D-175-Exhaust	0.07464	0.00397	0.08%	0.10%
86088612105610	Other General Industrial Equipmen-D-250-Exhaust	0.07653	0.00283	0.09%	0.07%
86088612105620	Other General Industrial Equipmen-D-500-Exhaust	0.18862	0.00672	0.21%	0.17%
86088612105630	Other General Industrial Equipmen-D-750-Exhaust	0.05671	0.00194	0.06%	0.05%
86088612105640	Other General Industrial Equipmen-D-1000-Exhaust	0.01156	0.00028	0.01%	0.01%
86088612105644	Other General Industrial Equipmen-D-9999-Exhaust	0.00820	0.00023	0.01%	0.01%
86088612105810	Other Material Handling Equipment-D-50-Exhaust	0.01351	0.00119	0.02%	0.03%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088612105830	Other Material Handling Equipment-D-120-Exhaust	0.13707	0.00942	0.15%	0.23%
86088612105840	Other Material Handling Equipment-D-175-Exhaust	0.06454	0.00334	0.07%	0.08%
86088612105850	Other Material Handling Equipment-D-250-Exhaust	0.09443	0.00312	0.10%	0.08%
86088612105860	Other Material Handling Equipment-D-500-Exhaust	0.19372	0.00734	0.22%	0.18%
86088612105890	OTHER MATERIAL HANDLING EQUIPMENT-D-9999-EXHAUST	0.03028	0.00096	0.03%	0.02%
86088712102000	Cranes-D-50-Exhaust	0.00639	0.00066	0.01%	0.02%
86088712102020	Cranes-D-120-Exhaust	0.22196	0.01632	0.25%	0.40%
86088712102040	Cranes-D-175-Exhaust	0.47924	0.02566	0.53%	0.63%
86088712102050	Cranes-D-250-Exhaust	0.71524	0.03096	0.80%	0.77%
86088712102060	Cranes-D-500-Exhaust	0.88133	0.03556	0.98%	0.88%
86088712102070	Cranes-D-750-Exhaust	0.18927	0.00687	0.21%	0.17%
86088712102080	Cranes-D-9999-Exhaust	0.12420	0.00603	0.14%	0.15%
86088712102100	Crawler Tractors-D-50-Exhaust	0.02007	0.00229	0.02%	0.06%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712102110	Crawler Tractors-D-120-Exhaust	1.04903	0.08828	1.17%	2.18%
86088712102120	Crawler Tractors-D-175-Exhaust	1.00533	0.05585	1.12%	1.38%
86088712102130	Crawler Tractors-D-250-Exhaust	0.91282	0.03454	1.01%	0.85%
86088712102140	Crawler Tractors-D-500-Exhaust	2.01348	0.07801	2.24%	1.93%
86088712102150	Crawler Tractors-D-750-Exhaust	0.69047	0.02548	0.77%	0.63%
86088712102160	Crawler Tractors-D-1000-Exhaust	0.17952	0.00534	0.20%	0.13%
86088712102164	Crawler Tractors-D-9999-Exhaust	0.08067	0.00218	0.09%	0.05%
86088712102460	Dumpers/Tenders-D-25-Exhaust	0.00084	0.00003	0.00%	0.00%
86088712102570	Excavators-D-25-Exhaust	0.00583	0.00022	0.01%	0.01%
86088712102580	Excavators-D-50-Exhaust	0.56224	0.03635	0.63%	0.90%
86088712102590	Excavators-D-120-Exhaust	0.70353	0.04682	0.78%	1.16%
86088712102600	Excavators-D-175-Exhaust	1.13861	0.05522	1.27%	1.37%
86088712102610	Excavators-D-250-Exhaust	1.28404	0.03902	1.43%	0.96%
86088712102620	Excavators-D-500-Exhaust	1.69105	0.05477	1.88%	1.35%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712102630	Excavators-D-750-Exhaust	0.17011	0.00570	0.19%	0.14%
86088712102634	Excavators-D-9999-Exhaust	0.08201	0.00159	0.09%	0.04%
86088712103700	Graders-D-50-Exhaust	0.00557	0.00071	0.01%	0.02%
86088712103710	Graders-D-120-Exhaust	0.21694	0.01775	0.24%	0.44%
86088712103720	Graders-D-175-Exhaust	1.52558	0.08576	1.70%	2.12%
86088712103730	Graders-D-250-Exhaust	2.13653	0.06945	2.38%	1.72%
86088712103740	Graders-D-500-Exhaust	0.39031	0.01511	0.43%	0.37%
86088712103754	Graders-D-9999-Exhaust	0.11646	0.00363	0.13%	0.09%
86088712104700	Off-Highway Tractors-D-120-Exhaust	0.62019	0.04959	0.69%	1.23%
86088712104710	Off-Highway Tractors-D-175-Exhaust	0.22389	0.01124	0.25%	0.28%
86088712104720	Off-Highway Tractors-D-250-Exhaust	0.18637	0.00640	0.21%	0.16%
86088712104730	Off-Highway Tractors-D-750-Exhaust	0.40668	0.01415	0.45%	0.35%
86088712104740	Off-Highway Tractors-D-1000-Exhaust	0.00255	0.00006	0.00%	0.00%
86088712104744	Off-Highway Tractors-D-9999-Exhaust	0.03284	0.00085	0.04%	0.02%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712104750	Off-Highway Trucks-D-175-Exhaust	0.53551	0.03062	0.60%	0.76%
86088712104760	Off-Highway Trucks-D-250-Exhaust	0.95327	0.03903	1.06%	0.96%
86088712104770	Off-Highway Trucks-D-500-Exhaust	3.57491	0.13048	3.97%	3.23%
86088712104780	Off-Highway Trucks-D-750-Exhaust	1.52952	0.05929	1.70%	1.47%
86088712104790	Off-Highway Trucks-D-1000-Exhaust	1.40515	0.03658	1.56%	0.90%
86088712104794	Off-Highway Trucks-D-9999-Exhaust	1.82045	0.04951	2.02%	1.22%
86088712105340	Other Construction Equipment-D-15-Exhaust	0.01516	0.00059	0.02%	0.01%
86088712105350	Other Construction Equipment-D-25-Exhaust	0.00351	0.00013	0.00%	0.00%
86088712105360	Other Construction Equipment-D-50-Exhaust	0.15008	0.01279	0.17%	0.32%
86088712105370	Other Construction Equipment-D-120-Exhaust	0.54396	0.04165	0.60%	1.03%
86088712105390	Other Construction Equipment-D-175-Exhaust	0.25958	0.01366	0.29%	0.34%
86088712105410	Other Construction Equipment-D-500-Exhaust	1.03446	0.03744	1.15%	0.93%
86088712105430	Other Construction Equipment-D-9999-Exhaust	0.35115	0.01099	0.39%	0.27%
86088712106100	Pavers-D-25-Exhaust	0.00214	0.00008	0.00%	0.00%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712106110	Pavers-D-50-Exhaust	0.02408	0.00225	0.03%	0.06%
86088712106120	Pavers-D-120-Exhaust	0.25628	0.01916	0.28%	0.47%
86088712106130	Pavers-D-175-Exhaust	0.25848	0.01263	0.29%	0.31%
86088712106140	Pavers-D-250-Exhaust	0.16127	0.00428	0.18%	0.11%
86088712106150	Pavers-D-500-Exhaust	0.04116	0.00147	0.05%	0.04%
86088712106152	Pavers-D-750-Exhaust	0.00502	0.00022	0.01%	0.01%
86088712106190	Paving Equipment-D-25-Exhaust	0.00251	0.00009	0.00%	0.00%
86088712106210	Paving Equipment-D-50-Exhaust	0.02555	0.00169	0.03%	0.04%
86088712106230	Paving Equipment-D-120-Exhaust	0.12637	0.00894	0.14%	0.22%
86088712106240	Paving Equipment-D-175-Exhaust	0.08896	0.00436	0.10%	0.11%
86088712106250	Paving Equipment-D-250-Exhaust	0.15211	0.00502	0.17%	0.12%
86088712106251	Paving Equipment-D-1000-Exhaust	0.00439	0.00007	0.00%	0.00%
86088712107640	Rollers-D-15-Exhaust	0.01745	0.00068	0.02%	0.02%
86088712107660	Rollers-D-25-Exhaust	0.01611	0.00060	0.02%	0.01%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712107680	Rollers-D-50-Exhaust	0.34831	0.02782	0.39%	0.69%
86088712107700	Rollers-D-120-Exhaust	0.58013	0.03992	0.64%	0.99%
86088712107710	Rollers-D-175-Exhaust	0.41202	0.01907	0.46%	0.47%
86088712107720	Rollers-D-250-Exhaust	0.06107	0.00191	0.07%	0.05%
86088712107730	Rollers-D-500-Exhaust	0.03948	0.00152	0.04%	0.04%
86088712107732	Rollers-D-750-Exhaust	0.00044	0.00001	0.00%	0.00%
86088712107750	Rough Terrain Forklifts-D-50-Exhaust	0.01736	0.00131	0.02%	0.03%
86088712107770	Rough Terrain Forklifts-D-120-Exhaust	0.93322	0.04461	1.04%	1.10%
86088712107790	Rough Terrain Forklifts-D-175-Exhaust	0.14156	0.00530	0.16%	0.13%
86088712107800	Rough Terrain Forklifts-D-250-Exhaust	0.01233	0.00030	0.01%	0.01%
86088712107810	Rough Terrain Forklifts-D-500-Exhaust	0.00574	0.00013	0.01%	0.00%
86088712107812	Rough Terrain Forklifts-D-750-Exhaust	0.00044	0.00000	0.00%	0.00%
86088712107820	Rubber Tired Dozers-D-175-Exhaust	0.25859	0.01911	0.29%	0.47%
86088712107830	Rubber Tired Dozers-D-250-Exhaust	0.10493	0.00510	0.12%	0.13%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712107840	Rubber Tired Dozers-D-500-Exhaust	1.07424	0.04960	1.19%	1.23%
86088712107850	Rubber Tired Dozers-D-750-Exhaust	0.13243	0.00488	0.15%	0.12%
86088712107864	Rubber Tired Loaders-D-9999-Exhaust	0.43542	0.01130	0.48%	0.28%
86088712107870	Rubber Tired Loaders-D-25-Exhaust	0.00156	0.00006	0.00%	0.00%
86088712107890	Rubber Tired Loaders-D-50-Exhaust	0.05691	0.00577	0.06%	0.14%
86088712107910	Rubber Tired Loaders-D-120-Exhaust	1.50117	0.12397	1.67%	3.06%
86088712107920	Rubber Tired Loaders-D-175-Exhaust	2.81507	0.15615	3.13%	3.86%
86088712107930	Rubber Tired Loaders-D-250-Exhaust	3.67990	0.12480	4.09%	3.09%
86088712107940	Rubber Tired Loaders-D-500-Exhaust	4.34379	0.16263	4.83%	4.02%
86088712107950	Rubber Tired Loaders-D-750-Exhaust	0.74736	0.02952	0.83%	0.73%
86088712108020	Scrapers-D-120-Exhaust	0.08147	0.00638	0.09%	0.16%
86088712108030	Scrapers-D-175-Exhaust	0.68354	0.03671	0.76%	0.91%
86088712108040	Scrapers-D-250-Exhaust	0.93349	0.04126	1.04%	1.02%
86088712108050	Scrapers-D-500-Exhaust	5.64359	0.22241	6.27%	5.50%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712108060	Scrapers-D-750-Exhaust	2.11827	0.07634	2.35%	1.89%
86088712108064	Scrapers-D-9999-Exhaust	0.35795	0.01482	0.40%	0.37%
86088712108250	Skid Steer Loaders-D-25-Exhaust	0.15601	0.00691	0.17%	0.17%
86088712108270	Skid Steer Loaders-D-50-Exhaust	0.21103	0.00967	0.23%	0.24%
86088712108290	Skid Steer Loaders-D-120-Exhaust	0.92030	0.04498	1.02%	1.11%
86088712108292	Skid Steer Loaders-D-1000-Exhaust	0.01325	0.00050	0.01%	0.01%
86088712108600	Surfacing Equipment-D-50-Exhaust	0.00238	0.00016	0.00%	0.00%
86088712108610	Surfacing Equipment-D-120-Exhaust	0.01880	0.00118	0.02%	0.03%
86088712108620	Surfacing Equipment-D-175-Exhaust	0.01019	0.00049	0.01%	0.01%
86088712108630	Surfacing Equipment-D-250-Exhaust	0.01905	0.00054	0.02%	0.01%
86088712108640	Surfacing Equipment-D-500-Exhaust	0.03379	0.00117	0.04%	0.03%
86088712108650	Surfacing Equipment-D-750-Exhaust	0.03204	0.00111	0.04%	0.03%
86088712108654	Surfacing Equipment-D-9999-Exhaust	0.01647	0.00040	0.02%	0.01%
86088712109310	Tractors/Loaders/Backhoes-D-25-Exhaust	0.02898	0.00111	0.03%	0.03%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86088712109320	Tractors/Loaders/Backhoes-D-50-Exhaust	0.52320	0.03981	0.58%	0.98%
86088712109340	Tractors/Loaders/Backhoes-D-120-Exhaust	7.94947	0.56319	8.84%	13.92%
86088712109350	Tractors/Loaders/Backhoes-D-175-Exhaust	1.06625	0.05368	1.19%	1.33%
86088712109360	Tractors/Loaders/Backhoes-D-250-Exhaust	0.67301	0.02172	0.75%	0.54%
86088712109361	Tractors/Loaders/Backhoes-D-9999-Exhaust	1.19257	0.03746	1.33%	0.93%
86088712109420	Trenchers-D-500-Exhaust	0.06679	0.00252	0.07%	0.06%
86088712109430	Trenchers-D-15-Exhaust	0.00258	0.00010	0.00%	0.00%
86088712109450	Trenchers-D-25-Exhaust	0.01104	0.00041	0.01%	0.01%
86088712109470	Trenchers-D-50-Exhaust	0.18852	0.01556	0.21%	0.38%
86088712109490	Trenchers-D-120-Exhaust	0.18074	0.01375	0.20%	0.34%
86088712109500	Trenchers-D-175-Exhaust	0.03250	0.00166	0.04%	0.04%
86088712109510	Trenchers-D-250-Exhaust	0.06504	0.00260	0.07%	0.06%
86088712109530	Trenchers-D-750-Exhaust	0.00956	0.00027	0.01%	0.01%
86088712109534	Trenchers-D-1000-Exhaust	0.00733	0.00034	0.01%	0.01%

Emission Inventory Code	Off-Road Diesel Equipment Sub-Category	NOx TPY	DPM TPY	NOx Subtotal	DPM Subtotal
86089612109210	Tractor/Loader/Backhoe (Port) CHE-D-9999-Exhaust	8.69393	0.16451	9.66%	4.07%
86090312101350	Commercial Turf Equipment-D-15-Exhaust	0.03430	0.00134	0.04%	0.03%
86090312101380	Commercial Turf Equipment-D-25-Exhaust	1.01120	0.03778	1.12%	0.93%
86090312104050	Lawn & Garden Tractors-D-15-Exhaust	0.66780	0.02673	0.74%	0.66%
86090312104070	Lawn & Garden Tractors-D-25-Exhaust	0.84067	0.03218	0.93%	0.80%
Subtotal		89.95382	4.04530	100.00%	100.00%

XI. West Oakland Community

Based on the 2018 base year emission inventory developed for the West Oakland CERP, construction equipment contributed to 12 percent of DPM in the community. Off-road mobile sources account for 82 percent of the total DPM emissions. It is estimated that vehicles subject to the Proposed Amendments contributed to 11 percent of DPM emissions. Table 11 shows the emissions attributable to vehicles subject to the Proposed Amendments for this community.

Table 11. Estimated Emissions from Vehicles Subject to the Proposed Amendments in the West Oakland Community (2017)²⁵

Diesel Off-Road Equipment Sub-Category ²⁶	Lbs per Day DPM	DPM Subtotal
1380-Commercial Turf Equipment-D-25-Exhaust	37	0.58%
2060-Cranes-D-500-Exhaust	245	3.88%
2140-Crawler Tractors-D-500-Exhaust	475	7.53%
2460-Dumpers/Tenders-D-25-Exhaust	0	0.00%
2620-Excavators-D-500-Exhaust	415	6.58%
3720-Graders-D-175-Exhaust	313	4.96%
4700-Off-Highway Tractors-D-120-Exhaust	242	3.84%

²⁵ From the community inventory used to develop the CERP.

²⁶ The first 9 nine digits of the Emission Inventory Code are 860-887-1210

Diesel Off-Road Equipment Sub-Category²⁶	Lbs per Day DPM	DPM Subtotal
4770-Off-Highway Trucks-D-500-Exhaust	617	9.78%
5410-Other Construction Equipment-D-500-Exhaust	189	2.99%
6130-Pavers-D-175-Exhaust	47	0.75%
6230-Paving Equipment-D-120-Exhaust	31	0.50%
7700-Rollers-D-120-Exhaust	170	2.69%
7770-Rough Terrain Forklifts-D-120-Exhaust	93	1.47%
7840-Rubber Tired Dozers-D-500-Exhaust	124	1.97%
7940-Rubber Tired Loaders-D-500-Exhaust	1058	16.78%
8050-Scrapers-D-500-Exhaust	667	10.58%
8250-Skid Steer Loaders-D-25-Exhaust	173	2.74%
8640-Surfacing Equipment-D-500-Exhaust	0	0.00%
9340-Tractors/Loaders/Backhoes-D-120-Exhaust	1359	21.54%
9470-Trenchers-D-50-Exhaust	53	0.84%

Diesel Off-Road Equipment Sub-Category ²⁶	Lbs per Day DPM	DPM Subtotal
Subtotal	6309	100.00%

XII. References

- CARB. (2022). Fourth Annual Community Air Protection Program Recommendations: Staff Report. Retrieved July 28, 2022, from [Fourth Annual Community Recommendations Staff Report \(ca.gov\)](#)
- CARB. (2018). Community Air Protection Blueprint: For selecting Communities, Preparing Community Emissions Reduction Programs, Identifying Statewide Strategies, and Conducting Community Air Monitoring. Retrieved July 11, 2022, from [Community Air Protection BLUEPRINT, October 2018 \(ca.gov\)](#)
- CARB. (2020). AB 617 Community Planning Emission Inventory: Inventory Years. Retrieved July 11, 2022, from [Microsoft Word - AB 617 Calendar Years for Community Planning Emission Inventories 2020-02-26.docx](#)
- Arvin/Lamont AB 617 Community Steering Committee and San Joaquin Valley Air Pollution Control District. (2022). Draft Arvin/Lamont Community Emissions Reduction Program. Retrieved July 5, 2022, from https://community.valleyair.org/media/3918/arvinlamont-cerp-draft_may-18.pdf
- Ramboll US Corporation et al. (2019). Imperial County: Year 1 Community Emissions Reduction Program Plan for the El Centro-Heber- Calexico Corridor. Imperial County Air Pollution District. Retrieved July 6, 2022, from [99eb03_080a305618f5453cb0c69272eb622946.pdf \(icab617community.org\)](#)
- South Coast AQMD. (2019a). Community Emissions Reduction Plan: East Los Angeles, Boyle Heights, West Commerce. Retrieved July 6, 2022, from [final-cerp.pdf \(aqmd.gov\)](#)
- San Diego County APCD. (2021). Community Emissions Reduction Plan: Portside Environmental Justice Neighborhoods. Retrieved July 6, 2022, from [Table of Contents \(sdapcd.org\)](#)
- South Coast AQMD. (2019b). Community Emissions Reduction Plan: San Bernardino, Muscoy. Retrieved July 6, 2022, from <https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/cerp/carb-submittal/final-cerp.pdf?sfvrsn=9>

San Joaquin Valley Air Pollution Control District. (2019). Community Emissions Reduction Program: South Central Fresno. Retrieved July 6, 2022, from [01finalscfresnocerp-9-19-19.pdf \(valleyair.org\)](#)

South Coast AQMD. (2022). Draft Community Emissions Reduction Plan: South Los Angeles Chapter 5. Retrieved July 6, 2022, from [ch5a.pdf \(aqmd.gov\)](#)

South Coast AQMD. (2020). Community Emissions Reduction Plan Final: Southeast Los Angeles. Retrieved July 6, 2022, from [final-cerp.pdf \(aqmd.gov\)](#)

San Joaquin Valley Air Pollution Control District. (2021). Community Emissions Reduction Program: Stockton. Retrieved July 6, 2022, from [Stockton Community Emissions Reduction Program 2021 Annual Report \(valleyair.org\)](#)

CARB (2021). Preliminary Comparison of Port of Stockton Emissions. Publicly presented by CARB on March 4, 2021.

Bay Area Air Quality Management District and West Oakland Environmental Indicators Project. (2019). Owning Our Air - The West Oakland Community Action Plan - Volume 1: The Plan. Bay Area Air Quality Management District. Retrieved July 6, 2022, from [final-plan-vol-1-100219-pdf.pdf \(baaqmd.gov\)](#)