

2019 Stationary, Areawide, and Mobile Sources: On-Road & Off-Road Criteria Emissions in Portside
Environmental Justice Neighborhoods Community

STATIONARY SOURCE CATEGORY	NOX (tpy)	TOG (tpy)	ROG (tpy)	SOX (tpy)	PM10 (tpy)	PM2.5 (tpy)	DPM (tpy)
Cleaning and Surface Coatings	0.00	187.05	170.97	0.00	5.28	0.00	0.00
Autobody Refinishing	0.00	3.52	2.73	0.00	0.09	0.00	0.00
Cold Solvent Degreasing	0.00	13.84	1.91	0.00	0.00	0.00	0.00
Marine Coatings	0.00	155.04	154.24	0.00	4.73	0.00	0.00
Metal Parts and Products Coatings	0.00	2.48	2.40	0.00	0.18	0.00	0.00
Paper, Film and Fabric Coatings	0.00	2.14	2.14	0.00	0.00	0.00	0.00
Wood Product Coatings	0.00	2.70	1.21	0.00	0.01	0.00	0.00
Miscellaneous Cleaning and Coating Process	0.00	7.33	6.34	0.00	0.27	0.00	0.00
Fuel Combustion	48.35	30.24	4.60	0.66	8.77	8.77	0.75
Boilers	7.44	3.94	1.97	0.22	2.73	2.73	0.00
Engines	13.71	2.81	2.45	0.04	0.75	0.75	0.75
Flares	0.04	0.02	0.00	0.01	0.01	0.01	0.00
Motor Vehicle and Mobile Equipment	0.00	0.00	0.00	0.00	0.24	0.24	0.00
Turbine	26.64	23.39	0.14	0.39	4.92	4.92	0.00
Misc Combustion Equipment	0.68	0.08	0.04	0.00	0.12	0.12	0.00
Industrial Processes	2.06	11.55	11.49	0.00	19.48	0.00	0.00
Abrasive Blasting	0.00	0.00	0.00	0.00	6.51	0.00	0.00
Plasma Spray	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Welding	0.00	0.00	0.00	0.00	4.69	0.00	0.00
Mineral Industry	0.00	0.00	0.00	0.00	6.43	0.00	0.00
Miscellaneous Industrial Processes	2.06	11.55	11.49	0.00	1.77	0.00	0.00
Petroleum Production and Marketing	0.00	30.81	27.93	0.00	0.00	0.00	0.00
Bulk Gasoline Loading Rack Oxygenated							
Gasoline	0.00	6.33	6.33	0.00	0.00	0.00	0.00
Bulk Gasoline Vapor Processor	0.00	4.93	2.05	0.00	0.00	0.00	0.00
Gasoline Storage Tanks	0.00	18.78	18.78	0.00	0.00	0.00	0.00
Petroleum Marketing	0.00	0.77	0.77	0.00	0.00	0.00	0.00
Waste Disposal	0.00	15.45	0.12	0.00	0.00	0.00	0.00
Landfill Operations	0.00	15.45	0.12	0.00	0.00	0.00	0.00
Wastewater	0.00	2.52	0.01	0.00	0.00	0.00	0.00
Pump Station	0.00	2.52	0.01	0.00	0.00	0.00	0.00
Total	50.57	277.62	215.12	0.66	33.53	8.77	0.75

NOx: Nitrogen Oxides
 TOG: Total Organic Gases
 ROG: Reactive Organic Gases
 SOx: Sulfur Oxides
 PM10: Particulate Matter 10 Microns or Smaller
 PM2.5: Particulate Matter 2.5 Microns or Smaller
 DPM: Diesel Particulate Matter

(Continued)

2018 Stationary, Areawide, and Mobile Sources: On-Road & Off-Road Criteria Emissions in Portside
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SOURCE CATEGORY	NOX (tpy)	TOG (tpy)	ROG (tpy)	SOX (tpy)	PM10 (tpy)	PM25 (tpy)	DPM (tpy)
AREAWIDE	26.55	542.34	455.00	1.45	589.18	118.88	0.00
SOLVENT EVAPORATION	0.00	473.67	409.22	0.00	0.07	0.07	0.00
CONSUMER PRODUCTS	0.00	310.57	255.10	0.00	0.00	0.00	0.00
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	0.00	142.26	133.28	0.00	0.00	0.00	0.00
PESTICIDES/FERTILIZERS	0.00	2.75	2.75	0.00	0.00	0.00	0.00
ASPHALT PAVING / ROOFING	0.00	18.08	18.08	0.00	0.07	0.07	0.00
MISCELLANEOUS PROCESSES	26.55	68.67	45.79	1.45	589.10	118.81	0.00
RESIDENTIAL FUEL COMBUSTION	26.34	14.94	6.79	1.45	5.87	5.73	0.00
CONSTRUCTION AND DEMOLITION	0.00	0.00	0.00	0.00	449.47	45.04	0.00
PAVED ROAD DUST	0.00	0.00	0.00	0.00	73.90	11.16	0.00
UNPAVED ROAD DUST	0.00	0.00	0.00	0.00	2.90	0.29	0.00
FUGITIVE WINDBLOWN DUST	0.00	0.00	0.00	0.00	0.36	0.05	0.00
FIRES	0.21	0.83	0.71	0.00	0.87	0.82	0.00
MANAGED BURNING AND DISPOSAL	0.00	0.02	0.01	0.00	0.01	0.01	0.00
COOKING	0.00	52.89	38.27	0.00	55.72	55.72	0.00
OTHER (MISCELLANEOUS PROCESSES)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OFF-ROAD MOBILE SOURCES	922.45	346.54	317.75	14.02	36.19	34.41	22.08
TRAINS	24.03	0.80	0.70	0.02	0.42	0.39	0.42
OCEAN GOING VESSELS	238.23	13.86	11.72	13.60	4.96	4.56	3.26
COMMERCIAL HARBOR CRAFT	433.96	60.82	53.46	0.07	11.73	11.22	11.80
RECREATIONAL BOATS	30.98	106.69	98.60	0.05	6.32	6.03	0.01
OFF-ROAD RECREATIONAL VEHICLES	0.02	2.08	2.07	0.00	0.00	0.00	0.00
OFF-ROAD EQUIPMENT	195.22	147.68	136.58	0.28	12.76	12.22	6.59
FUEL STORAGE AND HANDLING	0.00	14.62	14.62	0.00	0.00	0.00	0.00

NOx: Nitrogen Oxides
TOG: Total Organic Gases
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SOx: Sulfur Oxides
PM10: Particulate Matter 10 Microns or Smaller
PM2.5: Particulate Matter 2.5 Microns or Smaller
DPM: Diesel Particulate Matter

(Continued)

2018 Stationary, Areawide, and Mobile Sources: On-Road & Off-Road Criteria Emissions in Portside
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On-Road Mobile Source Category	NOX (tpy)	TOG (tpy)	ROG (tpy)	SOX (tpy)	PM10 (tpy)	PM25 (tpy)	DPM (tpy)
MOBILE	462.78	301.58	259.87	5.09	69.48	32.06	5.45
Light Duty Vehicle	177.98	255.05	229.35	4.22	55.57	23.52	0.15
Light Heavy Duty Vehicle	69.10	17.45	16.01	0.30	3.96	1.99	0.64
Medium Heavy Duty Vehicle	67.96	7.38	6.44	0.18	4.16	2.84	2.07
Heavy Heavy Duty Vehicle	126.38	8.34	6.28	0.31	4.22	2.91	2.34
Bus	21.36	13.36	1.80	0.08	1.56	0.79	0.26
Total	462.78	301.58	259.87	5.09	69.48	32.06	5.45

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2025 Stationary *, Areawide, and Mobile Sources: On-Road & Off-Road Criteria Emissions in Portside Environmental Justice Neighborhoods Community

Source Category	NOX (tpy)	TOG (tpy)	ROG (tpy)	SOX (tpy)	PM (tpy)	PM10 (tpy)	PM25 (tpy)	DPM (tpy)
Area-wide Source	21.48	570.09	478.62	1.45	1127.46	579.20	119.72	0.00
SOLVENT EVAPORATION	0.00	499.67	431.58	0.00	0.08	0.07	0.07	0.00
CONSUMER PRODUCTS	0.00	332.02	273.23	0.00	0.00	0.00	0.00	0.00
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	0.00	147.36	138.06	0.00	0.00	0.00	0.00	0.00
PESTICIDES/FERTILIZERS	0.00	2.85	2.85	0.00	0.00	0.00	0.00	0.00
ASPHALT PAVING / ROOFING	0.00	17.44	17.44	0.00	0.08	0.07	0.07	0.00
MISCELLANEOUS PROCESSES	21.48	70.42	47.04	1.45	1127.39	579.13	119.65	0.00
RESIDENTIAL FUEL COMBUSTION	21.26	14.97	6.81	1.45	6.15	5.89	5.75	0.00
CONSTRUCTION AND DEMOLITION	0.00	0.00	0.00	0.00	886.79	433.64	43.45	0.00
PAVED ROAD DUST	0.00	0.00	0.00	0.00	170.54	77.94	11.77	0.00
UNPAVED ROAD DUST	0.00	0.00	0.00	0.00	4.89	2.90	0.29	0.00
FUGITIVE WINDBLOWN DUST	0.00	0.00	0.00	0.00	0.60	0.36	0.05	0.00
FIRES	0.21	0.86	0.74	0.00	0.92	0.90	0.84	0.00
MANAGED BURNING AND DISPOSAL	0.00	0.02	0.01	0.00	0.01	0.01	0.01	0.00
COOKING	0.00	54.57	39.49	0.00	57.49	57.49	57.49	0.00
OTHER (MISCELLANEOUS PROCESSES)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road Mobile Source	889.00	320.89	293.34	17.72	32.41	31.88	30.25	18.35
TRAINS	17.99	0.45	0.40	0.02	0.31	0.31	0.28	0.31
OCEAN GOING VESSELS	276.48	16.93	14.32	17.25	6.24	6.24	5.74	4.00
COMMERCIAL HARBOR CRAFT	410.43	63.40	55.73	0.07	10.64	10.57	10.12	10.64
RECREATIONAL BOATS	27.05	77.77	71.88	0.05	4.89	4.70	4.48	0.01
OFF-ROAD RECREATIONAL VEHICLES	0.02	1.67	1.66	0.00	0.00	0.00	0.00	0.00
OFF-ROAD EQUIPMENT	157.03	148.73	137.42	0.32	10.33	10.06	9.63	3.40
FUEL STORAGE AND HANDLING	0.00	11.93	11.93	0.00	0.00	0.00	0.00	0.00

* District in process of estimating stationary source emission growth and will provide the final and latest stationary source emissions data when available

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(continued)

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Source Category	NOX (tpy)	TOG (tpy)	ROG (tpy)	SOX (tpy)	PM (tpy)	PM10 (tpy)	PM25 (tpy)	DPM (tpy)
On-Road Mobile Source	236.97	201.00	170.83	4.29	68.83	67.48	28.60	1.11
Light Duty Vehicle	86.43	170.81	156.70	3.48	58.37	57.19	23.88	0.07
Light Heavy Duty Vehicle	34.57	11.84	10.98	0.27	3.78	3.71	1.78	0.44
Medium Heavy Duty Vehicle	31.32	1.05	0.93	0.19	2.65	2.61	1.13	0.09
Heavy Heavy Duty Vehicle	72.65	3.39	1.46	0.29	2.57	2.54	1.17	0.41
Bus	12.01	13.91	0.77	0.06	1.45	1.42	0.64	0.09
Grand Total	236.97	201.00	170.83	4.29	68.83	67.48	28.60	1.11

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2030 Stationary *, Areawide, and Mobile Sources: On-Road & Off-Road Criteria Emissions in Portside Environmental Justice Neighborhoods Community

Source Category	NOX (tpy)	TOG (tpy)	ROG (tpy)	SOX (tpy)	PM (tpy)	PM10 (tpy)	PM25 (tpy)	DPM (tpy)
Area-wide Source	18.91	587.79	493.66	1.45	1101.12	566.81	119.79	0.00
SOLVENT EVAPORATION	0.00	516.15	445.71	0.00	0.07	0.07	0.07	0.00
CONSUMER PRODUCTS	0.00	345.69	284.76	0.00	0.00	0.00	0.00	0.00
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	0.00	150.76	141.24	0.00	0.00	0.00	0.00	0.00
PESTICIDES/FERTILIZERS	0.00	2.91	2.91	0.00	0.00	0.00	0.00	0.00
ASPHALT PAVING / ROOFING	0.00	16.79	16.79	0.00	0.07	0.07	0.07	0.00
MISCELLANEOUS PROCESSES	18.91	71.65	47.95	1.45	1101.04	566.74	119.72	0.00
RESIDENTIAL FUEL COMBUSTION	18.69	14.93	6.79	1.45	6.12	5.86	5.72	0.00
CONSTRUCTION AND DEMOLITION	0.00	0.00	0.00	0.00	853.51	417.37	41.82	0.00
PAVED ROAD DUST	0.00	0.00	0.00	0.00	176.16	80.50	12.15	0.00
UNPAVED ROAD DUST	0.00	0.00	0.00	0.00	4.89	2.90	0.29	0.00
FUGITIVE WINDBLOWN DUST	0.00	0.00	0.00	0.00	0.60	0.36	0.05	0.00
FIRES	0.22	0.88	0.75	0.00	0.94	0.92	0.86	0.00
MANAGED BURNING AND DISPOSAL	0.00	0.02	0.01	0.00	0.01	0.01	0.01	0.00
COOKING	0.00	55.83	40.40	0.00	58.82	58.82	58.82	0.00
OTHER (MISCELLANEOUS PROCESSES)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road Mobile Source	867.68	310.15	283.21	20.71	31.39	30.89	29.28	17.57
OTHER MOBILE SOURCES	867.68	310.15	283.21	20.71	31.39	30.89	29.28	17.57
TRAINS	13.67	0.30	0.26	0.03	0.24	0.24	0.22	0.24
OCEAN GOING VESSELS	286.35	19.52	16.51	20.22	7.30	7.30	6.71	4.63
COMMERCIAL HARBOR CRAFT	390.78	60.39	53.08	0.07	10.03	9.97	9.54	10.03
RECREATIONAL BOATS	25.11	62.91	58.15	0.05	3.99	3.84	3.66	0.01
OFF-ROAD RECREATIONAL VEHICLES	0.02	1.42	1.42	0.00	0.00	0.00	0.00	0.00
OFF-ROAD EQUIPMENT	151.75	154.64	142.83	0.35	9.83	9.55	9.14	2.66
FUEL STORAGE AND HANDLING	0.00	10.96	10.96	0.00	0.00	0.00	0.00	0.00
Total	886.59	897.95	776.87	22.16	1132.50	597.70	149.07	17.57

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(continued)

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Source Category	NOX (tpy)	TOG (tpy)	ROG (tpy)	SOX (tpy)	PM (tpy)	PM10 (tpy)	PM25 (tpy)	DPM (tpy)
On-Road Mobile Source	197.58	172.52	143.32	3.88	70.07	68.75	28.74	0.95
Light Duty Vehicle	65.08	141.62	130.67	3.11	59.50	58.35	24.06	0.04
Light Heavy Duty Vehicle	20.23	10.31	9.65	0.25	3.63	3.57	1.66	0.34
Medium Heavy Duty Vehicle	32.37	0.92	0.83	0.19	2.81	2.76	1.19	0.09
Heavy Heavy Duty Vehicle	71.08	3.84	1.50	0.28	2.71	2.68	1.22	0.41
Bus	8.82	15.83	0.68	0.06	1.42	1.39	0.61	0.07
Total	197.58	172.52	143.32	3.88	70.07	68.75	28.74	0.95

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