

Sacramento Fed Nonattainment Area - NOx Inventory

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
FUEL COMBUSTION					
ELECTRIC UTILITIES					
1000502540000 BOILERS WOOD/BARK WASTE	0.517	0.525	0.525	0.525	0.525
	<i>SUB-CATEGORY UNSPECIFIED</i>				
1004001420000 I.C. RECIPROCATING ENGINES LANDFILL GAS	0.179	0.182	0.182	0.182	0.182
	<i>SUB-CATEGORY UNSPECIFIED</i>				
1004501100000 I.C. TURBINE ENGINES NATURAL GAS	0.418	0.559	0.742	0.803	0.804
	<i>SUB-CATEGORY UNSPECIFIED</i>				
1004512000000 I.C. TURBINE ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED)	0.002	0.002	0.002	0.002	0.002
	<i>SUB-CATEGORY UNSPECIFIED</i>				
Subtotal ELECTRIC UTILITIES	1.115	1.268	1.451	1.512	1.513
COGENERATION					
2004001100000 I.C. RECIPROCATING ENGINES NATURAL GAS	0.007	0.008	0.009	0.009	0.009
	<i>SUB-CATEGORY UNSPECIFIED</i>				
Subtotal COGENERATION	0.007	0.008	0.009	0.009	0.009
OIL AND GAS PRODUCTION (COMBUSTION)					
3004001000000 I.C. RECIPROCATING ENGINES GASEOUS FUEL (UNSPECIFIED)	0.068	0.081	0.081	0.081	0.077
	<i>SUB-CATEGORY UNSPECIFIED</i>				
3004001100000 I.C. RECIPROCATING ENGINES NATURAL GAS	0.187	0.232	0.232	0.232	0.232
	<i>SUB-CATEGORY UNSPECIFIED</i>				
Subtotal OIL AND GAS PRODUCTION (COMBUSTION)	0.254	0.312	0.312	0.312	0.309
MANUFACTURING AND INDUSTRIAL					
5000501100000 BOILERS NATURAL GAS	0.265	0.319	0.336	0.352	0.355
	<i>SUB-CATEGORY UNSPECIFIED</i>				

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
5000501240000 BOILERS PROPANE	0.001 <i>SUB-CATEGORY UNSPECIFIED</i>	0.001	0.001	0.002	0.002
5000502540000 BOILERS WOOD/BARK WASTE	0.914 <i>SUB-CATEGORY UNSPECIFIED</i>	0.982	1.041	1.102	1.102
5001001100000 PROCESS HEATERS NATURAL GAS	0.034 <i>SUB-CATEGORY UNSPECIFIED</i>	0.043	0.045	0.049	0.049
5001001200000 PROCESS HEATERS LIQUIFIED PETROLEUM GAS (LPG)	0.001 <i>SUB-CATEGORY UNSPECIFIED</i>	0.002	0.002	0.001	0.001
5001012200000 PROCESS HEATERS DISTILLATE OIL (UNSPECIFIED)	0.001 <i>SUB-CATEGORY UNSPECIFIED</i>	0.001	0.001	0.001	0.001
5001201100000 OVEN HEATERS (FORCE DRYING SUR NATURAL GAS	0.009 <i>SUB-CATEGORY UNSPECIFIED</i>	0.008	0.009	0.009	0.009
5004001100000 I.C. RECIPROCATING ENGINES NATURAL GAS	0.411 <i>SUB-CATEGORY UNSPECIFIED</i>	0.497	0.528	0.554	0.562
5004012000000 I.C. RECIPROCATING ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED)	0.089 <i>SUB-CATEGORY UNSPECIFIED</i>	0.095	0.1	0.102	0.104
5004512000000 I.C. TURBINE ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED)	0.0001 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0001	0.0001	0.0001	0.0001
5007001100000 IN-PROCESS FUEL NATURAL GAS	0.032 <i>SUB-CATEGORY UNSPECIFIED</i>	0.034	0.035	0.036	0.036
5099501100000 OTHER NATURAL GAS	0.828 <i>SUB-CATEGORY UNSPECIFIED</i>	0.881	0.918	0.95	0.959
5099501200000 OTHER LIQUIFIED PETROLEUM GAS (LPG)	0.008 <i>SUB-CATEGORY UNSPECIFIED</i>	0.008	0.008	0.008	0.008
5099502000000 OTHER SOLID FUEL (UNSPECIFIED)	0.006 <i>SUB-CATEGORY UNSPECIFIED</i>	0.006	0.007	0.007	0.007
5099512200000 OTHER DISTILLATE OIL (UNSPECIFIED)	0.013 <i>SUB-CATEGORY UNSPECIFIED</i>	0.019	0.020	0.022	0.022

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
<i>Subtotal MANUFACTURING AND INDUSTRIAL</i>	2.611	2.895	3.05	3.193	3.217
FOOD AND AGRICULTURAL PROCESSING					
5200501100000 <i>BOILERS NATURAL GAS</i>	0.146 <i>SUB-CATEGORY UNSPECIFIED</i>	0.144	0.146	0.15	0.151
5200501240000 <i>BOILERS PROPANE</i>	0.005 <i>SUB-CATEGORY UNSPECIFIED</i>	0.005	0.005	0.005	0.005
5200512200000 <i>BOILERS DISTILLATE OIL (UNSPECIFIED)</i>	0.0005 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0006	0.0006	0.0006	0.0007
5201001100000 <i>PROCESS HEATERS NATURAL GAS</i>	0.031 <i>SUB-CATEGORY UNSPECIFIED</i>	0.032	0.034	0.034	0.035
5201001200000 <i>PROCESS HEATERS LIQUIFIED PETROLEUM GAS (LPG)</i>	0.007 <i>SUB-CATEGORY UNSPECIFIED</i>	0.008	0.008	0.009	0.009
5201012240000 <i>PROCESS HEATERS DISTILLATE OIL #2 (FUEL OIL #2)</i>	0.0002 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0002	0.0002	0.0002	0.0002
5204012000000 <i>I.C. RECIPROCATING ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED)</i>	0.0003 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0004	0.0004	0.0004	0.0004
5204201100000 <i>AG. IRRIGATION I.C. ENGINES NATURAL GAS</i>	0.148 <i>SUB-CATEGORY UNSPECIFIED</i>	0.126	0.12	0.114	0.112
5204212000000 <i>AG. IRRIGATION I.C. ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED)</i>	7.747 <i>SUB-CATEGORY UNSPECIFIED</i>	5.755	5.104	4.418	4.183
5207001100000 <i>IN-PROCESS FUEL NATURAL GAS</i>	0.01 <i>SUB-CATEGORY UNSPECIFIED</i>	0.009	0.009	0.01	0.01
<i>Subtotal FOOD AND AGRICULTURAL PROCESSING</i>	8.095	6.08	5.428	4.74	4.506
SERVICE AND COMMERCIAL					
6000501100000 <i>BOILERS NATURAL GAS</i>	0.160 <i>SUB-CATEGORY UNSPECIFIED</i>	0.152	0.153	0.154	0.155
6000501220000 <i>BOILERS BUTANE</i>	0.0005 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0005	0.0005	0.0005	0.0005

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
6000501420000 BOILERS LANDFILL GAS	0.0006 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0007	0.0008	0.0008	0.0008
6000501440000 BOILERS SEWAGE GAS	0.0004 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0004	0.0004	0.0004	0.0004
6001001100000 PROCESS HEATERS NATURAL GAS	0.008 <i>SUB-CATEGORY UNSPECIFIED</i>	0.008	0.008	0.008	0.008
6001201100000 OVEN HEATERS (FORCE DRYING SUR NATURAL GAS	0.002 <i>SUB-CATEGORY UNSPECIFIED</i>	0.002	0.002	0.002	0.002
6002001100000 SPACE HEATING NATURAL GAS	0.022 <i>SUB-CATEGORY UNSPECIFIED</i>	0.023	0.023	0.024	0.023
6003001100000 WATER HEATING NATURAL GAS	0.285 <i>SUB-CATEGORY UNSPECIFIED</i>	0.305	0.309	0.311	0.311
6004001100000 I.C. RECIPROCATING ENGINES NATURAL GAS	0.029 <i>SUB-CATEGORY UNSPECIFIED</i>	0.029	0.029	0.029	0.029
6004001240000 I.C. RECIPROCATING ENGINES PROPANE	0.0009 <i>SUB-CATEGORY UNSPECIFIED</i>	0.001	0.001	0.001	0.001
6004001460000 I.C. RECIPROCATING ENGINES DIGESTER GAS	0.04 <i>SUB-CATEGORY UNSPECIFIED</i>	0.043	0.043	0.045	0.045
6004012000000 I.C. RECIPROCATING ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED)	0.039 <i>SUB-CATEGORY UNSPECIFIED</i>	0.04	0.041	0.042	0.042
6004512000000 I.C. TURBINE ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED)	0.009 <i>SUB-CATEGORY UNSPECIFIED</i>	0.012	0.013	0.013	0.014
6099501100000 OTHER NATURAL GAS	1.687 <i>SUB-CATEGORY UNSPECIFIED</i>	1.822	1.862	1.877	1.880
6099501200000 OTHER LIQUIFIED PETROLEUM GAS (LPG)	0.007 <i>SUB-CATEGORY UNSPECIFIED</i>	0.007	0.007	0.007	0.007
6099512200000 OTHER DISTILLATE OIL (UNSPECIFIED)	0.002 <i>SUB-CATEGORY UNSPECIFIED</i>	0.002	0.002	0.002	0.002

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
<i>Subtotal SERVICE AND COMMERCIAL</i>	2.291	2.447	2.495	2.516	2.521
OTHER (FUEL COMBUSTION)					
9904012000000 <i>I.C. RECIPROCATING ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED)</i>	1.039	0.778	0.686	0.611	0.589
	<i>SUB-CATEGORY UNSPECIFIED</i>				
9999500000000 <i>OTHER MATERIAL NOT SPECIFIED</i>	0.014	0.016	0.017	0.017	0.018
	<i>SUB-CATEGORY UNSPECIFIED</i>				
<i>Subtotal OTHER (FUEL COMBUSTION)</i>	1.053	0.794	0.703	0.629	0.607
Total FUEL COMBUSTION	15.43	13.80	13.45	12.91	12.68
WASTE DISPOSAL					
SEWAGE TREATMENT					
11013201300000 <i>FLARES PROCESS GAS</i>	0.008	0.008	0.008	0.008	0.008
	<i>SUB-CATEGORY UNSPECIFIED</i>				
11013201460000 <i>FLARES DIGESTER GAS</i>	0.003	0.004	0.004	0.005	0.005
	<i>SUB-CATEGORY UNSPECIFIED</i>				
<i>Subtotal SEWAGE TREATMENT</i>	0.012	0.012	0.013	0.013	0.013
LANDFILLS					
12013201360000 <i>FLARES WASTE GAS</i>	0.037	0.039	0.04	0.040	0.041
	<i>SUB-CATEGORY UNSPECIFIED</i>				
<i>Subtotal LANDFILLS</i>	0.037	0.039	0.04	0.040	0.041
INCINERATORS					
13013001100000 <i>INCINERATION NATURAL GAS</i>	0.017	0.017	0.018	0.018	0.019
	<i>SUB-CATEGORY UNSPECIFIED</i>				
13013002400000 <i>INCINERATION SOLID WASTE (UNSPECIFIED)</i>	0.0001	0.0001	0.0002	0.0002	0.0002
	<i>SUB-CATEGORY UNSPECIFIED</i>				
13013201360000 <i>FLARES WASTE GAS</i>	0.003	0.003	0.003	0.003	0.003
	<i>SUB-CATEGORY UNSPECIFIED</i>				

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<i>Subtotal INCINERATORS</i>	0.019	0.02	0.021	0.021	0.022
SOIL REMEDIATION					
14099501100000	0.002	0.003	0.003	0.003	0.003
<i>OTHER NATURAL GAS</i>	<i>SUB-CATEGORY UNSPECIFIED</i>				
14099502400000	0.0005	0.0006	0.0006	0.0007	0.0007
<i>OTHER SOLID WASTE (UNSPECIFIED)</i>	<i>SUB-CATEGORY UNSPECIFIED</i>				
<i>Subtotal SOIL REMEDIATION</i>	0.003	0.003	0.003	0.003	0.004
Total WASTE DISPOSAL	0.07	0.074	0.076	0.078	0.079
CLEANING AND SURFACE COATINGS					
COATINGS AND RELATED PROCESS SOLVENTS					
23021890500000	0.0002	0.0002	0.0002	0.0002	0.0002
<i>AUTO REFINISHING TOPCOATS (UNSPECIFIED)</i>	<i>SUB-CATEGORY UNSPECIFIED</i>				
23021891000000	0.0002	0.0002	0.0002	0.0002	0.0002
<i>AUTO REFINISHING OIL BASED (ORGANIC SOLVENT BASED) COATINGS (UNSPECIFIED)</i>	<i>SUB-CATEGORY UNSPECIFIED</i>				
23022690000000	0.001	0.001	0.001	0.001	0.001
<i>METAL FURNITURE AND FIXTURE CO COATINGS (UNSPECIFIED)</i>	<i>SUB-CATEGORY UNSPECIFIED</i>				
23023090000000	0.0008	0.001	0.001	0.001	0.001
<i>METAL PARTS AND PRODUCTS COATI COATINGS (UNSPECIFIED)</i>	<i>SUB-CATEGORY UNSPECIFIED</i>				
23023091000000	0	0	0	0	0
<i>METAL PARTS AND PRODUCTS COATI OIL BASED (ORGANIC SOLVENT BASED) COATINGS (UNSPECIFIED)</i>	<i>SUB-CATEGORY UNSPECIFIED</i>				
23099590000000	0.004	0.005	0.006	0.006	0.007
<i>OTHER COATINGS (UNSPECIFIED)</i>	<i>SUB-CATEGORY UNSPECIFIED</i>				
23099591000000	0.0008	0.0009	0.001	0.001	0.001
<i>OTHER OIL BASED (ORGANIC SOLVENT BASED) COATINGS (UNSPECIFIED)</i>	<i>SUB-CATEGORY UNSPECIFIED</i>				
<i>Subtotal COATINGS AND RELATED PROCESS SOLVENTS</i>	0.007	0.009	0.01	0.010	0.010
PRINTING					

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
24026484000000 <i>LITHOGRAPHIC INK (UNSPECIFIED)</i>	0.014 <i>SUB-CATEGORY UNSPECIFIED</i>	0.016	0.017	0.018	0.018
<i>Subtotal PRINTING</i>	<i>0.014</i>	<i>0.016</i>	<i>0.017</i>	<i>0.018</i>	<i>0.018</i>
Total CLEANING AND SURFACE COATINGS	0.020	0.025	0.026	0.028	0.028

PETROLEUM PRODUCTION AND MARKETING

OIL AND GAS PRODUCTION

31035601100000 <i>NATURAL GAS PRODUCTION NATURAL GAS</i>	0.008 <i>SUB-CATEGORY UNSPECIFIED</i>	0.01	0.01	0.01	0.01
<i>Subtotal OIL AND GAS PRODUCTION</i>	<i>0.008</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>

PETROLEUM MARKETING

33038411000000 <i>BULK PLANTS/TERMINALS - GASOLI GASOLINE (UNSPECIFIED)</i>	0.02 <i>SUB-CATEGORY UNSPECIFIED</i>	0.026	0.028	0.03	0.030
33099500100000 <i>OTHER HYDROCARBON COMPOUNDS (UNSPECIFIED)</i>	0.0005 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0007	0.0007	0.0008	0.0008
<i>Subtotal PETROLEUM MARKETING</i>	<i>0.020</i>	<i>0.026</i>	<i>0.029</i>	<i>0.031</i>	<i>0.031</i>

Total PETROLEUM PRODUCTION AND MARKETING	0.028	0.036	0.038	0.040	0.041
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INDUSTRIAL PROCESSES

CHEMICAL

41040020020000 <i>CHEMICAL MANUFACTURING AMMONIA</i>	0.029 <i>SUB-CATEGORY UNSPECIFIED</i>	0.029	0.029	0.029	0.029
41040020360000 <i>CHEMICAL MANUFACTURING NITRIC ACID</i>	0.077 <i>SUB-CATEGORY UNSPECIFIED</i>	0.077	0.077	0.077	0.077
41040030000000 <i>CHEMICAL MANUFACTURING ORGANIC CHEMICALS (UNSPECIFIED)</i>	0.0002 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0003	0.0003	0.0003	0.0003

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41040202480000 RUBBER AND RUBBER PRODUCTS MAN RUBBER TIRES	0.0001 <i>SUB-CATEGORY UNSPECIFIED</i>	0.0001	0.0001	0.0001	0.0001
41040450000000 PLASTICS AND PLASTIC PRODUCTS PLASTICS (UNSPECIFIED)	0.002 <i>SUB-CATEGORY UNSPECIFIED</i>	0.003	0.003	0.003	0.003
41040450600000 PLASTICS AND PLASTIC PRODUCTS SYNTHETIC ORGANIC FIBERS	0.051 <i>SUB-CATEGORY UNSPECIFIED</i>	0.056	0.062	0.067	0.067
<i>Subtotal CHEMICAL</i>	<i>0.159</i>	<i>0.165</i>	<i>0.170</i>	<i>0.176</i>	<i>0.176</i>
FOOD AND AGRICULTURE					
42041860800000 AGRICULTURAL PRODUCTS PROCESSI VEGETABLE OIL	0.002 <i>SUB-CATEGORY UNSPECIFIED</i>	0.002	0.002	0.002	0.002
42042060380000 AGRICULTURAL CROP PROCESSING L GRAIN (UNSPECIFIED)	0.004 <i>SUB-CATEGORY UNSPECIFIED</i>	0.004	0.004	0.005	0.005
42042060600000 AGRICULTURAL CROP PROCESSING L RICE	0.013 <i>SUB-CATEGORY UNSPECIFIED</i>	0.014	0.015	0.015	0.015
<i>Subtotal FOOD AND AGRICULTURE</i>	<i>0.018</i>	<i>0.019</i>	<i>0.021</i>	<i>0.022</i>	<i>0.022</i>
MINERAL PROCESSES					
43042470060000 ASPHALTIC CONCRETE PRODUCTION ASPHALTIC CONCRETE	0.246 <i>SUB-CATEGORY UNSPECIFIED</i>	0.31	0.324	0.343	0.350
43043070180000 CEMENT CONCRETE MANUFACTURING CEMENT CONCRETE	0.01 <i>SUB-CATEGORY UNSPECIFIED</i>	0.011	0.011	0.012	0.012
43043470500000 LIME MANUFACTURING LIMESTONE	0.001 <i>SUB-CATEGORY UNSPECIFIED</i>	0.001	0.001	0.001	0.002
43099570000000 OTHER MINERAL AND METAL PRODUCTS (UNSPECIFIED)	0.018 <i>SUB-CATEGORY UNSPECIFIED</i>	0.02	0.021	0.022	0.022
43099570120000 OTHER BRICKS	0.031 <i>SUB-CATEGORY UNSPECIFIED</i>	0.036	0.039	0.040	0.041
43099570220000 OTHER CLAY	0.122 <i>SUB-CATEGORY UNSPECIFIED</i>	0.140	0.154	0.158	0.163

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<i>Subtotal MINERAL PROCESSES</i>	0.428	0.518	0.550	0.577	0.590
WOOD AND PAPER					
45045456200000 <i>PLYWOOD/PARTICLE BOARD MANUFAC PLYWOOD/PARTICLEBOARD</i>	0.056	0.064	0.068	0.073	0.076
	<i>SUB-CATEGORY UNSPECIFIED</i>				
<i>Subtotal WOOD AND PAPER</i>	0.056	0.064	0.068	0.073	0.076
OTHER (INDUSTRIAL PROCESSES)					
49949200120000 <i>-STORAGE/TRANSPORT CONTAINER C FUEL (UNSPECIFIED)</i>	0.002	0.003	0.003	0.003	0.003
	<i>SUB-CATEGORY UNSPECIFIED</i>				
<i>Subtotal OTHER (INDUSTRIAL PROCESSES)</i>	0.002	0.003	0.003	0.003	0.003
Total INDUSTRIAL PROCESSES	0.663	0.768	0.812	0.850	0.866
MISCELLANEOUS PROCESSES					
RESIDENTIAL FUEL COMBUSTION					
61060002300000 <i>WOOD COMBUSTION - WOOD STOVES WOOD</i>	0.123	0.128	0.13	0.132	0.133
	<i>SUB-CATEGORY UNSPECIFIED</i>				
61060202300000 <i>WOOD COMBUSTION - FIREPLACES WOOD</i>	0.079	0.086	0.089	0.092	0.093
	<i>SUB-CATEGORY UNSPECIFIED</i>				
61060601100000 <i>FUEL COMBUSTION - SPACE HEATIN NATURAL GAS</i>	0.396	0.366	0.355	0.343	0.339
	<i>SUB-CATEGORY UNSPECIFIED</i>				
61060612200000 <i>FUEL COMBUSTION - SPACE HEATIN DISTILLATE OIL (UNSPECIFIED)</i>	0.018	0.016	0.015	0.015	0.014
	<i>SUB-CATEGORY UNSPECIFIED</i>				
61060801100000 <i>FUEL COMBUSTION - WATER HEATIN NATURAL GAS</i>	1.741	1.914	1.969	2.025	2.044
	<i>SUB-CATEGORY UNSPECIFIED</i>				
61061001100000 <i>FUEL COMBUSTION - COOKING NATURAL GAS</i>	0.111	0.115	0.118	0.120	0.121
	<i>SUB-CATEGORY UNSPECIFIED</i>				
61099501100000 <i>OTHER NATURAL GAS</i>	0.327	0.341	0.348	0.355	0.358
	<i>SUB-CATEGORY UNSPECIFIED</i>				

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61099501200000 <i>OTHER LIQUIFIED PETROLEUM GAS (LPG)</i>	0.051 <i>SUB-CATEGORY UNSPECIFIED</i>	0.05	0.049	0.048	0.048
<i>Subtotal RESIDENTIAL FUEL COMBUSTION</i>	2.845	3.015	3.072	3.13	3.15
FIRES					
66065602000000 <i>STRUCTURAL FIRES SOLID FUEL (UNSPECIFIED)</i>	0.010 <i>SUB-CATEGORY UNSPECIFIED</i>	0.012	0.012	0.013	0.013
66065802000000 <i>AUTOMOBILE FIRES SOLID FUEL (UNSPECIFIED)</i>	0.001 <i>SUB-CATEGORY UNSPECIFIED</i>	0.001	0.001	0.001	0.001
<i>Subtotal FIRES</i>	0.011	0.013	0.014	0.014	0.015
MANAGED BURNING AND DISPOSAL					
67066002620000 <i>AGRICULTURAL BURNING - PRUNING AGRICULTURAL WASTE</i>	0.056 <i>SUB-CATEGORY UNSPECIFIED</i>	0.052	0.05	0.049	0.048
67066202620000 <i>AGRICULTURAL BURNING - FIELD C AGRICULTURAL WASTE</i>	0.260 <i>SUB-CATEGORY UNSPECIFIED</i>	0.240	0.234	0.228	0.226
67066802000000 <i>WEED ABATEMENT SOLID FUEL (UNSPECIFIED)</i>	0.048 <i>SUB-CATEGORY UNSPECIFIED</i>	0.044	0.043	0.041	0.04
67067002000000 <i>NON-AGRICULTURAL OPEN BURNING SOLID FUEL (UNSPECIFIED)</i>	0.06 <i>SUB-CATEGORY UNSPECIFIED</i>	0.061	0.061	0.061	0.061
<i>Subtotal MANAGED BURNING AND DISPOSAL</i>	0.424	0.397	0.388	0.379	0.376
Total MISCELLANEOUS PROCESSES	3.280	3.425	3.474	3.523	3.54
ON-ROAD MOTOR VEHICLES					
LIGHT DUTY PASSENGER (LDA)					
71000000000000	19.85	8	5.96	4.54	4.2
<i>Subtotal LIGHT DUTY PASSENGER (LDA)</i>	19.85	8	5.96	4.54	4.2
LIGHT DUTY TRUCKS - 1 (LDT1)					

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
72200000000000	7.43	3.37	2.64	2.02	1.82
<i>Subtotal LIGHT DUTY TRUCKS - 1 (LDT1)</i>	7.43	3.37	2.64	2.02	1.82
LIGHT DUTY TRUCKS - 2 (LDT2)					
72300000000000	14.85	7.14	5.74	4.65	4.36
<i>Subtotal LIGHT DUTY TRUCKS - 2 (LDT2)</i>	14.85	7.14	5.74	4.65	4.36
MEDIUM DUTY TRUCKS (MDV)					
72400000000000	8.13	4.48	3.7	3.07	2.89
<i>Subtotal MEDIUM DUTY TRUCKS (MDV)</i>	8.13	4.48	3.7	3.07	2.89
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)					
73200000000000	3.21	2.46	2.4	2.38	2.38
<i>Subtotal LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)</i>	3.21	2.46	2.4	2.38	2.38
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)					
73300000000000	0.74	0.65	0.63	0.61	0.59
<i>Subtotal LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)</i>	0.74	0.65	0.63	0.61	0.59
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)					
73400000000000	1.47	1.08	0.88	0.73	0.68
<i>Subtotal MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)</i>	1.47	1.08	0.88	0.73	0.68
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)					
73600000000000	1.97	0.96	0.71	0.55	0.49

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
<i>Subtotal HEAVY HEAVY DUTY GAS TRUCKS (HHDV)</i>	1.97	0.96	0.71	0.55	0.49
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)					
74200000000000	0.14	2.04	1.7	1.45	1.37
<i>Subtotal LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)</i>	0.14	2.04	1.7	1.45	1.37
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)					
74300000000000	1.64	1.58	1.3	1.07	1.01
<i>Subtotal LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)</i>	1.64	1.58	1.3	1.07	1.01
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)					
74400000000000	12.16	8.59	6.61	5.05	4.63
<i>Subtotal MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)</i>	12.16	8.59	6.61	5.05	4.63
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)					
74600000000000	40.38	38.27	29.34	22.62	20.92
<i>Subtotal HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)</i>	40.38	38.27	29.34	22.62	20.92
MOTORCYCLES (MCY)					
75000000000000	0.47	0.86	0.88	0.93	0.93
<i>Subtotal MOTORCYCLES (MCY)</i>	0.47	0.86	0.88	0.93	0.93
HEAVY DUTY DIESEL URBAN BUSES (UB)					
76000000000000	0.84	0.69	0.6	0.6	0.59
<i>Subtotal HEAVY DUTY DIESEL URBAN BUSES (UB)</i>	0.84	0.69	0.6	0.6	0.59

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
HEAVY DUTY GAS URBAN BUSES (UB)					
76200000000000	0.1	0.09	0.1	0.09	0.1
<i>Subtotal HEAVY DUTY GAS URBAN BUSES (UB)</i>	<i>0.1</i>	<i>0.09</i>	<i>0.1</i>	<i>0.09</i>	<i>0.1</i>
SCHOOL BUSES (SB)					
77000000000000	0.77	0.79	0.76	0.75	0.75
<i>Subtotal SCHOOL BUSES (SB)</i>	<i>0.77</i>	<i>0.79</i>	<i>0.76</i>	<i>0.75</i>	<i>0.75</i>
OTHER BUSES (OB)					
77600000000000	0.57	0.52	0.43	0.34	0.32
<i>Subtotal OTHER BUSES (OB)</i>	<i>0.57</i>	<i>0.52</i>	<i>0.43</i>	<i>0.34</i>	<i>0.32</i>
MOTOR HOMES (MH)					
78000000000000	0.84	0.57	0.48	0.39	0.37
<i>Subtotal MOTOR HOMES (MH)</i>	<i>0.84</i>	<i>0.57</i>	<i>0.48</i>	<i>0.39</i>	<i>0.37</i>
Total ON-ROAD MOTOR VEHICLES	115.6	82.14	64.86	51.84	48.4
OTHER MOBILE SOURCES					
AIRCRAFT					
81080411400000	0.007	0.007	0.007	0.007	0.007
<i>PISTON AIRCRAFT - CIVIL AVIATION GASOLINE</i>					
81080611400000	0.0007	0.0007	0.0005	0.0005	0.0005
<i>AGRICULTURAL AIRCRAFT (CROP DU AVIATION GASOLINE</i>					
81080814000000	0.283	0.283	0.283	0.283	0.283
<i>JET AIRCRAFT - MILITARY JET FUEL (UNSPECIFIED)</i>					

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
81081014000000 <i>JET AIRCRAFT - COMMERCIAL JET FUEL (UNSPECIFIED)</i>	1.276	1.833	2.048	2.327	2.378
81081214000000 <i>JET AIRCRAFT - CIVIL JET FUEL (UNSPECIFIED)</i>	0.072	0.086	0.089	0.092	0.093
<i>Subtotal AIRCRAFT</i>	1.639	2.210	2.428	2.710	2.761
TRAINS					
82082012100000 <i>LOCOMOTIVES - ROAD HAULING DIESEL (UNSPECIFIED)</i>	10.63	7.476	7.645	7.862	7.942
82082212100000 <i>LOCOMOTIVES - SWITCHING DIESEL (UNSPECIFIED)</i>	0.657	0.464	0.432	0.404	0.399
82082612100000 <i>PASSENGER TRAINS DIESEL (UNSPECIFIED)</i>	0.901	0.891	1.004	1.046	1.061
<i>Subtotal TRAINS</i>	12.18	8.831	9.081	9.313	9.402
SHIPS AND COMMERCIAL BOATS					
83083015000000 <i>SHIPS MANEUVERING - U.S. MOTOR RESIDUAL OIL (UNSPECIFIED)</i>	0.001	0.001	0.001	0.001	0.001
83083215000000 <i>SHIPS MANEUVERING - FOREIGN MO RESIDUAL OIL (UNSPECIFIED)</i>	0.007	0.008	0.008	0.008	0.008
83083412100000 <i>SHIPS MANEUVERING - U.S. MOTOR DIESEL (UNSPECIFIED)</i>	0.0001	0.0001	0.0001	0.0001	0.0001
83083612100000 <i>SHIPS MANEUVERING - FOREIGN MO DIESEL (UNSPECIFIED)</i>	0.0004	0.0005	0.0005	0.0006	0.0006
83083810000000 <i>SHIPS MANEUVERING - TUGBOATS LIQUID FUEL (UNSPECIFIED)</i>	0.891	0.630	0.525	0.458	0.443
83084015000000 <i>SHIPS BERTHING - U.S. MOTOR SH RESIDUAL OIL (UNSPECIFIED)</i>	0.017	0.020	0.021	0.022	0.023
83084215000000 <i>SHIPS BERTHING - FOREIGN MOTOR RESIDUAL OIL (UNSPECIFIED)</i>	0.113	0.132	0.139	0.145	0.148

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
83084412100000 <i>SHIPS BERTHING - U.S. MOTOR SH DIESEL (UNSPECIFIED)</i>	0.004	0.005	0.005	0.006	0.006
83084612100000 <i>SHIPS BERTHING - FOREIGN MOTOR DIESEL (UNSPECIFIED)</i>	0.028	0.033	0.034	0.036	0.037
83084815000000 <i>SHIPS IN-TRANSIT - U.S. MOTOR RESIDUAL OIL (UNSPECIFIED)</i>	0.002	0.003	0.003	0.003	0.003
83085015000000 <i>SHIPS IN-TRANSIT - FOREIGN MOT RESIDUAL OIL (UNSPECIFIED)</i>	0.015	0.017	0.018	0.019	0.019
83085212100000 <i>SHIPS IN-TRANSIT - U.S. MOTOR DIESEL (UNSPECIFIED)</i>	0.0002	0.0002	0.0002	0.0002	0.0002
83085412100000 <i>SHIPS IN-TRANSIT - FOREIGN MOT DIESEL (UNSPECIFIED)</i>	0.0009	0.001	0.001	0.001	0.001
83085811000000 <i>COMMERCIAL BOATS GASOLINE (UNSPECIFIED)</i>	0.006	0.006	0.006	0.006	0.006
83085812100000 <i>COMMERCIAL BOATS DIESEL (UNSPECIFIED)</i>	0.929	0.662	0.561	0.498	0.483
<i>Subtotal SHIPS AND COMMERCIAL BOATS</i>	<i>2.015</i>	<i>1.518</i>	<i>1.322</i>	<i>1.204</i>	<i>1.178</i>
RECREATIONAL BOATS					
84086411000000 <i>RECREATIONAL BOATS GASOLINE (UNSPECIFIED)</i>	3.899	5.425	5.394	5.434	5.45
84086412100000 <i>RECREATIONAL BOATS DIESEL (UNSPECIFIED)</i>	0.260	0.390	0.428	0.468	0.483
<i>Subtotal RECREATIONAL BOATS</i>	<i>4.16</i>	<i>5.815</i>	<i>5.822</i>	<i>5.903</i>	<i>5.933</i>
OFF-ROAD RECREATIONAL VEHICLES					
85087011000000 <i>SNOWMOBILES GASOLINE (UNSPECIFIED)</i>	0.0003	0.0007	0.001	0.002	0.002
85087211000000 <i>OFF-ROAD MOTORCYCLES GASOLINE (UNSPECIFIED)</i>	0.020	0.031	0.034	0.038	0.04

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
85087311000000 MINIBIKES GASOLINE (UNSPECIFIED)	0.0005	0.0008	0.001	0.001	0.001
85087411000000 ALL-TERRAIN VEHICLES (ATV'S) GASOLINE (UNSPECIFIED)	0.038	0.065	0.072	0.081	0.084
85087511000000 GOLF CARTS GASOLINE (UNSPECIFIED)	0.016	0.003	0.003	0.003	0.003
85087711000000 SPECIALTY VEHICLES CARTS GASOLINE (UNSPECIFIED)	0.014	0.014	0.015	0.017	0.017
<i>Subtotal OFF-ROAD RECREATIONAL VEHICLES</i>	<i>0.09</i>	<i>0.114</i>	<i>0.127</i>	<i>0.142</i>	<i>0.147</i>
OFF-ROAD EQUIPMENT					
86088411000000 TRANSPORT REFRIGERATION UNITS GASOLINE (UNSPECIFIED)	0.086	0.08	0.085	0.094	0.098
86088412100000 TRANSPORT REFRIGERATION UNITS DIESEL (UNSPECIFIED)	1.506	1.974	2.005	1.954	1.953
86088512100000 LIGHT COMMERCIAL EQUIPMENT DIESEL (UNSPECIFIED)	0.003	0.003	0.002	0.002	0.002
86088601100000 INDUSTRIAL EQUIPMENT NATURAL GAS	0.608	0.257	0.215	0.187	0.177
86088611000000 INDUSTRIAL EQUIPMENT GASOLINE (UNSPECIFIED)	0.397	0.155	0.134	0.118	0.112
86088612100000 INDUSTRIAL EQUIPMENT DIESEL (UNSPECIFIED)	0.887	0.641	0.514	0.369	0.325
86088711000000 CONSTRUCTION AND MINING EQUIPM GASOLINE (UNSPECIFIED)	0.116	0.106	0.100	0.087	0.080
86088712100000 CONSTRUCTION AND MINING EQUIPM DIESEL (UNSPECIFIED)	18.12	13.41	11.34	8.987	8.298
86088811000000 LOGGING EQUIPMENT GASOLINE (UNSPECIFIED)	0.003	0.004	0.004	0.004	0.004

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
86088812100000 <i>LOGGING EQUIPMENT DIESEL (UNSPECIFIED)</i>	0.219	0.12	0.091	0.058	0.05
86088901100000 <i>AIRPORT GROUND SUPPORT EQUIPME NATURAL GAS</i>	0.016	0.011	0.01	0.008	0.008
86088911000000 <i>AIRPORT GROUND SUPPORT EQUIPME GASOLINE (UNSPECIFIED)</i>	0.173	0.093	0.079	0.071	0.069
86088912100000 <i>AIRPORT GROUND SUPPORT EQUIPME DIESEL (UNSPECIFIED)</i>	0.2	0.182	0.163	0.135	0.126
86089112100000 <i>OIL DRILLING AND WORKOVER DIESEL (UNSPECIFIED)</i>	2.696	1.801	1.472	1.222	1.155
86089212100000 <i>MILITARY TACTICAL SUPPORT EQUI DIESEL (UNSPECIFIED)</i>	0.128	0.085	0.069	0.052	0.048
86089412100000 <i>ENTERTAINMENT DIESEL (UNSPECIFIED)</i>	0.039	0.025	0.02	0.014	0.013
86089612100000 <i>PORT OPERATIONS DIESEL (UNSPECIFIED)</i>	0.093	0.049	0.031	0.025	0.023
86089712100000 <i>RAIL OPERATIONS DIESEL (UNSPECIFIED)</i>	0.0002	0.0001	0.0001	0.0001	0.0001
86090111000000 <i>LAWN AND GARDEN (COMMERCIAL) GASOLINE (UNSPECIFIED)</i>	0.296	0.252	0.258	0.267	0.27
86090211000000 <i>LAWN AND GARDEN (RESIDENTIAL) GASOLINE (UNSPECIFIED)</i>	0.106	0.121	0.115	0.108	0.107
86090311000000 <i>LAWN AND GARDEN (OTHER) GASOLINE (UNSPECIFIED)</i>	0.026	0.019	0.017	0.015	0.015
86090312100000 <i>LAWN AND GARDEN (OTHER) DIESEL (UNSPECIFIED)</i>	0.412	0.331	0.328	0.327	0.328
86090411000000 <i>COMMERCIAL (COMMERCIAL) GASOLINE (UNSPECIFIED)</i>	0.102	0.145	0.145	0.13	0.123

SFNA NOx EIC	2002 Baseline Tons/Day	2011 Forecast Tons/Day	2014 Forecast Tons/Day	2017 Forecast Tons/Day	2018 Forecast Tons/Day
86090511000000 <i>COMMERCIAL (RESIDENTIAL) GASOLINE (UNSPECIFIED)</i>	0.091	0.123	0.125	0.115	0.109
86090601100000 <i>COMMERCIAL (OTHER) NATURAL GAS</i>	0.156	0.042	0.042	0.039	0.036
86090611000000 <i>COMMERCIAL (OTHER) GASOLINE (UNSPECIFIED)</i>	0.254	0.166	0.126	0.086	0.074
86090612100000 <i>COMMERCIAL (OTHER) DIESEL (UNSPECIFIED)</i>	1.51	1.199	1.014	0.781	0.703
86099512100000 <i>OTHER DIESEL (UNSPECIFIED)</i>	0.062	0.041	0.033	0.025	0.023
Subtotal OFF-ROAD EQUIPMENT	28.31	21.43	18.53	15.28	14.33
FARM EQUIPMENT					
87089311000000 <i>AGRICULTURAL EQUIPMENT GASOLINE (UNSPECIFIED)</i>	0.216	0.168	0.15	0.123	0.114
87089312100000 <i>AGRICULTURAL EQUIPMENT DIESEL (UNSPECIFIED)</i>	12.77	8.878	7.201	5.692	5.216
Subtotal FARM EQUIPMENT	12.99	9.046	7.351	5.815	5.331
Total OTHER MOBILE SOURCES	61.38	48.97	44.66	40.37	39.08
Grand Total	196.43	149.24	127.4	109.64	104.71

Source of Data:

California Emissions Forecasting System, 8-Hour SIP Emission Inventory Projections (CEFS Version 1.06 Sacramento NAA (Rf#980) February 28, 2007) for stationary and offroad mobile sources. Onroad is based on JonTaylor 3-17-08 EMFAC2007 run using February 2008 SACOG onroad motor vehicle activity data. Stationary source emissions presented were projected from the 2002 base year inventory using growth and control factors in the CEFS as of February 28, 2007. The control factors include all control measures adopted as of December 31, 2006. "PS" denotes that an EIC is a point source. EICs without "PS" denotation are area or mobile sources.