

Georgia Co-Pollutant Base Year Inventory (2017)

Overview

January, 2024

Overview

This workbook provides data used to generate the co-pollutant base year inventory for Georgia's Priority Climate Action Plan (PCAP). This input is referenced in the benefits analysis for co-pollutant impacts of proposed pollution reduction measures. See 'Section 5. Co-Pollutant Benefits Analysis' in the PCAP for additional details on the co-pollutant base year inventory.

Source Data

National Emissions Inventory 2017

<https://www.epa.gov/air-emissions-inventories/2017-national-emissions-inventory-nei-data>

Worksheet

2017 NEI Data

Description

Raw data output from the 2017 National Emissions Inventory (NEI) 2017 containing Georgia-specific co-pollutant emissions at the county level of each NEI sector, accessed January 2024.

Inventory Summary

The 2017 NEI raw data pivoted for analysis, with relevant CAPs and HAPs summed and filtered. This tool is intended to be used by the client to view base year criteria air pollutants (CAPs), hazardous air pollutants (HAPs), and volatile air compounds (VOCs) for each NEI sector at the county level.

Sector Mapping

The mapping of each of the NEI emission sectors to one of the 13 sector groupings, utilized to create Figure 13 in the PCAP.

Notes

In the Inventory Summary worksheet in Table 1, all CAP emissions, with the exception of lead, are measured in short tons. Lead is measured in pounds. The purpose of this table is to display the emissions of each criteria air pollutant separately by each NEI sector. Each pollutant can be expanded to view the pollutant emissions by county.

In the Inventory Summary worksheet in Table 2, the HAP emissions total is measured in pounds. The purpose of this table is to display the total emissions of HAPs by NEI sector. The total amount of HAP emissions can be expanded to view HAPs by county.

**Final GA 2017 Co-pollutant Baseline
Disclaimer**

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GA EPD alone is responsible for any decision to implement actions identified in our Report or other actions from the provision of our services and for compliance with applicable regulatory requirements. Client is solely responsible for the preparation of its Climate Pollution Reduction Grant submissions and applications, including making all of the judgements inherent in preparing them.

EY did not perform an audit, review, examination or other form of attestation in accordance with any generally accepted auditing, review or other assurance standards of GA EPD. Accordingly, EY did not express any form of assurance on EPD. The observations relating to CPRG decision and opportunities that EY provided to GA EPD were: 1) based on the facts and circumstances present to EY; 2) designed to assist GA EPD in reaching its own conclusions; and 3) do not constitute our concurrence with or support of GA EPD partners and jurisdictions.

Georgia Co-Pollutant Base Year Inventory (2017)

PCAP Co-Pollutant Base Year Emissions

Source: National Emissions Inventory (NEI)

Table 1: Criteria Air Pollutant (CAP) Inventory	
POLLUTANT TYPE	(Multiple Items)
Row Labels	Sum of EMISSIONS
Agriculture - Crops & Livestock Dust	57690
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	48602
PM2.5 Primary (Filt + Cond)	9088
Sulfur Dioxide	
Volatile Organic Compounds	
Agriculture - Fertilizer Application	
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	
Agriculture - Livestock Waste	5044
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	5044
Biogenics - Vegetation and Soil	1514554
Carbon Monoxide	143472
Lead	
Nitrogen Oxides	29721
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	1341361
Bulk Gasoline Terminals	3250
Carbon Monoxide	19
Lead	0
Nitrogen Oxides	13
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	

Sulfur Dioxide	
Volatile Organic Compounds	3218
Commercial Cooking	11939
Carbon Monoxide	1859
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	4876
PM2.5 Primary (Filt + Cond)	4527
Sulfur Dioxide	
Volatile Organic Compounds	677
Dust - Construction Dust	18322
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	16657
PM2.5 Primary (Filt + Cond)	1665
Sulfur Dioxide	
Volatile Organic Compounds	
Dust - Paved Road Dust	52075
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	41663
PM2.5 Primary (Filt + Cond)	10412
Sulfur Dioxide	
Volatile Organic Compounds	
Dust - Unpaved Road Dust	137563
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	125134
PM2.5 Primary (Filt + Cond)	12429
Sulfur Dioxide	
Volatile Organic Compounds	
Fires - Agricultural Field Burning	26780
Carbon Monoxide	19438
Lead	
Nitrogen Oxides	676
PM10 Primary (Filt + Cond)	3015
PM2.5 Primary (Filt + Cond)	2076
Sulfur Dioxide	237
Volatile Organic Compounds	1338
Fires - Prescribed Fires	489122
Carbon Monoxide	358676
Lead	
Nitrogen Oxides	11883
PM10 Primary (Filt + Cond)	48755

PM2.5 Primary (Filt + Cond)	42911
Sulfur Dioxide	3260
Volatile Organic Compounds	23637
Fires - Wildfires	86438
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Carbon Monoxide	60128
Lead	
Nitrogen Oxides	2523
PM10 Primary (Filt + Cond)	9808
PM2.5 Primary (Filt + Cond)	8450
Sulfur Dioxide	678
Volatile Organic Compounds	4851
Fuel Comb - Comm/Institutional - Biomass	168
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Carbon Monoxide	44
Lead	
Nitrogen Oxides	58
PM10 Primary (Filt + Cond)	10
PM2.5 Primary (Filt + Cond)	7
Sulfur Dioxide	47
Volatile Organic Compounds	2
Fuel Comb - Comm/Institutional - Coal	172
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Carbon Monoxide	2
Lead	30
Nitrogen Oxides	38
PM10 Primary (Filt + Cond)	1
PM2.5 Primary (Filt + Cond)	1
Sulfur Dioxide	100
Volatile Organic Compounds	0
Fuel Comb - Comm/Institutional - Natural Gas	4575
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Carbon Monoxide	1804
Lead	281
Nitrogen Oxides	2287
PM10 Primary (Filt + Cond)	38
PM2.5 Primary (Filt + Cond)	37
Sulfur Dioxide	18
Volatile Organic Compounds	110
Fuel Comb - Comm/Institutional - Oil	128
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Carbon Monoxide	2
Lead	101
Nitrogen Oxides	11
PM10 Primary (Filt + Cond)	7
PM2.5 Primary (Filt + Cond)	7
Sulfur Dioxide	0
Volatile Organic Compounds	0
Fuel Comb - Comm/Institutional - Other	326
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Carbon Monoxide	111
Lead	0
Nitrogen Oxides	206

PM10 Primary (Filt + Cond)	2
PM2.5 Primary (Filt + Cond)	2
Sulfur Dioxide	0
Volatile Organic Compounds	5
Fuel Comb - Electric Generation - Biomass	2961
Carbon Monoxide	1332
Lead	400
Nitrogen Oxides	729
PM10 Primary (Filt + Cond)	163
PM2.5 Primary (Filt + Cond)	126
Sulfur Dioxide	83
Volatile Organic Compounds	128
Fuel Comb - Electric Generation - Coal	44123
Carbon Monoxide	4939
Lead	115
Nitrogen Oxides	22192
PM10 Primary (Filt + Cond)	904
PM2.5 Primary (Filt + Cond)	708
Sulfur Dioxide	14762
Volatile Organic Compounds	503
Fuel Comb - Electric Generation - Natural Gas	4900
Carbon Monoxide	574
Lead	20
Nitrogen Oxides	1755
PM10 Primary (Filt + Cond)	1038
PM2.5 Primary (Filt + Cond)	1038
Sulfur Dioxide	99
Volatile Organic Compounds	376
Fuel Comb - Electric Generation - Oil	350
Carbon Monoxide	38
Lead	0
Nitrogen Oxides	238
PM10 Primary (Filt + Cond)	9
PM2.5 Primary (Filt + Cond)	6
Sulfur Dioxide	56
Volatile Organic Compounds	3
Fuel Comb - Electric Generation - Other	1310
Carbon Monoxide	608
Lead	3
Nitrogen Oxides	359
PM10 Primary (Filt + Cond)	73
PM2.5 Primary (Filt + Cond)	68
Sulfur Dioxide	107
Volatile Organic Compounds	92
Fuel Comb - Industrial Boilers, ICEs - Biomass	19064
Carbon Monoxide	8850
Lead	1503

Nitrogen Oxides	5003
PM10 Primary (Filt + Cond)	1282
PM2.5 Primary (Filt + Cond)	1117
Sulfur Dioxide	784
Volatile Organic Compounds	525
Fuel Comb - Industrial Boilers, ICEs - Coal	6183
Carbon Monoxide	684
Lead	514
Nitrogen Oxides	2437
PM10 Primary (Filt + Cond)	214
PM2.5 Primary (Filt + Cond)	178
Sulfur Dioxide	2140
Volatile Organic Compounds	16
Fuel Comb - Industrial Boilers, ICEs - Natural Gas	16194
Carbon Monoxide	3845
Lead	242
Nitrogen Oxides	7754
PM10 Primary (Filt + Cond)	925
PM2.5 Primary (Filt + Cond)	907
Sulfur Dioxide	1769
Volatile Organic Compounds	752
Fuel Comb - Industrial Boilers, ICEs - Oil	5822
Carbon Monoxide	806
Lead	17
Nitrogen Oxides	3705
PM10 Primary (Filt + Cond)	266
PM2.5 Primary (Filt + Cond)	242
Sulfur Dioxide	549
Volatile Organic Compounds	237
Fuel Comb - Industrial Boilers, ICEs - Other	3239
Carbon Monoxide	354
Lead	42
Nitrogen Oxides	903
PM10 Primary (Filt + Cond)	155
PM2.5 Primary (Filt + Cond)	144
Sulfur Dioxide	1619
Volatile Organic Compounds	22
Fuel Comb - Residential - Natural Gas	7816
Carbon Monoxide	2220
Lead	
Nitrogen Oxides	5229
PM10 Primary (Filt + Cond)	25
PM2.5 Primary (Filt + Cond)	19
Sulfur Dioxide	29
Volatile Organic Compounds	294
Fuel Comb - Residential - Oil	2
Carbon Monoxide	0

Lead	0
Nitrogen Oxides	2
PM10 Primary (Filt + Cond)	0
PM2.5 Primary (Filt + Cond)	0
Sulfur Dioxide	0
Volatile Organic Compounds	0
Fuel Comb - Residential - Other	782
Carbon Monoxide	167
Lead	
Nitrogen Oxides	609
PM10 Primary (Filt + Cond)	0
PM2.5 Primary (Filt + Cond)	0
Sulfur Dioxide	0
Volatile Organic Compounds	6
Fuel Comb - Residential - Wood	70971
Carbon Monoxide	49505
Lead	
Nitrogen Oxides	800
PM10 Primary (Filt + Cond)	6545
PM2.5 Primary (Filt + Cond)	6538
Sulfur Dioxide	135
Volatile Organic Compounds	7448
Gas Stations	20930
Carbon Monoxide	
Lead	1
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	20929
Industrial Processes - Cement Manuf	2845
Carbon Monoxide	1284
Lead	2
Nitrogen Oxides	969
PM10 Primary (Filt + Cond)	190
PM2.5 Primary (Filt + Cond)	157
Sulfur Dioxide	127
Volatile Organic Compounds	116
Industrial Processes - Chemical Manuf	3923
Carbon Monoxide	723
Lead	0
Nitrogen Oxides	557
PM10 Primary (Filt + Cond)	362
PM2.5 Primary (Filt + Cond)	294
Sulfur Dioxide	933
Volatile Organic Compounds	1054
Industrial Processes - Ferrous Metals	1313

Carbon Monoxide	233
Lead	815
Nitrogen Oxides	77
PM10 Primary (Filt + Cond)	58
PM2.5 Primary (Filt + Cond)	34
Sulfur Dioxide	72
Volatile Organic Compounds	24
Industrial Processes - Mining	4878
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	4350
PM2.5 Primary (Filt + Cond)	528
Sulfur Dioxide	
Volatile Organic Compounds	
Industrial Processes - NEC	33662
Carbon Monoxide	5595
Lead	2040
Nitrogen Oxides	3791
PM10 Primary (Filt + Cond)	5834
PM2.5 Primary (Filt + Cond)	4561
Sulfur Dioxide	1988
Volatile Organic Compounds	9853
Industrial Processes - Non-ferrous Metals	247
Carbon Monoxide	47
Lead	12
Nitrogen Oxides	112
PM10 Primary (Filt + Cond)	39
PM2.5 Primary (Filt + Cond)	29
Sulfur Dioxide	0
Volatile Organic Compounds	8
Industrial Processes - Oil & Gas Production	18
Carbon Monoxide	2
Lead	
Nitrogen Oxides	11
PM10 Primary (Filt + Cond)	1
PM2.5 Primary (Filt + Cond)	1
Sulfur Dioxide	2
Volatile Organic Compounds	1
Industrial Processes - Petroleum Refineries	2
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	2

Industrial Processes - Pulp & Paper	47790
Carbon Monoxide	10658
Lead	834
Nitrogen Oxides	9294
PM10 Primary (Filt + Cond)	3728
PM2.5 Primary (Filt + Cond)	3154
Sulfur Dioxide	6159
Volatile Organic Compounds	13963
Industrial Processes - Storage and Transfer	6074
Carbon Monoxide	5
Lead	
Nitrogen Oxides	4
PM10 Primary (Filt + Cond)	1217
PM2.5 Primary (Filt + Cond)	872
Sulfur Dioxide	
Volatile Organic Compounds	3976
Miscellaneous Non-Industrial NEC	6420
Carbon Monoxide	2991
Lead	14
Nitrogen Oxides	54
PM10 Primary (Filt + Cond)	580
PM2.5 Primary (Filt + Cond)	468
Sulfur Dioxide	0
Volatile Organic Compounds	2313
Mobile - Aircraft	43494
Carbon Monoxide	12229
Lead	21281
Nitrogen Oxides	7127
PM10 Primary (Filt + Cond)	256
PM2.5 Primary (Filt + Cond)	222
Sulfur Dioxide	692
Volatile Organic Compounds	1687
Mobile - Commercial Marine Vessels	4475
Carbon Monoxide	508
Lead	19
Nitrogen Oxides	3435
PM10 Primary (Filt + Cond)	77
PM2.5 Primary (Filt + Cond)	73
Sulfur Dioxide	83
Volatile Organic Compounds	280
Mobile - Locomotives	17207
Carbon Monoxide	2537
Lead	
Nitrogen Oxides	13287
PM10 Primary (Filt + Cond)	379
PM2.5 Primary (Filt + Cond)	368
Sulfur Dioxide	1

Volatile Organic Compounds	635
Mobile - Non-Road Equipment - Diesel	32476
Carbon Monoxide	9050
Lead	
Nitrogen Oxides	18829
PM10 Primary (Filt + Cond)	1429
PM2.5 Primary (Filt + Cond)	1387
Sulfur Dioxide	16
Volatile Organic Compounds	1765
Mobile - Non-Road Equipment - Gasoline	375564
Carbon Monoxide	337828
Lead	
Nitrogen Oxides	5437
PM10 Primary (Filt + Cond)	1338
PM2.5 Primary (Filt + Cond)	1232
Sulfur Dioxide	21
Volatile Organic Compounds	29708
Mobile - Non-Road Equipment - Other	8276
Carbon Monoxide	6627
Lead	
Nitrogen Oxides	1271
PM10 Primary (Filt + Cond)	61
PM2.5 Primary (Filt + Cond)	61
Sulfur Dioxide	25
Volatile Organic Compounds	231
Mobile - On-Road Diesel Heavy Duty Vehicles	89206
Carbon Monoxide	19313
Lead	
Nitrogen Oxides	58191
PM10 Primary (Filt + Cond)	4311
PM2.5 Primary (Filt + Cond)	2653
Sulfur Dioxide	157
Volatile Organic Compounds	4581
Mobile - On-Road Diesel Light Duty Vehicles	18377
Carbon Monoxide	12548
Lead	
Nitrogen Oxides	4206
PM10 Primary (Filt + Cond)	260
PM2.5 Primary (Filt + Cond)	172
Sulfur Dioxide	3
Volatile Organic Compounds	1188
Mobile - On-Road non-Diesel Heavy Duty Vehicles	22071
Carbon Monoxide	18606
Lead	
Nitrogen Oxides	2360
PM10 Primary (Filt + Cond)	131
PM2.5 Primary (Filt + Cond)	22

Sulfur Dioxide	14
Volatile Organic Compounds	938
Mobile - On-Road non-Diesel Light Duty Vehicles	913290
Carbon Monoxide	760640
Lead	
Nitrogen Oxides	85297
PM10 Primary (Filt + Cond)	5295
PM2.5 Primary (Filt + Cond)	1655
Sulfur Dioxide	1053
Volatile Organic Compounds	59350
Solvent - Consumer & Commercial Solvent Use	53807
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	53807
Solvent - Degreasing	5250
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	5250
Solvent - Dry Cleaning	35
Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	35
Solvent - Graphic Arts	17108
Carbon Monoxide	
Lead	
Nitrogen Oxides	1
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	17107
Solvent - Industrial Surface Coating & Solvent Use	15569
Carbon Monoxide	35
Lead	4
Nitrogen Oxides	46
PM10 Primary (Filt + Cond)	48

PM2.5 Primary (Filt + Cond)	46
Sulfur Dioxide	0
Volatile Organic Compounds	15390
Solvent - Non-Industrial Surface Coating	12314
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Carbon Monoxide	
Lead	
Nitrogen Oxides	
PM10 Primary (Filt + Cond)	
PM2.5 Primary (Filt + Cond)	
Sulfur Dioxide	
Volatile Organic Compounds	12314
Waste Disposal	257236
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Carbon Monoxide	189140
Lead	749
Nitrogen Oxides	6249
PM10 Primary (Filt + Cond)	23229
PM2.5 Primary (Filt + Cond)	22527
Sulfur Dioxide	216
Volatile Organic Compounds	15126
Grand Total	4605720

Table 2: Hazardous Air Pollutant (HAP) Inventory

POLLUTANT TYPE	HAP
Row Labels	Sum of EMISSIONS
Agriculture - Crops & Livestock Dust	
Agriculture - Fertilizer Application	
Agriculture - Livestock Waste	1475670
Biogenics - Vegetation and Soil	225439353
Bulk Gasoline Terminals	256727
Commercial Cooking	662060
Dust - Construction Dust	
Dust - Paved Road Dust	
Dust - Unpaved Road Dust	
Fires - Agricultural Field Burning	1693485
Fires - Prescribed Fires	34751537
Fires - Wildfires	8755554
Fuel Comb - Comm/Institutional - Biomass	44
Fuel Comb - Comm/Institutional - Coal	468959
Fuel Comb - Comm/Institutional - Natural Gas	9229
Fuel Comb - Comm/Institutional - Oil	25
Fuel Comb - Comm/Institutional - Other	201
Fuel Comb - Electric Generation - Biomass	96948
Fuel Comb - Electric Generation - Coal	97044
Fuel Comb - Electric Generation - Natural Gas	220730
Fuel Comb - Electric Generation - Oil	358
Fuel Comb - Electric Generation - Other	
Fuel Comb - Industrial Boilers, ICEs - Biomass	863057
Fuel Comb - Industrial Boilers, ICEs - Coal	3270340
Fuel Comb - Industrial Boilers, ICEs - Natural Gas	795543
Fuel Comb - Industrial Boilers, ICEs - Oil	8721
Fuel Comb - Industrial Boilers, ICEs - Other	75057
Fuel Comb - Residential - Natural Gas	8639
Fuel Comb - Residential - Oil	13
Fuel Comb - Residential - Other	673
Fuel Comb - Residential - Wood	2931115
Gas Stations	5707404
Industrial Processes - Cement Manuf	16
Industrial Processes - Chemical Manuf	240674
Industrial Processes - Ferrous Metals	2904
Industrial Processes - Mining	
Industrial Processes - NEC	2954013
Industrial Processes - Non-ferrous Metals	88326

Industrial Processes - Oil & Gas Production	1
Industrial Processes - Petroleum Refineries	
Industrial Processes - Pulp & Paper	7605226
Industrial Processes - Storage and Transfer	338766
Miscellaneous Non-Industrial NEC	1000504
Mobile - Aircraft	887148
Mobile - Commercial Marine Vessels	45607
Mobile - Locomotives	559517
Mobile - Non-Road Equipment - Diesel	1701576
Mobile - Non-Road Equipment - Gasoline	18991697
Mobile - Non-Road Equipment - Other	99983
Mobile - On-Road Diesel Heavy Duty Vehicles	1975875
Mobile - On-Road Diesel Light Duty Vehicles	418454
Mobile - On-Road non-Diesel Heavy Duty Vehicles	535890
Mobile - On-Road non-Diesel Light Duty Vehicles	32955582
Solvent - Consumer & Commercial Solvent Use	9670739
Solvent - Degreasing	3780068
Solvent - Dry Cleaning	498821
Solvent - Graphic Arts	2325390
Solvent - Industrial Surface Coating & Solvent Use	2806758
Solvent - Non-Industrial Surface Coating	3263309
Waste Disposal	3149887
Grand Total	383485217

NEI Emission Sectors	Sector Grouping
Agriculture - Crops & Livestock Dust	Agriculture
Agriculture - Fertilizer Application	Agriculture
Agriculture - Livestock Waste	Agriculture
Biogenics - Vegetation and Soil	Biogenics
Bulk Gasoline Terminals	Gasoline
Commercial Cooking	Commercial cooking
Dust - Construction Dust	Dust
Dust - Paved Road Dust	Dust
Dust - Unpaved Road Dust	Dust
Fires - Agricultural Field Burning	Fires
Fires - Prescribed Fires	Fires
Fires - Wildfires	Fires
Fuel Comb - Comm/Institutional - Biomass	Fuel Combustion
Fuel Comb - Comm/Institutional - Coal	Fuel Combustion
Fuel Comb - Comm/Institutional - Natural Gas	Fuel Combustion
Fuel Comb - Comm/Institutional - Oil	Fuel Combustion
Fuel Comb - Comm/Institutional - Other	Fuel Combustion
Fuel Comb - Electric Generation - Biomass	Fuel Combustion
Fuel Comb - Electric Generation - Coal	Fuel Combustion
Fuel Comb - Electric Generation - Natural Gas	Fuel Combustion
Fuel Comb - Electric Generation - Oil	Fuel Combustion
Fuel Comb - Electric Generation - Other	Fuel Combustion
Fuel Comb - Industrial Boilers, ICEs - Biomass	Fuel Combustion
Fuel Comb - Industrial Boilers, ICEs - Coal	Fuel Combustion
Fuel Comb - Industrial Boilers, ICEs - Natural Gas	Fuel Combustion
Fuel Comb - Industrial Boilers, ICEs - Oil	Fuel Combustion
Fuel Comb - Industrial Boilers, ICEs - Other	Fuel Combustion
Fuel Comb - Residential - Natural Gas	Fuel Combustion
Fuel Comb - Residential - Oil	Fuel Combustion
Fuel Comb - Residential - Other	Fuel Combustion
Fuel Comb - Residential - Wood	Fuel Combustion
Gas Stations	Gasoline
Industrial Processes - Cement Manuf	Industrial Processes
Industrial Processes - Chemical Manuf	Industrial Processes
Industrial Processes - Ferrous Metals	Industrial Processes
Industrial Processes - Mining	Industrial Processes
Industrial Processes - NEC	Industrial Processes
Industrial Processes - Non-ferrous Metals	Industrial Processes
Industrial Processes - Oil & Gas Production	Industrial Processes
Industrial Processes - Petroleum Refineries	Industrial Processes
Industrial Processes - Pulp & Paper	Industrial Processes
Industrial Processes - Storage and Transfer	Industrial Processes
Miscellaneous Non-Industrial NEC	Miscellaneous
Mobile - Aircraft	Mobile non-road equipment and vehicles
Mobile - Commercial Marine Vessels	Mobile non-road equipment and vehicles
Mobile - Locomotives	Mobile non-road equipment and vehicles

Mobile - Non-Road Equipment - Diesel	Mobile non-road equipment and vehicles
Mobile - Non-Road Equipment - Gasoline	Mobile non-road equipment and vehicles
Mobile - Non-Road Equipment - Other	Mobile non-road equipment and vehicles
Mobile - On-Road Diesel Heavy Duty Vehicles	Mobile on-road vehicles
Mobile - On-Road Diesel Light Duty Vehicles	Mobile on-road vehicles
Mobile - On-Road non-Diesel Heavy Duty Vehicles	Mobile on-road vehicles
Mobile - On-Road non-Diesel Light Duty Vehicles	Mobile on-road vehicles
Solvent - Consumer & Commercial Solvent Use	Solvent
Solvent - Degreasing	Solvent
Solvent - Dry Cleaning	Solvent
Solvent - Graphic Arts	Solvent
Solvent - Industrial Surface Coating & Solvent Use	Solvent
Solvent - Non-Industrial Surface Coating	Solvent
Waste Disposal	Waste disposal