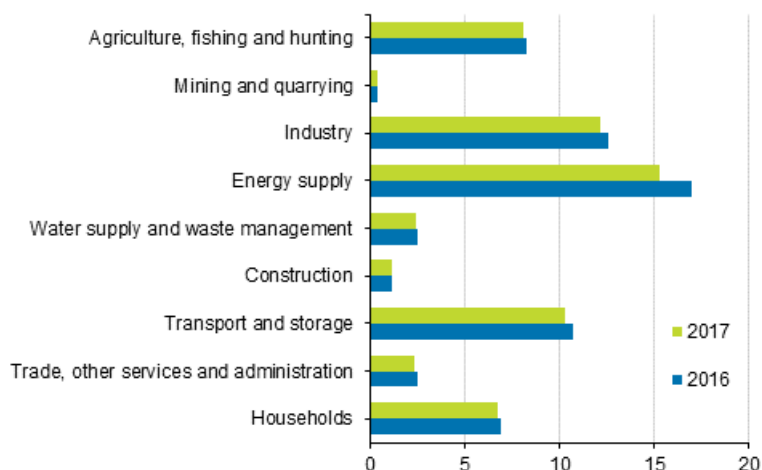


Emissions into air by industry 2017

Greenhouse gas emissions in energy supply and land transport declined in 2017

Greenhouse gas emissions produced by Finnish residents and other emissions into air not included in greenhouse gases decreased in 2017. Greenhouse gas emissions produced by Finnish residents in Finland and abroad amounted to 59 million tonnes, which was almost five per cent less than in the previous year. The drop was biggest in land transport, where emissions decreased by 10 per cent compared to 2016. Carbon dioxide emissions from biomass, in turn, grew by five per cent from the previous year, being 40 million tonnes. Other emissions than greenhouse gas emissions also decreased. The biggest drop of nearly 11 per cent was seen in sulphur dioxide emissions.

Greenhouse gas emissions by industry 2015 and 2016, million tonnes CO2 equivalent



The main reason for the reduction in greenhouse gas emissions was a decrease in emissions in energy supply. Emissions in energy supply declined by 10 per cent from the year before. All other emissions into air not included in greenhouse gases also decreased in energy supply compared to 2016. The biggest change, a 17 per cent drop, was seen in sulphur dioxide emissions.

Energy supply's annual emission volumes have varied considerably especially on account of electricity imports and production of fossil condensate energy, whose volumes are, in turn, dependent on the availability of hydro power in the Nordic electricity market.

The fact that the share of biofuels increased in transport fuels also lowered greenhouse gas emissions. This is particularly visible in the industry of land transport, where emissions fell by 10 per cent from the previous year, and in households where emissions decreased by close on two per cent compared to 2016.

Households' emissions generated in heating of dwellings remained almost unchanged compared to the previous year. Carbon dioxide emissions from biomass increased in energy supply by close on three per cent from 2016 as a result of increased use of biofuels. Carbon dioxide emissions from biomass are generated from combustion of biomass.

Emissions into air by industry groups 2017, tonnes

	Greenhouse gases (CO ₂ -foss, CH ₄ , N ₂ O, HFC, PFC, SF ₆) CO ₂ -eq.	Carbon dioxide emissions from biomass (CO ₂ -bio)	Particles, < 10 µm (PM 10)	Carbon monoxide (CO)	Ammonia (NH ₃)
Agriculture, fishing and aquaculture, hunting	7 763 349	802 582	3 110	18 435	27 826
Forestry	363 185	5 501	107	6 846	4
Mining and quarrying	441 488	381	1 162	1 477	0
Food industry	221 383	30 783	421	230	2
Forest industry	2 920 957	19 624 767	2 477	26 180	48
Oil refining and manufacture of chemicals	3 934 473	156 314	525	1 084	320
Manufacture of basic metals and fabricated metal products	3 380 660	3 877	391	1 516	115
Other industries	1 686 567	107 597	239	326	195
Energy management	15 265 769	11 771 117	1 256	20 886	12
Water supply and waste management	2 457 050	324 265	82	472	102
Construction	1 200 141	52 217	538	6 290	41
Trade	502 034	9 519	28	161	3
Land transport	3 819 231	520 055	3 294	3 673	396
Water transport	3 106 592	213 913	778	10 206	4
Air transport	3 216 582	19 929	236	4 933	12
Support activities for transportation, postal activities	117 902	21 346	360	487	4
Real estate activities	132 170	32 359	76	537	7
Other service activities and administration	1 687 621	201 685	1 712	20 260	78
Households	6 750 034	6 345 160	12 833	207 161	1 897
TOTAL	58 967 188	40 243 367	29 625	331 160	31 066

The statistics on emissions into air by industry are calculated according to the EU Regulation on environmental accounts. The goal of environmental accounts is to describe the interaction between the environment and the economy by mainly using the same basic concepts and classifications as national accounts (ESA 2010). The industrial classification and division used in the statistics differ from the sector division used in the reporting of the greenhouse gas emissions to the UNFCCC. The statistics do not take into consideration the amount of carbon dioxide absorbed by forest or other vegetation either.

Differing from the greenhouse gas inventory and greenhouse gas reporting, the statistics on emissions into air by industry also contain Finnish residents' emissions from land, water and air transport abroad. In turn, emissions by foreign citizens from transport on Finnish territory are subtracted from the emissions into air by industry. Due to definitional differences, the total volume of greenhouse gas emissions by industry is higher than in the Greenhouse Gas Inventory reported to the UNFCCC.

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Appendix tables

Appendix table 1. Greenhouse gas emissions (CO₂-fos, CH₄, N₂O, HFC, PFC, SF₆) by industry as carbon dioxide equivalents (CO₂ eq.) in 2008 to 2017, tonnes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	8 395 572	8 326 582	8 509 224	8 268 804	8 290 174	8 361 331	8 232 399	8 173 990	8 243 434	8 12
A 01, 03 Agriculture, fishing and aquaculture, hunting	8 067 593	8 020 169	8 183 939	7 930 712	7 942 889	8 007 826	7 885 440	7 833 779	7 887 227	7 76
A 02 Forestry	327 979	306 413	325 285	338 092	347 285	353 505	346 959	340 211	356 207	36
B Mining and quarrying	362 560	376 907	473 616	487 814	501 541	418 584	441 544	390 224	378 676	44
C Manufacturing	19 403 376	15 332 668	16 653 773	16 399 705	14 651 448	14 463 168	13 014 268	12 745 501	12 561 404	12 14
C 10 - 12 Food industry, etc.	235 396	318 679	316 784	326 724	293 807	306 986	308 811	229 729	241 996	22
C 16, 17 Forest industry	4 258 747	3 515 641	3 987 020	3 686 342	3 278 482	3 257 730	3 186 460	3 162 044	3 114 928	2 92
C 19, 20 Oil refining and manufacture of chemicals	6 313 626	5 308 836	4 676 311	4 722 566	4 436 813	4 585 036	4 449 730	4 356 943	3 913 380	3 93
C 24, 25 Manufacture of basic metals and fabricated metal products	6 480 559	4 744 776	5 993 440	5 922 058	5 104 172	4 787 481	3 618 248	3 571 454	3 698 090	3 38
C 13 - 15, 18, 21 - 23, 26 - 33 Other industries	2 115 048	1 444 736	1 680 218	1 742 015	1 538 174	1 525 935	1 451 019	1 425 331	1 593 010	1 68
D Energy management	20 707 125	21 978 363	27 334 237	21 200 261	17 437 681	18 844 184	17 684 638	14 731 304	16 942 428	15 26
E Water supply and waste management	3 186 889	3 135 566	3 135 360	3 019 355	3 028 235	2 959 465	2 819 387	2 688 616	2 561 930	2 45
F Construction	1 280 352	1 389 496	1 583 384	1 396 559	1 449 055	1 519 619	1 287 540	1 075 098	1 144 783	1 20
G Trade	574 136	565 132	669 546	615 221	641 539	623 182	633 106	525 020	525 714	50
H Transportation and storage	10 344 309	10 122 462	10 564 510	10 839 653	10 829 529	10 431 630	9 314 401	9 550 853	10 677 448	10 26
H 49 Land transport	4 629 440	4 430 743	4 560 044	4 592 545	4 785 837	4 162 189	3 451 212	3 588 846	4 262 015	3 81
H 50 Water transport	2 627 594	2 952 261	3 298 565	3 124 794	3 294 300	3 083 401	2 713 125	2 682 448	3 187 354	3 10
H 51 Air transport	2 852 240	2 553 408	2 579 817	3 021 446	2 638 042	3 062 804	3 035 813	3 161 413	3 103 902	3 21
H 52, 53 Support activities for transportation, postal activities	235 035	186 050	126 084	100 868	111 350	123 236	114 251	118 146	124 177	11

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
L Real estate activities	157 813	147 673	211 418	125 099	114 126	93 579	80 374	126 205	140 905	13
I - K, M - S Other service activities and administration	1 906 469	1 860 902	1 902 324	1 855 793	1 800 757	1 889 690	1 729 012	1 648 686	1 842 534	1 68
Households	8 090 651	7 628 251	7 859 275	7 028 506	7 036 916	6 767 787	6 719 188	6 662 100	6 873 931	6 75
TOTAL	74 409 252	70 864 002	78 896 667	71 236 770	65 781 001	66 372 219	61 955 857	58 317 597	61 893 187	58 96

Appendix table 2. Carbon dioxide emissions from biomass fuels (CO2-bio) by industry in 2008 to 2017, tonnes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	578 923	655 194	767 427	662 894	778 726	871 074	837 296	755 382	808 294	80
A 01, 03 Agriculture, fishing and aquaculture, hunting	578 006	651 242	761 397	654 566	773 523	867 202	829 857	748 864	805 784	80
A 02 Forestry	917	3 952	6 030	8 328	5 203	3 872	7 439	6 518	2 510	
B Mining and quarrying	0	2 692	4 653	5 729	5 240	5 619	3 798	5 140	5 083	
C Manufacturing	17 715 344	14 391 522	16 846 878	16 807 645	17 179 844	18 014 513	18 192 226	18 114 552	18 838 418	19 92
C 10 - 12 Food industry, etc.	32 894	24 940	25 666	26 035	28 402	24 287	29 396	16 045	18 060	3
C 16, 17 Forest industry	17 576 887	14 230 369	16 656 071	16 621 705	16 980 923	17 777 044	17 943 627	17 879 763	18 546 187	19 62
C 19, 20 Oil refining and manufacture of chemicals	75 429	96 742	97 383	83 504	86 232	127 532	133 174	131 296	165 228	15
C 24, 25 Manufacture of basic metals and fabricated metal products	242	1 472	2 042	1 553	2 146	2 107	2 640	2 690	2 884	
C 13 - 15, 18, 21 - 23, 26 - 33 Other industries	29 892	37 999	65 716	74 848	82 141	83 543	83 389	84 758	106 059	10
D Energy management	7 805 480	7 399 098	9 369 829	9 954 834	10 537 412	10 795 432	10 834 365	10 591 513	11 455 512	11 77
E Water supply and waste management	104 333	127 252	153 837	159 895	214 523	338 971	365 981	334 104	315 241	32
F Construction	3 137	21 235	31 739	41 827	31 444	45 847	98 399	64 781	19 086	5
G Trade	15 870	16 527	40 691	27 671	32 741	20 731	35 752	10 965	7 116	
H Transportation and storage	208 821	336 028	330 114	406 836	414 955	490 444	936 120	967 242	429 601	77
H 49 Land transport	46 156	135 144	128 682	215 047	212 310	276 927	695 357	736 542	189 517	52
H 50 Water transport	115 397	154 110	171 148	164 272	172 637	173 189	185 271	180 386	210 213	21
H 51 Air transport	6 719	9 939	9 089	12 403	13 945	19 630	31 416	27 340	13 124	1
H 52, 53 Support activities for transportation, postal activities	40 549	36 835	21 195	15 114	16 063	20 698	24 076	22 974	16 747	2
L Real estate activities	35 677	30 951	52 594	25 924	22 765	21 059	25 212	35 622	25 784	3

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
I - K, M - S Other service activities and administration	110 552	121 532	130 261	152 146	160 593	164 856	265 641	244 310	138 528	20
Households	6 029 470	6 435 572	7 141 816	6 187 624	6 651 639	6 068 908	6 299 522	5 980 498	6 279 409	6 34
TOTAL	32 607 607	29 537 603	34 869 839	34 433 025	36 029 882	36 837 454	37 894 312	37 104 109	38 322 072	40 24

Appendix table 3. Ammonia emissions (NH₃) by industry in 2008 to 2017, tonnes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	30 661	30 986	31 453	30 781	30 359	30 018	30 301	28 908	28 568	27 830
A 01, 03 Agriculture, fishing and aquaculture, hunting	30 654	30 980	31 448	30 775	30 354	30 013	30 297	28 904	28 564	27 826
A 02 Forestry	7	6	5	6	5	5	4	4	4	4
B Mining and quarrying	0	0	0	0	0	0	0	0	0	0
C Manufacturing	925	967	758	677	690	634	774	644	575	680
C 10 - 12 Food industry, etc.	2	1	1	2	2	0	0	1	1	2
C 16, 17 Forest industry	83	158	218	115	32	54	23	18	50	48
C 19, 20 Oil refining and manufacture of chemicals	208	488	269	265	338	320	415	404	298	320
C 24, 25 Manufacture of basic metals and fabricated metal products	393	196	131	96	156	84	126	73	115	115
C 13 - 15, 18, 21 - 23, 26 - 33 Other industries	239	124	139	199	162	176	210	148	111	195
D Energy management	3	8	4	1	4	4	16	13	14	12
E Water supply and waste management	138	147	149	151	134	135	134	110	102	102
F Construction	63	70	78	67	57	60	49	39	46	41
G Trade	6	5	11	8	8	9	10	3	3	3
H Transportation and storage	685	561	452	478	441	364	360	451	462	416
H 49 Land transport	648	525	421	447	411	326	327	423	437	396
H 50 Water transport	4	5	6	6	5	5	5	5	5	4
H 51 Air transport	21	23	20	22	21	29	25	18	15	12
H 52, 53 Support activities for transportation, postal activities	12	8	5	3	4	4	3	5	5	4
L Real estate activities	9	9	8	6	5	4	3	8	8	7
I - K, M - S Other service activities and administration	142	148	137	125	103	107	90	93	93	78
Households	2 346	2 457	2 598	2 289	2 351	2 206	2 169	1 940	1 927	1 897
TOTAL	34 978	35 358	35 648	34 583	34 152	33 541	33 906	32 209	31 798	31 066

Appendix table 4. Sulphur dioxide emissions (SO₂) by industry in 2008 to 2017, tonnes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	1 295	1 292	1 333	1 128	984	949	844	813	895	854
A 01, 03 Agriculture, fishing and aquaculture, hunting	1 294	1 291	1 332	1 127	983	948	843	812	894	853
A 02 Forestry	1	1	1	1	1	1	1	1	1	1
B Mining and quarrying	202	118	172	175	190	142	130	104	108	108
C Manufacturing	33 573	26 002	27 107	27 052	21 764	20 604	19 243	21 000	17 465	16 254
C 10 - 12 Food industry, etc.	501	900	787	840	594	661	728	500	500	420
C 16, 17 Forest industry	7 255	5 332	5 889	4 793	5 226	5 128	4 627	4 463	4 227	3 586
C 19, 20 Oil refining and manufacture of chemicals	13 852	10 387	11 097	11 951	9 451	9 292	9 371	10 868	8 159	6 697
C 24, 25 Manufacture of basic metals and fabricated metal products	9 681	8 032	8 034	8 449	5 347	4 239	3 819	4 475	4 025	4 761
C 13 - 15, 18, 21 - 23, 26 - 33 Other industries	2 284	1 351	1 300	1 019	1 146	1 284	698	694	554	790
D Energy management	26 394	25 847	31 930	26 563	22 701	21 812	18 706	16 001	17 381	14 362
E Water supply and waste management	80	64	89	38	38	46	59	42	50	55
F Construction	124	129	147	96	112	125	124	73	76	17
G Trade	51	52	127	79	97	48	50	18	17	17
H Transportation and storage	18 079	16 810	12 709	11 066	10 905	10 035	9 161	2 822	3 176	3 161
H 49 Land transport	120	127	99	81	76	60	62	36	38	39
H 50 Water transport	17 105	15 923	11 894	10 180	10 117	9 160	8 284	1 946	2 313	2 260
H 51 Air transport	720	644	651	762	665	755	759	795	778	813
H 52, 53 Support activities for transportation, postal activities	134	116	65	43	47	60	56	45	47	49
L Real estate activities	121	98	168	76	68	59	61	72	72	73
I - K, M - S Other service activities and administration	336	348	384	376	440	395	375	352	365	371
Households	2 164	2 235	2 471	2 000	2 133	1 906	1 893	1 754	1 846	1 722
TOTAL	82 419	72 995	76 637	68 649	59 432	56 121	50 646	43 051	41 451	36 994

Appendix table 5. Nitrogen dioxide emissions (NO2) by industry in 2008 to 2017, tonnes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	12 533	11 823	11 559	10 862	10 769	10 719	9 671	8 454	7 810	7 156
A 01, 03 Agriculture, fishing and aquaculture, hunting	10 586	10 201	10 031	9 450	9 480	9 504	8 672	7 675	7 145	6 609
A 02 Forestry	1 947	1 622	1 528	1 412	1 289	1 215	999	779	665	547
B Mining and quarrying	3 090	2 996	2 804	2 467	2 602	2 360	2 199	1 962	1 659	1 779
C Manufacturing	39 495	31 960	34 564	33 680	32 077	32 727	31 708	29 862	29 479	29 537
C 10 - 12 Food industry, etc.	562	635	578	608	499	481	527	401	398	394
C 16, 17 Forest industry	22 240	17 300	20 169	19 438	19 506	19 794	19 694	19 152	19 542	19 412
C 19, 20 Oil refining and manufacture of chemicals	6 753	6 901	5 660	5 452	4 910	5 363	4 477	4 282	3 793	3 645
C 24, 25 Manufacture of basic metals and fabricated metal products	4 820	3 854	4 706	4 584	4 070	3 740	4 112	3 444	3 508	3 555
C 13 - 15, 18, 21 - 23, 26 - 33 Other industries	5 120	3 270	3 451	3 598	3 092	3 349	2 898	2 583	2 238	2 531
D Energy management	37 009	36 345	43 944	36 479	33 147	32 793	30 762	26 621	27 110	26 266
E Water supply and waste management	935	1 102	1 088	1 003	1 063	1 201	1 340	1 118	1 068	1 013
F Construction	10 689	10 978	11 275	9 549	9 654	9 538	8 314	6 713	6 184	6 267
G Trade	300	244	562	406	417	447	577	158	169	171
H Transportation and storage	85 016	86 395	91 612	87 407	88 888	84 144	75 454	72 869	78 597	75 928
H 49 Land transport	26 685	24 507	23 776	23 302	23 988	21 124	19 636	19 290	18 234	16 252
H 50 Water transport	46 050	50 832	57 201	51 781	53 981	50 721	43 402	40 829	47 830	46 946
H 51 Air transport	11 349	10 370	10 110	11 887	10 475	11 859	11 977	12 285	12 114	12 356
H 52, 53 Support activities for transportation, postal activities	932	686	525	437	444	440	439	465	419	374
L Real estate activities	454	470	575	380	347	276	229	427	411	368
I - K, M - S Other service activities and administration	7 546	6 989	6 800	6 460	5 764	6 173	6 521	5 980	5 910	5 212
Households	36 880	32 058	30 553	25 988	23 602	21 787	21 300	20 382	19 248	18 570
TOTAL	233 947	221 360	235 336	214 681	208 330	202 165	188 075	174 546	177 645	172 267

Appendix table 6. Carbon monoxide emissions (CO) by industry in 2008 to 2017, tonnes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	21 432	22 555	25 153	24 357	26 941	27 400	25 878	24 299	25 525	25 281
A 01, 03 Agriculture, fishing and aquaculture, hunting	16 383	17 162	19 102	16 588	19 054	20 558	19 157	17 770	19 091	18 435
A 02 Forestry	5 049	5 393	6 051	7 769	7 887	6 842	6 721	6 529	6 434	6 846
B Mining and quarrying	1 686	1 753	1 743	1 621	1 798	1 723	1 623	1 500	1 343	1 477
C Manufacturing	34 672	27 824	32 669	32 668	26 417	27 510	28 095	27 468	28 551	29 336
C 10 - 12 Food industry, etc.	279	250	267	272	244	231	232	178	177	230
C 16, 17 Forest industry	25 532	20 020	23 843	23 551	23 323	24 102	24 645	24 269	25 260	26 180
C 19, 20 Oil refining and manufacture of chemicals	1 589	1 504	1 468	1 511	1 348	1 334	1 276	1 215	1 107	1 084
C 24, 25 Manufacture of basic metals and fabricated metal products	6 753	5 658	6 662	6 897	1 136	1 482	1 601	1 490	1 676	1 516
C 13 - 15, 18, 21 - 23, 26 - 33 Other industries	519	392	429	437	366	361	341	316	331	326
D Energy management	16 309	16 193	19 183	18 030	18 229	17 670	18 266	18 286	20 658	20 886
E Water supply and waste management	1 532	1 426	1 120	914	886	1 053	788	499	485	472
F Construction	8 881	8 373	8 504	7 939	8 216	8 102	7 305	6 459	5 993	6 290
G Trade	980	661	1 093	765	827	558	504	160	167	161
H Transportation and storage	23 155	22 619	22 523	22 110	21 953	21 138	19 890	18 963	20 123	19 299
H 49 Land transport	7 178	6 823	6 314	5 960	6 048	5 078	4 617	4 327	4 164	3 673
H 50 Water transport	6 973	8 405	9 562	9 271	10 009	9 617	8 864	8 681	10 373	10 206
H 51 Air transport	7 062	6 139	5 859	6 278	5 260	5 737	5 855	5 455	5 091	4 933
H 52, 53 Support activities for transportation, postal activities	1 942	1 252	788	601	636	706	554	500	495	487
L Real estate activities	828	680	1 076	542	479	421	422	537	541	537
I - K, M - S Other service activities and administration	39 799	31 748	29 056	26 518	25 477	25 617	22 104	21 738	21 540	20 260
Households	270 036	266 234	270 956	239 627	240 499	224 902	225 108	213 409	215 580	207 161
TOTAL	419 310	400 066	413 076	375 091	371 722	356 094	349 983	333 318	340 506	331 160

Appendix table 7. Particulate matter emissions (PM 10) by industry in 2008 to 2017, tonnes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	4 007	3 855	3 604	3 642	3 592	3 686	3 601	3 375	3 374	3 217
A 01, 03 Agriculture, fishing and aquaculture, hunting	3 841	3 703	3 444	3 467	3 431	3 548	3 477	3 265	3 267	3 110
A 02 Forestry	166	152	160	175	161	138	124	110	107	107
B Mining and quarrying	1 451	2 465	2 157	2 042	1 296	2 561	2 266	1 299	1 160	1 162
C Manufacturing	6 704	4 980	6 011	5 200	4 380	4 018	4 108	4 210	4 458	4 053
C 10 - 12 Food industry, etc.	522	639	494	585	470	439	449	447	422	421
C 16, 17 Forest industry	3 166	2 130	2 787	2 430	2 636	2 351	2 389	2 639	2 498	2 477
C 19, 20 Oil refining and manufacture of chemicals	407	450	471	410	543	641	600	611	602	525
C 24, 25 Manufacture of basic metals and fabricated metal products	2 167	1 455	1 938	1 526	509	360	435	325	491	391
C 13 - 15, 18, 21 - 23, 26 - 33 Other industries	442	306	321	249	222	227	235	188	445	239
D Energy management	2 265	1 879	2 224	1 990	1 743	1 645	1 460	1 350	1 452	1 256
E Water supply and waste management	105	121	108	100	102	127	106	84	90	82
F Construction	728	749	784	704	662	648	573	498	549	538
G Trade	44	39	84	62	66	63	78	27	31	28
H Transportation and storage	6 800	6 061	5 757	5 523	5 522	4 455	4 348	4 508	5 075	4 668
H 49 Land transport	3 397	2 831	2 398	2 678	2 658	2 101	2 217	3 075	3 432	3 294
H 50 Water transport	2 298	2 273	2 311	1 697	1 957	1 731	1 466	748	985	778
H 51 Air transport	255	264	246	283	264	331	325	299	263	236
H 52, 53 Support activities for transportation, postal activities	850	693	802	865	643	292	340	386	395	360
L Real estate activities	68	66	82	53	48	36	33	73	80	76
I - K, M - S Other service activities and administration	1 561	1 653	1 723	1 704	1 705	1 603	1 588	1 603	1 815	1 712
Households	14 636	15 434	16 801	14 740	15 578	14 384	14 381	12 804	12 964	12 833
TOTAL	38 369	37 302	39 335	35 760	34 694	33 226	32 542	29 831	31 048	29 625

Appendix table 8. Particulate matter emissions (PM 2.5) by industry in 2008 to 2017, tonnes

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	1 620	1 553	1 440	1 410	1 377	1 410	1 341	1 211	1 176	1 148
A 01, 03 Agriculture, fishing and aquaculture, hunting	1 476	1 420	1 299	1 256	1 235	1 290	1 235	1 120	1 090	1 062
A 02 Forestry	144	133	141	154	142	120	106	91	86	86
B Mining and quarrying	1 013	1 722	1 502	1 398	902	1 464	1 332	742	649	650
C Manufacturing	4 741	3 392	4 135	3 523	3 159	2 832	2 939	2 909	3 077	2 921
C 10 - 12 Food industry, etc.	459	530	443	501	427	402	406	410	397	395
C 16, 17 Forest industry	2 238	1 471	1 955	1 692	1 866	1 631	1 670	1 749	1 729	1 726
C 19, 20 Oil refining and manufacture of chemicals	237	263	292	249	318	371	347	358	341	326
C 24, 25 Manufacture of basic metals and fabricated metal products	1 509	911	1 225	906	403	271	344	256	378	311
C 13 - 15, 18, 21 - 23, 26 - 33 Other industries	298	217	220	175	145	157	172	136	232	163
D Energy management	801	672	757	652	607	554	470	455	461	401
E Water supply and waste management	50	44	41	41	40	49	44	27	28	24
F Construction	495	480	469	410	397	376	335	296	288	286
G Trade	17	16	35	24	26	22	26	8	9	8
H Transportation and storage	3 750	3 455	3 334	2 777	2 972	2 582	2 331	1 830	2 088	1 791
H 49 Land transport	1 213	973	814	850	826	664	675	890	952	877
H 50 Water transport	2 233	2 204	2 234	1 635	1 898	1 672	1 405	687	912	709
H 51 Air transport	185	183	169	194	171	204	207	203	174	159
H 52, 53 Support activities for transportation, postal activities	119	95	117	98	77	42	44	50	50	46
L Real estate activities	30	27	38	21	19	15	14	26	27	25
I - K, M - S Other service activities and administration	657	632	663	600	589	560	532	517	551	510
Households	11 530	12 006	13 039	11 214	11 937	11 004	11 033	10 102	10 633	10 421
TOTAL	24 704	23 999	25 453	22 070	22 025	20 868	20 397	18 123	18 987	18 185

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Source: Emissions into air by industry 2017, Statistics Finland