

Recalculations - Sulphur Oxides

The negligibly small changes in the **National Total** reported for **1990 (-4.15 kt or -0.08 %)** result almost entirely from revised emission estimates in the sub-categories of **NFR 1.A.3.b** together with less significant changes throughout **NFR 1** with the strongest change occurring for **2.C.1 with minus 25 kt** but resulting from a re-allocation of emissions to **NFR 2.C.7.c**.

The strongest percental change, however, occurs for **2.C.1 with minus 85 %**.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[kt]		relative	see description and reasoning in:	
NATIONAL TOTAL	5.459,96	5.460,81	0,85	0,02%	sub-category chapters
NFR 1 - Energy	5.284,38	5.284,38	0,00	0,00%	sub-category chapters
1.A.2.g vii	2,72	2,66	-0,06	-2,15%	here
1.A.4.a ii	0,55	0,53	-0,01	-2,16%	here
1.A.4.c ii	5,69	5,76	0,07	1,24%	here
NFR 2 - IPPU	175,54	176,39	0,85	0,49%	sub-category chapters
2.B.6	1,73	2,58	0,85	49,5%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0,03	0,03	0,00	0,00%	
NFR 6 - Other	NA				

Changes in the **National Total** reported for **2021 (-4.11 kt or -1.62 %)** result mainly from a revision in **NFR sub-category 1.A.2.g viii (-4.45 kt)** together with less relevant changes throughout **NFRs 1, 2 and 5**.

The most significant percental change occurs for **NFR 5.C.2 with minus 85 %**.

Table 2: Changes in emission estimates for 2021

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[kt]		relative	see description and reasoning in:	
NATIONAL TOTAL	254.47	250.36	-4.11	-1.62%	sub-category chapters
NFR 1 - Energy	188.07	183.19	-4.88	-2.59%	sub-category chapters
1.A.1.a	96.19	95.21	-0.98	-1.02%	here
1.A.1.b	31.20	31.19	-0.01	-0.04%	here
1.A.1.c	6.09	6.43	0.35	5.68%	here
1.A.2.a	4.54	4.43	-0.10	-2.28%	here
1.A.2.b	0.288	0.333	0.045	15.5%	here
1.A.2.e	0.61	0.68	0.07	11.3%	here
1.A.2.g vii	0.019	0.013	-0.006	-31.6%	here
1.A.2.g viii	28.02	23.57	-4.45	-15.9%	here
1.A.3.a i(i)	0.297	0.296	-0.001	-0.22%	here
1.A.3.a ii(i)	0.065	0.062	-0.004	-5.40%	here
1.A.3.b i	0.4575	0.4533	-0.0042	-0.93%	here
1.A.3.b ii	0.067	0.066	-0.001	-2.08%	here
1.A.3.b iii	0.221	0.223	0.001	0.54%	here
1.A.3.b iv	0.0065	0.0065	0.0001	1.02%	here
1.A.3.c	0.215413	0.215415	0.000002	0.001%	here
1.A.3.d ii	0.338	0.338	0.001	0.20%	here
1.A.4.a i	1.34	1.18	-0.16	-12.2%	here
1.A.4.a ii	0.003922	0.004057	0.000135	3.45%	here
1.A.4.b i	10.61	10.91	0.30	2.84%	here
1.A.4.b ii	0.00119	0.00125	0.00005	4.60%	here
1.A.4.c i	1.756	1.760	0.005	0.27%	here

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]			relative	see description and reasoning in:
NATIONAL TOTAL	254.47	250.36	-4.11	-1.62%	sub-category chapters
NFR 1 - Energy	188.07	183.19	-4.88	-2.59%	sub-category chapters
1.A.4.c ii	0.023	0.030	0.007	29.1%	here
1.A.5.a	0.0152	0.0154	0.0002	1.17%	here
1.B.1.b	0.743	0.817	0.074	9.97%	here
NFR 2 - IPPU	66.29	67.08	0.79	1.19%	sub-category chapters
2.A.3	8.15	7.85	-0.31	-3.76%	here
2.B.6	0.83	0.78	-0.06	-6.66%	here
2.B.10.a	10.04	11.19	1.15	11.5%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0.112	0.089	-0.023	-20.4%	sub-category chapters
5.C.2	0.027	0.004	-0.023	-85.0%	here
NFR 6 - Other	NA				