

Recalculations - Carbon monoxide (CO)

The small changes in the **National Total** reported for **1990 (+1.11 kt or +0.01 %)** are dominated by revisions in NFRs **1.A.2.g vii, 1.A.3.d ii, 1.A.4.c ii and 1.B.1.b**.

Here, the strongest percental change occurs for **NFR 1.B.1.b with minus -93.1 %**

Table 1: Changes in emission estimates for 1990

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]		absolute	relative	see description and reasoning in:
NATIONAL TOTAL	13.319,09	13.320,20	1,11	0,01%	sub-category chapters
NFR 1 - Energy	12.045,28	12.050,36	5,08	0,04%	sub-category chapters
1.A.2.g vii	82,82	74,39	-8,43	-10,2%	here
1.A.3.a i(i)	3,42	3,23	-0,19	-5,63%	here
1.A.3.a ii(i)	6,18	6,25	0,07	1,12%	here
1.A.3.c	12,54	12,58	0,04	0,34%	here
1.A.3.d ii	13,32	21,53	8,22	61,7%	here
1.A.4.a ii	7,03	6,17	-0,85	-12,1%	here
1.A.4.c ii	100,78	110,83	10,05	9,97%	here
1.B.1.b	4,12	0,29	-3,83	-93,1%	here
NFR 2 - IPPU	1.248,77	1.248,77	0,00	0,00%	
NFR 3 - Agriculture	0,00	0,00	0,00		
NFR 5 - Waste	25,04	21,08	-3,97	-15,8%	sub-category chapters
5.C.2	25,02	21,05	-3,97	-15,8%	here
NFR 6 - Other	0,00	0,00	0,00		

The negligibly small changes in the **National Total** reported for **2020 (-1.53 kt or -0.06 %)** result mainly from **partly opposing revisions within NFRs 1.A and 2** together with other more or less significant revisions in NFRs 1 and 2.

Furthermore, CO emissions from NFR **2.H.1** have been estimated for the first time (NE -> 0.53 kt).

Here, the most significant percental change occurs for **NFR 2.A.3 with minus 34.3%**

Table 2: Changes in emission estimates for 2020

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]		absolute	relative	see description and reasoning in:
NATIONAL TOTAL	2.585,58	2.595,51	9,94	0,38%	sub-category chapters
NFR 1 - Energy	1.749,53	1.791,27	41,75	2,39%	sub-category chapters
1.A.1.a	90,09	89,42	-0,67	-0,74%	here
1.A.1.b	1,68	1,84	0,16	9,45%	here
1.A.1.c	11,99	12,09	0,10	0,87%	here
1.A.2.a	27,70	30,54	2,84	10,3%	here
1.A.2.b	0,134	0,138	0,004	2,74%	here
1.A.2.e	0,067	0,075	0,008	12,3%	here
1.A.2.f	1,23	1,44	0,21	17,1%	here
1.A.2.g vii	150,21	189,62	39,42	26,2%	here
1.A.2.g viii	19,03	18,17	-0,87	-4,55%	here
1.A.3.a i(i)	2,87	2,89	0,01	0,51%	here
1.A.3.a ii(i)	1,83	1,93	0,10	5,64%	here
1.A.3.b i	624,41	605,68	-18,73	-3,00%	here
1.A.3.b ii	39,92	37,45	-2,47	-6,20%	here
1.A.3.b iii	33,67	33,76	0,09	0,27%	here
1.A.3.b iv	61,38	59,10	-2,29	-3,72%	here
1.A.3.c	1,22	1,23	0,01	0,52%	here
1.A.3.d ii	3,45	7,59	4,13	120%	here

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]			relative	see description and reasoning in:
NATIONAL TOTAL	2.585,58	2.595,51	9,94	0,38%	sub-category chapters
NFR 1 - Energy	1.749,53	1.791,27	41,75	2,39%	sub-category chapters
1.A.4.a i	51,38	51,08	-0,30	-0,57%	here
1.A.4.a ii	1,97	1,83	-0,14	-7,28%	here
1.A.4.b i	444,88	446,48	1,60	0,36%	here
1.A.4.b ii	78,85	82,48	3,63	4,60%	here
1.A.4.c i	16,04	16,14	0,10	0,64%	here
1.A.4.c ii	68,37	87,21	<u>18,84</u>	27,6%	here
1.A.5.a	1,707	1,706	-0,001	-0,07%	here
1.A.5.b	10,472	10,473	0,001	0,01%	here
1.B.1.b	4,216	0,166	-4,050	-96,1%	here
NFR 2 - IPPU	828,16	797,58	-30,58	-3,69%	sub-category chapters
2.A.3	0,54	0,51	-0,03	-4,72%	here
2.C.3	91,65	61,10	<u>-30,55</u>	-33,3%	here
NFR 3 - Agriculture	0,00	0,00	0,00		
NFR 5 - Waste	7,89	6,66	-1,24	-15,7%	sub-category chapters
5.C.2	7,79	6,55	-1,24	-15,9%	here
NFR 6 - Other	0,00	0,00	0,00		