

Recalculations - Nitrogen Oxides

The marginal changes within the **National Total** reported for **1990 (-1.01kt or -0.04%)** are dominated by changes in NFRs **1.A.2.g vii** and **1.A.4.c ii** together with less significant revisions throughout NFRs 1, 2 and 3.

The most significant percental change occurs for **NFR 3.D.a.2.c with minus 92%**.

Table 1: Changes of emission estimates 1990

	Submission 2023		Submission 2024		
NFR Sector	[kt]			relative	see description and reasoning in:
NATIONAL TOTAL	2.843,28	2.842,27	-1,01	-0,04%	sub-category chapters
NFR 1 - Energy	2.599,50	2.597,94	-1,56	-0,06%	sub-category chapters
1.A.2.g vii	50.30	35.42	-14.88	-29.6%	here
1.A.3.a i(i)	3.68	3.66	-0.02	-0.48%	here
1.A.3.a ii(i)	2.60	2.60	-0.01	-0.25%	here
1.A.3.c	45.32	45.49	0.17	0.38%	here
1.A.3.d ii	51.47	51.59	0.11	0.22%	here
1.A.4.a ii	11.58	10.59	-1.00	-8.59%	here
1.A.4.c ii	49.23	63.59	14.37	29.2%	here
1.B.1.b	0.67	0.35	-0.32	-47.5%	here
NFR 2 - IPPU	100.73	100.73	0.00	0.00%	
NFR 3 - Agriculture	142.52	142.87	0.34	0.24%	sub-category chapters
3.B.4.g i	0.01425	0.01423	-0.00002	-0.14%	here
3.B.4.g iv	0.002480	0.002482	0.000002	0.08%	here
3.D.a.1	86.57	86.53	-0.03	-0.04%	here
3.D.a.2.a	44.52	44.59	0.07	0.15%	here
3.D.a.2.c	0.22	0.42	0.20	91.2%	here
3.D.a.3	8.40	8.50	0.10	1.17%	here
3.l	0.000083	0.000079	-0.000004	-5.19%	here
NFR 5 - Waste	0.53	0.74	0.21	39.2%	sub-category chapters
5.C.2	0.39	0.60	0.21	53.3%	
NFR 6 - Other	NA				

The small changes within the **National Total** reported for **2021 (-3.67 kt or -0.38 %)** result from a variety of **revisions in sub-categories of NFR 1** together with less significant revisions **throughout NFRs 2, 3 and 5**.

Here, the most significant percental change occurs for **NFR 5.C.2 with plus 53 %**.

Table 2: Changes of emission estimates 2020

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]			relative	see description and reasoning in:
NATIONAL TOTAL	968.78	965.11	-3.67	-0.38%	sub-category chapters
NFR 1 - Energy	801.62	800.31	-1.31	-0.16%	sub-category chapters
1.A.1.a	203.25	203.63	0.38	0.19%	here
1.A.1.b	13.53	13.76	0.24	1.76%	here
1.A.1.c	12.43	12.99	0.56	4.54%	here
1.A.2.a	3.98	3.84	-0.14	-3.56%	here
1.A.2.b	0.89	0.97	0.09	9.64%	here
1.A.2.e	0.17	0.20	0.03	16.6%	here
1.A.2.g vii	13.41	8.21	-5.21	-38.8%	here
1.A.2.g viii	71.15	69.69	-1.46	-2.05%	here
1.A.3.a i(i)	5.55	5.54	-0.01	-0.24%	here
1.A.3.a ii(i)	0.93	0.86	-0.07	-7.97%	here
1.A.3.b i	189.99	184.83	-5.16	-2.71%	here

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]		relative		see description and reasoning in:
NATIONAL TOTAL	968.78	965.11	-3.67	-0.38%	sub-category chapters
NFR 1 - Energy	801.62	800.31	-1.31	-0.16%	sub-category chapters
1.A.3.b ii	48.53	47.93	-0.60	-1.23%	here
1.A.3.b iii	79.01	79.19	0.18	0.23%	here
1.A.3.b iv	1.38	1.34	-0.04	-2.97%	here
1.A.3.c	8.84	8.86	0.02	0.18%	here
1.A.3.d ii	22.40	24.18	1.78	7.96%	here
1.A.4.a i	22.81	18.67	-4.14	-18.1%	here
1.A.4.a ii	7.10	7.18	0.08	1.12%	here
1.A.4.b i	56.85	61.60	4.75	8.36%	here
1.A.4.b ii	0.3913	0.4093	0.02	4.60%	here
1.A.4.c i	6.82	7.08	0.26	3.87%	here
1.A.4.c ii	26.21	33.67	7.45	28.4%	here
1.A.4.c iii	0.3132	0.3132	0.00	0.00%	here
1.A.5.a	0.275	0.275	0.000	0.01%	here
1.A.5.b	2.80	2.80	0.00	0.01%	here
1.B.1.b	0.61	0.28	-0.32	-53.1%	here
NFR 2 - IPPU	58.42	58.25	-0.17	-0.29%	sub-category chapters
2.A.3	11.13	10.95	-0.17	-1.56%	here
2.B.2	0.99	0.99	0.00	-0.06%	here
2.C.1	20.748	20.751	0.003	0.01%	here
NFR 3 - Agriculture	108.00	105.74	-2.26	-2.09%	sub-category chapters
3.B.1.a	0.492	0.493	0.001	0.19%	here
3.B.1.b	0.494	0.497	0.004	0.74%	here
3.B.3	0.226	0.222	-0.004	-1.81%	here
3.B.4.g i	0.0184	0.0185	0.0001	0.42%	here
3.B.4.g ii	0.0135	0.0135	0.0000	0.26%	here
3.B.4.g iii	0.00939	0.00941	0.00002	0.24%	here
3.B.4.g iv	0.00202	0.00202	0.000002	0.09%	here
3.D.a.1	51.30	49.08	-2.22	-4.32%	here
3.D.a.2.a	36.15	36.22	0.07	0.20%	here
3.D.a.2.b	0.49	0.47	-0.02	-3.85%	here
3.D.a.2.c	13.99	13.75	-0.24	-1.72%	here
3.D.a.3	4.59	4.78	0.19	4.15%	here
3.l	0.17	0.12	-0.05	-27.2%	here
NFR 5 - Waste	0.74	0.81	0.06	8.69%	sub-category chapters
5.C.2	0.12	0.19	0.06	53.3%	here
NFR 6 - Other	NA				