

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.I	0.000083	0.000079	-0.000004	-5.19%	
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.2	0,01	0,01	0,00	0,00%	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	0,00	0,00	0,00		