

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

“	absolute changes in emissions reported for 1990 ■ NATIONAL TOTAL ■ Energy ■ IPPU ■ Agriculture ■ Waste					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%	sub-category chapters			
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	0,00	0,00	0,00					

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
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		