

Recalculations - Nitrogen Oxides

The marginal changes within the **National Total** reported for **1990 (+3.77 kt or +0.13 %)** are dominated by changes in NFRs **1.A.3.d ii**, **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.B.4.e with plus 450 %**.

Table 1: Changes of emission estimates 1990

	Submission 2024		Submission 2025		
NFR Sector	[kt]			relative	see description and reasoning in:
NATIONAL TOTAL	2.842,27	2.846,04	3,77	0,13%	sub-category chapters
NFR 1 - Energy	2.597,94	2.599,34	1,40	0,05%	sub-category chapters
1.A.2.g vii	35,42	34,65	-0,76	-2,16%	here
1.A.3.d ii	51,59	53,25	1,66	3,22%	here
1.A.4.a ii	10,59	10,44	-0,15	-1,40%	here
1.A.4.c ii	63,59	64,29	0,69	1,09%	here
1.A.4.c iii	0,39	0,38	-0,01	-1,90%	here
1.A.5.b	41,20	41,17	-0,03	-0,08%	here
NFR 2 - IPPU	100,73	100,73	0,00	0,00%	
NFR 3 - Agriculture	142,87	145,23	2,36	1,65%	sub-category chapters
3.B.1.a	0,67	0,89	0,22	33,0%	here
3.B.1.b	0,6896	0,8427	0,15	22,2%	here
3.B.2	0,02	0,04	0,02	100%	here
3.B.3	0,28	0,36	0,08	28,1%	here
3.B.4.d	0,00114	0,00228	0,00114	100%	here
3.B.4.e	0,042	0,232	0,190	450%	here
3.B.4.g ii	0,00562	0,00560	-0,00002	-0,41%	here
3.B.4.g iii	0,00339	0,00343	0,00004	1,23%	here
3.B.4.g iv	0,0025	0,0028	0,0003	13,7%	here
3.B.4.h	0,0038	0,0077	0,0038	100%	here
3.D.a.2.a	44,59	45,94	1,35	3,04%	here
3.D.a.3	8,50	8,84	0,34	4,01%	here
NFR 5 - Waste	0,74	0,74	0,00	0,00%	
NFR 6 - Other	NA	NA	NA	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 2024	Submission 2025	Difference		Reasoning
NFR Sector	[kt]			relative	see description and reasoning in:
NATIONAL TOTAL	941,99	926,84	-15,15	-1,61%	sub-category chapters
NFR 1 - Energy	785,20	767,94	-17,26	-2,20%	sub-category chapters
1.A.1.a	213,35	200,36	-13,00	-6,09%	here
1.A.1.b	15,62	15,21	-0,41	-2,65%	here
1.A.1.c	12,31	12,09	-0,21	-1,73%	here
1.A.2.a	3,57	3,59	0,03	0,73%	here
1.A.2.b	0,87	0,90	0,04	4,20%	here
1.A.2.e	0,21	0,19	-0,01	-6,98%	here
1.A.2.g vii	6,56	6,11	-0,45	-6,83%	here
1.A.2.g viii	68,53	63,82	-4,71	-6,87%	here
1.A.3.a i(i)	8,30	8,31	0,01	0,14%	here

	Submission 2024	Submission 2025	Difference		Reasoning
NFR Sector	[kt]		relative		see description and reasoning in:
NATIONAL TOTAL	941,99	926,84	-15,15	-1,61%	sub-category chapters
NFR 1 - Energy	785,20	767,94	-17,26	-2,20%	sub-category chapters
1.A.3.a ii(i)	1,2796	1,2802	0,0006	0,04%	here
1.A.3.b i	178,53	178,82	0,29	0,16%	here
1.A.3.b ii	45,78	45,03	-0,75	-1,64%	here
1.A.3.b iii	70,08	70,78	0,70	1,00%	here
1.A.3.b iv	1,40	1,37	-0,03	-2,41%	here
1.A.3.c	7,84	7,85	0,01	0,07%	here
1.A.3.d ii	20,47	19,25	-1,22	-5,96%	here
1.A.4.a i	17,77	17,69	-0,07	-0,42%	here
1.A.4.a ii	6,38	6,08	-0,29	-4,58%	here
1.A.4.b i	59,79	61,02	1,23	2,06%	here
1.A.4.b ii	0,39	0,41	0,02	5,04%	here
1.A.4.c i	7,58	7,90	0,32	4,21%	here
1.A.4.c ii	32,56	33,58	1,02	3,14%	here
1.A.4.c iii	0,259	0,244	-0,015	-5,63%	here
1.A.5.a	0,259	0,259	0,00	0,00%	here
1.A.5.b	2,61	2,92	0,31	11,88%	here
1.B.1.b	0,28	0,23	-0,05	-18,66%	here
NFR 2 - IPPU	54,44	54,91	0,47	0,86%	sub-category chapters
2.A.2	3,642	3,715	0,07	1,98%	here
2.A.3	10,99	11,39	0,40	3,61%	here
2.B.3	0,102	0,101	-0,001	-0,87%	here
2.G	0,196	0,196	0,00	0,01%	here
NFR 3 - Agriculture	101,25	102,90	1,65	1,63%	sub-category chapters
3.B.1.a	0,485	0,544	0,06	12,07%	here
3.B.1.b	0,495	0,561	0,07	13,34%	here
3.B.2	0,01	0,02	0,01	100%	here
3.B.3	0,195	0,224	0,03	14,68%	here
3.B.4.d	0,00206	0,00406	0,00	96,41%	here
3.B.4.e	0,0393	0,2238	0,18	468%	here
3.B.4.g i	0,019	0,017	-0,002	-9,26%	here
3.B.4.g ii	0,0133	0,0126	-0,0007	-5,42%	here
3.B.4.g iii	0,0094	0,0077	-0,0017	-18,40%	here
3.B.4.g iv	0,002022	0,002057	0,000035	1,73%	here
3.B.4.h	0,0006	0,0012	0,0006	98,7%	here
3.D.a.1	45,46	44,29	-1,18	-2,59%	here
3.D.a.2.a	35,22	36,65	1,43	4,06%	here
3.D.a.2.b	0,474	0,476	0,002	0,33%	here
3.D.a.2.c	13,92	14,67	0,75	5,35%	here
3.D.a.3	4,78	5,11	0,33	7,01%	here
3.I	0,12	0,09	-0,03	-27,61%	here
NFR 5 - Waste	1,10	1,10	0,00	0,00%	
NFR 6 - Other		NA			