

Recalculations - Black Carbon (BC)

The changes within the **National Total** reported for **1995 (+1.07 kt or +2.81 %)** result form a **variety of revisions in NFRs 1 and 5** with the **most significant changes in sub-categories 1.A.2.g vii (-1.47 kt) and 1.A.4.c ii (+2.7 kt)**.

Table 1: Changes of emission estimates 2000

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[kt]			relative	
NATIONAL TOTAL	38.13	39.20	1.07	2.81%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	37.46	38.45	0.99	2.65%	sub-category chapters
1.A.2.g vii	2.28	0.81	-1.47	-64.4%	here
1.A.3.a i(i)	0.02843	0.02818	-0.00025	-0.89%	here
1.A.3.a ii(i)	0.0144	0.0141	-0.0004	-2.53%	here
1.A.3.b iii	9.9631	9.9550	-0.0081	-0.08%	here
1.A.3.d ii	0.7416	0.7423	0.0006	0.09%	here
1.A.4.a ii	0.49	0.26	-0.23	-47.4%	here
1.A.4.b i	1.87862	1.87862	0.00000	0.00%	here
1.A.4.b ii	0.00842	0.00844	0.00002	0.21%	here
1.A.4.c ii	3.97	6.68	2.70	68.1%	here
NFR 2 - IPPU	0.017	0.017	0.000	0.00%	
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0.65	0.73	0.08	11.8%	sub-category chapters
5.C.2	0.32	0.42	0.10	30.0%	here
5.E	0.33	0.31	-0.02	-5.87%	here
NFR 6 - Other	NA				

The changes within the **National Total** reported for **2021 (+0.32 kt or +3.25 %)** result form a **variety of revisions in NFRs 1 and 5** with the biggest change occurring for NFR sub-category **1.A.4.c ii with plus 0.57 kt**.

The most significant percental changes occur for **NFRs 1.A.2.g vii (minus 37 %)** and **1.A.4.c ii (plus 32 %)**.

Table 2: Changes of emission estimates 2021

NFR Sector	Submission 2024	Submission 2025	Difference		Reasoning
	[kt]			relative	
NATIONAL TOTAL	9,98	10,09	0,11	1,12%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	9,31	9,38	0,07	0,73%	sub-category chapters
1.A.1.a	0,03449	0,03442	-0,00007	-0,20%	here
1.A.1.b	0,030	0,035	0,005	15,69%	here
1.A.1.c	0,00038	0,00036	-0,00002	-5,17%	here
1.A.2.a	NE	NE	#WERT!	#WERT!	here
1.A.2.b	IE	IE	#WERT!	#WERT!	here
1.A.2.c	IE	IE	#WERT!	#WERT!	here
1.A.2.d	IE	IE	#WERT!	#WERT!	here
1.A.2.e	IE	IE	#WERT!	#WERT!	here
1.A.2.f	IE	IE	#WERT!	#WERT!	here
1.A.2.g vii	0,25	0,23	-0,02	-7,47%	here
1.A.2.g viii	0,067	0,032	-0,03	-51,71%	here
1.A.3.a i(i)	0,02449	0,02454	0,00005	0,19%	here
1.A.3.a ii(i)	0,006359	0,006362	0,000003	0,04%	here
1.A.3.b i	0,902	0,903	0,001	0,09%	here
1.A.3.b ii	0,681	0,669	-0,01	-1,69%	here
1.A.3.b iii	0,454	0,459	0,005	1,09%	here
1.A.3.b iv	0,179	0,174	-0,005	-2,98%	here

	Submission 2024	Submission 2025	Difference		Reasoning
NFR Sector	[kt]		relative	see description and reasoning in:	
NATIONAL TOTAL	9,98	10,09	0,11	1,12%	sub-category chapters
NFR 1 - Energy	9,31	9,38	0,07	0,73%	sub-category chapters
1.A.3.b v	NA	NA	#WERT!	#WERT!	here
1.A.3.b vi	1,733	1,733	0,00	0,00%	here
1.A.3.b vii	NE	NE	#WERT!	#WERT!	here
1.A.3.c	0,0861	0,0865	0,00	0,47%	here
1.A.3.d i(ii)	IE				
1.A.3.d ii	0,21	0,21	0,00	-1,82%	here
1.A.3.e i	NE	NE	#WERT!	#WERT!	1.A.3.e i - Pipeline Transport]
1.A.3.e ii	NA	NA	#WERT!	#WERT!	1.A.3.e ii - Other Transport: Other]
1.A.4.a i	0,51				here
1.A.4.a ii	0,11	0,10	-0,02	-16,04%	here
1.A.4.b i	1,65	1,76	0,11	6,49%	here
1.A.4.b ii	0,007	0,005	-0,001	-20,20%	here
1.A.4.c i	0,088	0,087	-0,001	-1,35%	here
1.A.4.c ii	2,21	2,26	0,05	2,34%	here
1.A.4.c iii	0,003	0,003	0,00	0,00%	here
1.A.5.a	0,01	0,01	0,00	0,00%	here
1.A.5.b	0,03	0,04	0,01	39,36%	here
1.B.1.a	NA	NA	#WERT!	#WERT!	here
1.B.1.b	0,02	0,02	0,00	0,00%	here
1.B.1.c	NA	NA	#WERT!	#WERT!	here
1.B.2.a i	NA	NA	#WERT!	#WERT!	
1.B.2.a iv	NA	NA	#WERT!	#WERT!	
1.B.2.a v	NA	NA	#WERT!	#WERT!	
1.B.2.b	NA	NA	#WERT!	#WERT!	
1.B.2.c	0,0055	0,0055	0,00	0,00%	
1.B.2.d	NA	NA	#WERT!	#WERT!	
NFR 2 - IPPU	0,0106297	0,0106303	0,0000006	0,01%	sub-category chapters
2.A.1	NE	NE	#WERT!	#WERT!	here
2.A.2	NE	NE	#WERT!	#WERT!	here
2.A.3	NE	NE	#WERT!	#WERT!	here
2.A.5.a	NA	NA	#WERT!	#WERT!	here
2.A.5.b	NA	NA	#WERT!	#WERT!	here
2.A.5.c	IE	IE	#WERT!	#WERT!	here
2.A.6	NA	NA	#WERT!	#WERT!	here
2.B.1	NA	NA	#WERT!	#WERT!	here
2.B.2	NA	NA	#WERT!	#WERT!	here
2.B.3	NA	NA	#WERT!	#WERT!	here
2.B.5	NA	NA	#WERT!	#WERT!	here
2.B.6	NA	NA	#WERT!	#WERT!	here
2.B.7	NE	NE	#WERT!	#WERT!	here
2.B.10.a	0,00293	0,00293	0,00	0,00%	here
2.B.10.b	NE	NE	#WERT!	#WERT!	here
2.C.1	NE	NE	#WERT!	#WERT!	here
2.C.2	NE	NE	#WERT!	#WERT!	here
2.C.3	NE	NE	#WERT!	#WERT!	here
2.C.4	NE	NE	#WERT!	#WERT!	here
2.C.5	NE	NE	#WERT!	#WERT!	here
2.C.6	NE	NE	#WERT!	#WERT!	here
2.C.7.a	NE	NE	#WERT!	#WERT!	here
2.C.7.b	NO	NO	#WERT!	#WERT!	here
2.C.7.c	NE	NE	#WERT!	#WERT!	here
2.C.7.d	NE	NE	#WERT!	#WERT!	here

	Submission 2024	Submission 2025	Difference		Reasoning
NFR Sector	[kt]			relative	see description and reasoning in:
NATIONAL TOTAL	9,98	10,09	0,11	1,12%	sub-category chapters
NFR 1 - Energy	9,31	9,38	0,07	0,73%	sub-category chapters
2.D.3.a	NA	NA	#WERT!	#WERT!	here
2.D.3.b	NE	NE	#WERT!	#WERT!	here
2.D.3.c	NA	NE	#WERT!	#WERT!	here
2.D.3.d	NA	NA	#WERT!	#WERT!	here
2.D.3.e	NA	NA	#WERT!	#WERT!	here
2.D.3.f	NA	NA	#WERT!	#WERT!	here
2.D.3.g	NA	NA	#WERT!	#WERT!	here
2.D.3.h	NA	NA	#WERT!	#WERT!	here
2.D.3.i	NA	NA	#WERT!	#WERT!	here
2.G	0,0077013	0,0077019	0,0000006	0,01%	here
2.H.1	NE	NE	#WERT!	#WERT!	here
2.H.2	NE	NE	#WERT!	#WERT!	here
2.H.3	NE	NE	#WERT!	#WERT!	here
2.I	NE	NE	#WERT!	#WERT!	here
2.J	NO	NO	#WERT!	#WERT!	here
2.K	NA	NA	#WERT!	#WERT!	here
2.L	NE	NE	#WERT!	#WERT!	here
NFR 3 - Agriculture	0,00000	0,00000	0,00	#DIV/0!	sub-category chapters
3.B.1.a	NA	NA	#WERT!	#WERT!	here
3.B.1.b	NA	NA	#WERT!	#WERT!	here
3.B.2	NA	NA	#WERT!	#WERT!	here
3.B.3	NA	NA	#WERT!	#WERT!	here
3.B.4.a	NA	NA	#WERT!	#WERT!	here
3.B.4.d	NA	NA	#WERT!	#WERT!	here
3.B.4.e	NA	NA	#WERT!	#WERT!	here
3.B.4.f	NA	NA	#WERT!	#WERT!	here
3.B.4.g i	NA	NA	#WERT!	#WERT!	here
3.B.4.g ii	NA	NA	#WERT!	#WERT!	here
3.B.4.g iii	NA	NA	#WERT!	#WERT!	here
3.B.4.g iv	NA	NA	#WERT!	#WERT!	here
3.B.4.h	NA	NA	#WERT!	#WERT!	here
3.D.a.1	NA	NA	#WERT!	#WERT!	here
3.D.a.2.a	NA	NA	#WERT!	#WERT!	here
3.D.a.2.b	NA	NA	#WERT!	#WERT!	here
3.D.a.2.c	NA	NA	#WERT!	#WERT!	here
3.D.a.3	NA	NA	#WERT!	#WERT!	here
3.D.a.4	NA	NA	#WERT!	#WERT!	here
3.D.b	NA	NA	#WERT!	#WERT!	here
3.D.c	NA	NA	#WERT!	#WERT!	here
3.D.d	NA	NA	#WERT!	#WERT!	here
3.D.e	NA	NA	#WERT!	#WERT!	here
3.D.f	NA	NA	#WERT!	#WERT!	here
3.F	NO	NO	#WERT!	#WERT!	
3.I	NA	NA	#WERT!	#WERT!	here
NFR 5 - Waste	0,66	0,71	0,04	6,69%	sub-category chapters
5.A	NA	NA	#WERT!	#WERT!	here
5.B.1	NA	NA	#WERT!	#WERT!	here
5.B.2	NA	NA	#WERT!	#WERT!	here
5.C.1.a	NO	NO	#WERT!	#WERT!	
5.C.1.b i	NO	NO	#WERT!	#WERT!	
5.C.1.b ii	NO	NO	#WERT!	#WERT!	
5.C.1.b iii	NO	NO	#WERT!	#WERT!	

	Submission 2024	Submission 2025	Difference		Reasoning
NFR Sector	[kt]			relative	see description and reasoning in:
NATIONAL TOTAL	9,98	10,09	0,11	1,12%	sub-category chapters
NFR 1 - Energy	9,31	9,38	0,07	0,73%	sub-category chapters
5.C.1.b iv	NO	NO	#WERT!	#WERT!	
5.C.1.b v	NE	NE	#WERT!	#WERT!	here
5.C.1.b vi	NA	NA	#WERT!	#WERT!	
5.C.2	0,34	0,34	0,00	0,00%	here
5.D.1	NA	NA	#WERT!	#WERT!	here
5.D.2	NA	NA	#WERT!	#WERT!	here
5.D.3	NO	NO	#WERT!	#WERT!	
5.E	0,32	0,36	0,04	13,82%	here
NFR 6 - Other	0,00000	0,00000	0,00	#DIV/0!	