

pollutant-specific data:	NOx	NM VOC	SOx	NH3	PM2.5	PM10	TSP	BC	CO	Pb	Cd	Hg	As	Cr	Cu	Ni	Se	Zn	PCDD/F	B[a]P	B[b]F	B[k]F	I[x]P	PAH1-4	HCB	PCB

Recalculations - Polyaromatic Hydrocarbons 1 to 4

The rather remarkable changes within the **National Total** reported for **1990 (+1.94 t or +1.68 %)** are dominated by newly implemented emission estimates for B[b]F, B[k]F and I[x]P from **NFR sub-category 2.C.3**, increasing the PAH emissions from this specific source by **more than 200 %**. Furthermore, a variety of often opposing **revisions** occurs for sub-categories **throughout NFR 1**.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2025	Submission 2026	Difference		Reasoning
	[t]		absolute	relative	
NATIONAL TOTAL	115.67	117.61	1.94	1.68%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	102.40	102.50	0.09	0.09%	sub-category chapters
1.A.2.g vii	0.097716	0.097723	0.000007	0.01%	here
1.A.3.b i	1.24	1.56	0.32	25.62%	here
1.A.3.b ii	0.06	0.10	0.04	62.72%	here
1.A.3.b iii	0.80	0.57	-0.23	-28.93%	here
1.A.3.b iv	0.018	0.016	-0.002	-9.08%	here
1.A.3.b vi	0.06	0.04	-0.02	-28.25%	here
1.A.3.c	0.29	0.28	-0.01	-4.08%	here
1.A.4.a ii	0.01910	0.01909	-0.00001	-0.03%	here
1.A.4.c ii	0.211353	0.211351	-0.000002	-0.001%	here
NFR 2 - IPPU	11.81	13.65	1.85	15.65%	sub-category chapters
2.C.3	0.90	2.75	1.85	206%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	1.46	1.46	0.00	0.00%	
NFR 6 - Other	NA				

The significant changes within the **National Total** reported for **2022 (+1.28 t or +4.92 %)** are dominated by revisions in NFR sub-categories **1.A.4.b i with +1.39 t** and **1.A.4.a i with -0.11 t** together with a variety of small revisions throughout NFR 1.

However, the most significant percental change occurs in NFR **1.A.4.a ii with minus 16 %**.

Table 2: Changes of emission estimates 2023

NFR Sector	Submission 2025	Submission 2026	Difference		Reasoning
	[t]		absolute	relative	
NATIONAL TOTAL	67.13	66.60	-0.53	-0.79%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	63.04	62.51	-0.53	-0.85%	sub-category chapters
1.A.1.a	0.03745	0.03790	0.00044	1.18%	here
1.A.1.b	0.00290	0.00300	0.00010	3.56%	here
1.A.1.c	0.000683	0.000686	0.000003	0.44%	here
1.A.2.a	0.000325	0.000324	-0.000001	-0.27%	
1.A.2.g vii	0.08	0.10	0.02	27.87%	here
1.A.2.g viii	0.51	0.47	-0.04	-7.23%	here
1.A.3.a i(i)	0.00000026	0.00000026	0.00000001	2.34%	here
1.A.3.a ii(i)	0.0000130	0.0000133	0.0000003	2.34%	here
1.A.3.b i	1.453	2.074	0.62	42.70%	here
1.A.3.b ii	0.230	0.117	-0.11	-49.25%	here
1.A.3.b iii	1.00	0.88	-0.12	-11.59%	here
1.A.3.b iv	0.013	0.012	-0.001	-6.38%	here

	Submission 2025	Submission 2026	Difference		Reasoning
NFR Sector	[t]			relative	see description and reasoning in:
NATIONAL TOTAL	67.13	66.60	-0.53	-0.79%	sub-category chapters
NFR 1 - Energy	63.04	62.51	-0.53	-0.85%	sub-category chapters
1.A.3.b vi	0.09	0.06	-0.03	-34.04%	here
1.A.3.c	0.031	0.028	-0.003	-10.72%	here
1.A.3.d ii	0.051	0.050	-0.001	-2.49%	here
1.A.4.a i	9.17	8.49	-0.68	-7.41%	here
1.A.4.a ii	0.013	0.017	0.005	38.37%	here
1.A.4.b i	49.32	49.15	-0.17	-0.35%	here
1.A.4.b ii	0.0075	0.0071	-0.0004	-4.82%	here
1.A.4.c ii	0.24	0.21	-0.03	-12.70%	here
1.A.5.a	0.074	0.081	0.007	9.39%	here
1.A.5.b	0.0059	0.0058	-0.0001	-1.48%	here
1.B.1.b	0.13268	0.13269	0.00001	0.01%	here
NFR 2 - IPPU	2.999367	3.000071	0.000704	0.02%	sub-category chapters
2.C.3	0.000334	0.001021	0.000687	206%	here
2.G	0.1148164	0.1148338	0.0000173	0.02%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	1.09	1.09	0.00	0.00%	
NFR 6 - Other	NA				