

Recalculations - Black Carbon (BC)

Revision of Black Carbon emissions over time:



The small changes within the **National Total reported for 1990 (-0.7 kt | -1.7 %)** are dominated by changes in **NFRs 1.A.3.b i, 1.A.3.b ii and 1.A.4.c ii** together with less significant revisions throughout NFRs 1, 2 and 3.

The most significant relative change occurs for **NFR 2.G with minus 51 %**

Table 1: Changes of emission estimates 2000

NFR Sector	Submission 2020	Submission 2021	Difference		Reasoning
	[kt]		absolute	relative	
NATIONAL TOTAL	39,76	39,08	-0,67	-1,70%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	39,07	38,41	-0,66	-1,69%	sub-category chapters
1.A.2.g vii	2,16	2,28	0,12	5,35%	here
1.A.3.a i(i)	0,026	0,031	0,005	20,58%	here
1.A.3.a ii(i)	0,012	0,017	0,005	40,44%	here
1.A.3.b i	9,75	10,11	0,36	3,73%	here
1.A.3.b ii	4,72	3,91	-0,81	-17,15%	here
1.A.3.b iii	10,48	10,70	0,22	2,11%	here
1.A.3.b iv	0,157	0,162	0,005	3,14%	here
1.A.3.b vi	1,625	1,621	-0,005	-0,29%	here
1.A.4.a ii	0,47	0,49	0,02	5,16%	here
1.A.4.b ii	0,0042	0,0045	0,0003	7,04%	here
1.A.4.c ii	4,57	3,98	-0,59	-12,86%	here
NFR 2 - IPPU	0,03	0,02	-0,01	-43,30%	sub-category chapters
2.G	0,02	0,01	-0,01	-50,60%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0,65	0,65	0,00	0,00%	
NFR 6 - Other	NA				

The small changes within the **National Total reported for 2018 (-0.08 kt | -0.6 %)** result from multiple revisions throughout NFRs 1, 2 and 3.

The most significant relative change occurs for **NFR 2.G with minus 50 %**

Table 2: Changes of emission estimates 2018

NFR Sector	Submission 2020	Submission 2021	Difference		Reasoning
	[kt]		absolute	relative	
NATIONAL TOTAL	12,55	12,47	-0,08	-0,62%	see description and reasoning in: sub-category chapters
NFR 1 - Energy	11,93	11,86	-0,07	-0,58%	sub-category chapters
1.A.1.a	0,04389	0,04393	0,00005	0,10%	here
1.A.1.b	0,02	0,05	0,03	161%	here
1.A.1.c	0,00054	0,00056	0,00	3,95%	here
1.A.2.g vii	0,658	0,731	0,07	11,07%	here
1.A.2.g viii	0,09	0,08	-0,01	-13,76%	here
1.A.3.a i(i)	0,041	0,037	-0,004	-8,62%	here
1.A.3.a ii(i)	0,010	0,014	0,005	48,07%	here
1.A.3.b i	1,79	1,87	0,09	4,79%	here
1.A.3.b ii	1,01	1,02	0,01	0,74%	here
1.A.3.b iii	1,12	1,10	-0,03	-2,53%	here
1.A.3.b iv	0,17	0,17	0,01	3,86%	here

	Submission 2020	Submission 2021	Difference		
NFR Sector	[kt]		relative	see description and reasoning in:	
NATIONAL TOTAL	12,55	12,47	-0,08	-0,62%	sub-category chapters
NFR 1 - Energy	11,93	11,86	-0,07	-0,58%	sub-category chapters
1.A.3.b vi	1,865	1,862	-0,003	-0,15%	here
1.A.3.c	0,09	0,08	-0,01	-13,72%	here
1.A.3.d ii	0,32	0,34	0,01	3,60%	here
1.A.4.a i	0,51	0,45	-0,06	-12,04%	here
1.A.4.a ii	0,191	0,164	-0,03	-14,50%	here
1.A.4.b i	1,54	1,69	0,15	9,51%	here
1.A.4.b ii	0,0067	0,0064	-0,0003	-4,97%	here
1.A.4.c i	0,08419	0,08421	0,00002	0,03%	here
1.A.4.c ii	2,29	1,99	-0,29	-12,84%	here
1.A.4.c iii	0,0256	0,0263	0,0007	2,70%	here
1.A.5.a	0,0063	0,0064	0,0002	2,41%	here
1.A.5.b	0,0231	0,0290	0,01	25,71%	here
NFR 2 - IPPU	0,02	0,01	-0,01	-42,52%	sub-category chapters
2.G	0,02	0,01	-0,01	-50,27%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0,61	0,61	0,00	0,00%	
NFR 6 - Other	NA				