

## Recalculations - Black Carbon (BC)

The changes within the **National Total** reported for **1995 (+1.07 kt or +2.81 %)** result from 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	
<b>NATIONAL TOTAL</b>	<b>38.13</b>	<b>39.20</b>	<b>1.07</b>	<b>2.81%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>37.46</b>	<b>38.45</b>	<b>0.99</b>	<b>2.65%</b>	<b>sub-category chapters</b>
1.A.2.g vii	2.28	0.81	-1.47	-64.4%	<a href="#">here</a>
1.A.3.a i(i)	0.02843	0.02818	-0.00025	-0.89%	<a href="#">here</a>
1.A.3.a ii(i)	0.0144	0.0141	-0.0004	-2.53%	<a href="#">here</a>
1.A.3.b iii	9.9631	9.9550	-0.0081	-0.08%	<a href="#">here</a>
1.A.3.d ii	0.7416	0.7423	0.0006	0.09%	<a href="#">here</a>
1.A.4.a ii	0.49	0.26	-0.23	-47.4%	<a href="#">here</a>
1.A.4.b i	1.87862	1.87862	0.00000	0.00%	<a href="#">here</a>
1.A.4.b ii	0.00842	0.00844	0.00002	0.21%	<a href="#">here</a>
1.A.4.c ii	3.97	6.68	2.70	68.1%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>0.017</b>	<b>0.017</b>	<b>0.000</b>	<b>0.00%</b>	
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0.65</b>	<b>0.73</b>	<b>0.08</b>	<b>11.8%</b>	<b>sub-category chapters</b>
5.C.2	0.32	0.42	0.10	30.0%	<a href="#">here</a>
5.E	0.33	0.31	-0.02	-5.87%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				

The changes within the **National Total** reported for **2021 (+0.32 kt or +3.25 %)** are dominated by a handful of **stronger revisions in NFRs 1, 2 and 3** with the biggest change occurring for NFR sub-category **1.A.4.c ii with plus 0.57 kt** together with a variety of less significant revisions throughout NFRs 1, 2, 3 and 5.

The most significant percental change occurs for **NFR 1.A.4.c ii with plus 32 %**.

Table 2: Changes of emission estimates 2021

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[kt]			relative	
<b>NATIONAL TOTAL</b>	<b>9,90</b>	<b>10,22</b>	<b>0,32</b>	<b>3,25%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>9,45</b>	<b>9,76</b>	<b>0,31</b>	<b>3,27%</b>	<b>sub-category chapters</b>
1.A.1.a	0,0324	0,0321	-0,0003	-0,95%	<a href="#">here</a>
1.A.1.b	0,025	0,027	0,002	6,20%	<a href="#">here</a>
1.A.1.c	0,00038	0,00044	0,00006	15,4%	<a href="#">here</a>
1.A.2.g vii	0,54	0,34	-0,20	-36,7%	<a href="#">here</a>
1.A.2.g viii	0,065	0,061	-0,004	-6,87%	<a href="#">here</a>
1.A.3.a i(i)	0,0162	0,0160	-0,0002	-1,54%	<a href="#">here</a>
1.A.3.a ii(i)	0,006	0,005	-0,001	-21,5%	<a href="#">here</a>
1.A.3.b i	1,03	0,95	-0,08	-7,63%	<a href="#">here</a>
1.A.3.b ii	0,724	0,708	-0,016	-2,21%	<a href="#">here</a>
1.A.3.b iii	0,530	0,536	0,006	1,19%	<a href="#">here</a>
1.A.3.b iv	0,166	0,162	-0,004	-2,14%	<a href="#">here</a>
1.A.3.b vi	1,697	1,699	0,002	0,15%	<a href="#">here</a>
1.A.3.c	0,0982	0,0987	0,0005	0,52%	<a href="#">here</a>
1.A.3.d ii	0,23	0,24	0,01	4,97%	<a href="#">here</a>
1.A.4.a i	0,53	0,54	0,01	2,14%	<a href="#">here</a>
1.A.4.a ii	0,13	0,14	0,01	6,38%	<a href="#">here</a>

	Submission 2023	Submission 2024	Difference		Reasoning
<b>NFR Sector</b>	<b>[kt]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>9,90</b>	<b>10,22</b>	<b>0,32</b>	<b>3,25%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>9,45</b>	<b>9,76</b>	<b>0,31</b>	<b>3,27%</b>	<b>sub-category chapters</b>
1.A.4.b ii	0,0063	0,0066	0,0003	5,18%	<a href="#">here</a>
1.A.4.c i	0,0989	0,0991	0,0003	0,27%	<a href="#">here</a>
1.A.4.c ii	1,75	2,32	0,57	32,3%	<a href="#">here</a>
1.A.5.a	0,01385	0,01386	0,00001	0,07%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>0,01182</b>	<b>0,01182</b>	<b>0,00000</b>		<b>sub-category chapters</b>
<b>NFR 3 - Agriculture</b>	<b>0,00000</b>	<b>0,00000</b>	<b>0,00000</b>		<b>sub-category chapters</b>
<b>NFR 5 - Waste</b>	<b>0,444</b>	<b>0,458</b>	<b>0,014</b>	<b>3,05%</b>	<b>sub-category chapters</b>
5.C.2	0,11	0,14	0,033	30,0%	<a href="#">here</a>
5.E	0,335	0,316	-0,019	-5,69%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				