

## 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	
<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 %)** 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 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>
1.A.4.b ii	0.0063	0.0066	0.0003	5.18%	<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.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>0.012</b>	<b>0.012</b>	<b>0.000</b>		
<b>NFR 3 - Agriculture</b>	<b>NA</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>				