

# 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>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>37.46</b>	<b>38.45</b>	<b>0.99</b>	<b>2.65%</b>	sub-category chapters
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>	sub-category chapters
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 **2022 (+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 viii** (minus 37 %) and **1.A.4.c ii** (plus 32 %).

Table 2: Changes of emission estimates 2022

NFR Sector	Submission 2024	Submission 2025	Difference		Reasoning
	[kt]			relative	
<b>NATIONAL TOTAL</b>	<b>9.98</b>	<b>10.09</b>	<b>0.11</b>	<b>1.12%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>9.31</b>	<b>9.38</b>	<b>0.07</b>	<b>0.73%</b>	sub-category chapters
1.A.1.a	0.03449	0.03442	-0.00007	-0.20%	<a href="#">here</a>
1.A.1.b	0.030	0.035	0.005	15.69%	<a href="#">here</a>
1.A.1.c	0.00038	0.00036	-0.00002	-5.17%	<a href="#">here</a>
1.A.2.g vii	0.25	0.23	-0.02	-7.47%	<a href="#">here</a>
1.A.2.g viii	0.067	0.032	-0.03	-51.71%	<a href="#">here</a>
1.A.3.a i(i)	0.02449	0.02454	0.00005	0.19%	<a href="#">here</a>
1.A.3.a ii(i)	0.006359	0.006362	0.000003	0.04%	<a href="#">here</a>
1.A.3.b i	0.902	0.903	0.001	0.09%	<a href="#">here</a>
1.A.3.b ii	0.681	0.669	-0.01	-1.69%	<a href="#">here</a>
1.A.3.b iii	0.454	0.459	0.005	1.09%	<a href="#">here</a>
1.A.3.b iv	0.179	0.174	-0.005	-2.98%	<a href="#">here</a>
1.A.3.c	0.0861	0.0865	0.0004	0.47%	<a href="#">here</a>
1.A.3.d ii	0.21	0.21	-0.004	-1.82%	<a href="#">here</a>
1.A.4.a i	0.51				<a href="#">here</a>
1.A.4.a ii	0.11	0.10	-0.02	-16.04%	<a href="#">here</a>
1.A.4.b i	1.65	1.76	0.11	6.49%	<a href="#">here</a>
1.A.4.b ii	0.007	0.005	-0.001	-20.20%	<a href="#">here</a>

	Submission 2024	Submission 2025	Difference		Reasoning
<b>NFR Sector</b>	<b>[kt]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>9.98</b>	<b>10.09</b>	<b>0.11</b>	<b>1.12%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>9.31</b>	<b>9.38</b>	<b>0.07</b>	<b>0.73%</b>	<b>sub-category chapters</b>
1.A.4.c i	0.088	0.087	-0.001	-1.35%	<a href="#">here</a>
1.A.4.c ii	2.21	2.26	0.05	2.34%	<a href="#">here</a>
1.A.5.b	0.03	0.04	0.01	39.36%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>0.0106297</b>	<b>0.0106303</b>	<b>0.0000006</b>	<b>0.01%</b>	<b>sub-category chapters</b>
2.G	0.0077013	0.0077019	0.0000006	0.01%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0.66</b>	<b>0.71</b>	<b>0.04</b>	<b>6.69%</b>	<b>sub-category chapters</b>
5.E	0.32	0.36	0.04	13.82%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				