

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

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 | |
| NATIONAL TOTAL | 9.98 | 10.09 | 0.11 | 1.12% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 9.31 | 9.38 | 0.07 | 0.73% | sub-category chapters |
| 1.A.1.a | 0.03449 | 0.03442 | -0.00007 | -0.20% | here |
| 1.A.1.b | 0.030 | 0.035 | 0.005 | 15.69% | here |
| 1.A.1.c | 0.00038 | 0.00036 | -0.00002 | -5.17% | here |
| 1.A.2.g vii | 0.25 | 0.23 | -0.02 | -7.47% | here |
| 1.A.2.g viii | 0.067 | 0.032 | -0.03 | -51.71% | here |
| 1.A.3.a i(i) | 0.02449 | 0.02454 | 0.00005 | 0.19% | here |
| 1.A.3.a ii(i) | 0.006359 | 0.006362 | 0.000003 | 0.04% | here |
| 1.A.3.b i | 0.902 | 0.903 | 0.001 | 0.09% | here |
| 1.A.3.b ii | 0.681 | 0.669 | -0.01 | -1.69% | here |
| 1.A.3.b iii | 0.454 | 0.459 | 0.005 | 1.09% | here |
| 1.A.3.b iv | 0.179 | 0.174 | -0.005 | -2.98% | here |
| 1.A.3.c | 0.0861 | 0.0865 | 0.0004 | 0.47% | here |
| 1.A.3.d ii | 0.21 | 0.21 | -0.004 | -1.82% | here |
| 1.A.4.a i | 0.51 | 0.49 | -0.02 | -3.70% | here |
| 1.A.4.a ii | 0.11 | 0.10 | -0.02 | -16.04% | here |
| 1.A.4.b i | 1.65 | 1.76 | 0.11 | 6.49% | here |
| 1.A.4.b ii | 0.007 | 0.005 | -0.001 | -20.20% | here |

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