

Recalculations - Black Carbon (BC)

The small changes within the **National Total reported for 2000 (-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 2019 (-0.13 kt | -1.1 %)** result from multiple revisions throughout NFRs 1 and 5.

The most significant relative change occurs for **NFR 1.A.5.a with plus 77 %**

Table 2: Changes of emission estimates 2019

| NFR Sector | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|--------------|---------------|-----------------------|
| | [kt] | | absolute | relative | |
| NATIONAL TOTAL | 11,71 | 11,58 | -0,13 | -1,09% | sub-category chapters |
| NFR 1 - Energy | 11,11 | 10,98 | -0,13 | -1,19% | sub-category chapters |
| 1.A.1.a | 0,03436 | 0,03437 | 0,00001 | 0,02% | here |
| 1.A.1.b | 0,05 | 0,03 | -0,02 | -45,37% | here |
| 1.A.1.c | 0,00053 | 0,00052 | -0,00001 | -1,68% | here |
| 1.A.2.g vii | 0,672 | 0,670 | -0,002 | -0,25% | here |
| 1.A.2.g viii | 0,077 | 0,072 | -0,005 | -6,43% | here |
| 1.A.3.a i(i) | 0,0364 | 0,0360 | -0,0004 | -1,06% | here |
| 1.A.3.a ii(i) | 0,0142 | 0,0126 | -0,0016 | -11,27% | here |
| 1.A.3.b i | 1,64 | 1,57 | -0,08 | -4,66% | here |
| 1.A.3.b ii | 0,88 | 0,87 | -0,01 | -1,10% | here |
| 1.A.3.b iii | 0,923 | 0,926 | 0,003 | 0,36% | here |
| 1.A.3.b iv | 0,175 | 0,173 | -0,002 | -1,10% | here |
| 1.A.3.c | 0,08 | 0,09 | 0,01 | 17,23% | here |
| 1.A.3.d ii | 0,29 | 0,26 | -0,03 | -11,32% | here |
| 1.A.4.a ii | 0,1550 | 0,1548 | -0,0003 | -0,18% | here |
| 1.A.4.b i | 1,636 | 1,637 | 0,001 | 0,06% | here |
| 1.A.4.b ii | 0,006 | 0,008 | 0,002 | 34,65% | here |

| | Submission 2021 | Submission 2022 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|--------------|-----------------|--|
| NFR Sector | [kt] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 11,71 | 11,58 | -0,13 | -1,09% | sub-category chapters |
| NFR 1 - Energy | 11,11 | 10,98 | -0,13 | -1,19% | sub-category chapters |
| 1.A.4.c ii | 1,898 | 1,902 | 0,004 | 0,22% | here |
| 1.A.4.c iii | 0,006 | 0,004 | -0,002 | -34,68% | here |
| 1.A.5.a | 0,005 | 0,009 | 0,004 | 77,47% | here |
| 1.A.5.b | 0,046 | 0,040 | -0,006 | -12,52% | here |
| 1.B.1.b | 0,016 | 0,018 | 0,002 | 12,47% | here |
| NFR 2 - IPPU | 0,01 | 0,01 | 0,00 | 0,00% | |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | 0,590 | 0,594 | 0,004 | 0,62% | sub-category chapters |
| 5.C.2 | 0,255 | 0,259 | 0,004 | 1,44% | here |
| NFR 6 - Other | NA | | | | |