

Recalculations - Sulphur Oxides

The negligibly small changes in the **National Total** reported for **1990 (+4.1 kt or +0.07 %)** result almost entirely from revised emission estimates in the sub-categories of **NFR 1.A.3.b** together with less significant changes throughout NFR 1.

Here, the strongest percental change occurs for **1.A.3.b ii with plus 35 %**.

Table 1: Changes in emission estimates for 1990

| NFR Sector | Submission 2022 | Submission 2023 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|-------------|--------------|-----------------------------------|
| | [kt] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 5.460,02 | 5.464,11 | 4,08 | 0,07% | sub-category chapters |
| NFR 1 - Energy | 5.284,38 | 5.288,46 | 4,08 | 0,08% | sub-category chapters |
| 1.A.2.g vii | 3,84 | 3,85 | 0,01 | 0,17% | here |
| 1.A.3.a i(i) | 0,26 | 0,24 | -0,02 | -6,58% | here |
| 1.A.3.a ii(i) | 0,18 | 0,17 | -0,01 | -6,58% | here |
| 1.A.3.b i | 33,07 | 35,68 | 2,61 | 7,91% | here |
| 1.A.3.b ii | 2,34 | 3,16 | 0,83 | 35,49% | here |
| 1.A.3.b iii | 36,55 | 37,21 | 0,66 | 1,81% | here |
| 1.A.3.b iv | 0,22 | 0,23 | 0,01 | 2,99% | here |
| 1.A.4.a ii | 0,63 | 0,63 | 0,00 | -0,09% | here |
| 1.A.4.c ii | 4,49 | 4,48 | -0,01 | -0,14% | here |
| NFR 2 - IPPU | 175,54 | 175,54 | 0,00 | 0,00% | |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | 0,11 | 0,11 | 0,00 | 0,00% | |
| NFR 6 - Other | NA | | | | |

Changes in the **National Total** reported for **2020 (-3.84 kt or -1.46 %)** result mainly from revisions in **NFR sub-categories 1.A.1.c, 1.A.2.g viii and 2.A.3** together with less relevant changes throughout NFRs 1, 2 and 5.

Table 2: Changes in emission estimates for 2020

| NFR Sector | Submission 2022 | Submission 2023 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|-------------|--------------|-----------------------------------|
| | [kt] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 232,69 | 241,26 | 8,58 | 3,69% | sub-category chapters |
| NFR 1 - Energy | 171,42 | 179,05 | 7,63 | 4,45% | sub-category chapters |
| 1.A.1.a | 83,84 | 83,28 | -0,56 | -0,67% | here |
| 1.A.1.b | 30,48 | 31,07 | 0,58 | 1,92% | here |
| 1.A.1.c | 7,57 | 6,98 | -0,59 | -7,80% | here |
| 1.A.2.a | 4,40 | 4,29 | -0,11 | -2,44% | here |
| 1.A.2.b | 0,36 | 0,40 | 0,04 | 11,98% | here |
| 1.A.2.e | 0,74 | 0,65 | -0,09 | -12,41% | here |
| 1.A.2.g vii | 0,019 | 0,020 | 0,001 | 2,74% | here |
| 1.A.2.g viii | 23,69 | 31,96 | 8,27 | 34,92% | here |
| 1.A.3.a i(i) | 0,29 | 0,27 | -0,02 | -6,63% | here |
| 1.A.3.a ii(i) | 0,076 | 0,071 | -0,005 | -6,73% | here |
| 1.A.3.b i | 0,4526 | 0,4522 | -0,0004 | -0,09% | here |
| 1.A.3.b ii | 0,060 | 0,061 | 0,001 | 2,24% | here |
| 1.A.3.b iii | 0,233 | 0,230 | -0,003 | -1,49% | here |
| 1.A.3.b iv | 0,0070 | 0,0071 | 0,0001 | 1,11% | here |
| 1.A.3.c | 0,2030 | 0,2032 | 0,0002 | 0,11% | here |
| 1.A.4.a i | 1,23 | 1,35 | 0,13 | 10,22% | here |
| 1.A.4.a ii | 0,00400 | 0,00402 | 0,00002 | 0,51% | here |
| 1.A.4.b i | 9,79 | 9,84 | 0,05 | 0,51% | here |
| 1.A.4.b ii | 0,0016 | 0,0012 | -0,0004 | -21,39% | here |
| 1.A.4.c i | 1,829 | 1,826 | -0,003 | -0,17% | here |

| | Submission 2022 | Submission 2023 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|-------------|-----------------|--|
| NFR Sector | [kt] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 232,69 | 241,26 | 8,58 | 3,69% | sub-category chapters |
| NFR 1 - Energy | 171,42 | 179,05 | 7,63 | 4,45% | sub-category chapters |
| 1.A.4.c ii | 0,0229 | 0,0233 | 0,0004 | 1,78% | here |
| 1.A.5.a | 0,0116 | 0,0117 | 0,0001 | 1,17% | here |
| 1.B.1.b | 0,800 | 0,741 | -0,059 | -7,34% | here |
| NFR 2 - IPPU | 61,16 | 62,10 | 0,94 | 1,54% | sub-category chapters |
| 2.A.1 | 6,35 | 6,83 | 0,48 | 7,54% | here |
| 2.A.3 | 7,64 | 7,71 | 0,07 | 0,88% | here |
| 2.H.1 | 0,49 | 0,88 | 0,39 | 81,00% | here |
| NFR 3 - Agriculture | 0,00 | 0,00 | 0,00 | | |
| NFR 5 - Waste | 0,107 | 0,107 | 0,00 | 0,00% | |
| NFR 6 - Other | 0,00 | 0,00 | 0,00 | | |