

Recalculations - Non-Methane Volatile Organic Compounds

The changes within the **National Total reported for 1990 (-19.5 kt or -0.49 %)** are dominated by NFR sub-categories **5.C.2 (-19,6 kt or -96,9 %)** with the strongest percental change occurring for **2.G with plus 2,409 %** resulting from a re-allocation from NFR 2.D.3.i.

Table 1: Changes in emission estimates for 1990

| NFR Sector | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|---------------|---------------|--|
| | [kt] | | | relative | |
| NATIONAL TOTAL | 3,948.88 | 3,929.35 | -19.53 | -0.49% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 2,220.72 | 2,220.36 | -0.36 | -0.02% | sub-category chapters |
| 1.A.2.g vii | 9.97 | 7.28 | -2.68 | -26.1% | here |
| 1.A.3.a i(i) | 0.75 | 0.77 | 0.02 | 2.66% | here |
| 1.A.3.a ii(i) | 0.40 | 0.50 | 0.10 | 23.6% | here |
| 1.A.3.c | 4.22 | 4.24 | 0.02 | 0.38% | here |
| 1.A.3.d ii | 3.27 | 3.53 | 0.27 | 8.20% | here |
| 1.A.4.a ii | 2.34 | 2.10 | -0.25 | -10.5% | here |
| 1.A.4.c ii | 32.22 | 34.73 | 2.51 | 7.80% | here |
| 1.A.5.b | 21.30 | 22.97 | 1.67 | 7.86% | here |
| 1.B.1.b | 7.86 | 5.75 | -2.11 | -26.9% | here |
| 1.B.2.a iv | 73.15 | 72.03 | -1.12 | -1.53% | |
| 1.B.2.a v | 87.79 | 88.91 | 1.12 | 1.28% | |
| 1.B.2.b | 8.94 | 9.03 | 0.10 | 1.07% | |
| NFR 2 - IPPU | 1,291.63 | 1,291.63 | 0.00 | 0.00% | sub-category chapters |
| 2.D.3.i | 242.18 | 203.08 | -39.10 | -16.1% | here |
| 2.G | 1.62 | 40.72 | 39.10 | 2,409% | here |
| NFR 3 - Agriculture | 398.60 | 399.07 | 0.47 | 0.12% | sub-category chapters |
| 3.B.4.h | NE | 0.47 | 0.47 | | here |
| NFR 5 - Waste | 37.92 | 18.28 | -19.64 | -51.8% | sub-category chapters |
| 5.C.2 | 20.28 | 0.63 | -19.64 | -96.9% | here |
| NFR 6 - Other | | NA | | | |

The small changes within the **National Total reported for 2021 (-1.32 kt or -0.137 %)** result from several more or less significant revisions in **NFR1, 2 3 and 4**.

The strongest percental change occurs for **NFR 2.G with plus 2,816 %**, mostly resulting from a re-allocation of emissions.

Table 2: Changes in emission estimates for 2021

| NFR Sector | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|--------------|---------------|--|
| | [kt] | | | relative | |
| NATIONAL TOTAL | 1,044.19 | 1,042.87 | -1.32 | -0.13% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 196.27 | 197.15 | 0.88 | 0.45% | sub-category chapters |
| 1.A.1.a | 7.05 | 7.06 | 0.02 | 0.22% | here |
| 1.A.1.b | 0.77 | 0.77 | 0.00 | 0.61% | here |
| 1.A.1.c | 0.37 | 0.40 | 0.02 | 6.10% | here |
| 1.A.2.a | 0.250 | 0.239 | -0.010 | -4.18% | here |
| 1.A.2.b | 0.072 | 0.078 | 0.006 | 8.53% | here |
| 1.A.2.e | 0.020 | 0.022 | 0.002 | 10.8% | here |
| 1.A.2.g vii | 3.91 | 4.16 | 0.26 | 6.61% | here |
| 1.A.2.g viii | 6.16 | 5.91 | -0.25 | -4.08% | here |
| 1.A.3.a i(i) | 0.28 | 0.29 | 0.01 | 3.42% | here |
| 1.A.3.a ii(i) | 0.24 | 0.31 | 0.07 | 30.1% | here |

| | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector | [kt] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 1,044.19 | 1,042.87 | -1.32 | -0.13% | sub-category chapters |
| NFR 1 - Energy | 196.27 | 197.15 | 0.88 | 0.45% | sub-category chapters |
| 1.A.3.b i | 39.63 | 38.74 | -0.90 | -2.26% | here |
| 1.A.3.b ii | 1.46 | 1.41 | -0.05 | -3.55% | here |
| 1.A.3.b iii | 2.18 | 2.19 | 0.01 | 0.39% | here |
| 1.A.3.b iv | 13.38 | 13.08 | -0.30 | -2.23% | here |
| 1.A.3.b v | 23.62 | 23.09 | -0.52 | -2.21% | here |
| 1.A.3.c | 0.440 | 0.444 | 0.004 | 0.84% | here |
| 1.A.3.d ii | 0.98 | 1.32 | 0.34 | 34.4% | here |
| 1.A.4.a i | 4.14 | 4.01 | -0.13 | -3.22% | here |
| 1.A.4.a ii | 0.782 | 0.772 | -0.010 | -1.22% | here |
| 1.A.4.b i | 38.06 | 38.23 | 0.17 | 0.44% | here |
| 1.A.4.b ii | 7.390 | 7.730 | 0.34 | 4.60% | here |
| 1.A.4.c i | 0.869 | 0.880 | 0.011 | 1.26% | here |
| 1.A.4.c ii | 12.18 | 15.79 | 3.61 | 29.6% | here |
| 1.A.5.a | 0.0999 | 0.0997 | -0.0001 | -0.13% | here |
| 1.A.5.b | 1.27 | 1.48 | 0.21 | 16.8% | here |
| 1.B.1.b | 3.03 | 0.79 | -2.23 | -73.8% | here |
| 1.B.2.a iv | 3.83 | 3.01 | -0.82 | -21.4% | |
| 1.B.2.a v | 15.56 | 16.37 | 0.81 | 5.20% | |
| 1.B.2.b | 2.27 | 2.49 | 0.22 | 9.55% | |
| NFR 2 - IPPU | 549.66 | 553.16 | 3.50 | 0.64% | sub-category chapters |
| 2.A.3 | 0.61 | 0.52 | -0.09 | -14.8% | here |
| 2.D.3.a | 77.72 | 77.77 | 0.05 | 0.07% | here |
| 2.D.3.d | 194.36 | 195.18 | 0.82 | 0.42% | here |
| 2.D.3.e | 38.98 | 38.96 | -0.03 | -0.07% | here |
| 2.D.3.g | 50.42 | 50.38 | -0.04 | -0.07% | here |
| 2.D.3.h | 42.57 | 41.93 | -0.64 | -1.50% | here |
| 2.D.3.i | 98.85 | 71.91 | -26.94 | -27.3% | here |
| 2.G | 1.14 | 33.16 | 32.02 | 2.816% | here |
| 2.H.1 | 3.62 | 1.96 | -1.66 | -45.9% | here |
| NFR 3 - Agriculture | 290.58 | 291.00 | 0.42 | 0.14% | sub-category chapters |
| 3.B.1.a | 155.75 | 155.86 | 0.11 | 0.07% | here |
| 3.B.1.b | 82.03 | 82.29 | 0.26 | 0.31% | here |
| 3.B.4.h | NE | 0.04 | 0.04 | | here |
| 3.D.e | 9.43 | 9.44 | 0.00 | 0.05% | here |
| NFR 5 - Waste | 7.68 | 1.56 | -6.11 | -79.7% | sub-category chapters |
| 5.A | 1.211 | 1.211 | 0.000 | 0.04% | here |
| 5.C.2 | 6.31 | 0.20 | -6.11 | -96.9% | here |
| NFR 6 - Other | | NA | | | |