

Recalculations - Ammonia

The changes within the **National Total** reported for **1990 (+8.8 kt or +1.2 %)** are dominated by **newly implemented emission estimates for NFR 6.A (+ 6.25 kt)** together with less significant changes throughout NFRs 1 and 3.

The most significant percental changes occur for NFRs **3.D.a.2.c** (plus 559 %) and **6.A** (plus 78 %).

Table 1: Changes in emission estimates for 1990

| NFR Sector | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|---------------|---------------|---|
| | [kt] | | | relative | |
| NATIONAL TOTAL | 725.52 | 734.36 | 8.84 | 1.22% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 15.8891 | 15.8897 | 0.0006 | 0.004% | sub-category chapters |
| 1.A.2.g vii | 0.008 | 0.006 | -0.002 | -28.7% | here |
| 1.A.3.a i(i) | 0.0493 | 0.0492 | -0.0001 | -0.13% | here |
| 1.A.3.a ii(i) | 0.0349 | 0.0353 | 0.0004 | 1.16% | here |
| 1.A.3.c | 0.0318 | 0.0319 | 0.0001 | 0.25% | here |
| 1.A.3.d ii | 0.01056 | 0.01055 | -0.00001 | -0.07% | here |
| 1.A.4.a ii | 0.0018 | 0.0016 | -0.0002 | -8.57% | here |
| 1.A.4.c ii | 0.009 | 0.011 | 0.003 | 29.6% | here |
| NFR 2 - IPPU | 14.68 | 14.68 | 0.00 | 0.00% | |
| NFR 3 - Agriculture | 686.62 | 689.20 | 2.58 | 0.38% | sub-category chapters |
| 3.B.4.g i | 11.41 | 11.40 | -0.02 | -0.14% | here |
| 3.B.4.g iv | 2.470 | 2.472 | 0.002 | 0.08% | here |
| 3.D.a.1 | 78.82 | 78.71 | -0.11 | -0.14% | here |
| 3.D.a.2.a | 285.58 | 286.21 | 0.63 | 0.22% | here |
| 3.D.a.2.c | 0.24 | 1.55 | 1.32 | 559% | here |
| 3.D.a.3 | 22.24 | 22.37 | 0.14 | 0.61% | here |
| 3.l | 0.002 | 0.001 | 0.00 | -5.19% | here |
| NFR 5 - Waste | 0.34 | 0.34 | 0.00 | 0.00% | |
| NFR 6 - Other | 8.00 | 14.25 | 6.25 | 78.2% | sub-category chapters |
| 6.A | 8.00 | 14.25 | 6.25 | 78.2% | |

Changes within the **National Total** reported for **2021 (+9.7 kt or +1.88 %)** result mainly from **newly implemented emission estimates in NFR 6.A (+9.86 kt)** together with less significant changes throughout NFRs 1, 2, 3 and 5.

The most significant percental change occurs for **NFR 6.A** with plus 118 %.

Table 2: Changes in emission estimates for 2020

| NFR Sector | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|--------------|---------------|---|
| | [kt] | | | relative | |
| NATIONAL TOTAL | 515.77 | 525.48 | 9.71 | 1.88% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 12.72 | 12.50 | -0.22 | -1.71% | sub-category chapters |
| 1.A.1.a | 0.624 | 0.620 | -0.004 | -0.70% | here |
| 1.A.1.b | 0.528 | 0.527 | -0.001 | -0.19% | here |
| 1.A.1.c | 0.0244 | 0.0249 | 0.0005 | 1.89% | here |
| 1.A.2.a | 0.103 | 0.099 | -0.004 | -3.74% | here |
| 1.A.2.b | 0.0059 | 0.0075 | 0.002 | 27.5% | here |
| 1.A.2.e | 0.0010 | 0.0012 | 0.0002 | 25.3% | here |
| 1.A.2.f | 0.020 | 0.022 | 0.003 | 13.5% | here |
| 1.A.2.g vii | 0.008 | 0.006 | -0.003 | -33.8% | here |
| 1.A.2.g viii | 0.391 | 0.381 | -0.010 | -2.51% | here |
| 1.A.3.a i(i) | 0.060 | 0.060 | 0.000 | -0.22% | here |
| 1.A.3.a ii(i) | 0.0132 | 0.0125 | -0.0007 | -5.40% | here |
| 1.A.3.b i | 8.253 | 8.010 | -0.24 | -2.93% | here |

| | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|-----------------|-----------------------------------|------------------------------|
| NFR Sector | [kt] | | relative | see description and reasoning in: | |
| NATIONAL TOTAL | 515.77 | 525.48 | 9.71 | 1.88% | sub-category chapters |
| NFR 1 - Energy | 12.72 | 12.50 | -0.22 | -1.71% | sub-category chapters |
| 1.A.3.b ii | 0.261 | 0.251 | -0.010 | -3.85% | here |
| 1.A.3.b iii | 0.716 | 0.718 | 0.002 | 0.31% | here |
| 1.A.3.b iv | 0.0205 | 0.0200 | -0.0005 | -2.24% | here |
| 1.A.3.c | 0.008 | 0.008 | 0.000 | 0.05% | here |
| 1.A.3.d ii | 0.0053 | 0.0057 | 0.0004 | 7.28% | here |
| 1.A.4.a i | 0.457 | 0.233 | -0.22 | -49.1% | here |
| 1.A.4.a ii | 0.001838 | 0.001898 | 0.000060 | 3.26% | here |
| 1.A.4.b i | 1.126 | 1.388 | 0.26 | 23.3% | here |
| 1.A.4.b ii | 0.00029 | 0.00031 | 0.00001 | 4.60% | here |
| 1.A.4.c i | 0.050 | 0.059 | 0.009 | 17.8% | here |
| 1.A.4.c ii | 0.010 | 0.013 | 0.003 | 30.3% | here |
| 1.A.4.c iii | 0.00009 | 0.00009 | 0.00000 | 0.00% | here |
| 1.A.5.a | 0.0042297 | 0.0042302 | 0.0000005 | 0.01% | here |
| NFR 2 - IPPU | 8.85 | 8.69 | -0.16 | -1.80% | sub-category chapters |
| 2.A.3 | 1.16 | 1.00 | -0.16 | -13.8% | here |
| NFR 3 - Agriculture | 482.32 | 482.30 | -0.02 | -0.003% | sub-category chapters |
| 3.B.1.a | 53.81 | 53.91 | 0.10 | 0.19% | here |
| 3.B.1.b | 48.55 | 48.75 | 0.20 | 0.41% | here |
| 3.B.3 | 72.41 | 72.37 | -0.04 | -0.05% | here |
| 3.B.4.g i | 6.91 | 6.87 | -0.04 | -0.63% | here |
| 3.B.4.g ii | 8.13 | 8.11 | -0.03 | -0.31% | here |
| 3.B.4.g iii | 9.07 | 9.04 | -0.03 | -0.35% | here |
| 3.B.4.g iv | 1.53 | 1.52 | -0.01 | -0.92% | here |
| 3.D.a.1 | 34.87 | 35.02 | 0.15 | 0.44% | here |
| 3.D.a.2.a | 167.43 | 168.12 | 0.69 | 0.41% | here |
| 3.D.a.2.b | 1.67 | 1.61 | -0.06 | -3.85% | here |
| 3.D.a.2.c | 54.31 | 53.83 | -0.48 | -0.89% | here |
| 3.D.a.3 | 12.47 | 12.75 | 0.29 | 2.30% | here |
| 3.l | 3.18 | 2.31 | -0.86 | -27.2% | here |
| NFR 5 - Waste | 3.54 | 3.78 | 0.24 | 6.92% | sub-category chapters |
| 5.B.1 | 2.02 | 2.00 | -0.02 | -1.05% | here |
| 5.B.2 | 1.52 | 1.78 | 0.27 | 17.5% | here |
| NFR 6 - Other | 8.35 | 18.21 | 9.86 | 118% | sub-category chapters |
| 6.A | 8.35 | 18.21 | 9.86 | 118% | |