

Recalculations - Nitrogen Oxides

The marginal changes within the **National Total** reported for **1990 (-1.01kt or -0.04%)** are dominated by changes in NFRs **1.A.2.g vii** and **1.A.4.c ii** together with less significant revisions throughout NFRs 1, 2 and 3.

The most significant percental change occurs for **NFR 3.D.a.2.c with minus 92%**.

Table 1: Changes of emission estimates 1990

| NFR Sector | [kt] | | | relative | see description and reasoning in: |
|----------------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NATIONAL TOTAL | 2.843,28 | 2.842,27 | -1,01 | -0,04% | sub-category chapters |
| NFR 1 - Energy | 2.599,50 | 2.597,94 | -1,56 | -0,06% | sub-category chapters |
| 1.A.2.g vii | 50,30 | 35,42 | -14,88 | -29,6% | here |
| 1.A.3.a i(i) | 3,68 | 3,66 | -0,02 | -0,48% | here |
| 1.A.3.a ii(i) | 2,60 | 2,60 | -0,01 | -0,25% | here |
| 1.A.3.c | 45,32 | 45,49 | 0,17 | 0,38% | here |
| 1.A.3.d ii | 51,47 | 51,59 | 0,11 | 0,22% | here |
| 1.A.4.a ii | 11,58 | 10,59 | -1,00 | -8,59% | here |
| 1.A.4.c ii | 49,23 | 63,59 | 14,37 | 29,2% | here |
| 1.B.1.b | 0,67 | 0,35 | -0,32 | -47,5% | here |
| NFR 2 - IPPU | 100,73 | 100,73 | 0,00 | 0,00% | sub-category chapters |
| NFR 3 - Agriculture | 142,52 | 142,87 | 0,34 | 0,24% | sub-category chapters |
| 3.B.4.g i | 0,01425 | 0,01423 | -0,00002 | -0,14% | here |
| 3.B.4.g iv | 0,002480 | 0,002482 | 0,000002 | 0,08% | here |
| 3.D.a.1 | 86,57 | 86,53 | -0,03 | -0,04% | here |
| 3.D.a.2.a | 44,52 | 44,59 | 0,07 | 0,15% | here |
| 3.D.a.2.c | 0,22 | 0,42 | 0,20 | 91,2% | here |
| 3.D.a.3 | 8,40 | 8,50 | 0,10 | 1,17% | here |
| 3.I | 0,000083 | 0,000079 | -0,000004 | -5,19% | |
| NFR 5 - Waste | 0,53 | 0,74 | 0,21 | 39,2% | sub-category chapters |
| 5.C.2 | 0,39 | 0,60 | 0,21 | 53,3% | |
| NFR 6 - Other | 0,00 | 0,00 | 0,00 | | |

The small changes within the **National Total** reported for **2021 (-3.67 kt or -0.38 %)** result from a variety of **revisions in sub-categories of NFR 1** together with less significant revisions **throughout NFRs 2, 3 and 5**.

Here, the most significant percental change occurs for **NFR 5.C.2 with plus 53 %**.

Table 2: Changes of emission estimates 2020

| | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|--------------|-----------------------------------|------------------------------|
| NFR Sector | [kt] | | relative | see description and reasoning in: | |
| NATIONAL TOTAL | 968,78 | 965,11 | -3,67 | -0,38% | sub-category chapters |
| NFR 1 - Energy | 801,62 | 800,31 | -1,31 | -0,16% | sub-category chapters |
| 1.A.1.a | 203,25 | 203,63 | 0,38 | 0,19% | here |
| 1.A.1.b | 13,53 | 13,76 | 0,24 | 1,76% | here |
| 1.A.1.c | 12,43 | 12,99 | 0,56 | 4,54% | here |
| 1.A.2.a | 3,98 | 3,84 | -0,14 | -3,56% | here |
| 1.A.2.b | 0,89 | 0,97 | 0,09 | 9,64% | here |
| 1.A.2.e | 0,17 | 0,20 | 0,03 | 16,6% | here |
| 1.A.2.g vii | 13,41 | 8,21 | -5,21 | -38,8% | here |
| 1.A.2.g viii | 71,15 | 69,69 | -1,46 | -2,05% | here |
| 1.A.3.a i(i) | 5,55 | 5,54 | -0,01 | -0,24% | here |
| 1.A.3.a ii(i) | 0,93 | 0,86 | -0,07 | -7,97% | here |
| 1.A.3.b i | 189,99 | 184,83 | -5,16 | -2,71% | here |
| 1.A.3.b ii | 48,53 | 47,93 | -0,60 | -1,23% | here |
| 1.A.3.b iii | 79,01 | 79,19 | 0,18 | 0,23% | here |
| 1.A.3.b iv | 1,38 | 1,34 | -0,04 | -2,97% | here |
| 1.A.3.c | 8,84 | 8,86 | 0,02 | 0,18% | here |
| 1.A.3.d ii | 22,40 | 24,18 | 1,78 | 7,96% | here |
| 1.A.4.a i | 22,81 | 18,67 | -4,14 | -18,1% | here |
| 1.A.4.a ii | 7,10 | 7,18 | 0,08 | 1,12% | here |
| 1.A.4.b i | 56,85 | 61,60 | 4,75 | 8,36% | here |
| 1.A.4.b ii | 0,3913 | 0,4093 | 0,02 | 4,60% | here |
| 1.A.4.c i | 6,82 | 7,08 | 0,26 | 3,87% | here |
| 1.A.4.c ii | 26,21 | 33,67 | 7,45 | 28,4% | here |
| 1.A.4.c iii | 0,3132 | 0,3132 | 0,00 | 0,00% | here |
| 1.A.5.a | 0,275 | 0,275 | 0,000 | 0,01% | here |
| 1.A.5.b | 2,80 | 2,80 | 0,00 | 0,01% | here |
| 1.B.1.b | 0,61 | 0,28 | -0,32 | -53,1% | here |
| NFR 2 - IPPU | 58,42 | 58,25 | -0,17 | -0,29% | sub-category chapters |
| 2.A.3 | 11,13 | 10,95 | -0,17 | -1,56% | here |
| 2.B.2 | 0,99 | 0,99 | 0,00 | -0,06% | here |
| 2.C.1 | 20,748 | 20,751 | 0,003 | 0,01% | here |
| NFR 3 - Agriculture | 108,00 | 105,74 | -2,26 | -2,09% | sub-category chapters |
| 3.B.1.a | 0,492 | 0,493 | 0,001 | 0,19% | here |
| 3.B.1.b | 0,494 | 0,497 | 0,004 | 0,74% | here |
| 3.B.2 | 0,01 | 0,01 | 0,00 | 0,00% | here |
| 3.B.3 | 0,226 | 0,222 | -0,004 | -1,81% | here |
| 3.B.4.g i | 0,0184 | 0,0185 | 0,0001 | 0,42% | here |
| 3.B.4.g ii | 0,0135 | 0,0135 | 0,0000 | 0,26% | here |
| 3.B.4.g iii | 0,00939 | 0,00941 | 0,00002 | 0,24% | here |
| 3.B.4.g iv | 0,00202 | 0,00202 | 0,000002 | 0,09% | here |
| 3.D.a.1 | 51,30 | 49,08 | -2,22 | -4,32% | here |
| 3.D.a.2.a | 36,15 | 36,22 | 0,07 | 0,20% | here |
| 3.D.a.2.b | 0,49 | 0,47 | -0,02 | -3,85% | here |
| 3.D.a.2.c | 13,99 | 13,75 | -0,24 | -1,72% | here |
| 3.D.a.3 | 4,59 | 4,78 | 0,19 | 4,15% | here |
| 3.l | 0,17 | 0,12 | -0,05 | -27,2% | here |
| NFR 5 - Waste | 0,74 | 0,81 | 0,06 | 8,69% | sub-category chapters |
| 5.C.2 | 0,12 | 0,19 | 0,06 | 53,3% | here |
| NFR 6 - Other | 0,00 | 0,00 | 0,00 | | |