

Recalculations - Polyaromatic Hydrocarbons 1 to 4

The marginally small changes within the **National Total** reported for **1990 (+0.0001 t or +0.001 %)** result almost entirely from **revisions in several sub-categories of NFR 1** with the most significant percental change occurs for **1.A.3.a i(i) with minus 62 %**.

Table 1: Changes of emission estimates 1990

| NFR Sector | Submission 2023 | Submission 2024 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|---------------|---------------|---|
| | [t] | | | relative | |
| NATIONAL TOTAL | 115,75 | 115,67 | -0,08 | -0,07% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 102,48 | 102,40 | -0,08 | -0,08% | sub-category chapters |
| 1.A.1.c | 0,09 | 0,01 | -0,08 | -89,5% | here |
| 1.A.2.g vii | 0,14 | 0,10 | -0,04 | -28,8% | here |
| 1.A.3.a i(i) | 0,000010 | 0,000004 | -0,000006 | -62,4% | here |
| 1.A.3.a ii(i) | 0,00015 | 0,00016 | 0,00001 | 7,61% | here |
| 1.A.3.c | 0,2895 | 0,2899 | 0,0004 | 0,14% | here |
| 1.A.4.a ii | 0,0224 | 0,0195 | -0,0028 | -12,7% | here |
| 1.A.4.c ii | 0,17 | 0,21 | 0,04 | 26,1% | here |
| NFR 2 - IPPU | 11,8050 | 11,8058 | 0,0008 | 0,01% | sub-category chapters |
| 2.D.3.g | NA | 0,0008 | 0,0008 | | here |
| NFR 3 - Agriculture | 0,00 | 0,00 | 0,00 | | |
| NFR 5 - Waste | 1,46 | 1,46 | 0,00 | 0,00% | |
| NFR 6 - Other | 0,00 | 0,00 | 0,00 | | |

The changes in the **National Total** reported for **2020 (-1.73 t and -2.6 %)** result from a **variety of revisions throughout NFR 1** dominated by a revision in NFR sub-category **1.A.1.a with -0,61 t or -94,23 %**.

The significant percental change occurring in NFR 1.A.3.b iii results from a data error that will be corrected with the next annual submission.

Table 2: Changes of emission estimates 2020

| NFR Sector | Submission 2022 | Submission 2023 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|--------------|---------------|---|
| | [t] | | | relative | |
| NATIONAL TOTAL | 66,60 | 64,87 | -1,73 | -2,60% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 63,21 | 61,48 | -1,73 | -2,74% | sub-category chapters |
| 1.A.1.a | 0,65 | 0,04 | -0,61 | -94,23% | here |
| 1.A.1.b | 0,013 | 0,003 | -0,011 | -78,75% | here |
| 1.A.1.c | 0,0900 | 0,0897 | -0,0003 | -0,34% | here |
| 1.A.2.a | 0,000305 | 0,000300 | -0,000005 | -1,66% | here |
| 1.A.2.g vii | 0,1442 | 0,1476 | 0,0034 | 2,37% | here |
| 1.A.2.g viii | 0,67 | 0,90 | 0,22 | 33,07% | here |
| 1.A.3.a i(i) | 0,000000577 | 0,000000575 | -0,000000002 | -0,42% | here |
| 1.A.3.a ii(i) | 0,000014904 | 0,000014909 | 0,000000005 | 0,03% | here |
| 1.A.3.b i | 1,40 | 1,41 | 0,01 | 0,62% | here |
| 1.A.3.b ii | 0,210 | 0,214 | 0,004 | 1,97% | here |
| 1.A.3.b iii | 1,15 | 0,39 | -0,76 | -65,91% | here |
| 1.A.3.b iv | 0,0151 | 0,0153 | 0,0002 | 1,11% | here |
| 1.A.3.b vi | 0,0825 | 0,0822 | -0,0003 | -0,40% | here |
| 1.A.3.c | 0,032 | 0,034 | 0,002 | 6,26% | here |
| 1.A.3.d ii | 0,053542 | 0,053539 | -0,000004 | -0,01% | here |
| 1.A.4.a i | 7,13 | 7,29 | 0,15 | 2,16% | here |
| 1.A.4.a ii | 0,0178 | 0,0180 | 0,0002 | 0,89% | here |
| 1.A.4.b i | 50,57 | 49,82 | -0,75 | -1,48% | here |
| 1.A.4.b ii | 0,009 | 0,007 | -0,002 | -21,39% | here |
| 1.A.4.c i | 0,5789 | 0,5789 | -0,0001 | -0,01% | here |

| NFR Sector | Submission 2022 | Submission 2023 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|--------------|---------------|--|
| | | | | relative | |
| | | [t] | | | see description and reasoning in: |
| NATIONAL TOTAL | 66,60 | 64,87 | -1,73 | -2,60% | sub-category chapters |
| NFR 1 - Energy | 63,21 | 61,48 | -1,73 | -2,74% | sub-category chapters |
| 1.A.4.c ii | 0,176 | 0,178 | 0,003 | 1,56% | here |
| 1.A.5.a | 0,063 | 0,067 | 0,004 | 6,65% | here |
| 1.A.5.b | 0,005 | 0,005 | 0,000 | 0,00% | here |
| 1.B.1.b | 0,130 | 0,131 | 0,001 | 0,88% | here |
| NFR 2 - IPPU | 2,94 | 2,94 | 0,00 | 0,00% | |
| NFR 3 - Agriculture | | NA | | | |
| NFR 5 - Waste | 0,46 | 0,46 | 0,00 | 0,00% | |
| NFR 6 - Other | | NA | | | |