

Recalculations - Polyaromatic Hydrocarbons 1 to 4

The changes within the **National Total** reported for **1990 (-2.81 t or -2.37 %)** are dominated by a revision in **NFR 1.A.1.a with -2.78 t** together with much less significant changes throughout NFR 1.

With **minus 96%**, the change in **NFR 1.A.1.a** is also the most significant percental change.

Table 1: Changes of emission estimates 1990

| NFR Sector | Submission 2022 | Submission 2023 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|--------------|---------------|---|
| | [t] | | | relative | |
| NATIONAL TOTAL | 118,56 | 115,75 | -2,81 | -2,37% | see description and reasoning in: sub-category chapters |
| NFR 1 - Energy | 105,29 | 102,48 | -2,81 | -2,67% | sub-category chapters |
| 1.A.1.a | 2,89 | 0,12 | -2,78 | -95,99% | here |
| 1.A.1.b | 0,03 | 0,01 | -0,03 | -81,40% | here |
| 1.A.2.g vii | 0,1399 | 0,1401 | 0,0002 | 0,17% | here |
| 1.A.3.b i | 1,219 | 1,242 | 0,023 | 1,86% | here |
| 1.A.3.b ii | 0,047 | 0,060 | 0,013 | 26,86% | here |
| 1.A.3.b iii | 0,836 | 0,795 | -0,041 | -4,87% | here |
| 1.A.3.b iv | 0,017 | 0,018 | 0,001 | 2,99% | here |
| 1.A.4.a ii | 0,02238 | 0,02236 | -0,00002 | -0,09% | here |
| 1.A.4.c ii | 0,1659 | 0,1657 | -0,0002 | -0,13% | here |
| NFR 2 - IPPU | 11,80 | 11,80 | 0,00 | 0,00% | sub-category chapters |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | 1,46 | 1,46 | 0,00 | 0,00% | |
| NFR 6 - Other | NA | | | | |

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) | 0,00000577 | 0,00000575 | -0,00000002 | -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 |

| | Submission 2022 | Submission 2023 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|--------------|-----------------|--|
| NFR Sector | [t] | | | relative | 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.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 |
| 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 | | | | |