

Recalculations - Benzo[a]Pyrene (B[a]P)

The strong changes within the **National Total reported for 1990 (-111 kt | -80 %)** are dominated by changes in **NFRs 1.A.4.a i and 1.A.4.b i**.

However, the most significant relative change occurs for **NFR 1.A.5.a with plus 168,754 %**.

Table 1: Changes of emission estimates 1990

| NFR Sector | Submission 2020 | Submission 2021 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|----------------|----------------|-----------------------------------|
| | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 139,27 | 27,94 | -111,33 | -79,94% | sub-category chapters |
| NFR 1 - Energy | 136,68 | 25,40 | -111,28 | -81,42% | sub-category chapters |
| 1.A.2.g vii | 0,034 | 0,035 | 0,001 | 1,58% | here |
| 1.A.2.g viii | 0,98 | 0,98 | 0,00 | 0,00% | here |
| 1.A.3.a i(i) | NE | 0,000003 | 0,000003 | | here |
| 1.A.3.a ii(i) | 0,00031 | 0,00005 | -0,00026 | -84,90% | here |
| 1.A.3.b i | 0,288 | 0,287 | -0,001 | -0,28% | here |
| 1.A.3.b ii | 0,02 | 0,01 | -0,01 | -32,97% | here |
| 1.A.3.b iii | 0,052 | 0,055 | 0,002 | 4,14% | here |
| 1.A.3.b iv | 0,0045 | 0,0042 | -0,0003 | -6,18% | here |
| 1.A.3.b vi | 0,0222 | 0,0221 | -0,0001 | -0,28% | here |
| 1.A.4.a i | 11,96 | 2,26 | -9,69 | -81,08% | here |
| 1.A.4.a ii | 0,0054 | 0,0055 | 0,0001 | 0,94% | here |
| 1.A.4.b i | 119,37 | 18,06 | -101,31 | -84,87% | here |
| 1.A.4.b ii | 0,00 | 0,00 | 0,00 | 0,00% | here |
| 1.A.4.c i | 1,58 | 0,64 | -0,94 | -59,71% | here |
| 1.A.4.c ii | 0,0425 | 0,0419 | -0,0006 | -1,40% | here |
| 1.A.4.c iii | 0,00 | 0,00 | 0,00 | 0,00% | here |
| 1.A.5.a | 0,0004 | 0,6684 | 0,6680 | 168,754% | here |
| NFR 2 - IPPU | 2,03 | 1,98 | -0,05 | -2,51% | sub-category chapters |
| 2.G | 0,09 | 0,04 | -0,05 | -58,42% | here |
| NFR 3 - Agriculture | NA | | | | |
| NFR 5 - Waste | 0,56 | 0,56 | 0,00 | 0,00% | |
| NFR 6 -Other | NA | | | | |

The strong changes within the **National Total reported for 1990 (-12.4 kt | -44 %)** are dominated by changes in **NFRs 1.A.4.a i and 1.A.4.b i**.

However, the most significant relative change occurs for **NFR 2.G with minus 50 %**.

Table 2: Changes of emission estimates 2018

| NFR Sector | Submission 2020 | Submission 2021 | Difference | | Reasoning |
|-----------------------|-----------------|-----------------|---------------|----------------|-----------------------------------|
| | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 28,21 | 15,84 | -12,38 | -43,87% | sub-category chapters |
| NFR 1 - Energy | 27,68 | 15,33 | -12,35 | -44,62% | sub-category chapters |
| 1.A.1.a | 0,048 | 0,049 | 0,001 | 2,57% | here |
| 1.A.1.b | 0,0028 | 0,0030 | 0,0003 | 9,48% | here |
| 1.A.1.c | 0,0010 | 0,0014 | 0,0004 | 33,54% | here |
| 1.A.2.a | 0,000122 | 0,000123 | 0,000001 | 0,89% | here |
| 1.A.2.g vii | 0,033 | 0,035 | 0,002 | 7,40% | here |
| 1.A.2.g viii | 0,0216 | 0,0215 | -0,0002 | -0,70% | here |
| 1.A.3.a i(i) | NE | 0,0000016 | 0,0000016 | | here |
| 1.A.3.a ii(i) | 0,000049 | 0,000031 | -0,000018 | -36,34% | here |
| 1.A.3.b i | 0,41 | 0,42 | 0,01 | 2,53% | here |
| 1.A.3.b ii | 0,057 | 0,058 | 0,001 | 1,25% | here |

| | Submission 2020 | Submission 2021 | Difference | | Reasoning |
|----------------------------|-----------------|-----------------|---------------|-----------------|------------------------------------------|
| NFR Sector | [t] | | | relative | see description and reasoning in: |
| NATIONAL TOTAL | 28,21 | 15,84 | -12,38 | -43,87% | sub-category chapters |
| NFR 1 - Energy | 27,68 | 15,33 | -12,35 | -44,62% | sub-category chapters |
| 1.A.3.b iii | 0,079 | 0,076 | -0,003 | -3,34% | here |
| 1.A.3.b iv | 0,00361 | 0,00357 | -0,00004 | -1,19% | here |
| 1.A.3.b vi | 0,0325 | 0,0324 | -0,0001 | -0,15% | here |
| 1.A.3.c | 0,008 | 0,007 | -0,001 | -13,98% | here |
| 1.A.3.d ii | 0,0163 | 0,0168 | 0,0005 | 2,79% | here |
| 1.A.4.a i | 3,06 | 1,54 | -1,52 | -49,81% | here |
| 1.A.4.a ii | 0,005 | 0,004 | -0,001 | -15,36% | here |
| 1.A.4.b i | 23,54 | 12,82 | -10,72 | -45,55% | here |
| 1.A.4.c i | 0,24 | 0,14 | -0,10 | -43,03% | here |
| 1.A.4.c ii | 0,042 | 0,041 | -0,001 | -2,75% | here |
| 1.A.4.c iii | 0,00172 | 0,00177 | 0,00005 | 2,65% | here |
| 1.A.5.a | 0,018 | 0,011 | -0,01 | -35,84% | here |
| NFR 2 - IPPU | 0,09 | 0,07 | -0,03 | -27,36% | sub-category chapters |
| 2.G | 0,05 | 0,03 | -0,03 | -50,27% | here |
| NFR 3 - Agriculture | | NA | | | |
| NFR 5 - Waste | 0,44 | 0,44 | 0,00 | 0,00% | |
| NFR 6 - Other | | NA | | | |