

# Recalculations - Benzo[a]Pyrene

The marginally small changes within the **National Total** reported for **1990 (+0.0001 t or +0.004 %)** 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

|                            | Submission 2023 | Submission 2024 | Difference    |                | Reasoning                         |
|----------------------------|-----------------|-----------------|---------------|----------------|-----------------------------------|
| NFR Sector                 | [t]             |                 |               | relative       | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>26,9894</b>  | <b>26,9895</b>  | <b>0,0001</b> | <b>0,0004%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>25,4657</b>  | <b>25,4658</b>  | <b>0,0001</b> | <b>0,0004%</b> | <b>sub-category chapters</b>      |
| 1.A.2.g vii                | 0,035           | 0,025           | -0,010        | -28,3%         | <a href="#">here</a>              |
| 1.A.3.a i(i)               | 0,0000022       | 0,0000008       | -0,0000013    | -62,4%         | <a href="#">here</a>              |
| 1.A.3.a ii(i)              | 0,000031        | 0,000033        | 0,000002      | 7,61%          | <a href="#">here</a>              |
| 1.A.3.c                    | 0,0959          | 0,0960          | 0,0001        | 0,11%          | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0,0055          | 0,0048          | -0,0007       | -12,7%         | <a href="#">here</a>              |
| 1.A.4.c ii                 | 0,04            | 0,05            | 0,01          | 25,3%          | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>0,96</b>     | <b>0,96</b>     | <b>0,00</b>   | <b>0,00%</b>   |                                   |
| <b>NFR 3 - Agriculture</b> | <b>0,00</b>     | <b>0,00</b>     | <b>0,00</b>   |                |                                   |
| <b>NFR 5 - Waste</b>       | <b>0,56</b>     | <b>0,56</b>     | <b>0,00</b>   | <b>0,00%</b>   |                                   |
| <b>NFR 6 - Other</b>       | <b>0,00</b>     | <b>0,00</b>     | <b>0,00</b>   |                |                                   |

The changes within the **National Total** reported for **2020 (-0.19 t or -1.23 %)** result from a variety of revisions throughout **NFRs 1 and 2**.

Table 2: Changes of emission estimates 2020

|                       | Submission 2023 | Submission 2024 | Difference  |              | Reasoning                                        |
|-----------------------|-----------------|-----------------|-------------|--------------|--------------------------------------------------|
| NFR Sector            | [t]             |                 |             | relative     | see description and reasoning in:                |
| <b>NATIONAL TOTAL</b> | <b>17,45</b>    | <b>17,53</b>    | <b>0,09</b> | <b>0,49%</b> | <b>sub-category chapters</b>                     |
| NFR 1 - Energy        | 17,22           | 17,30           | 0,09        | 0,50%        | sub-category chapters                            |
| 1.A.1.a               | 0,0429          | 0,0426          | -0,0002     | -0,56%       | <a href="#">here</a>                             |
| 1.A.1.b               | 0,0031          | 0,0030          | -0,0001     | -3,73%       | <a href="#">here</a>                             |
| 1.A.1.c               | 0,0008          | 0,0009          | 0,0001      | 14,4%        | <a href="#">here</a>                             |
| 1.A.2.a               | 0,000117        | 0,000113        | -0,000004   | -3,76%       | <a href="#">here</a>                             |
| 1.A.2.b               | IE              | IE              | #WERT!      | #WERT!       | <a href="#">here</a>                             |
| 1.A.2.c               | IE              | IE              | #WERT!      | #WERT!       | <a href="#">here</a>                             |
| 1.A.2.d               | IE              | IE              | #WERT!      | #WERT!       | <a href="#">here</a>                             |
| 1.A.2.e               | NE              | NE              | #WERT!      | #WERT!       | <a href="#">here</a>                             |
| 1.A.2.f               | NA              | NA              | #WERT!      | #WERT!       | <a href="#">here</a>                             |
| 1.A.2.g vii           | 0,037           | 0,026           | -0,011      | -30,1%       | <a href="#">here</a>                             |
| 1.A.2.g viii          | 0,021           | 0,020           | -0,001      | -5,19%       | <a href="#">here</a>                             |
| 1.A.3.a i(i)          | 0,00000032      | 0,00000030      | -0,00000002 | -5,24%       | <a href="#">here</a>                             |
| 1.A.3.a ii(i)         | 0,000004036     | 0,000004039     | 0,000000003 | 0,07%        | <a href="#">here</a>                             |
| 1.A.3.b i             | 0,372           | 0,365           | -0,006      | -1,74%       | <a href="#">here</a>                             |
| 1.A.3.b ii            | 0,064           | 0,063           | -0,001      | -1,94%       | <a href="#">here</a>                             |
| 1.A.3.b iii           | 0,03            | 0,07            | 0,04        | 130%         | <a href="#">here</a>                             |
| 1.A.3.b iv            | 0,00336         | 0,00339         | 0,00003     | 1,02%        | <a href="#">here</a>                             |
| 1.A.3.b v             | NA              | NA              | #WERT!      | #WERT!       | <a href="#">here</a>                             |
| 1.A.3.b vi            | 0,02952         | 0,02956         | 0,00004     | 0,13%        | <a href="#">here</a>                             |
| 1.A.3.b vii           | NA              | NA              | #WERT!      | #WERT!       | <a href="#">here</a>                             |
| 1.A.3.c               | 0,008391        | 0,008397        | 0,000006    | 0,07%        | <a href="#">here</a>                             |
| 1.A.3.d i(ii)         | IE              | IE              | #WERT!      | #WERT!       |                                                  |
| 1.A.3.d ii            | 0,014           | 0,015           | 0,001       | 7,86%        | <a href="#">here</a>                             |
| 1.A.3.e i             | NA              | NA              | #WERT!      | #WERT!       | <a href="#">1.A.3.e i - Pipeline Transport ]</a> |

|                       | Submission 2023 | Submission 2024 | Difference  |                 | Reasoning                                |
|-----------------------|-----------------|-----------------|-------------|-----------------|------------------------------------------|
| <b>NFR Sector</b>     |                 | <b>[t]</b>      |             | <b>relative</b> | <b>see description and reasoning in:</b> |
| <b>NATIONAL TOTAL</b> | <b>17,45</b>    | <b>17,53</b>    | <b>0,09</b> | <b>0,49%</b>    | <b>sub-category chapters</b>             |
| 1.A.3.e ii            | NA              | NA              | #WERT!      | #WERT!          | 1.A.3.e ii - Other Transport: Other ]    |
| <b>1.A.4.a i</b>      | <b>2,01</b>     | <b>2,05</b>     | <b>0,04</b> | <b>2,14%</b>    | <b>here</b>                              |
| <b>1.A.4.a ii</b>     |                 | <b>0,00427</b>  |             |                 | <b>here</b>                              |
| <b>1.A.4.b i</b>      | <b>14,30</b>    | <b>14,31</b>    | <b>0,01</b> | <b>0,06%</b>    | <b>here</b>                              |
| <b>1.A.4.b ii</b>     |                 | <b>0,00298</b>  |             |                 | <b>here</b>                              |
| 1.A.4.c i             | 0,1626          | 0,1630          | 0,0004      | 0,27%           | here                                     |
| 1.A.4.c ii            | 0,05            | 0,06            | 0,01        | 29,2%           | here                                     |
| 1.A.4.c iii           | 0,0001851       | 0,0001851       | 0,0000000   | 0,00%           | here                                     |
| 1.A.5.a               | 0,022196        | 0,022206        | 0,000010    | 0,04%           | here                                     |
| 1.A.5.b               | 0,0020353       | 0,0020356       | 0,0000003   | 0,01%           | here                                     |
| NFR 2 - IPPU          | 0,0521035       | 0,0521035       | 0,0000000   | 0,00%           | sub-category chapters                    |
| NFR 3 - Agriculture   | 0,0000000       | 0,0000000       | 0,0000000   | #DIV/0!         | sub-category chapters                    |
| NFR 5 - Waste         | 0,1745894       | 0,1745894       | 0,0000000   | 0,00%           | sub-category chapters                    |
| NFR 6 - Other         | 0,0000000       | 0,0000000       | 0,0000000   | #DIV/0!         |                                          |