

# 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

| NFR Sector                 | Submission 2023 | Submission 2024 | Difference     |                | Reasoning  |
|----------------------------|-----------------|-----------------|----------------|----------------|--|
|                            | [t]             |                 |                | relative       |  |
| <b>NATIONAL TOTAL</b>      | <b>26,9894</b>  | <b>26,9895</b>  | <b>0,0001</b>  | <b>0,0004%</b> | <b>see description and reasoning in: 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           | <u>-0,010</u>  | -28,3%         | <a href="#">here</a>   |
| 1.A.3.a i(i)               | 0,0000022       | 0,0000008       | -0,0000013     | <u>-62,4%</u>  | <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          | <u>-0,0007</u> | -12,7%         | <a href="#">here</a>   |
| 1.A.4.c ii                 | 0,04            | 0,05            | <u>0,01</u>    | 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 small changes within the **National Total** reported for **2021 (+0.09 t or +0.5 %)** result from a **variety of small revisions throughout NFR 1**.

The significant percental change occurring in NFR 1.A.3.b iii (+130 %) results from a correction of erroneous data reported with the previous submission.

Table 2: Changes of emission estimates 2021

| NFR Sector            | Submission 2023 | Submission 2024 | Difference  |              | Reasoning  |
|-----------------------|-----------------|-----------------|-------------|--------------|--|
|                       | [t]             |                 |             | relative     |  |
| <b>NATIONAL TOTAL</b> | <b>17,45</b>    | <b>17,53</b>    | <b>0,09</b> | <b>0,49%</b> | <b>see description and reasoning in: 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.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        | <u>130%</u>  | <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 vi            | 0,02952         | 0,02956         | 0,00004     | 0,13%        | <a href="#">here</a>   |
| 1.A.3.c               | 0,008391        | 0,008397        | 0,000006    | 0,07%        | <a href="#">here</a>   |
| 1.A.3.d ii            | 0,014           | 0,015           | 0,001       | 7,86%        | <a href="#">here</a>   |
| 1.A.4.a i             | 2,01            | 2,05            | 0,04        | 2,14%        | <a href="#">here</a>   |
| 1.A.4.a ii            | 0,00427         | 0,00453         | 0,00026     | 6,00%        | <a href="#">here</a>   |
| 1.A.4.b i             | 14,30           | 14,31           | 0,01        | 0,06%        | <a href="#">here</a>   |
| 1.A.4.b ii            | 0,00298         | 0,00312         | 0,00014     | 4,60%        | <a href="#">here</a>   |
| 1.A.4.c i             | 0,1626          | 0,1630          | 0,0004      | 0,27%        | <a href="#">here</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.4.c ii                 | 0,05             | 0,06             | 0,01             | 29,2%           | <a href="#">here</a>                     |
| 1.A.5.a                    | 0,022196         | 0,022206         | 0,000010         | 0,04%           | <a href="#">here</a>                     |
| 1.A.5.b                    | 0,0020353        | 0,0020356        | 0,0000003        | 0,01%           | <a href="#">here</a>                     |
| <b>NFR 2 - IPPU</b>        | <b>0,0521035</b> | <b>0,0521035</b> | <b>0,0000000</b> | <b>0,00%</b>    |  |
| <b>NFR 3 - Agriculture</b> | <b>NA</b>        |                  |                  |                 |  |
| <b>NFR 5 - Waste</b>       | <b>0,1745894</b> | <b>0,1745894</b> | <b>0,0000000</b> | <b>0,00%</b>    |  |
| <b>NFR 6 - Other</b>       | <b>NA</b>        |                  |                  |                 |  |