

# Recalculations - Benzo[a]Pyrene

With no reportable changes within the **National Total** reported for **1990**, the only notable percental changes occur for NFRs **1.A.2.g vii with -2.02 %**, **1.A.4.a ii with -2.16 %** and **1.A.4.c ii with plus 0.49 %** with mutually canceling absolute changes.

Table 1: Changes of emission estimates 1990

|                            | Submission 2024 | Submission 2025 | Difference  |              | Reasoning                         |
|----------------------------|-----------------|-----------------|-------------|--------------|-----------------------------------|
| NFR Sector                 | [t]             |                 |             | relative     | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>26.99</b>    | <b>26.99</b>    | <b>0.00</b> | <b>0.00%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>25.47</b>    | <b>25.47</b>    | <b>0.00</b> | <b>0.00%</b> | <b>sub-category chapters</b>      |
| 1.A.2.g vii                | 0.0250          | 0.0245          | -0.0005     | -2.05%       | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0.0048          | 0.0047          | -0.0001     | -2.16%       | <a href="#">here</a>              |
| 1.A.4.c ii                 | 0.0525          | 0.0531          | 0.0006      | 1.18%        | <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>NA</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>NA</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 occuring in NFR 1.A.3.b iii (+130 %) results from a correction of errenous data reported with the previous submission.

Table 2: Changes of emission estimates 2021

|                       | 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.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 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>              |
| 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>              |

|                            | 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>             |
| <b>NFR 2 - IPPU</b>        | <b>0.05</b>     | <b>0.05</b>     | <b>0.00</b> | <b>0.00%</b>    |                                          |
| <b>NFR 3 - Agriculture</b> | <b>NA</b>       |                 |             |                 |                                          |
| <b>NFR 5 - Waste</b>       | <b>0.18</b>     | <b>0.18</b>     | <b>0.00</b> | <b>0.00%</b>    |                                          |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |             |                 |                                          |