

# Recalculations - Polyaromatic Hydrocarbons 1 to 4

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 -2.07 %**, **1.A.4.a ii with -2.14 %** and **1.A.4.c ii with plus 1.19 %** 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>115.75</b>   | <b>115.67</b>   | <b>-0.08</b>  | <b>-0.07%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>102.48</b>   | <b>102.40</b>   | <b>-0.08</b>  | <b>-0.08%</b> | <b>sub-category chapters</b>      |
| 1.A.2.g vii                | 0.14            | 0.10            | -0.04         | -28.8%        | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0.0224          | 0.0195          | -0.0028       | -12.7%        | <a href="#">here</a>              |
| 1.A.4.c ii                 | 0.17            | 0.21            | 0.04          | 26.1%         | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>11.8050</b>  | <b>11.8058</b>  | <b>0.0008</b> | <b>0.01%</b>  | <b>sub-category chapters</b>      |
| <b>NFR 3 - Agriculture</b> | <b>NA</b>       |                 |               |               |                                   |
| <b>NFR 5 - Waste</b>       | <b>1.46</b>     | <b>1.46</b>     | <b>0.00</b>   | <b>0.00%</b>  |                                   |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |               |               |                                   |

The changes in the **National Total** reported for **2021 (+0.58 t or +0.78 %)** result from a **variety of revisions throughout NFR 1** with the **most significant absolute and percental change** occurring in **NFR 1.A.3.b iii (+0.62 t or +130 %)** resulting from a correction of erroneous 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>75.08</b>    | <b>75.67</b>    | <b>0.58</b>  | <b>0.78%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>71.29</b>    | <b>71.88</b>    | <b>0.58</b>  | <b>0.82%</b> | <b>sub-category chapters</b>      |
| 1.A.1.a               | 0.04289         | 0.04265         | -0.00024     | -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               | 0.064           | 0.001           | -0.063       | -98.6%       | <a href="#">here</a>              |
| 1.A.2.a               | 0.000330        | 0.000317        | -0.000013    | -3.82%       | <a href="#">here</a>              |
| 1.A.2.g vii           | 0.15            | 0.10            | -0.05        | -32.9%       | <a href="#">here</a>              |
| 1.A.2.g viii          | 0.82            | 0.66            | -0.17        | -20.1%       | <a href="#">here</a>              |
| 1.A.3.a i(i)          | 0.0000015       | 0.0000014       | -0.0000001   | -5.24%       | <a href="#">here</a>              |
| 1.A.3.a ii(i)         | 0.00001923      | 0.00001924      | 0.00000001   | 0.07%        | <a href="#">here</a>              |
| 1.A.3.b i             | 1.43            | 1.41            | -0.02        | -1.59%       | <a href="#">here</a>              |
| 1.A.3.b ii            | 0.232           | 0.228           | -0.004       | -1.93%       | <a href="#">here</a>              |
| 1.A.3.b iii           | 0.48            | 1.10            | 0.62         | 130%         | <a href="#">here</a>              |
| 1.A.3.b iv            | 0.01392         | 0.01406         | 0.00014      | 1.02%        | <a href="#">here</a>              |
| 1.A.3.b vi            | 0.0830          | 0.0831          | 0.0001       | 0.13%        | <a href="#">here</a>              |
| 1.A.3.c               | 0.03415         | 0.03417         | 0.00002      | 0.07%        | <a href="#">here</a>              |
| 1.A.3.d ii            | 0.055           | 0.059           | 0.004        | 7.86%        | <a href="#">here</a>              |
| 1.A.4.a i             | 8.21            | 8.39            | 0.17         | 2.12%        | <a href="#">here</a>              |
| 1.A.4.a ii            | 0.017           | 0.018           | 0.001        | 6.00%        | <a href="#">here</a>              |
| 1.A.4.b i             | 58.573          | 58.607          | 0.035        | 0.06%        | <a href="#">here</a>              |
| 1.A.4.b ii            | 0.0069          | 0.0072          | 0.0003       | 4.60%        | <a href="#">here</a>              |
| 1.A.4.c i             | 0.666           | 0.668           | 0.002        | 0.28%        | <a href="#">here</a>              |
| 1.A.4.c ii            | 0.18            | 0.23            | 0.05         | 29.1%        | <a href="#">here</a>              |
| 1.A.5.a               | 0.09088         | 0.09092         | 0.00004      | 0.04%        | <a href="#">here</a>              |
| 1.A.5.b               | 0.0050489       | 0.0050496       | 0.0000007    | 0.01%        | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>   | <b>3.333</b>    | <b>3.334</b>    | <b>0.001</b> | <b>0.03%</b> | <b>sub-category chapters</b>      |
| 2.D.3.g               | NA              | 0.001           | 0.001        |              | <a href="#">here</a>              |

|                     | Submission 2023 | Submission 2024 | Difference |          | Reasoning                         |
|---------------------|-----------------|-----------------|------------|----------|-----------------------------------|
| NFR Sector          | [t]             |                 |            | relative | see description and reasoning in: |
| NATIONAL TOTAL      | 75.08           | 75.67           | 0.58       | 0.78%    | sub-category chapters             |
| NFR 1 - Energy      | 71.29           | 71.88           | 0.58       | 0.82%    | sub-category chapters             |
| NFR 3 - Agriculture | NA              |                 |            |          |                                   |
| NFR 5 - Waste       | 0.46            | 0.46            | 0.00       | 0.00%    |                                   |
| NFR 6 - Other       | NA              |                 |            |          |                                   |