

# 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 -2.10 %**, **1.A.4.a ii with -2.16 %** and **1.A.4.c ii with plus 1.20 %** 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>115.67</b>   | <b>115.67</b>   | <b>0.00</b> | <b>0.00%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>102.40</b>   | <b>102.40</b>   | <b>0.00</b> | <b>0.00%</b> | <b>sub-category chapters</b>      |
| 1.A.2.g vii                | 0.0998          | 0.0977          | -0.0021     | -2.10%       | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0.0195          | 0.0191          | -0.0004     | -2.16%       | <a href="#">here</a>              |
| 1.A.4.c ii                 | 0.2088          | 0.2114          | 0.0025      | 1.20%        | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>11.81</b>    | <b>11.81</b>    | <b>0.00</b> | <b>0.00%</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 significant changes in the **National Total** reported for **2022 (+3.53 t or +4.87 %)** 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 2022

|                            | Submission 2024 | Submission 2025 | Difference     |                | Reasoning                         |
|----------------------------|-----------------|-----------------|----------------|----------------|-----------------------------------|
| NFR Sector                 | [t]             |                 |                | relative       | see description and reasoning in: |
| <b>NFR 1 - Energy</b>      | <b>72.51</b>    | <b>76.04</b>    | <b>3.53</b>    | <b>4.87%</b>   | <b>sub-category chapters</b>      |
| <b>1.A.1.a</b>             | <b>0.0474</b>   | <b>0.0471</b>   | <b>-0.0003</b> | <b>-0.62%</b>  | <a href="#">here</a>              |
| 1.A.1.b                    | 0.0043          | 0.0042          | -0.0001        | -2.74%         | <a href="#">here</a>              |
| 1.A.1.c                    | 0.0009          | 0.0008          | -0.0001        | -10.23%        | <a href="#">here</a>              |
| 1.A.2.a                    | 0.00029         | 0.00030         | 0.00001        | 1.97%          | <a href="#">here</a>              |
| 1.A.2.g vii                | 0.086           | 0.081           | -0.005         | -5.63%         | <a href="#">here</a>              |
| 1.A.2.g viii               | 0.70            | 0.65            | -0.05          | -7.53%         | <a href="#">here</a>              |
| 1.A.3.b i                  | 1.468           | 1.469           | 0.001          | 0.08%          | <a href="#">here</a>              |
| 1.A.3.b ii                 | 0.237           | 0.233           | -0.004         | -1.73%         | <a href="#">here</a>              |
| 1.A.3.b iii                | 1.05            | 1.06            | 0.01           | 0.90%          | <a href="#">here</a>              |
| 1.A.3.b iv                 | 0.0153          | 0.0149          | -0.0004        | -2.57%         | <a href="#">here</a>              |
| 1.A.3.c                    | 0.03228         | 0.03233         | 0.00005        | 0.16%          | <a href="#">here</a>              |
| 1.A.3.d ii                 | 0.051           | 0.050           | -0.002         | -3.03%         | <a href="#">here</a>              |
| 1.A.4.a i                  | 8.23            | 7.92            | -0.30          | -3.70%         | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0.016           | 0.014           | -0.003         | -16.05%        | <a href="#">here</a>              |
| 1.A.4.b i                  | 59.42           | 63.31           | 3.89           | 6.55%          | <a href="#">here</a>              |
| 1.A.4.b ii                 | 0.0072          | 0.0074          | 0.0002         | 2.11%          | <a href="#">here</a>              |
| 1.A.4.c i                  | 0.595           | 0.587           | -0.008         | -1.35%         | <a href="#">here</a>              |
| 1.A.4.c ii                 | 0.23            | 0.24            | 0.01           | 2.87%          | <a href="#">here</a>              |
| 1.A.5.b                    | 0.0054          | 0.0061          | 0.0007         | 13.74%         | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>3.12785</b>  | <b>3.12786</b>  | <b>0.00001</b> | <b>0.0003%</b> | <b>sub-category chapters</b>      |
| 2.G                        | 0.11992         | 0.11993         | 0.00001        | 0.01%          | <a href="#">here</a>              |
| <b>NFR 3 - Agriculture</b> | <b>NA</b>       |                 |                |                |                                   |
| <b>NFR 5 - Waste</b>       | <b>1.10</b>     | <b>1.10</b>     | <b>0.00</b>    | <b>0.00%</b>   |                                   |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |                |                |                                   |