

# Recalculations - Non-Methane Volatile Organic Compounds

The changes within the **National Total reported for 1990 (-19.5 kt or -0.49 %)** are dominated by NFR sub-categories **5.C.2 (-19,6 kt or -96,9 %)** with the strongest percental change occurring for **2.G with plus 2,409 %** resulting from a re-allocation from NFR 2.D.3.i.

Table 1: Changes in emission estimates for 1990

| NFR Sector                 | Submission 2023 | Submission 2024 | Difference    |               | Reasoning                         |
|----------------------------|-----------------|-----------------|---------------|---------------|-----------------------------------|
|                            | [kt]            |                 |               | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>3,948.88</b> | <b>3,929.35</b> | <b>-19.53</b> | <b>-0.49%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>2,220.72</b> | <b>2,220.36</b> | <b>-0.36</b>  | <b>-0.02%</b> | <b>sub-category chapters</b>      |
| 1.A.2.g vii                | 9.97            | 7.28            | -2.68         | -26.1%        | <a href="#">here</a>              |
| 1.A.3.a i(i)               | 0.75            | 0.77            | 0.02          | 2.66%         | <a href="#">here</a>              |
| 1.A.3.a ii(i)              | 0.40            | 0.50            | 0.10          | 23.6%         | <a href="#">here</a>              |
| 1.A.3.c                    | 4.22            | 4.24            | 0.02          | 0.38%         | <a href="#">here</a>              |
| 1.A.3.d ii                 | 3.27            | 3.53            | 0.27          | 8.20%         | <a href="#">here</a>              |
| 1.A.4.a ii                 | 2.34            | 2.10            | -0.25         | -10.5%        | <a href="#">here</a>              |
| 1.A.4.c ii                 | 32.22           | 34.73           | 2.51          | 7.80%         | <a href="#">here</a>              |
| 1.A.5.b                    | 21.30           | 22.97           | 1.67          | 7.86%         | <a href="#">here</a>              |
| 1.B.1.b                    | 7.86            | 5.75            | -2.11         | -26.9%        | <a href="#">here</a>              |
| 1.B.2.a iv                 | 73.15           | 72.03           | -1.12         | -1.53%        |                                   |
| 1.B.2.a v                  | 87.79           | 88.91           | 1.12          | 1.28%         |                                   |
| 1.B.2.b                    | 8.94            | 9.03            | 0.10          | 1.07%         |                                   |
| <b>NFR 2 - IPPU</b>        | <b>1,291.63</b> | <b>1,291.63</b> | <b>0.00</b>   | <b>0.00%</b>  | <b>sub-category chapters</b>      |
| 2.D.3.i                    | 242.18          | 203.08          | -39.10        | -16.1%        | <a href="#">here</a>              |
| 2.G                        | 1.62            | 40.72           | 39.10         | 2,409%        | <a href="#">here</a>              |
| <b>NFR 3 - Agriculture</b> | <b>398.60</b>   | <b>399.07</b>   | <b>0.47</b>   | <b>0.12%</b>  | <b>sub-category chapters</b>      |
| 3.B.4.h                    | NE              | 0.47            | 0.47          |               | <a href="#">here</a>              |
| <b>NFR 5 - Waste</b>       | <b>37.92</b>    | <b>18.28</b>    | <b>-19.64</b> | <b>-51.8%</b> | <b>sub-category chapters</b>      |
| 5.C.2                      | 20.28           | 0.63            | -19.64        | -96.9%        | <a href="#">here</a>              |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |               |               |                                   |

The small changes within the **National Total reported for 2021 (-1.32 kt or -0.137 %)** result from several more or less significant revisions in **NFR1, 2 3 and 4**.

The strongest percental change occurs for **NFR 2.G with plus 2,816 %**, mostly resulting from a re-allocation of emissions from NFR 2.D.3.i.

Table 2: Changes in emission estimates for 2021

| NFR Sector            | Submission 2023 | Submission 2024 | Difference   |               | Reasoning                         |
|-----------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
|                       | [kt]            |                 |              | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>1,044.19</b> | <b>1,042.87</b> | <b>-1.32</b> | <b>-0.13%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>196.27</b>   | <b>197.15</b>   | <b>0.88</b>  | <b>0.45%</b>  | <b>sub-category chapters</b>      |
| 1.A.1.a               | 7.05            | 7.06            | 0.02         | 0.22%         | <a href="#">here</a>              |
| 1.A.1.b               | 0.77            | 0.77            | 0.00         | 0.61%         | <a href="#">here</a>              |
| 1.A.1.c               | 0.37            | 0.40            | 0.02         | 6.10%         | <a href="#">here</a>              |
| 1.A.2.a               | 0.250           | 0.239           | -0.010       | -4.18%        | <a href="#">here</a>              |
| 1.A.2.b               | 0.072           | 0.078           | 0.006        | 8.53%         | <a href="#">here</a>              |
| 1.A.2.e               | 0.020           | 0.022           | 0.002        | 10.8%         | <a href="#">here</a>              |
| 1.A.2.g vii           | 3.91            | 4.16            | 0.26         | 6.61%         | <a href="#">here</a>              |
| 1.A.2.g viii          | 6.16            | 5.91            | -0.25        | -4.08%        | <a href="#">here</a>              |
| 1.A.3.a i(i)          | 0.28            | 0.29            | 0.01         | 3.42%         | <a href="#">here</a>              |

|                            | Submission 2023 | Submission 2024 | Difference   |               | Reasoning                         |
|----------------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector                 | [kt]            |                 | absolute     | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>1,044.19</b> | <b>1,042.87</b> | <b>-1.32</b> | <b>-0.13%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>196.27</b>   | <b>197.15</b>   | <b>0.88</b>  | <b>0.45%</b>  | <b>sub-category chapters</b>      |
| 1.A.3.a ii(i)              | 0.24            | 0.31            | 0.07         | 30.1%         | <a href="#">here</a>              |
| 1.A.3.b i                  | 39.63           | 38.74           | -0.90        | -2.26%        | <a href="#">here</a>              |
| 1.A.3.b ii                 | 1.46            | 1.41            | -0.05        | -3.55%        | <a href="#">here</a>              |
| 1.A.3.b iii                | 2.18            | 2.19            | 0.01         | 0.39%         | <a href="#">here</a>              |
| 1.A.3.b iv                 | 13.38           | 13.08           | -0.30        | -2.23%        | <a href="#">here</a>              |
| 1.A.3.b v                  | 23.62           | 23.09           | -0.52        | -2.21%        | <a href="#">here</a>              |
| 1.A.3.c                    | 0.440           | 0.444           | 0.004        | 0.84%         | <a href="#">here</a>              |
| 1.A.3.d ii                 | 0.98            | 1.32            | 0.34         | 34.4%         | <a href="#">here</a>              |
| 1.A.4.a i                  | 4.14            | 4.01            | -0.13        | -3.22%        | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0.782           | 0.772           | -0.010       | -1.22%        | <a href="#">here</a>              |
| 1.A.4.b i                  | 38.06           | 38.23           | 0.17         | 0.44%         | <a href="#">here</a>              |
| 1.A.4.b ii                 | 7.390           | 7.730           | 0.34         | 4.60%         | <a href="#">here</a>              |
| 1.A.4.c i                  | 0.869           | 0.880           | 0.011        | 1.26%         | <a href="#">here</a>              |
| 1.A.4.c ii                 | 12.18           | 15.79           | 3.61         | 29.6%         | <a href="#">here</a>              |
| 1.A.5.a                    | 0.0999          | 0.0997          | -0.0001      | -0.13%        | <a href="#">here</a>              |
| 1.A.5.b                    | 1.27            | 1.48            | 0.21         | 16.8%         | <a href="#">here</a>              |
| 1.B.1.b                    | 3.03            | 0.79            | -2.23        | -73.8%        | <a href="#">here</a>              |
| 1.B.2.a iv                 | 3.83            | 3.01            | -0.82        | -21.4%        |                                   |
| 1.B.2.a v                  | 15.56           | 16.37           | 0.81         | 5.20%         |                                   |
| 1.B.2.b                    | 2.27            | 2.49            | 0.22         | 9.55%         |                                   |
| <b>NFR 2 - IPPU</b>        | <b>549.66</b>   | <b>553.16</b>   | <b>3.50</b>  | <b>0.64%</b>  | <b>sub-category chapters</b>      |
| 2.A.3                      | 0.61            | 0.52            | -0.09        | -14.8%        | <a href="#">here</a>              |
| 2.D.3.a                    | 77.72           | 77.77           | 0.05         | 0.07%         | <a href="#">here</a>              |
| 2.D.3.d                    | 194.36          | 195.18          | 0.82         | 0.42%         | <a href="#">here</a>              |
| 2.D.3.e                    | 38.98           | 38.96           | -0.03        | -0.07%        | <a href="#">here</a>              |
| 2.D.3.g                    | 50.42           | 50.38           | -0.04        | -0.07%        | <a href="#">here</a>              |
| 2.D.3.h                    | 42.57           | 41.93           | -0.64        | -1.50%        | <a href="#">here</a>              |
| 2.D.3.i                    | 98.85           | 71.91           | -26.94       | -27.3%        | <a href="#">here</a>              |
| 2.G                        | 1.14            | 33.16           | 32.02        | 2,816%        | <a href="#">here</a>              |
| 2.H.1                      | 3.62            | 1.96            | -1.66        | -45.9%        | <a href="#">here</a>              |
| <b>NFR 3 - Agriculture</b> | <b>290.58</b>   | <b>291.00</b>   | <b>0.42</b>  | <b>0.14%</b>  | <b>sub-category chapters</b>      |
| 3.B.1.a                    | 155.75          | 155.86          | 0.11         | 0.07%         | <a href="#">here</a>              |
| 3.B.1.b                    | 82.03           | 82.29           | 0.26         | 0.31%         | <a href="#">here</a>              |
| 3.B.4.h                    | NE              | 0.04            | 0.04         |               | <a href="#">here</a>              |
| 3.D.e                      | 9.43            | 9.44            | 0.00         | 0.05%         | <a href="#">here</a>              |
| <b>NFR 5 - Waste</b>       | <b>7.68</b>     | <b>1.56</b>     | <b>-6.11</b> | <b>-79.7%</b> | <b>sub-category chapters</b>      |
| 5.A                        | 1.211           | 1.211           | 0.000        | 0.04%         | <a href="#">here</a>              |
| 5.C.2                      | 6.31            | 0.20            | -6.11        | -96.9%        | <a href="#">here</a>              |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |              |               |                                   |