

# Recalculations - Total Suspended Particles (TSP)

The small changes within the **National Total** reported for **1990 (-28.3 kt or -1.38 %)** are dominated by newly revised emission estimates for NFRs **2.A.5.a (-18.9 kt or -22.9 %)** and **5.C.2 (-5.5 kt or -74.7 %)** together with less significant revisions and re-allocations in NFRs 1, 2 and 3.

The strongest percental change occurs for NFR **2.C.7.c with** reallocation-related **+13,543 %**.

Table 1: Changes in emission estimates for 1990

|                            | Submission 2023 | Submission 2024 | Difference    | Reasoning               |                                   |
|----------------------------|-----------------|-----------------|---------------|-------------------------|-----------------------------------|
| NFR Sector                 | [kt]            |                 |               | relative                | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>2,047.88</b> | <b>2,019.60</b> | <b>-28.28</b> | <b>-1.38%</b>           | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>1,401.35</b> | <b>1,397.65</b> | <b>-3.71</b>  | <b>-0.26%</b>           | <b>sub-category chapters</b>      |
| 1.A.2.g vii                | 7.19            | 5.05            | -2.14         | -29.8%                  | <a href="#">here</a>              |
| 1.A.3.a i(i)               | 0.047           | 0.045           | -0.002        | -3.78%                  | <a href="#">here</a>              |
| 1.A.3.a ii(i)              | 0.040           | 0.037           | -0.003        | -6.79%                  | <a href="#">here</a>              |
| 1.A.3.c                    | 13.07           | 13.08           | 0.01          | 0.05%                   | <a href="#">here</a>              |
| 1.A.3.d ii                 | 7.17            | 7.17            | 0.00          | 0.03%                   | <a href="#">here</a>              |
| 1.A.4.a ii                 | 1.53            | 1.33            | -0.19         | -12.7%                  | <a href="#">here</a>              |
| 1.A.4.b ii                 | 0.2929          | 0.2930          | 0.0001        | 0.05%                   | <a href="#">here</a>              |
| 1.A.4.c ii                 | 12.93           | 15.65           | 2.71          | 21.0%                   | <a href="#">here</a>              |
| 1.B.1.b                    | 150.22          | 146.13          | -4.10         | -2.73%                  | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>562.34</b>   | <b>543.41</b>   | <b>-18.93</b> | <b>-3.37%</b>           | <b>sub-category chapters</b>      |
| 2.A.5.a                    | 82.51           | 63.58           | -18.93        | -22.9%                  | <a href="#">here</a>              |
| 2.C.1                      | 150.89          | 44.38           | -106.51       | -70.6%                  | <a href="#">here</a>              |
| 2.C.7.c                    | 0.79            | 107.29          | 106.51        | 13.543%                 | <a href="#">here</a>              |
| 2.D.3.b                    | 0.30            | 0.30            | 0.00          | -1.04%                  | <a href="#">here</a>              |
| 2.H.1                      | 15.53           | 0.11            | -15.42        | -99.3%                  | <a href="#">here</a>              |
| 2.H.3                      | NA              | 15.42           | 15.42         | re-allocated from 2.H.1 | <a href="#">here</a>              |
| <b>NFR 3 - Agriculture</b> | <b>73.48</b>    | <b>73.51</b>    | <b>0.02</b>   | <b>0.03%</b>            | <b>sub-category chapters</b>      |
| 3.B.4.h                    | NE              | 0.02            | 0.02          |                         | <a href="#">here</a>              |
| <b>NFR 5 - Waste</b>       | <b>10.70</b>    | <b>5.04</b>     | <b>-5.67</b>  | <b>-52.9%</b>           | <b>sub-category chapters</b>      |
| 5.C.2                      | 7.33            | 1.86            | -5.47         | -74.7%                  | <a href="#">here</a>              |
| 5.E                        | 3.26            | 3.07            | -0.19         | -5.84%                  | <a href="#">here</a>              |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |               |                         |                                   |

The changes within the **National Total** reported for **2021 (-9.42 kt or -2.80 %)** are dominated by revised emission estimates for NFRs **1.B.1.b (-4.33 kt)**, **2.A.5.a (-4.25 kt)** and **5.C.2 (-1.70 kt)** together with several less significant revisions in NFRs **1, 2, 3 and 5**.

The most significant percental change occurs for NFR **1.B.1.b with minus 87 %**.

Table 2: Changes in emission estimates for 2021

|                       | Submission 2023 | Submission 2024 | Difference   | Reasoning     |                                   |
|-----------------------|-----------------|-----------------|--------------|---------------|-----------------------------------|
| NFR Sector            | [kt]            |                 |              | relative      | see description and reasoning in: |
| <b>NATIONAL TOTAL</b> | <b>336.87</b>   | <b>327.45</b>   | <b>-9.42</b> | <b>-2.80%</b> | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b> | <b>88.79</b>    | <b>85.55</b>    | <b>-3.22</b> | <b>-3.63%</b> | <b>sub-category chapters</b>      |
| 1.A.1.a               | 4.53            | 4.50            | -0.03        | -0.65%        | <a href="#">here</a>              |
| 1.A.1.b               | 0.55            | 0.58            | 0.04         | 6.86%         | <a href="#">here</a>              |
| 1.A.1.c               | 0.41            | 0.43            | 0.01         | 2.84%         | <a href="#">here</a>              |
| 1.A.2.a               | 0.071           | 0.070           | -0.001       | -1.46%        | <a href="#">here</a>              |
| 1.A.2.g vii           | 0.73            | 0.48            | -0.25        | -34.4%        | <a href="#">here</a>              |

|                            | Submission 2023 | Submission 2024 | Difference   |                                   | Reasoning                    |
|----------------------------|-----------------|-----------------|--------------|-----------------------------------|------------------------------|
| NFR Sector                 | [kt]            |                 | relative     | see description and reasoning in: |                              |
| <b>NATIONAL TOTAL</b>      | <b>336.87</b>   | <b>327.45</b>   | <b>-9.42</b> | <b>-2.80%</b>                     | <b>sub-category chapters</b> |
| <b>NFR 1 - Energy</b>      | <b>88.79</b>    | <b>85.55</b>    | <b>-3.22</b> | <b>-3.63%</b>                     | <b>sub-category chapters</b> |
| 1.A.2.g viii               | 2.79            | 2.59            | -0.20        | -7.26%                            | <a href="#">here</a>         |
| 1.A.3.a i(i)               | 0.0339          | 0.0334          | -0.0005      | -1.58%                            | <a href="#">here</a>         |
| 1.A.3.a ii(i)              | 0.014           | 0.011           | -0.003       | -20.0%                            | <a href="#">here</a>         |
| 1.A.3.b i                  | 1.97            | 1.85            | -0.12        | -6.23%                            | <a href="#">here</a>         |
| 1.A.3.b ii                 | 1.168           | 1.147           | -0.021       | -1.80%                            | <a href="#">here</a>         |
| 1.A.3.b iii                | 1.12            | 1.13            | 0.01         | 0.95%                             | <a href="#">here</a>         |
| 1.A.3.b iv                 | 0.94            | 0.92            | -0.02        | -2.15%                            | <a href="#">here</a>         |
| 1.A.3.b vi                 | 16.95           | 16.97           | 0.02         | 0.15%                             | <a href="#">here</a>         |
| 1.A.3.b vii                | 14.31           | 14.34           | 0.02         | 0.17%                             | <a href="#">here</a>         |
| 1.A.3.c                    | 8.11            | 8.71            | 0.60         | 7.38%                             | <a href="#">here</a>         |
| 1.A.3.d ii                 | 0.8211          | 0.8579          | 0.0368       | 4.48%                             | <a href="#">here</a>         |
| 1.A.4.a i                  | 2.51            | 2.46            | -0.05        | -1.83%                            | <a href="#">here</a>         |
| 1.A.4.a ii                 | 0.174           | 0.185           | 0.011        | 6.57%                             | <a href="#">here</a>         |
| 1.A.4.b i                  | 19.08           | 19.17           | 0.08         | 0.44%                             | <a href="#">here</a>         |
| 1.A.4.b ii                 | 0.13            | 0.13            | 0.01         | 5.18%                             | <a href="#">here</a>         |
| 1.A.4.c i                  | 0.525           | 0.529           | 0.004        | 0.77%                             | <a href="#">here</a>         |
| 1.A.4.c ii                 | 2.92            | 3.87            | 0.95         | 32.7%                             | <a href="#">here</a>         |
| 1.A.5.a                    | 0.054           | 0.054           | 0.000        | 0.06%                             | <a href="#">here</a>         |
| 1.B.1.b                    | 4.97            | 0.64            | <u>-4.33</u> | <u>-87.2%</u>                     | <a href="#">here</a>         |
| <b>NFR 2 - IPPU</b>        | <b>181.86</b>   | <b>177.52</b>   | <b>-4.34</b> | <b>-2.38%</b>                     | <b>sub-category chapters</b> |
| 2.A.3                      | 0.46            | 0.37            | -0.09        | -19.3%                            | <a href="#">here</a>         |
| 2.A.5.a                    | 40.09           | 35.84           | <u>-4.25</u> | <u>-10.6%</u>                     | <a href="#">here</a>         |
| 2.C.2                      | 0.00542         | 0.00513         | -0.00029     | -5.38%                            | <a href="#">here</a>         |
| 2.D.3.b                    | 0.232           | 0.228           | -0.004       | -1.71%                            | <a href="#">here</a>         |
| 2.G                        | 2.74            | 2.75            | 0.01         | 0.20%                             | <a href="#">here</a>         |
| <b>NFR 3 - Agriculture</b> | <b>60.56</b>    | <b>60.59</b>    | <b>0.03</b>  | <b>0.05%</b>                      | <b>sub-category chapters</b> |
| 3.D.c                      | 20.97           | 21.00           | 0.03         | 0.13%                             | <a href="#">here</a>         |
| <b>NFR 5 - Waste</b>       | <b>5.67</b>     | <b>3.77</b>     | <b>-1.90</b> | <b>-33.4%</b>                     | <b>sub-category chapters</b> |
| 5.A                        | 0.019           | 0.018           | -0.001       | -4.04%                            | <a href="#">here</a>         |
| 5.C.2                      | 2.28            | 0.58            | <u>-1.70</u> | <u>-74.6%</u>                     | <a href="#">here</a>         |
| 5.E                        | 3.35            | 3.16            | -0.19        | -5.69%                            | <a href="#">here</a>         |
| <b>NFR 6 - Other</b>       | <b>NA</b>       |                 |              |                                   |                              |