

# Recalculations - Particulate Matter <2.5µm

Changes within the **National Total reported for 1990 (-34 kt | -1.19 %)** are dominated by changes in **NFRs 1.A.3.b i, 1.A.3.b ii and 1.A.3.b iii** together with less significant revisions throughout NFRs 1, 2 and 3.

The most significant relative change occurs for **NFR 2.G with minus 58 %**.

Table 1: Changes of emission estimates 1990

|                            | Submission<br>2020 | Submission<br>2021 | Difference   |                | Reasoning                         |
|----------------------------|--------------------|--------------------|--------------|----------------|-----------------------------------|
| NFR Sector                 | [kt]               |                    |              | relative       | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>212,77</b>      | <b>205,65</b>      | <b>-7,13</b> | <b>-3,35%</b>  | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>151,40</b>      | <b>150,58</b>      | <b>-0,82</b> | <b>-0,54%</b>  | <b>sub-category chapters</b>      |
| 1.A.2.a                    | 0,0777             | 0,0777             | -0,0001      | -0,10%         | <a href="#">here</a>              |
| 1.A.2.g vii                | 5,41               | 5,51               | 0,11         | 1,97%          | <a href="#">here</a>              |
| 1.A.2.g viii               | 3,74               | 3,74               | 0,00         | 0,00%          | <a href="#">here</a>              |
| 1.A.3.a i(i)               | 0,040              | 0,056              | 0,02         | 40,61%         | <a href="#">here</a>              |
| 1.A.3.a ii(i)              | 0,030              | 0,041              | 0,01         | 33,95%         | <a href="#">here</a>              |
| 1.A.3.b i                  | 18,36              | 18,68              | 0,33         | 1,77%          | <a href="#">here</a>              |
| 1.A.3.b ii                 | 7,82               | 6,15               | -1,68        | -21,42%        | <a href="#">here</a>              |
| 1.A.3.b iii                | 27,34              | 28,33              | 1,00         | 3,65%          | <a href="#">here</a>              |
| 1.A.3.b iv                 | 1,01               | 1,05               | 0,04         | 3,88%          | <a href="#">here</a>              |
| 1.A.3.b vi                 | 6,02               | 6,00               | -0,02        | -0,32%         | <a href="#">here</a>              |
| 1.A.4.a ii                 | 1,04               | 1,05               | 0,02         | 1,46%          | <a href="#">here</a>              |
| 1.A.4.b ii                 | 0,12               | 0,15               | 0,03         | 26,60%         | <a href="#">here</a>              |
| 1.A.4.c ii                 | 10,00              | 9,34               | -0,67        | -6,65%         | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>49,17</b>       | <b>42,91</b>       | <b>-6,26</b> | <b>-12,73%</b> | <b>sub-category chapters</b>      |
| 2.C.7.a                    | 0,06               | 0,07               | 0,01         | 17,58%         | <a href="#">here</a>              |
| 2.G                        | 11,83              | 5,56               | -6,27        | -52,98%        | <a href="#">here</a>              |
| <b>NFR 3 - Agriculture</b> | <b>5,14</b>        | <b>5,09</b>        | <b>-0,05</b> | <b>-0,97%</b>  | <b>sub-category chapters</b>      |
| 3.B.1.a                    | 2,24               | 2,19               | -0,05        | -2,24%         | <a href="#">here</a>              |
| <b>NFR 5 - Waste</b>       | <b>7,07</b>        | <b>7,07</b>        | <b>0,00</b>  | <b>0,00%</b>   |                                   |
| <b>NFR 6 - Other</b>       | <b>NA</b>          |                    |              |                |                                   |

The changes within the **National Total reported for 2018 (-2 kt | -2.11 %)** are dominated by changes in **NFR 2.G with minus 2.87 kt (-39 %)** together with a variety of more or less significant revisions throughout NFR 1.

The most significant relative change occurs for **NFR 2.C.7.c with minus 73.4 %**.

Table 2: Changes of emission estimates 2018

|                            | Submission<br>2020 | Submission<br>2021 | Difference   |                | Reasoning                         |
|----------------------------|--------------------|--------------------|--------------|----------------|-----------------------------------|
| NFR Sector                 | [kt]               |                    |              | relative       | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>96,71</b>       | <b>94,66</b>       | <b>-2,05</b> | <b>-2,11%</b>  | <b>sub-category chapters</b>      |
| <b>NFR 1 - Energy</b>      | <b>57,55</b>       | <b>58,37</b>       | <b>0,83</b>  | <b>1,44%</b>   | <b>sub-category chapters</b>      |
| 1.A.1.a                    | 4,69               | 4,75               | 0,05         | 1,17%          | <a href="#">here</a>              |
| 1.A.1.b                    | 0,35               | 0,46               | 0,11         | 32,53%         | <a href="#">here</a>              |
| 1.A.1.c                    | 0,32               | 0,35               | 0,03         | 9,22%          | <a href="#">here</a>              |
| 1.A.2.a                    | 0,082              | 0,081              | -0,002       | -2,29%         | <a href="#">here</a>              |
| 1.A.2.g vii                | 0,875              | 0,970              | 0,10         | 10,86%         | <a href="#">here</a>              |
| 1.A.2.g viii               | 2,21               | 2,08               | -0,13        | -5,88%         | <a href="#">here</a>              |
| 1.A.3.a i(i)               | 0,09               | 0,08               | -0,01        | -7,80%         | <a href="#">here</a>              |
| 1.A.3.a ii(i)              | 0,02               | 0,04               | 0,01         | 64,21%         | <a href="#">here</a>              |
| 1.A.3.b i                  | 3,01               | 3,14               | 0,13         | 4,37%          | <a href="#">here</a>              |
| 1.A.3.b ii                 | 1,345              | 1,348              | 0,003        | 0,25%          | <a href="#">here</a>              |
| 1.A.3.b iii                | 1,99               | 1,94               | -0,05        | -2,69%         | <a href="#">here</a>              |
| 1.A.3.b iv                 | 0,94               | 0,98               | 0,04         | 3,86%          | <a href="#">here</a>              |
| 1.A.3.b vi                 | 7,59               | 7,58               | -0,01        | -0,15%         | <a href="#">here</a>              |
| 1.A.3.b vii                | 4,242              | 4,235              | -0,01        | -0,16%         | <a href="#">here</a>              |
| 1.A.3.c                    | 4,39               | 4,37               | -0,02        | -0,45%         | <a href="#">here</a>              |
| 1.A.3.d ii                 | 1,07               | 1,10               | 0,03         | 2,87%          | <a href="#">here</a>              |
| 1.A.3.e i                  | 0,00760            | 0,00763            | 0,00003      | 0,45%          | <a href="#">here</a>              |
| 1.A.4.a i                  | 2,05               | 1,81               | -0,24        | -11,55%        | <a href="#">here</a>              |
| 1.A.4.a ii                 | 0,250              | 0,213              | -0,04        | -14,65%        | <a href="#">here</a>              |
| 1.A.4.b i                  | 16,44              | 17,89              | 1,45         | 8,82%          | <a href="#">here</a>              |
| 1.A.4.b ii                 | 0,1336             | 0,1270             | -0,01        | -4,97%         | <a href="#">here</a>              |
| 1.A.4.c i                  | 0,48               | 0,48               | -0,01        | -1,35%         | <a href="#">here</a>              |
| 1.A.4.c ii                 | 3,860              | 3,243              | -0,62        | -15,99%        | <a href="#">here</a>              |
| 1.A.4.c iii                | 0,083              | 0,085              | 0,002        | 2,70%          | <a href="#">here</a>              |
| 1.A.5.a                    | 0,026              | 0,026              | 0,001        | 2,07%          | <a href="#">here</a>              |
| 1.A.5.b                    | 0,0686             | 0,0687             | 0,0001       | 0,14%          | <a href="#">here</a>              |
| <b>NFR 2 - IPPU</b>        | <b>28,31</b>       | <b>25,44</b>       | <b>-2,87</b> | <b>-10,14%</b> | <b>sub-category chapters</b>      |
| 2.A.3                      | 0,10               | 0,09               | 0,00         | -0,77%         | <a href="#">here</a>              |
| 2.A.5.a                    | 2,13               | 2,15               | 0,02         | 0,72%          | <a href="#">here</a>              |
| 2.C.2                      | 0,00094            | 0,00086            | -0,00008     | -8,04%         | <a href="#">here</a>              |
| 2.C.7.a                    | 0,05               | 0,04               | 0,00         | -6,50%         | <a href="#">here</a>              |
| 2.C.7.c                    | 0,01               | 0,00               | -0,01        | -73,35%        | <a href="#">here</a>              |
| 2.G                        | 7,42               | 4,54               | -2,87        | -38,75%        | <a href="#">here</a>              |
| <b>NFR 3 - Agriculture</b> | <b>4,47</b>        | <b>4,47</b>        | <b>0,00</b>  | <b>-0,02%</b>  | <b>sub-category chapters</b>      |
| 3.B.3                      | 0,1143             | 0,1141             | -0,0002      | -0,21%         | <a href="#">here</a>              |
| 3.B.4.g i                  | 0,1605             | 0,1603             | -0,0002      | -0,10%         | <a href="#">here</a>              |
| 3.B.4.g ii                 | 0,1864             | 0,1859             | -0,0006      | -0,30%         | <a href="#">here</a>              |

|                | Submission<br>2020 | Submission<br>2021 | Difference |          | Reasoning                         |
|----------------|--------------------|--------------------|------------|----------|-----------------------------------|
| NFR Sector     | [kt]               |                    |            | relative | see description and reasoning in: |
| NATIONAL TOTAL | 96,71              | 94,66              | -2,05      | -2,11%   | sub-category chapters             |
| NFR 1 - Energy | 57,55              | 58,37              | 0,83       | 1,44%    | sub-category chapters             |
| NFR 5 - Waste  | 6,37495            | 6,37494            | -0,00001   | 0,00%    | sub-category chapters             |
| 5.A            | 0,00152            | 0,00150            | -0,00001   | -0,87%   | <a href="#">here</a>              |
| NFR 6 - Other  | NA                 |                    |            |          |                                   |