

Recalculations - Particulate Matter <2.5µm

Revision of PM_{2.5} emissions over time:



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

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 1: Changes of emission estimates 2018

| | Submission 2020 | Submission 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 |
| 1.A.1.a | 4,69 | 4,75 | 0,05 | 1,17% | here |
| 1.A.1.b | 0,35 | 0,46 | 0,11 | 32,53% | here |
| 1.A.1.c | 0,32 | 0,35 | 0,03 | 9,22% | here |
| 1.A.2.a | 0,082 | 0,081 | -0,002 | -2,29% | here |
| 1.A.2.g vii | 0,875 | 0,970 | 0,10 | 10,86% | here |
| 1.A.2.g viii | 2,21 | 2,08 | -0,13 | -5,88% | here |
| 1.A.3.a i(i) | 0,09 | 0,08 | -0,01 | -7,80% | here |
| 1.A.3.a ii(i) | 0,02 | 0,04 | 0,01 | 64,21% | here |
| 1.A.3.b i | 3,01 | 3,14 | 0,13 | 4,37% | here |
| 1.A.3.b ii | 1,345 | 1,348 | 0,003 | 0,25% | here |
| 1.A.3.b iii | 1,99 | 1,94 | -0,05 | -2,69% | here |
| 1.A.3.b iv | 0,94 | 0,98 | 0,04 | 3,86% | here |
| 1.A.3.b vi | 7,59 | 7,58 | -0,01 | -0,15% | here |
| 1.A.3.b vii | 4,242 | 4,235 | -0,01 | -0,16% | here |
| 1.A.3.c | 4,39 | 4,37 | -0,02 | -0,45% | here |
| 1.A.3.d ii | 1,07 | 1,10 | 0,03 | 2,87% | here |
| 1.A.3.e i | 0,00760 | 0,00763 | 0,00003 | 0,45% | 1.A.3.e i - Pipeline Transport] |
| 1.A.4.a i | 2,05 | 1,81 | -0,24 | -11,55% | here |
| 1.A.4.a ii | 0,250 | 0,213 | -0,04 | -14,65% | here |
| 1.A.4.b i | 16,44 | 17,89 | 1,45 | 8,82% | here |
| 1.A.4.b ii | 0,1336 | 0,1270 | -0,01 | -4,97% | here |
| 1.A.4.c i | 0,48 | 0,48 | -0,01 | -1,35% | here |
| 1.A.4.c ii | 3,860 | 3,243 | -0,62 | -15,99% | here |
| 1.A.4.c iii | 0,083 | 0,085 | 0,002 | 2,70% | here |
| 1.A.5.a | 0,026 | 0,026 | 0,001 | 2,07% | here |
| 1.A.5.b | 0,0686 | 0,0687 | 0,0001 | 0,14% | here |
| NFR 2 - IPPU | 28,31 | 25,44 | -2,87 | -10,14% | sub-category chapters |
| 2.A.3 | 0,10 | 0,09 | 0,00 | -0,77% | here |
| 2.A.5.a | 2,13 | 2,15 | 0,02 | 0,72% | here |
| 2.C.2 | 0,00094 | 0,00086 | -0,00008 | -8,04% | here |
| 2.C.7.a | 0,05 | 0,04 | 0,00 | -6,50% | here |
| 2.C.7.c | 0,01 | 0,00 | -0,01 | -73,35% | here |

| | Submission 2020 | Submission 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 |
| 2.G | 7,42 | 4,54 | -2,87 | -38,75% | here |
| NFR 3 - Agriculture | 4,47 | 4,47 | 0,00 | -0,02% | sub-category chapters |
| 3.B.3 | 0,1143 | 0,1141 | -0,0002 | -0,21% | here |
| 3.B.4.g i | 0,1605 | 0,1603 | -0,0002 | -0,10% | here |
| 3.B.4.g ii | 0,1864 | 0,1859 | -0,0006 | -0,30% | here |
| NFR 5 - Waste | 6,37495 | 6,37494 | -0,00001 | 0,00% | sub-category chapters |
| 5.A | 0,00152 | 0,00150 | -0,00001 | -0,87% | here |
| NFR 6 - Other | NA | | | | |