

# Recalculations - Particulate Matter <2.5µm

## Revision of PM<sub>2.5</sub> 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

NFR Sector	Submission 2020	Submission 2021	Difference		Reasoning
	[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

NFR Sector	Submission 2020	Submission 2021	Difference		Reasoning
	[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>

NFR Sector	Submission 2020	Submission 2021	Difference		Reasoning
	[kt]		absolute	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.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="#">1.A.3.e i - Pipeline Transport ]</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>
<b>NFR 5 - Waste</b>	<b>6,37495</b>	<b>6,37494</b>	<b>-0,00001</b>	<b>0,00%</b>	<b>sub-category chapters</b>
5.A	0,00152	0,00150	-0,00001	-0,87%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				