

## Recalculations - Sulphur Oxides

The negligibly small changes in the **National Total** reported for **1990 (-4.15 kt or -0.08 %)** result almost entirely from revised emission estimates in the sub-categories of NFR **1.A.3.b** together with less significant changes throughout NFR 1 with the strongest change occurring for **2.C.1 with minus 25 kt** but resulting from a re-allocation of emissions to NFR 2.C.7.c.

The strongest percental change, however, occurs for **2.C.1 with minus 85 %**.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning see description and reasoning in:
	[kt]		relative		
<b>NATIONAL TOTAL</b>	<b>5,464.11</b>	<b>5,459.96</b>	<b>-4.15</b>	<b>-0.08%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>5,288.46</b>	<b>5,284.38</b>	<b>-4.08</b>	<b>-0.08%</b>	<b>sub-category chapters</b>
1.A.2.g vii	3.85	2.72	-1.13	-29.3%	<a href="#">here</a>
1.A.3.a i(i)	0.2435	0.2432	-0.0003	-0.13%	<a href="#">here</a>
1.A.3.a ii(i)	0.173	0.175	0.002	1.16%	<a href="#">here</a>
1.A.3.b i	35.68	34.20	-1.49	-4.17%	<a href="#">here</a>
1.A.3.b ii	3.16	2.98	-0.18	-5.82%	<a href="#">here</a>
1.A.3.b iii	37.21	34.77	-2.44	-6.56%	<a href="#">here</a>
1.A.3.c	8.24	8.27	0.03	0.35%	<a href="#">here</a>
1.A.3.d ii	10.870	10.873	0.003	0.03%	<a href="#">here</a>
1.A.4.a ii	0.63	0.55	-0.08	-12.7%	<a href="#">here</a>
1.A.4.c ii	4.48	5.69	1.21	26.9%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>175.54</b>	<b>175.54</b>	<b>0.00</b>	<b>0.00%</b>	
2.C.1	34.50	9.48	<u>-25.02</u>	-72.5%	<a href="#">here</a>
2.C.7.c	NE	25.02	<u>25.02</u>	re-allocated from 2.C.1	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0.11</b>	<b>0.03</b>	<b>-0.07</b>	<b>-69.6%</b>	<b>sub-category chapters</b>
5.C.2	0.09	0.01	-0.07	-85.0%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				

Changes in the **National Total** reported for **2021 (-4.11 kt or -1.62 %)** result mainly from a revision in **NFR sub-category 1.A.2.g viii (-4.45 kt)** together with less relevant changes throughout NFRs 1, 2 and 5.

The most significant percental change occurs for **NFR 5.C.2 with minus 85 %**.

Table 2: Changes in emission estimates for 2021

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning see description and reasoning in:
	[kt]		relative		
<b>NATIONAL TOTAL</b>	<b>254.47</b>	<b>250.36</b>	<b>-4.11</b>	<b>-1.62%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>188.07</b>	<b>183.19</b>	<b>-4.88</b>	<b>-2.59%</b>	<b>sub-category chapters</b>
1.A.1.a	96.19	95.21	-0.98	-1.02%	<a href="#">here</a>
1.A.1.b	31.20	31.19	-0.01	-0.04%	<a href="#">here</a>
1.A.1.c	6.09	6.43	0.35	5.68%	<a href="#">here</a>
1.A.2.a	4.54	4.43	-0.10	-2.28%	<a href="#">here</a>
1.A.2.b	0.288	0.333	0.045	15.5%	<a href="#">here</a>
1.A.2.e	0.61	0.68	0.07	11.3%	<a href="#">here</a>
1.A.2.g vii	0.019	0.013	-0.006	-31.6%	<a href="#">here</a>
1.A.2.g viii	28.02	23.57	<u>-4.45</u>	-15.9%	<a href="#">here</a>
1.A.3.a i(i)	0.297	0.296	-0.001	-0.22%	<a href="#">here</a>
1.A.3.a ii(i)	0.065	0.062	-0.004	-5.40%	<a href="#">here</a>
1.A.3.b i	0.4575	0.4533	-0.0042	-0.93%	<a href="#">here</a>

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]		relative		see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>254.47</b>	<b>250.36</b>	<b>-4.11</b>	<b>-1.62%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>188.07</b>	<b>183.19</b>	<b>-4.88</b>	<b>-2.59%</b>	<b>sub-category chapters</b>
1.A.3.b ii	0.067	0.066	-0.001	-2.08%	<a href="#">here</a>
1.A.3.b iii	0.221	0.223	0.001	0.54%	<a href="#">here</a>
1.A.3.b iv	0.0065	0.0065	0.0001	1.02%	<a href="#">here</a>
1.A.3.c	0.215413	0.215415	0.000002	0.001%	<a href="#">here</a>
1.A.3.d ii	0.338	0.338	0.001	0.20%	<a href="#">here</a>
1.A.4.a i	1.34	1.18	-0.16	-12.2%	<a href="#">here</a>
1.A.4.a ii	0.003922	0.004057	0.000135	3.45%	<a href="#">here</a>
1.A.4.b i	10.61	10.91	0.30	2.84%	<a href="#">here</a>
1.A.4.b ii	0.00119	0.00125	0.00005	4.60%	<a href="#">here</a>
1.A.4.c i	1.756	1.760	0.005	0.27%	<a href="#">here</a>
1.A.4.c ii	0.023	0.030	0.007	29.1%	<a href="#">here</a>
1.A.5.a	0.0152	0.0154	0.0002	1.17%	<a href="#">here</a>
1.B.1.b	0.743	0.817	0.074	9.97%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>66.29</b>	<b>67.08</b>	<b>0.79</b>	<b>1.19%</b>	<b>sub-category chapters</b>
2.A.3	8.15	7.85	-0.31	-3.76%	<a href="#">here</a>
2.B.6	0.83	0.78	-0.06	-6.66%	<a href="#">here</a>
2.B.10.a	10.04	11.19	1.15	11.5%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0.112</b>	<b>0.089</b>	<b>-0.023</b>	<b>-20.4%</b>	<b>sub-category chapters</b>
5.C.2	0.027	0.004	-0.023	-85.0%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				