

# 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>				