

# Recalculations - Carbon monoxide (CO)

The small changes in the **National Total** reported for **1990 (+1.11 kt or +0.01 %)** are dominated by revisions in NFRs **1.A.2.g vii, 1.A.3.d ii, 1.A.4.c ii and 1.B.1.b**.

Here, the strongest percental change occurs for **NFR 1.B.1.b with minus -93.1 %**

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2024	Submission 2025	Difference		Reasoning
	[kt]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>13.320,20</b>	<b>13.320,53</b>	<b>0,33</b>	<b>0,002%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>12.050,36</b>	<b>12.050,69</b>	<b>0,33</b>	<b>0,003%</b>	<b>sub-category chapters</b>
1.A.2.g vii	74,39	73,97	-0,43	-0,57%	<a href="#">here</a>
1.A.3.d ii	21,53	21,53	0,00	0,00%	<a href="#">here</a>
1.A.3.e i	2,04	2,04	0,00	0,00%	<a href="#">1.A.3.e i - Pipeline Transport ]</a>
1.A.3.e ii	NA	NA	#WERT!	#WERT!	<a href="#">1.A.3.e ii - Other Transport: Other ]</a>
1.A.4.a ii	6,17	6,05	-0,13	-2,05%	<a href="#">here</a>
1.A.4.c ii	110,83	111,72	0,88	0,80%	<a href="#">here</a>
NFR 2 - IPPU	1.248,77	1.248,77	0,00	0,00%	sub-category chapters
NFR 3 - Agriculture	0,00	0,00	0,00	#DIV/0!	sub-category chapters
3.B.1.a	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.1.b	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.2	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.3	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.4.a	NO	NO	#WERT!	#WERT!	<a href="#">here</a>
3.B.4.d	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.4.e	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.4.f	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.4.g i	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.4.g ii	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.4.g iii	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.4.g iv	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.B.4.h	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.a.1	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.a.2.a	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.a.2.b	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.a.2.c	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.a.3	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.a.4	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.b	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.c	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.d	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.e	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.D.f	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
3.F	NO	NO	#WERT!	#WERT!	
3.I	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
NFR 5 - Waste	21,08	21,08	0,00	0,00%	sub-category chapters
5.A	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
5.B.1	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
5.B.2	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
5.C.1.a	NO	NO	#WERT!	#WERT!	
5.C.1.b i	NO	NO	#WERT!	#WERT!	
5.C.1.b ii	NO	NO	#WERT!	#WERT!	
5.C.1.b iii	NO	NO	#WERT!	#WERT!	

	Submission 2024	Submission 2025	Difference		Reasoning
NFR Sector	[kt]		relative	see description and reasoning in:	
<b>NATIONAL TOTAL</b>	<b>13.320,20</b>	<b>13.320,53</b>	<b>0,33</b>	<b>0,002%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>12.050,36</b>	<b>12.050,69</b>	<b>0,33</b>	<b>0,003%</b>	<b>sub-category chapters</b>
5.C.1.b iv	NO	NO	#WERT!	#WERT!	
5.C.1.b v	0,02	0,02	0,00	0,00%	<a href="#">here</a>
5.C.1.b vi	NA	NA	#WERT!	#WERT!	
5.C.2	21,05	21,05	0,00	0,00%	<a href="#">here</a>
5.D.1	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
5.D.2	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
5.D.3	NO	NO	#WERT!	#WERT!	
5.E	NE	NE	#WERT!	#WERT!	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				

The small changes in the **National Total** reported for **2021 (+9.9 kt or +0.38 %)** are dominated by partly opposing **revisions within NFRs 1.A.2.g vii (+39.42 kt), 1.A.3.b i (-18.7 kt), 1.A.4.c ii (+18.8 kt) and 2.C.3 (-30.5 kt).**

Here, the most significant percental changes occur for **NFRs 1.A.3.d ii with plus 120 % and 1.B.1.b with minus 96 %.**

Table 2: Changes in emission estimates for 2021

	Submission 2024	Submission 2025	Difference		Reasoning
NFR Sector	[kt]		relative	see description and reasoning in:	
<b>NATIONAL TOTAL</b>	<b>2,585.58</b>	<b>2,595.51</b>	<b>9.94</b>	<b>0.38%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>1,749.53</b>	<b>1,791.27</b>	<b>41.75</b>	<b>2.39%</b>	<b>sub-category chapters</b>
1.A.1.a	90.09	89.42	-0.67	-0.74%	<a href="#">here</a>
1.A.1.b	1.68	1.84	0.16	9.45%	<a href="#">here</a>
1.A.1.c	11.99	12.09	0.10	0.87%	<a href="#">here</a>
1.A.2.a	27.70	30.54	2.84	10.3%	<a href="#">here</a>
1.A.2.b	0.134	0.138	0.004	2.74%	<a href="#">here</a>
1.A.2.e	0.067	0.075	0.008	12.3%	<a href="#">here</a>
1.A.2.f	1.23	1.44	0.21	17.1%	<a href="#">here</a>
1.A.2.g vii	150.21	189.62	39.42	26.2%	<a href="#">here</a>
1.A.2.g viii	19.03	18.17	-0.87	-4.55%	<a href="#">here</a>
1.A.3.a i(i)	2.87	2.89	0.01	0.51%	<a href="#">here</a>
1.A.3.a ii(i)	1.83	1.93	0.10	5.64%	<a href="#">here</a>
1.A.3.b i	624.41	605.68	-18.73	-3.00%	<a href="#">here</a>
1.A.3.b ii	39.92	37.45	-2.47	-6.20%	<a href="#">here</a>
1.A.3.b iii	33.67	33.76	0.09	0.27%	<a href="#">here</a>
1.A.3.b iv	61.38	59.10	-2.29	-3.72%	<a href="#">here</a>
1.A.3.c	1.22	1.23	0.01	0.52%	<a href="#">here</a>
1.A.3.d ii	3.45	7.59	4.13	120%	<a href="#">here</a>
1.A.4.a i	51.38	51.08	-0.30	-0.57%	<a href="#">here</a>
1.A.4.a ii	1.97	1.83	-0.14	-7.28%	<a href="#">here</a>
1.A.4.b i	444.88	446.48	1.60	0.36%	<a href="#">here</a>
1.A.4.b ii	78.85	82.48	3.63	4.60%	<a href="#">here</a>
1.A.4.c i	16.04	16.14	0.10	0.64%	<a href="#">here</a>
1.A.4.c ii	68.37	87.21	18.84	27.6%	<a href="#">here</a>
1.A.5.a	1.707	1.706	-0.001	-0.07%	<a href="#">here</a>
1.A.5.b	10.472	10.473	0.001	0.01%	<a href="#">here</a>
1.B.1.b	4.216	0.166	-4.050	-96.1%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>828.16</b>	<b>797.58</b>	<b>-30.58</b>	<b>-3.69%</b>	<b>sub-category chapters</b>
2.A.3	0.54	0.51	-0.03	-4.72%	<a href="#">here</a>
2.C.3	91.65	61.10	-30.55	-33.3%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>7.89</b>	<b>6.66</b>	<b>-1.24</b>	<b>-15.7%</b>	<b>sub-category chapters</b>

	Submission 2024	Submission 2025	Difference		Reasoning
<b>NFR Sector</b>	<b>[kt]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>2,585.58</b>	<b>2,595.51</b>	<b>9.94</b>	<b>0.38%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>1,749.53</b>	<b>1,791.27</b>	<b>41.75</b>	<b>2.39%</b>	<b>sub-category chapters</b>
5.C.2	7.79	6.55	-1.24	-15.9%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				