

# Recalculations - Non-Methane Volatile Organic Compounds

The changes within the **National Total reported for 1990 (-19.5 kt or -0.49 %)** are dominated by NFR sub-categorie **5.C.2 (-19,6 kt or -96,9 %)** with the strongest percental change occurring for **2.G with plus 2,409 %** resulting from a re-allocation from NFR 2.D.3.i.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[kt]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>3.929,35</b>	<b>3.953,69</b>	<b>24,35</b>	<b>0,62%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>2.220,36</b>	<b>2.220,86</b>	<b>0,50</b>	<b>0,02%</b>	<b>sub-category chapters</b>
1.A.1.a	6,53	6,53	0,00	0,05%	<a href="#">here</a>
1.A.1.b	0,63	0,63	0,00	0,00%	<a href="#">here</a>
1.A.1.c	1,39	1,39	0,00	0,00%	<a href="#">here</a>
1.A.2.a	0,54	0,54	0,00	0,00%	<a href="#">here</a>
1.A.2.b	0,11	0,11	0,00	0,00%	<a href="#">here</a>
1.A.2.c	IE	IE	#WERT!	#WERT!	<a href="#">here</a>
1.A.2.d	IE	IE	#WERT!	#WERT!	<a href="#">here</a>
1.A.2.e	0,18	0,18	0,00	0,00%	<a href="#">here</a>
1.A.2.f	0,15	0,15	0,00	0,00%	<a href="#">here</a>
1.A.2.g vii	7,28	7,15	-0,13	-1,84%	<a href="#">here</a>
1.A.2.g viii	5,95	5,95	0,00	0,00%	<a href="#">here</a>
1.A.3.a i(i)	0,77	0,77	0,00	0,00%	<a href="#">here</a>
<b>1.A.3.a ii(i)</b>	<b>0,50</b>	<b>0,50</b>	<b>0,00</b>	<b>0,00%</b>	<b><a href="#">here</a></b>
1.A.3.b i	1.164,74	1.164,74	0,00	0,00%	<a href="#">here</a>
1.A.3.b ii	41,31	41,31	0,00	0,00%	<a href="#">here</a>
<b>1.A.3.b iii</b>	<b>57,35</b>	<b>57,35</b>	<b>0,00</b>	<b>0,00%</b>	<b><a href="#">here</a></b>
1.A.3.b iv	59,68	59,68	0,00	0,00%	<a href="#">here</a>
<b>1.A.3.b v</b>	<b>213,08</b>	<b>213,08</b>	<b>0,00</b>	<b>0,00%</b>	<b><a href="#">here</a></b>
1.A.3.b vi	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
<b>1.A.3.b vii</b>	<b>NA</b>	<b>NA</b>	<b>#WERT!</b>	<b>#WERT!</b>	<b><a href="#">here</a></b>
1.A.3.c	4,24	4,24	0,00	0,000%	<a href="#">here</a>
1.A.3.d i(ii)	IE	IE	#WERT!	#WERT!	
1.A.3.d ii	3,53	3,92	0,39	11,005%	<a href="#">here</a>
1.A.3.e i	0,01	0,01	0,00	0,000%	<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 i	100,57	100,57	0,00	0,00%	<a href="#">here</a>
1.A.4.a ii	2,10	2,06	-0,04	-1,74%	<a href="#">here</a>
1.A.4.b i	108,01	108,01	0,00	0,00%	<a href="#">here</a>
1.A.4.b ii	12,36	12,36	0,00	0,00%	<a href="#">here</a>
1.A.4.c i	11,54	11,54	0,00	0,00%	<a href="#">here</a>
1.A.4.c ii	34,73	34,99	0,25	0,73%	<a href="#">here</a>
1.A.4.c iii	0,02	0,02	0,00	18,40%	<a href="#">here</a>
1.A.5.a	177,53	177,53	0,00	0,00%	<a href="#">here</a>
1.A.5.b	22,97	22,99	0,02	0,10%	<a href="#">here</a>
1.B.1.a	0,32	0,32	0,00	0,00%	<a href="#">here</a>
1.B.1.b	5,75	5,75	0,00	0,00%	<a href="#">here</a>
1.B.1.c	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
1.B.2.a i	6,00	6,00	0,00	0,00%	
1.B.2.a iv	72,03	72,03	0,00	0,00%	
1.B.2.a v	88,91	88,91	0,00	0,00%	
1.B.2.b	9,03	9,03	0,00	0,00%	

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[kt]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>3.929,35</b>	<b>3.953,69</b>	<b>24,35</b>	<b>0,62%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>2.220,36</b>	<b>2.220,86</b>	<b>0,50</b>	<b>0,02%</b>	<b>sub-category chapters</b>
1.B.2.c	0,52	0,52	0,00	0,00%	
1.B.2.d	NA	NA	#WERT!	#WERT!	
NFR 2 - IPPU	1.291,63	1.291,63	0,00	0,00%	sub-category chapters
2.A.1	1,33	1,33	0,00	0,00%	<a href="#">here</a>
2.A.2	0,33	0,33	0,00	0,00%	<a href="#">here</a>
2.A.3	0,56	0,56	0,00	0,00%	<a href="#">here</a>
2.A.5.a	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.A.5.b	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.A.5.c	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.A.6	IE	IE	#WERT!	#WERT!	<a href="#">here</a>
2.B.1	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.B.2	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.B.3	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.B.5	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.B.6	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.B.7	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.B.10.a	52,28	52,28	0,00	0,00%	<a href="#">here</a>
2.B.10.b	8,09	8,09	0,00	0,00%	<a href="#">here</a>
2.C.1	6,57	6,57	0,00	0,00%	<a href="#">here</a>
2.C.2	NE	NE	#WERT!	#WERT!	<a href="#">here</a>
2.C.3	NE	NE	#WERT!	#WERT!	<a href="#">here</a>
2.C.4	NE	NE	#WERT!	#WERT!	<a href="#">here</a>
2.C.5	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.C.6	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.C.7.a	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.C.7.b	NE	NE	#WERT!	#WERT!	<a href="#">here</a>
2.C.7.c	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.C.7.d	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.D.3.a	92,15	92,15	0,00	0,00%	<a href="#">here</a>
2.D.3.b	1,90	1,90	0,00	0,00%	<a href="#">here</a>
2.D.3.c	0,07	0,07	0,00	0,00%	<a href="#">here</a>
2.D.3.d	540,00	540,00	0,00	0,00%	<a href="#">here</a>
2.D.3.e	114,00	114,00	0,00	0,00%	<a href="#">here</a>
2.D.3.f	1,41	1,41	0,00	0,00%	<a href="#">here</a>
2.D.3.g	69,59	69,59	0,00	0,00%	<a href="#">here</a>
2.D.3.h	139,36	139,36	0,00	0,00%	<a href="#">here</a>
2.D.3.i	203,08	203,08	0,00	0,00%	<a href="#">here</a>
2.G	40,72	40,72	0,00	0,00%	<a href="#">here</a>
2.H.1	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.H.2	15,20	15,20	0,00	0,00%	<a href="#">here</a>
2.H.3	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.I	4,98	4,98	0,00	0,00%	<a href="#">here</a>
2.J	NO	NO	#WERT!	#WERT!	<a href="#">here</a>
2.K	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
2.L	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
NFR 3 - Agriculture	399,07	422,91	23,8	5,98%	sub-category chapters
3.B.1.a	196,60	205,77	9,17	4,66%	<a href="#">here</a>
3.B.1.b	153,85	162,85	9,00	5,85%	<a href="#">here</a>
3.B.4.e	3,25	8,92	5,68	175%	<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>18,28</b>	<b>18,28</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

The small changes within the **National Total** reported for **2021 (-1.32 kt or -0.13 %)** result from several more or less significant revisions in **NFR1, 2 3 and 4**.

The strongest percental change occurs for **NFR 2.G with plus 2,816 %**, mostly resulting from a re-allocation of emissions from NFR 2.D.3.i.

Table 2: Changes in emission estimates for 2021

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[kt]			relative	
<b>NATIONAL TOTAL</b>	<b>1,044.19</b>	<b>1,042.87</b>	<b>-1.32</b>	<b>-0.13%</b>	<b>see description and reasoning in:</b>
<b>NFR 1 - Energy</b>	<b>196.27</b>	<b>197.15</b>	<b>0.88</b>	<b>0.45%</b>	<b>sub-category chapters</b>
1.A.1.a	7.05	7.06	0.02	0.22%	<a href="#">here</a>
1.A.1.b	0.77	0.77	0.00	0.61%	<a href="#">here</a>
1.A.1.c	0.37	0.40	0.02	6.10%	<a href="#">here</a>
1.A.2.a	0.250	0.239	-0.010	-4.18%	<a href="#">here</a>
1.A.2.b	0.072	0.078	0.006	8.53%	<a href="#">here</a>
1.A.2.e	0.020	0.022	0.002	10.8%	<a href="#">here</a>
1.A.2.g vii	3.91	4.16	0.26	6.61%	<a href="#">here</a>
1.A.2.g viii	6.16	5.91	-0.25	-4.08%	<a href="#">here</a>
1.A.3.a i(i)	0.28	0.29	0.01	3.42%	<a href="#">here</a>
1.A.3.a ii(i)	0.24	0.31	0.07	30.1%	<a href="#">here</a>
1.A.3.b i	39.63	38.74	-0.90	-2.26%	<a href="#">here</a>
1.A.3.b ii	1.46	1.41	-0.05	-3.55%	<a href="#">here</a>
1.A.3.b iii	2.18	2.19	0.01	0.39%	<a href="#">here</a>
1.A.3.b iv	13.38	13.08	-0.30	-2.23%	<a href="#">here</a>
1.A.3.b v	23.62	23.09	-0.52	-2.21%	<a href="#">here</a>
1.A.3.c	0.440	0.444	0.004	0.84%	<a href="#">here</a>
1.A.3.d ii	0.98	1.32	0.34	34.4%	<a href="#">here</a>
1.A.4.a i	4.14	4.01	-0.13	-3.22%	<a href="#">here</a>
1.A.4.a ii	0.782	0.772	-0.010	-1.22%	<a href="#">here</a>
1.A.4.b i	38.06	38.23	0.17	0.44%	<a href="#">here</a>
1.A.4.b ii	7.390	7.730	0.34	4.60%	<a href="#">here</a>
1.A.4.c i	0.869	0.880	0.011	1.26%	<a href="#">here</a>
1.A.4.c ii	12.18	15.79	3.61	29.6%	<a href="#">here</a>
1.A.5.a	0.0999	0.0997	-0.0001	-0.13%	<a href="#">here</a>
1.A.5.b	1.27	1.48	0.21	16.8%	<a href="#">here</a>
1.B.1.b	3.03	0.79	-2.23	-73.8%	<a href="#">here</a>
1.B.2.a iv	3.83	3.01	-0.82	-21.4%	
1.B.2.a v	15.56	16.37	0.81	5.20%	
1.B.2.b	2.27	2.49	0.22	9.55%	
<b>NFR 2 - IPPU</b>	<b>549.66</b>	<b>553.16</b>	<b>3.50</b>	<b>0.64%</b>	<b>sub-category chapters</b>
2.A.3	0.61	0.52	-0.09	-14.8%	<a href="#">here</a>
2.D.3.a	77.72	77.77	0.05	0.07%	<a href="#">here</a>
2.D.3.d	194.36	195.18	0.82	0.42%	<a href="#">here</a>
2.D.3.e	38.98	38.96	-0.03	-0.07%	<a href="#">here</a>
2.D.3.g	50.42	50.38	-0.04	-0.07%	<a href="#">here</a>
2.D.3.h	42.57	41.93	-0.64	-1.50%	<a href="#">here</a>
2.D.3.i	98.85	71.91	-26.94	-27.3%	<a href="#">here</a>
2.G	1.14	33.16	32.02	2,816%	<a href="#">here</a>
2.H.1	3.62	1.96	-1.66	-45.9%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>290.58</b>	<b>291.00</b>	<b>0.42</b>	<b>0.14%</b>	<b>sub-category chapters</b>
3.B.1.a	155.75	155.86	0.11	0.07%	<a href="#">here</a>
3.B.1.b	82.03	82.29	0.26	0.31%	<a href="#">here</a>
3.B.4.h	NE	0.04	0.04		<a href="#">here</a>

	Submission 2023	Submission 2024	Difference		Reasoning
<b>NFR Sector</b>	<b>[kt]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>1,044.19</b>	<b>1,042.87</b>	<b>-1.32</b>	<b>-0.13%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>196.27</b>	<b>197.15</b>	<b>0.88</b>	<b>0.45%</b>	<b>sub-category chapters</b>
3.D.e	9.43	9.44	0.00	0.05%	<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>7.68</b>	<b>1.56</b>	<b>-6.11</b>	<b>-79.7%</b>	<b>sub-category chapters</b>
5.A	1.211	1.211	0.000	0.04%	<a href="#">here</a>
5.C.2	6.31	0.20	<u>-6.11</u>	<u>-96.9%</u>	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				