

# 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-categories **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	
<b>NATIONAL TOTAL</b>	<b>3,948.88</b>	<b>3,929.35</b>	<b>-19.53</b>	<b>-0.49%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>2,220.72</b>	<b>2,220.36</b>	<b>-0.36</b>	<b>-0.02%</b>	sub-category chapters
1.A.2.g vii	9.97	7.28	-2.68	-26.1%	<a href="#">here</a>
1.A.3.a i(i)	0.75	0.77	0.02	2.66%	<a href="#">here</a>
1.A.3.a ii(i)	0.40	0.50	0.10	23.6%	<a href="#">here</a>
1.A.3.c	4.22	4.24	0.02	0.38%	<a href="#">here</a>
1.A.3.d ii	3.27	3.53	0.27	8.20%	<a href="#">here</a>
1.A.4.a ii	2.34	2.10	-0.25	-10.5%	<a href="#">here</a>
1.A.4.c ii	32.22	34.73	2.51	7.80%	<a href="#">here</a>
1.A.5.b	21.30	22.97	1.67	7.86%	<a href="#">here</a>
1.B.1.b	7.86	5.75	-2.11	-26.9%	<a href="#">here</a>
1.B.2.a iv	73.15	72.03	-1.12	-1.53%	
1.B.2.a v	87.79	88.91	1.12	1.28%	
1.B.2.b	8.94	9.03	0.10	1.07%	
<b>NFR 2 - IPPU</b>	<b>1,291.63</b>	<b>1,291.63</b>	<b>0.00</b>	<b>0.00%</b>	sub-category chapters
2.D.3.i	242.18	203.08	-39.10	-16.1%	<a href="#">here</a>
2.G	1.62	40.72	39.10	2,409%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>398.60</b>	<b>399.07</b>	<b>0.47</b>	<b>0.12%</b>	sub-category chapters
3.B.4.h	NE	0.47	0.47		<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>37.92</b>	<b>18.28</b>	<b>-19.64</b>	<b>-51.8%</b>	sub-category chapters
5.C.2	20.28	0.63	-19.64	-96.9%	<a href="#">here</a>
<b>NFR 6 - Other</b>		<b>NA</b>			

The small changes within the **National Total reported for 2021 (-1.32 kt or -0.137 %)** 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.

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>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>196.27</b>	<b>197.15</b>	<b>0.88</b>	<b>0.45%</b>	sub-category chapters
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>

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]			relative	see description and reasoning in:
<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>
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>
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	-6.11	-96.9%	<a href="#">here</a>
<b>NFR 6 - Other</b>		<b>NA</b>			