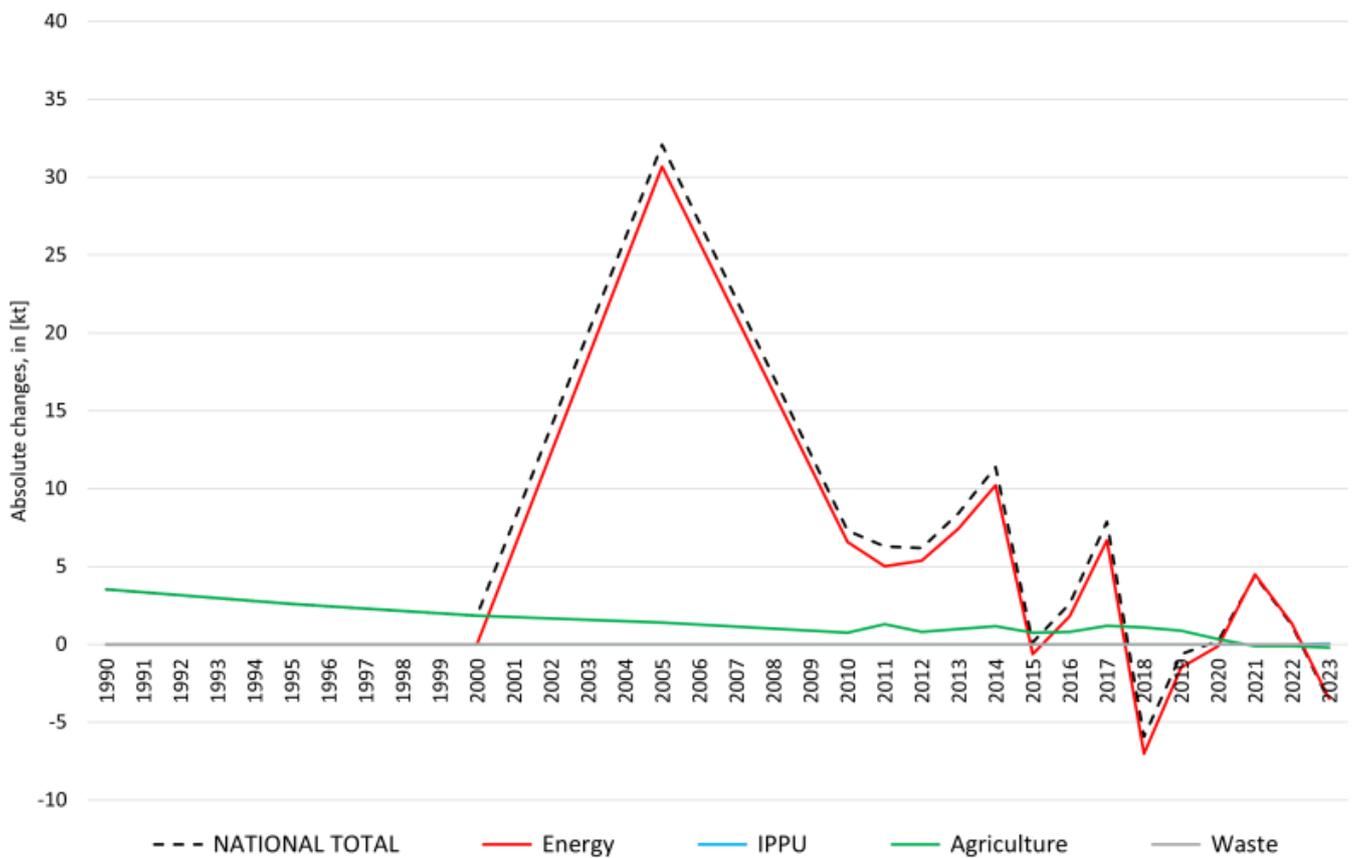


# Recalculations - Nitrogen Oxides



The marginal changes within the **National Total** reported for **1990 (+3.77 kt or +0.13 %)** are dominated by changes in NFRs **1.A.3.d ii**, and **1.A.2.g vii** and **1.A.4.c ii** together with less significant revisions throughout NFRs 1, 2 and 3.

The most significant percental change occurs for **NFR 3.B.4.e with plus 450 %**.

Table 1: Changes of emission estimates 1990

	Submission 2024		Submission 2025		
NFR Sector	[kt]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>2,842.27</b>	<b>2,846.04</b>	<b>3.77</b>	<b>0.13%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>2,597.94</b>	<b>2,599.34</b>	<b>1.40</b>	<b>0.05%</b>	<b>sub-category chapters</b>
1.A.2.g vii	35.42	34.65	-0.76	-2.16%	<a href="#">here</a>
1.A.3.d ii	51.59	53.25	1.66	3.22%	<a href="#">here</a>
1.A.4.a ii	10.59	10.44	-0.15	-1.40%	<a href="#">here</a>
1.A.4.c ii	63.59	64.29	0.69	1.09%	<a href="#">here</a>
1.A.4.c iii	0.39	0.38	-0.01	-1.90%	<a href="#">here</a>
1.A.5.b	41.20	41.17	-0.03	-0.08%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>100.73</b>	<b>100.73</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 3 - Agriculture</b>	<b>142.87</b>	<b>145.23</b>	<b>2.36</b>	<b>1.65%</b>	<b>sub-category chapters</b>
3.B.1.a	0.67	0.89	0.22	33.0%	<a href="#">here</a>
3.B.1.b	0.6896	0.8427	0.15	22.2%	<a href="#">here</a>
3.B.2	0.02	0.04	0.02	100%	<a href="#">here</a>
3.B.3	0.28	0.36	0.08	28.1%	<a href="#">here</a>
3.B.4.d	0.00114	0.00228	0.00114	100%	<a href="#">here</a>
3.B.4.e	0.042	0.232	0.190	450%	<a href="#">here</a>
3.B.4.g ii	0.00562	0.00560	-0.00002	-0.41%	<a href="#">here</a>

	Submission 2024		Submission 2025		
<b>NFR Sector</b>	<b>[kt]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>2,842.27</b>	<b>2,846.04</b>	<b>3.77</b>	<b>0.13%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>2,597.94</b>	<b>2,599.34</b>	<b>1.40</b>	<b>0.05%</b>	<b>sub-category chapters</b>
3.B.4.g iii	0.00339	0.00343	0.00004	1.23%	<a href="#">here</a>
3.B.4.g iv	0.0025	0.0028	0.0003	13.7%	<a href="#">here</a>
3.B.4.h	0.0038	0.0077	0.0038	100%	<a href="#">here</a>
3.D.a.2.a	44.59	45.94	1.35	3.04%	<a href="#">here</a>
3.D.a.3	8.50	8.84	0.34	4.01%	<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>0.74</b>	<b>0.74</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

The changes within the **National Total** reported for **2022 (-15.2 kt or -1.61 %)** are dominated by revisions in NFRs **1.A.1.a** (-13 kt) and **1.A.2.g viii** (-4.71 kt) together with less significant revisions **throughout NFRs 1, 2 and 3**.

Here, the most significant percental change occurs for **NFR 3.B.4.e with plus 468 %**.

Table 2: Changes of emission estimates 2020

	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>941.99</b>	<b>926.84</b>	<b>-15.15</b>	<b>-1.61%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>785.20</b>	<b>767.94</b>	<b>-17.26</b>	<b>-2.20%</b>	<b>sub-category chapters</b>
1.A.1.a	213.35	200.36	-13.00	-6.09%	<a href="#">here</a>
1.A.1.b	15.62	15.21	-0.41	-2.65%	<a href="#">here</a>
1.A.1.c	12.31	12.09	-0.21	-1.73%	<a href="#">here</a>
1.A.2.a	3.57	3.59	0.03	0.73%	<a href="#">here</a>
1.A.2.b	0.87	0.90	0.04	4.20%	<a href="#">here</a>
1.A.2.e	0.21	0.19	-0.01	-6.98%	<a href="#">here</a>
1.A.2.g vii	6.56	6.11	-0.45	-6.83%	<a href="#">here</a>
1.A.2.g viii	68.53	63.82	-4.71	-6.87%	<a href="#">here</a>
1.A.3.a i(i)	8.30	8.31	0.01	0.14%	<a href="#">here</a>
1.A.3.a ii(i)	1.2796	1.2802	0.0006	0.04%	<a href="#">here</a>
1.A.3.b i	178.53	178.82	0.29	0.16%	<a href="#">here</a>
1.A.3.b ii	45.78	45.03	-0.75	-1.64%	<a href="#">here</a>
1.A.3.b iii	70.08	70.78	0.70	1.00%	<a href="#">here</a>
1.A.3.b iv	1.40	1.37	-0.03	-2.41%	<a href="#">here</a>
1.A.3.c	7.84	7.85	0.01	0.07%	<a href="#">here</a>
1.A.3.d ii	20.47	19.25	-1.22	-5.96%	<a href="#">here</a>
1.A.4.a i	17.77	17.69	-0.07	-0.42%	<a href="#">here</a>
1.A.4.a ii	6.38	6.08	-0.29	-4.58%	<a href="#">here</a>
1.A.4.b i	59.79	61.02	1.23	2.06%	<a href="#">here</a>
1.A.4.b ii	0.39	0.41	0.02	5.04%	<a href="#">here</a>
1.A.4.c i	7.58	7.90	0.32	4.21%	<a href="#">here</a>
1.A.4.c ii	32.56	33.58	1.02	3.14%	<a href="#">here</a>
1.A.4.c iii	0.259	0.244	-0.015	-5.63%	<a href="#">here</a>
1.A.5.a	0.259	0.259	0.00	0.00%	<a href="#">here</a>
1.A.5.b	2.61	2.92	0.31	11.88%	<a href="#">here</a>
1.B.1.b	0.28	0.23	-0.05	-18.66%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>54.44</b>	<b>54.91</b>	<b>0.47</b>	<b>0.86%</b>	<b>sub-category chapters</b>
2.A.2	3.642	3.715	0.07	1.98%	<a href="#">here</a>
2.A.3	10.99	11.39	0.40	3.61%	<a href="#">here</a>
2.B.3	0.102	0.101	-0.001	-0.87%	<a href="#">here</a>
2.G	0.196	0.196	0.00	0.01%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>101.25</b>	<b>102.90</b>	<b>1.65</b>	<b>1.63%</b>	<b>sub-category chapters</b>
3.B.1.a	0.485	0.544	0.06	12.07%	<a href="#">here</a>

	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>941.99</b>	<b>926.84</b>	<b>-15.15</b>	<b>-1.61%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>785.20</b>	<b>767.94</b>	<b>-17.26</b>	<b>-2.20%</b>	<b>sub-category chapters</b>
3.B.1.b	0.495	0.561	0.07	13.34%	<a href="#">here</a>
3.B.2	0.01	0.02	0.01	100%	<a href="#">here</a>
3.B.3	0.195	0.224	0.03	14.68%	<a href="#">here</a>
3.B.4.d	0.00206	0.00406	0.00	96.4%	<a href="#">here</a>
3.B.4.e	0.0393	0.2238	0.18	468%	<a href="#">here</a>
3.B.4.g i	0.019	0.017	-0.002	-9.26%	<a href="#">here</a>
3.B.4.g ii	0.0133	0.0126	-0.0007	-5.42%	<a href="#">here</a>
3.B.4.g iii	0.0094	0.0077	-0.0017	-18.40%	<a href="#">here</a>
3.B.4.g iv	0.002022	0.002057	0.000035	1.73%	<a href="#">here</a>
3.B.4.h	0.0006	0.0012	0.0006	98.7%	<a href="#">here</a>
3.D.a.1	45.46	44.29	-1.18	-2.59%	<a href="#">here</a>
3.D.a.2.a	35.22	36.65	1.43	4.06%	<a href="#">here</a>
3.D.a.2.b	0.474	0.476	0.002	0.33%	<a href="#">here</a>
3.D.a.2.c	13.92	14.67	0.75	5.35%	<a href="#">here</a>
3.D.a.3	4.78	5.11	0.33	7.01%	<a href="#">here</a>
3.l	0.12	0.09	-0.03	-27.61%	<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>1.10</b>	<b>1.10</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				