

# Recalculations - Ammonia

The changes within the **National Total** reported for **1990 (+8.8 kt or +1.2 %)** are dominated by **newly implemented emission estimates for NFR 6.A (+ 6.25 kt)** together with less significant changes throughout NFRs 1 and 3.

The most significant percental change occurs for **NFR 3.D.a.2.c with plus 559 %**.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning see description and reasoning in: sub-category chapters
	[kt]			relative	
<b>NATIONAL TOTAL</b>	<b>725.52</b>	<b>734.36</b>	<b>8.84</b>	<b>1.22%</b>	
<b>NFR 1 - Energy</b>	<b>15.8891</b>	<b>15.8897</b>	<b>0.0006</b>	<b>0.004%</b>	sub-category chapters
1.A.2.g vii	0.008	0.006	-0.002	-28.7%	<a href="#">here</a>
1.A.3.a i(i)	0.0493	0.0492	-0.0001	-0.13%	<a href="#">here</a>
1.A.3.a ii(i)	0.0349	0.0353	0.0004	1.16%	<a href="#">here</a>
1.A.3.c	0.0318	0.0319	0.0001	0.25%	<a href="#">here</a>
1.A.3.d ii	0.01056	0.01055	-0.00001	-0.07%	<a href="#">here</a>
1.A.4.a ii	0.0018	0.0016	-0.0002	-8.57%	<a href="#">here</a>
1.A.4.c ii	0.009	0.011	0.003	29.6%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>14.68</b>	<b>14.68</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 3 - Agriculture</b>	<b>686.62</b>	<b>689.20</b>	<b>2.58</b>	<b>0.38%</b>	sub-category chapters
3.B.4.g i	11.41	11.40	-0.02	-0.14%	<a href="#">here</a>
3.B.4.g iv	2.470	2.472	0.002	0.08%	<a href="#">here</a>
3.D.a.1	78.82	78.71	-0.11	-0.14%	<a href="#">here</a>
3.D.a.2.a	285.58	286.21	0.63	0.22%	<a href="#">here</a>
3.D.a.2.c	0.24	1.55	1.32	559%	<a href="#">here</a>
3.D.a.3	22.24	22.37	0.14	0.61%	<a href="#">here</a>
3.l	0.002	0.001	0.00	-5.19%	<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>0.34</b>	<b>0.34</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 6 - Other</b>	<b>8.00</b>	<b>14.25</b>	<b>6.25</b>	<b>78.2%</b>	sub-category chapters
6.A	8.00	14.25	6.25	78.2%	

Changes within the **National Total** reported for **2020 (-7.49 kt | -1.4 %)** result mainly from several larger revisions in **NFR 3 (-17.2 kt)** and **newly implemented emission estimates from NFR 6 (+ 8 kt)** together with less significant changes throughout NFRs 1, 2 and 5.

The most significant relative change occurs for **NFR 1.A.4.a i with plus 38 %**.

Table 2: Changes in emission estimates for 2020

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning see description and reasoning in: sub-category chapters
	[kt]			relative	
<b>NATIONAL TOTAL</b>	<b>515.77</b>	<b>525.48</b>	<b>9.71</b>	<b>1.88%</b>	
<b>NFR 1 - Energy</b>	<b>12.72</b>	<b>12.50</b>	<b>-0.22</b>	<b>-1.71%</b>	sub-category chapters
1.A.1.a	0.624	0.620	-0.004	-0.70%	<a href="#">here</a>
1.A.1.b	0.528	0.527	-0.001	-0.19%	<a href="#">here</a>
1.A.1.c	0.0244	0.0249	0.0005	1.89%	<a href="#">here</a>
1.A.2.a	0.103	0.099	-0.004	-3.74%	<a href="#">here</a>
1.A.2.b	0.0059	0.0075	0.002	27.5%	<a href="#">here</a>
1.A.2.e	0.0010	0.0012	0.0002	25.3%	<a href="#">here</a>
1.A.2.f	0.020	0.022	0.003	13.5%	<a href="#">here</a>
1.A.2.g vii	0.008	0.006	-0.003	-33.8%	<a href="#">here</a>
1.A.2.g viii	0.391	0.381	-0.010	-2.51%	<a href="#">here</a>
1.A.3.a i(i)	0.060	0.060	0.000	-0.22%	<a href="#">here</a>
1.A.3.a ii(i)	0.0132	0.0125	-0.0007	-5.40%	<a href="#">here</a>

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]		absolute	relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>515.77</b>	<b>525.48</b>	<b>9.71</b>	<b>1.88%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>12.72</b>	<b>12.50</b>	<b>-0.22</b>	<b>-1.71%</b>	<b>sub-category chapters</b>
1.A.3.b i	8.253	8.010	-0.24	-2.93%	<a href="#">here</a>
1.A.3.b ii	0.261	0.251	-0.010	-3.85%	<a href="#">here</a>
1.A.3.b iii	0.716	0.718	0.002	0.31%	<a href="#">here</a>
1.A.3.b iv	0.0205	0.0200	-0.0005	-2.24%	<a href="#">here</a>
1.A.3.c	0.008	0.008	0.000	0.05%	<a href="#">here</a>
1.A.3.d ii	0.0053	0.0057	0.0004	7.28%	<a href="#">here</a>
1.A.4.a i	0.457	0.233	-0.22	-49.1%	<a href="#">here</a>
<b>1.A.4.a ii</b>	<b>0.001838</b>	<b>0.001898</b>	<b>0.000060</b>	<b>3.26%</b>	<b>here</b>
1.A.4.b i	1.126	1.388	0.26	23.3%	<a href="#">here</a>
1.A.4.b ii	0.00029	0.00031	0.00001	4.60%	<a href="#">here</a>
1.A.4.c i	0.050	0.059	0.009	17.8%	<a href="#">here</a>
1.A.4.c ii	0.010	0.013	0.003	30.3%	<a href="#">here</a>
<b>1.A.4.c iii</b>	<b>0.00009</b>	<b>0.00009</b>	<b>0.00000</b>	<b>0.00%</b>	<b>here</b>
1.A.5.a	0.0042297	0.0042302	0.0000005	0.01%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>8.85</b>	<b>8.69</b>	<b>-0.16</b>	<b>-1.80%</b>	<b>sub-category chapters</b>
2.A.3	1.16	1.00	-0.16	-13.8%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>482.32</b>	<b>482.30</b>	<b>-0.02</b>	<b>-0.003%</b>	<b>sub-category chapters</b>
3.B.1.a	53.81	53.91	0.10	0.19%	<a href="#">here</a>
3.B.1.b	48.55	48.75	0.20	0.41%	<a href="#">here</a>
3.B.3	72.41	72.37	-0.04	-0.05%	<a href="#">here</a>
3.B.4.g i	6.91	6.87	-0.04	-0.63%	<a href="#">here</a>
3.B.4.g ii	8.13	8.11	-0.03	-0.31%	<a href="#">here</a>
3.B.4.g iii	9.07	9.04	-0.03	-0.35%	<a href="#">here</a>
3.B.4.g iv	1.53	1.52	-0.01	-0.92%	<a href="#">here</a>
3.D.a.1	34.87	35.02	0.15	0.44%	<a href="#">here</a>
3.D.a.2.a	167.43	168.12	0.69	0.41%	<a href="#">here</a>
3.D.a.2.b	1.67	1.61	-0.06	-3.85%	<a href="#">here</a>
3.D.a.2.c	54.31	53.83	-0.48	-0.89%	<a href="#">here</a>
3.D.a.3	12.47	12.75	0.29	2.30%	<a href="#">here</a>
3.l	3.18	2.31	-0.86	-27.2%	<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>3.54</b>	<b>3.78</b>	<b>0.24</b>	<b>6.92%</b>	<b>sub-category chapters</b>
5.B.1	2.02	2.00	-0.02	-1.05%	<a href="#">here</a>
5.B.2	1.52	1.78	0.27	17.5%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>8.35</b>	<b>18.21</b>	<b>9.86</b>	<b>118%</b>	<b>sub-category chapters</b>
6.A	8.35	18.21	9.86	118%	