

## 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 changes occur for NFRs **3.D.a.2.c** (plus 559 %) and **6.A** (plus 78 %).

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2024	Submission 2025	Difference		Reasoning see description and reasoning in:
	[kt]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>734,36</b>	<b>834,48</b>	<b>100,12</b>	<b>13,63%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>15,8897</b>	<b>15,8897</b>	<b>0,00003</b>	<b>0,002%</b>	<b>sub-category chapters</b>
1.A.2.g vii	0,0056	0,0055	-0,0001	-2,11%	<a href="#">here</a>
1.A.3.d ii	0,01055	0,01059	0,00004	0,36%	<a href="#">here</a>
1.A.4.a ii	0,00164	0,00162	-0,00002	-1,39%	<a href="#">here</a>
1.A.4.c ii	0,0114	0,0115	0,0001	1,16%	<a href="#">here 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>689,20</b>	<b>789,32</b>	<b>100,12</b>	<b>14,5%</b>	<b>sub-category chapters</b>
3.B.1.a	62,10	60,08	-2,02	-3,25%	<a href="#">here</a>
3.B.1.b	81,36	75,09	-6,27	-7,70%	<a href="#">here</a>
3.B.3	120,10	120,20	0,11	0,09%	<a href="#">here</a>
3.B.4.e	6,73	18,52	11,8	175%	<a href="#">here</a>
3.B.4.g ii	5,07	5,06	-0,01	-0,25%	<a href="#">here</a>
3.B.4.g iii	3,99	4,01	0,02	0,46%	<a href="#">here</a>
3.B.4.g iv	2,472	2,849	0,38	15,26%	<a href="#">here</a>
3.D.a.1	78,71	129,55	50,83	64,6%	<a href="#">here</a>
3.D.a.2.a	286,21	320,57	34,37	12,0%	<a href="#">here</a>
3.D.a.2.c	1,55	1,58	0,02	1,57%	<a href="#">here</a>
3.D.a.3	22,37	24,58	2,21	9,86%	<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>14,25</b>	<b>14,25</b>	<b>0,00</b>	<b>0,00%</b>	

Changes within the **National Total** reported for **2021 (+9.7 kt or +1.88 %)** result mainly from **newly implemented emission estimates in NFR 6.A (+9.86 kt)** together with less significant changes throughout NFRs 1, 2, 3 and 5.

The most significant percental change occurs for **NFR 6.A** with plus 118 %.

Table 2: Changes in emission estimates for 2020

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning see description and reasoning in:
	[kt]		absolute	relative	
<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.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>
1.A.3.b i	8.253	8.010	-0.24	-2.93%	<a href="#">here</a>

	Submission 2023	Submission 2024	Difference		Reasoning
NFR Sector	[kt]		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 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><a href="#">here</a></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><a href="#">here</a></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%	