

# Recalculations - Ammonia

The important changes within the **National Total** reported for **1990 (+100 kt or +13.6 %)** are dominated by revisions in NR sub-categories **3.B.4.e** (+11.8 kt), **3.D.a.1** (+50.8 kt) and **3.D.a.2.a** (+34.4 kt) together with less significant changes throughout NFRs 1 and 3.

The most significant percental change occurs for NFR **3.B.4.e with plus 175 %**.

Table 1: Changes in emission estimates for 1990

NFR Sector	Submission 2024	Submission 2025	Difference		Reasoning
	[kt]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>734,36</b>	<b>834,48</b>	<b>100,12</b>	<b>13,63%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>15,8897</b>	<b>15,8897</b>	<b>0,00003</b>	<b>0,002%</b>	sub-category chapters
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>	sub-category chapters
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>	

The remarkable changes within the **National Total** reported for **2022 (+64.4 kt or +12.6 %)** result mainly from revisions throughout **NFR 3 (+64.5 kt)** together with less significant changes throughout NFRs 1, 2, and 5.

The most significant percental changes occur for NFR sub-categories **3.B.4.e** with plus 184 % **and** **3.D.a.1** with plus 101 %\*\*.

Table 2: Changes in emission estimates for 2022

NFR Sector	Submission 2024	Submission 2025	Difference		Reasoning
	[kt]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>512,22</b>	<b>576,62</b>	<b>64,40</b>	<b>12,57%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>12,81</b>	<b>12,82</b>	<b>0,01</b>	<b>0,10%</b>	sub-category chapters
1.A.1.a	0,639	0,634	-0,004	-0,67%	<a href="#">here</a>
1.A.1.b	0,584	0,622	0,04	6,60%	<a href="#">here</a>
1.A.1.c	0,0243	0,0240	-0,0003	-1,06%	<a href="#">here</a>
1.A.2.a	0,092	0,093	0,002	2,09%	<a href="#">here</a>
1.A.2.b	0,0073	0,0072	-0,0001	-1,49%	<a href="#">here</a>
1.A.2.e	0,0013	0,0015	0,0002	11,81%	<a href="#">here</a>
1.A.2.f	0,024	0,021	-0,003	-11,84%	<a href="#">here</a>
1.A.2.g vii	0,0049	0,0046	-0,0003	-6,06%	<a href="#">here</a>
1.A.2.g viii	0,392	0,353	-0,04	-10,06%	<a href="#">here</a>
1.A.3.a i(i)	0,0904	0,0905	0,0001	0,16%	<a href="#">here</a>

	Submission 2024	Submission 2025	Difference		Reasoning
NFR Sector	[kt]		absolute	relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>512,22</b>	<b>576,62</b>	<b>64,40</b>	<b>12,57%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>12,81</b>	<b>12,82</b>	<b>0,01</b>	<b>0,10%</b>	<b>sub-category chapters</b>
1.A.3.a ii(i)	0,01759	0,01759	0,00001	0,03%	<a href="#">here</a>
1.A.3.b i	8,218	8,239	0,02	0,26%	<a href="#">here</a>
1.A.3.b ii	0,278	0,274	-0,004	-1,32%	<a href="#">here</a>
1.A.3.b iii	0,693	0,699	0,01	0,89%	<a href="#">here</a>
1.A.3.b iv	0,022	0,021	-0,001	-2,63%	<a href="#">here</a>
1.A.3.c	0,007341	0,007341	-0,000001	-0,01%	<a href="#">here</a>
1.A.3.d ii	0,0049	0,0048	0,00	-2,55%	<a href="#">here</a>
1.A.4.a i	0,214	0,209	-0,005	-2,15%	<a href="#">here</a>
1.A.4.a ii	0,0018	0,0016	-0,0001	-8,51%	<a href="#">here</a>
1.A.4.b i	1,391	1,390	-0,001	-0,07%	<a href="#">here</a>
1.A.4.b ii	0,00031	0,00032	0,00001	3,01%	<a href="#">here</a>
1.A.4.c i	0,056	0,057	0,001	1,32%	<a href="#">here</a>
1.A.4.c ii	0,0134	0,0138	0,0004	2,92%	<a href="#">here</a>
1.A.5.b	0,023	0,024	0,001	4,58%	<a href="#">here</a>
1.B.1.b	0,002	0,002	0,00	0,00%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>7,88</b>	<b>8,06</b>	<b>0,18</b>	<b>2,29%</b>	<b>sub-category chapters</b>
2.A.3	1,01	1,19	0,18	17,83%	<a href="#">here</a>
2.G	0,55344	0,55348	0,00005	0,01%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>469,31</b>	<b>533,83</b>	<b>64,52</b>	<b>13,75%</b>	<b>sub-category chapters</b>
3.B.1.a	53,32	48,11	-5,21	-9,77%	<a href="#">here</a>
3.B.1.b	48,60	43,95	-4,64	-9,56%	<a href="#">here</a>
3.B.3	63,46	62,66	-0,80	-1,27%	<a href="#">here</a>
3.B.4.d	0,264	0,260	-0,005	-1,79%	<a href="#">here</a>
3.B.4.e	6,29	17,88	11,59	184%	<a href="#">here</a>
3.B.4.g i	7,09	6,71	-0,38	-5,42%	<a href="#">here</a>
3.B.4.g ii	8,00	7,57	-0,43	-5,39%	<a href="#">here</a>
3.B.4.g iii	9,04	7,52	-1,52	-16,78%	<a href="#">here</a>
3.B.4.g iv	1,52	1,63	0,11	7,06%	<a href="#">here</a>
3.B.4.h	0,1067	0,1070	0,0003	0,25%	<a href="#">here</a>
3.D.a.1	33,44	67,18	33,73	101%	<a href="#">here</a>
3.D.a.2.a	165,79	185,70	19,91	12,01%	<a href="#">here</a>
3.D.a.2.b	1,61	1,61	0,01	0,33%	<a href="#">here</a>
3.D.a.2.c	54,21	58,24	4,03	7,43%	<a href="#">here</a>
3.D.a.3	12,78	14,93	2,15	16,86%	<a href="#">here</a>
3.l	2,31	1,67	-0,64	-27,61%	<a href="#">here</a>
<b>NFR 5 - Waste</b>	<b>3,88</b>	<b>3,73</b>	<b>-0,15</b>	<b>-3,91%</b>	<b>sub-category chapters</b>
5.B.1	2,02	1,81	-0,20	-10,10%	<a href="#">here</a>
5.B.2	1,87	1,92	0,05	2,78%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>18,34</b>	<b>18,18</b>	<b>-0,17</b>	<b>-0,90%</b>	<b>sub-category chapters</b>
6.A	18,34	18,18	-0,17	-0,90%	