

# Recalculations - Polyaromatic Hydrocarbons 1 to 4

The marginally small changes within the **National Total** reported for **1990 (-0.08 t or -0.07 %)** are dominated by **revisions in NFR sub-categories of NFR 1.A.1.c, 1.A.2.g vii and 1.A.4.c ii** with the most significant percental change occurs for **1.A.3.a i(i) with minus 62 %**.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[t]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>115.75</b>	<b>115.67</b>	<b>-0.08</b>	<b>-0.07%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>102.48</b>	<b>102.40</b>	<b>-0.08</b>	<b>-0.08%</b>	sub-category chapters
1.A.1.c	0.09	0.01	-0.08	-89.5%	<a href="#">here</a>
1.A.2.g vii	0.14	0.10	-0.04	-28.8%	<a href="#">here</a>
1.A.3.a i(i)	0.000010	0.000004	-0.000006	-62.4%	<a href="#">here</a>
1.A.3.a ii(i)	0.00015	0.00016	0.00001	7.61%	<a href="#">here</a>
1.A.3.c	0.2895	0.2899	0.0004	0.14%	<a href="#">here</a>
1.A.4.a ii	0.0224	0.0195	-0.0028	-12.7%	<a href="#">here</a>
1.A.4.c ii	0.17	0.21	0.04	26.1%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>11.8050</b>	<b>11.8058</b>	<b>0.0008</b>	<b>0.01%</b>	sub-category chapters
2.D.3.g	NA	0.0008	0.0008		<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>1.46</b>	<b>1.46</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

The changes in the **National Total** reported for **2021 (+0.58 t or +0.78 %)** result from a **variety of revisions throughout NFR 1** with the **most significant absolute and percental change** occurring in **NFR 1.A.3.b iii (+0.62 t or +130 %)** resulting from a correction of erroneous data reported with the previous submission.

Table 2: Changes of emission estimates 2021

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[t]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>75.08</b>	<b>75.67</b>	<b>0.58</b>	<b>0.78%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>71.29</b>	<b>71.88</b>	<b>0.58</b>	<b>0.82%</b>	sub-category chapters
1.A.1.a	0.04289	0.04265	-0.00024	-0.56%	<a href="#">here</a>
1.A.1.b	0.0031	0.0030	-0.0001	-3.73%	<a href="#">here</a>
1.A.1.c	0.064	0.001	-0.063	-98.6%	<a href="#">here</a>
1.A.2.a	0.000330	0.000317	-0.000013	-3.82%	<a href="#">here</a>
1.A.2.g vii	0.15	0.10	-0.05	-32.9%	<a href="#">here</a>
1.A.2.g viii	0.82	0.66	-0.17	-20.1%	<a href="#">here</a>
1.A.3.a i(i)	0.0000015	0.0000014	-0.0000001	-5.24%	<a href="#">here</a>
1.A.3.a ii(i)	0.00001923	0.00001924	0.00000001	0.07%	<a href="#">here</a>
1.A.3.b i	1.43	1.41	-0.02	-1.59%	<a href="#">here</a>
1.A.3.b ii	0.232	0.228	-0.004	-1.93%	<a href="#">here</a>
1.A.3.b iii	0.48	1.10	0.62	130%	<a href="#">here</a>
1.A.3.b iv	0.01392	0.01406	0.00014	1.02%	<a href="#">here</a>
1.A.3.b vi	0.0830	0.0831	0.0001	0.13%	<a href="#">here</a>
1.A.3.c	0.03415	0.03417	0.00002	0.07%	<a href="#">here</a>
1.A.3.d ii	0.055	0.059	0.004	7.86%	<a href="#">here</a>
1.A.4.a i	8.21	8.39	0.17	2.12%	<a href="#">here</a>
1.A.4.a ii	0.017	0.018	0.001	6.00%	<a href="#">here</a>
1.A.4.b i	58.573	58.607	0.035	0.06%	<a href="#">here</a>
1.A.4.b ii	0.0069	0.0072	0.0003	4.60%	<a href="#">here</a>
1.A.4.c i	0.666	0.668	0.002	0.28%	<a href="#">here</a>

	Submission 2023	Submission 2024	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>75.08</b>	<b>75.67</b>	<b>0.58</b>	<b>0.78%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>71.29</b>	<b>71.88</b>	<b>0.58</b>	<b>0.82%</b>	<b>sub-category chapters</b>
1.A.4.c ii	0.18	0.23	0.05	29.1%	<a href="#">here</a>
1.A.5.a	0.09088	0.09092	0.00004	0.04%	<a href="#">here</a>
1.A.5.b	0.0050489	0.0050496	0.0000007	0.01%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>3.333</b>	<b>3.334</b>	<b>0.001</b>	<b>0.03%</b>	<b>sub-category chapters</b>
2.D.3.g	NA	0.001	0.001		<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0.46</b>	<b>0.46</b>	<b>0.00</b>	<b>0.00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				