

# Recalculations - Polyaromatic Hydrocarbons 1 to 4

The marginally small changes within the **National Total** reported for **1990 (+0.0001 t or +0.001 %)** result almost entirely from **revisions in several sub-categories of NFR 1** 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]			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>0,00</b>	<b>0,00</b>	<b>0,00</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>0,00</b>	<b>0,00</b>	<b>0,00</b>		

The changes in the **National Total** reported for **2020 (-1.73 t and -2.6 %)** result from a **variety of revisions throughout NFR 1** dominated by a revision in NFR sub-category **1.A.1.a with -0,61 t or -94,23 %**.

The significant percental change occurring in NFR 1.A.3.b iii results from a data error that will be corrected with the next annual submission.

Table 2: Changes of emission estimates 2020

NFR Sector	Submission 2022	Submission 2023	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>66,60</b>	<b>64,87</b>	<b>-1,73</b>	<b>-2,60%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>63,21</b>	<b>61,48</b>	<b>-1,73</b>	<b>-2,74%</b>	sub-category chapters
1.A.1.a	0,65	0,04	-0,61	-94,23%	<a href="#">here</a>
1.A.1.b	0,013	0,003	-0,011	-78,75%	<a href="#">here</a>
1.A.1.c	0,0900	0,0897	-0,0003	-0,34%	<a href="#">here</a>
1.A.2.a	0,000305	0,000300	-0,000005	-1,66%	<a href="#">here</a>
1.A.2.g vii	0,1442	0,1476	0,0034	2,37%	<a href="#">here</a>
1.A.2.g viii	0,67	0,90	0,22	33,07%	<a href="#">here</a>
1.A.3.a i(i)	0,000000577	0,000000575	-0,000000002	-0,42%	<a href="#">here</a>
1.A.3.a ii(i)	0,000014904	0,000014909	0,000000005	0,03%	<a href="#">here</a>
1.A.3.b i	1,40	1,41	0,01	0,62%	<a href="#">here</a>
1.A.3.b ii	0,210	0,214	0,004	1,97%	<a href="#">here</a>
1.A.3.b iii	1,15	0,39	-0,76	-65,91%	<a href="#">here</a>
1.A.3.b iv	0,0151	0,0153	0,0002	1,11%	<a href="#">here</a>
1.A.3.b vi	0,0825	0,0822	-0,0003	-0,40%	<a href="#">here</a>
1.A.3.c	0,032	0,034	0,002	6,26%	<a href="#">here</a>
1.A.3.d ii	0,053542	0,053539	-0,000004	-0,01%	<a href="#">here</a>
1.A.4.a i	7,13	7,29	0,15	2,16%	<a href="#">here</a>
1.A.4.a ii	0,0178	0,0180	0,0002	0,89%	<a href="#">here</a>
1.A.4.b i	50,57	49,82	-0,75	-1,48%	<a href="#">here</a>
1.A.4.b ii	0,009	0,007	-0,002	-21,39%	<a href="#">here</a>
1.A.4.c i	0,5789	0,5789	-0,0001	-0,01%	<a href="#">here</a>

NFR Sector	Submission 2022	Submission 2023	Difference		Reasoning
	[t]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>66,60</b>	<b>64,87</b>	<b>-1,73</b>	<b>-2,60%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>63,21</b>	<b>61,48</b>	<b>-1,73</b>	<b>-2,74%</b>	<b>sub-category chapters</b>
1.A.4.c ii	0,176	0,178	0,003	1,56%	<a href="#">here</a>
1.A.5.a	0,063	0,067	0,004	6,65%	<a href="#">here</a>
1.A.5.b	0,005	0,005	0,000	0,00%	<a href="#">here</a>
1.B.1.b	0,130	0,131	0,001	0,88%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>2,94</b>	<b>2,94</b>	<b>0,00</b>	<b>0,00%</b>	
<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>				