

# Recalculations - Polyaromatic Hydrocarbons 1 to 4

The changes within the **National Total** reported for **1990 (-2.81 t or -2.37 %)** are dominated by a revision in **NFR 1.A.1.a with -2.78 t** together with much less significant changes throughout NFR 1.

With **minus 96%**, the change in **NFR 1.A.1.a** is also the most significant percental change.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2022	Submission 2023	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>118,56</b>	<b>115,75</b>	<b>-2,81</b>	<b>-2,37%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>105,29</b>	<b>102,48</b>	<b>-2,81</b>	<b>-2,67%</b>	sub-category chapters
1.A.1.a	2,89	0,12	-2,78	-95,99%	<a href="#">here</a>
1.A.1.b	0,03	0,01	-0,03	-81,40%	<a href="#">here</a>
1.A.2.g vii	0,1399	0,1401	0,0002	0,17%	<a href="#">here</a>
1.A.3.b i	1,219	1,242	0,023	1,86%	<a href="#">here</a>
1.A.3.b ii	0,047	0,060	0,013	26,86%	<a href="#">here</a>
1.A.3.b iii	0,836	0,795	-0,041	-4,87%	<a href="#">here</a>
1.A.3.b iv	0,017	0,018	0,001	2,99%	<a href="#">here</a>
1.A.4.a ii	0,02238	0,02236	-0,00002	-0,09%	<a href="#">here</a>
1.A.4.c ii	0,1659	0,1657	-0,0002	-0,13%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>11,80</b>	<b>11,80</b>	<b>0,00</b>	<b>0,00%</b>	sub-category chapters
<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 **2020 (-0.42 t and -4.15 %)** result from a **variety of revisions throughout NFRs 1 and 2**.

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)	0,00000577	0,00000575	-0,00000002	-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>

	Submission 2022	Submission 2023	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<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.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>
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>				