

# 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]		absolute	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 2021	Submission 2022	Difference		Reasoning
	[t]		absolute	relative	
<b>NATIONAL TOTAL</b>	<b>76,79</b>	<b>70,44</b>	<b>-6,36</b>	<b>-8,28%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>66,23</b>	<b>65,91</b>	<b>-0,33</b>	<b>-0,49%</b>	sub-category chapters
1.A.1.a	0,70	0,72	0,02	3,06%	<a href="#">here</a>
1.A.1.b	0,0156	0,0152	-0,0004	-2,63%	<a href="#">here</a>
1.A.1.c	0,16	0,10	-0,06	-38,36%	<a href="#">here</a>
1.A.2.a	0,000326	0,000345	0,000019	5,69%	<a href="#">here</a>
1.A.2.g vii	0,1384	0,1385	0,0001	0,08%	<a href="#">here</a>
1.A.2.g viii	0,76	0,71	-0,05	-6,55%	<a href="#">here</a>
1.A.3.a i(i)	0,000006	0,000001	-0,000005	-83,52%	<a href="#">here</a>
1.A.3.a ii(i)	0,00014	0,00002	-0,00012	-83,69%	<a href="#">here</a>
1.A.3.b i	1,6208	1,6224	0,0016	0,10%	<a href="#">here</a>
1.A.3.b ii	0,2157	0,2133	-0,0024	-1,10%	<a href="#">here</a>
1.A.3.b iii	1,191	1,189	-0,002	-0,15%	<a href="#">here</a>
1.A.3.b iv	0,0150	0,0148	-0,0002	-1,10%	<a href="#">here</a>
1.A.3.c	0,029	0,033	0,004	13,13%	<a href="#">here</a>
1.A.3.d ii	0,062	0,060	-0,002	-3,47%	<a href="#">here</a>
1.A.4.a i	7,098	7,097	-0,001	-0,01%	<a href="#">here</a>
1.A.4.a ii	0,01743	0,01746	0,00003	0,18%	<a href="#">here</a>
1.A.4.b i	52,87	52,91	0,04	0,07%	<a href="#">here</a>
1.A.4.b ii	0,0090	0,0094	0,0004	4,50%	<a href="#">here</a>

	Submission 2021	Submission 2022	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>76,79</b>	<b>70,44</b>	<b>-6,36</b>	<b>-8,28%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>66,23</b>	<b>65,91</b>	<b>-0,33</b>	<b>-0,49%</b>	<b>sub-category chapters</b>
1.A.4.c i	0,5900	0,5899	-0,0001	-0,01%	<a href="#">here</a>
1.A.4.c ii	0,1653	0,1655	0,0002	0,13%	<a href="#">here</a>
1.A.4.c iii	0,00146	0,00092	-0,00054	-37,07%	<a href="#">here</a>
1.A.5.a	0,035	0,055	0,020	56,30%	<a href="#">here</a>
1.A.5.b	0,007	0,006	-0,001	-14,99%	<a href="#">here</a>
1.B.1.b	0,44	0,15	-0,29	-66,70%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>9,49</b>	<b>3,44</b>	<b>-6,04</b>	<b>-63,69%</b>	<b>sub-category chapters</b>
2.A.1	6,02	0,03	-5,99	-99,58%	<a href="#">here</a>
2.C.1	3,272	3,285	0,013	0,40%	<a href="#">here</a>
2.C.3	0,066	0,001	-0,065	-98,63%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>1,069</b>	<b>1,083</b>	<b>0,014</b>	<b>1,31%</b>	<b>sub-category chapters</b>
5.C.1.b v	0,00143	0,00001	-0,00142	-99,12%	<a href="#">here</a>
5.C.2	1,068	1,083	0,015	1,44%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				