

# Recalculations - Polyaromatic Hydrocarbons 1 to 4

The strong changes within the **National Total reported for 1990 (-59 t | -33 %)** are dominated by changes in **NFRs 1.B.1.b (-35 t), 2.A.1 (-6.90 t) and 2.C.3 (-17 t)**.

However, the most significant percental change occurs for **NFR 1.A.3c with plus 164 %**.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>177,42</b>	<b>118,56</b>	<b>-58,87</b>	<b>-33,18%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>140,19</b>	<b>105,29</b>	<b>-34,90</b>	<b>-24,89%</b>	sub-category chapters
1.A.3.a i(i)	0,00002	0,00001	-0,00001	-33,33%	<a href="#">here</a>
1.A.3.a ii(i)	0,00022	0,00015	-0,00007	-33,33%	<a href="#">here</a>
1.A.3.c	0,11	0,29	0,18	164%	<a href="#">here</a>
1.A.3.d ii	0,14	0,12	-0,02	-17,43%	<a href="#">here</a>
1.A.4.c iii	0,002	0,001	-0,001	-53,84%	<a href="#">here</a>
1.A.5.b	0,091	0,090	-0,001	-1,38%	<a href="#">here</a>
1.B.1.b	42,03	6,98	-35,05	-83,40%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>35,77</b>	<b>11,80</b>	<b>-23,97</b>	<b>-67,00%</b>	sub-category chapters
2.A.1	6,93	0,03	-6,90	-99,58%	<a href="#">here</a>
2.C.1	10,67	10,68	0,02	0,15%	<a href="#">here</a>
2.C.3	17,98	0,90	-17,09	-95,01%	<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>-0,02%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

The strong changes within the **National Total reported for 2019 (-99 kt | -56 %)** are dominated by changes in **NFRs 1.A.4.a i and 1.A.4.b i**.

However, the most significant relative change occurs for **NFR 1.A.5.a with minus 63 %**.

Table 2: Changes of emission estimates 2018

NFR Sector	Submission 2020	Submission 2021	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>174,88</b>	<b>75,71</b>	<b>-99,18</b>	<b>-56,71%</b>	see description and reasoning in: sub-category chapters
<b>NFR 1 - Energy</b>	<b>164,19</b>	<b>65,16</b>	<b>-99,04</b>	<b>-60,32%</b>	sub-category chapters
1.A.1.a	0,68	0,76	0,08	12,06%	<a href="#">here</a>
1.A.1.b	0,014	0,015	0,001	9,13%	<a href="#">here</a>
1.A.1.c	0,101	0,175	0,07	72,74%	<a href="#">here</a>
1.A.2.a	0,000344	0,000346	0,000002	0,59%	<a href="#">here</a>
1.A.2.g vii	0,13	0,14	0,01	7,92%	<a href="#">here</a>
1.A.2.g viii	0,81	0,74	-0,07	-8,05%	<a href="#">here</a>
1.A.3.a i(i)	NE	0,00001	0,00001		<a href="#">here</a>
1.A.3.a ii(i)	0,00023	0,00015	-0,00009	-36,34%	<a href="#">here</a>
1.A.3.b i	1,58	1,62	0,04	2,37%	<a href="#">here</a>
1.A.3.b ii	0,206	0,209	0,003	1,22%	<a href="#">here</a>
1.A.3.b iii	1,21	1,17	-0,04	-3,34%	<a href="#">here</a>
1.A.3.b iv	0,0150	0,0148	-0,0002	-1,19%	<a href="#">here</a>
1.A.3.b vi	0,0912	0,0911	-0,0001	-0,16%	<a href="#">here</a>
1.A.3.c	0,033	0,029	-0,005	-13,98%	<a href="#">here</a>
1.A.3.d ii	0,067	0,068	0,002	2,79%	<a href="#">here</a>
1.A.4.a i	21,24	6,29	-14,95	-70,38%	<a href="#">here</a>
1.A.4.a ii	0,021	0,018	-0,003	-15,35%	<a href="#">here</a>
1.A.4.b i	135,47	52,49	-82,98	-61,25%	<a href="#">here</a>

	Submission 2020	Submission 2021	Difference		Reasoning
<b>NFR Sector</b>	<b>[t]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>174,88</b>	<b>75,71</b>	<b>-99,18</b>	<b>-56,71%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>164,19</b>	<b>65,16</b>	<b>-99,04</b>	<b>-60,32%</b>	<b>sub-category chapters</b>
1.A.4.c i	1,69	0,57	-1,12	-66,30%	<a href="#">here</a>
1.A.4.c ii	0,168	0,163	-0,005	-2,94%	<a href="#">here</a>
1.A.4.c iii	0,0070	0,0072	0,0002	2,65%	<a href="#">here</a>
1.A.5.a	0,13	0,05	-0,08	-62,89%	<a href="#">here</a>
1.A.5.b	0,007301	0,007301	0,000001	0,01%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>9,55</b>	<b>9,41</b>	<b>-0,14</b>	<b>-1,43%</b>	<b>sub-category chapters</b>
2.G	0,27	0,14	-0,14	-50,27%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>		<b>NA</b>			
<b>NFR 5 - Waste</b>	<b>1,14</b>	<b>1,14</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>		<b>NA</b>			