

# Recalculations - Polyaromatic Hydrocarbons 1 to 4

The strong changes within the **National Total reported for 1990 (-198 kt | -53 %)** 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 plus 691,203 %**.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2020	Submission 2021	Difference		Reasoning
	[kt]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>374,98</b>	<b>177,42</b>	<b>-197,55</b>	<b>-52,68%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>337,52</b>	<b>140,19</b>	<b>-197,33</b>	<b>-58,47%</b>	<b>sub-category chapters</b>
1.A.2.g vii	0,138	0,140	0,002	1,60%	<a href="#">here</a>
1.A.2.g viii	3,75	3,75	0,00	0,00%	<a href="#">here</a>
1.A.3.a i(i)	NE	0,00002	0,00002		<a href="#">here</a>
1.A.3.a ii(i)	0,0015	0,0002	-0,0012	-84,90%	<a href="#">here</a>
1.A.3.b i	1,222	1,219	-0,002	-0,18%	<a href="#">here</a>
1.A.3.b ii	0,07	0,05	-0,02	-31,77%	<a href="#">here</a>
1.A.3.b iii	0,80	0,84	0,03	4,14%	<a href="#">here</a>
1.A.3.b iv	0,018	0,017	-0,001	-6,18%	<a href="#">here</a>
1.A.3.b vi	0,0622	0,0620	-0,0002	-0,30%	<a href="#">here</a>
1.A.4.a i	50,50	9,26	-41,23	-81,66%	<a href="#">here</a>
1.A.4.a ii	0,0222	0,0224	0,0002	0,94%	<a href="#">here</a>
1.A.4.b i	222,63	73,94	-148,69	-66,79%	<a href="#">here</a>
1.A.4.c i	12,76	2,60	-10,16	-79,61%	<a href="#">here</a>
1.A.4.c ii	0,168	0,166	-0,002	-1,44%	<a href="#">here</a>
1.A.5.a	0,0004	2,7365	2,7361	691,203%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>36,05</b>	<b>35,77</b>	<b>-0,28</b>	<b>-0,76%</b>	<b>sub-category chapters</b>
2.G	0,47	0,20	-0,28	-58,42%	<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>sub-category chapters</b>
<b>NFR 6 - Other</b>	<b>NA</b>				

The strong changes within the **National Total reported for 2018 (-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	see description and reasoning in:
<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.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>

	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.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>
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>			