

# Recalculations - Benzo[a]Pyrene

The strong changes within the **National Total reported for 1990 (-111 kt | -80 %)** 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 168,754 %**.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[t]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>27,94</b>	<b>26,98</b>	<b>-0,96</b>	<b>-3,42%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>25,40</b>	<b>25,46</b>	<b>0,06</b>	<b>0,25%</b>	<b>sub-category chapters</b>
1.A.3.a i(i)	0,000003	0,000002	-0,000001	-33,33%	<a href="#">here</a>
1.A.3.a ii(i)	0,00005	0,00003	-0,00002	-33,33%	<a href="#">here</a>
1.A.3.c	0,027	0,096	0,069	257%	<a href="#">here</a>
1.A.3.d ii	0,034	0,028	-0,006	-17,43%	<a href="#">here</a>
1.A.4.c iii	0,0005	0,0002	-0,0003	-53,84%	<a href="#">here</a>
1.A.5.b	0,0309	0,0306	-0,0003	-1,00%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>1,98</b>	<b>0,96</b>	<b>-1,02</b>	<b>-51,39%</b>	<b>sub-category chapters</b>
2.C.1	0,13	NE	-0,13	-100%	<a href="#">here</a>
2.C.3	1,79	0,90	-0,89	-49,74%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0,56</b>	<b>0,56</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

The strong changes within the **National Total reported for 2019 (-12.4 kt | -44 %)** 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 2.G with minus 50 %**.

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>28,21</b>	<b>15,84</b>	<b>-12,38</b>	<b>-43,87%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>27,68</b>	<b>15,33</b>	<b>-12,35</b>	<b>-44,62%</b>	<b>sub-category chapters</b>
1.A.1.a	0,048	0,049	0,001	2,57%	<a href="#">here</a>
1.A.1.b	0,0028	0,0030	0,0003	9,48%	<a href="#">here</a>
1.A.1.c	0,0010	0,0014	0,0004	33,54%	<a href="#">here</a>
1.A.2.a	0,000122	0,000123	0,000001	0,89%	<a href="#">here</a>
1.A.2.g vii	0,033	0,035	0,002	7,40%	<a href="#">here</a>
1.A.2.g viii	0,0216	0,0215	-0,0002	-0,70%	<a href="#">here</a>
1.A.3.a i(i)	NE	0,0000016	0,0000016		<a href="#">here</a>
1.A.3.a ii(i)	0,000049	0,000031	-0,000018	-36,34%	<a href="#">here</a>
1.A.3.b i	0,41	0,42	0,01	2,53%	<a href="#">here</a>
1.A.3.b ii	0,057	0,058	0,001	1,25%	<a href="#">here</a>
1.A.3.b iii	0,079	0,076	-0,003	-3,34%	<a href="#">here</a>
1.A.3.b iv	0,00361	0,00357	-0,00004	-1,19%	<a href="#">here</a>
1.A.3.b vi	0,0325	0,0324	-0,0001	-0,15%	<a href="#">here</a>
1.A.3.c	0,008	0,007	-0,001	-13,98%	<a href="#">here</a>
1.A.3.d ii	0,0163	0,0168	0,0005	2,79%	<a href="#">here</a>
1.A.4.a i	3,06	1,54	-1,52	-49,81%	<a href="#">here</a>
1.A.4.a ii	0,005	0,004	-0,001	-15,36%	<a href="#">here</a>
1.A.4.b i	23,54	12,82	-10,72	-45,55%	<a href="#">here</a>
1.A.4.c i	0,24	0,14	-0,10	-43,03%	<a href="#">here</a>
1.A.4.c ii	0,042	0,041	-0,001	-2,75%	<a href="#">here</a>

	Submission 2020	Submission 2021	Difference		Reasoning
<b>NFR Sector</b>	[t]			relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>28,21</b>	<b>15,84</b>	<b>-12,38</b>	<b>-43,87%</b>	sub-category chapters
<b>NFR 1 - Energy</b>	<b>27,68</b>	<b>15,33</b>	<b>-12,35</b>	<b>-44,62%</b>	sub-category chapters
1.A.4.c iii	0,00172	0,00177	0,00005	2,65%	<a href="#">here</a>
1.A.5.a	0,018	0,011	-0,01	-35,84%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>0,09</b>	<b>0,07</b>	<b>-0,03</b>	<b>-27,36%</b>	sub-category chapters
2.G	0,05	0,03	-0,03	-50,27%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>0,44</b>	<b>0,44</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				