

# Recalculations - Dioxines & Furanes (PCDD/F)

The negligibly small changes within the **National Total reported for 1990 (-0.02 g | -0.001 %)** result from several small changes throughout **NFR 1.A** and within **NFR 2.G**.

The most significant relative change occurs for **NFR 2.G with minus 58 %**.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[t]		absolute	relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>814,95</b>	<b>813,90</b>	<b>-1,05</b>	<b>-0,13%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>523,57</b>	<b>522,52</b>	<b>-1,05</b>	<b>-0,20%</b>	<b>sub-category chapters</b>
1.A.3.b i	14,84	14,59	-0,25	-1,66%	<a href="#">here</a>
1.A.3.b ii	0,25	0,24	-0,01	-3,71%	<a href="#">here</a>
1.A.3.b iv	0,50	0,51	0,01	2,44%	<a href="#">here</a>
1.A.3.c	0,08	0,14	0,06	74,04%	<a href="#">here</a>
1.A.3.d ii	4,56	3,77	-0,80	-17,43%	<a href="#">here</a>
1.A.4.b ii	0,092	0,094	0,002	2,61%	<a href="#">here</a>
1.A.4.c iii	0,07	0,03	-0,04	-53,84%	<a href="#">here</a>
1.A.5.b	0,18	0,13	-0,04	-23,46%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>242,10</b>	<b>242,10</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>49,29</b>	<b>49,29</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

Changes within the **National Total reported for 2019 (-0.93 g | -0.77 %)** 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
	[g]		absolute	relative	see description and reasoning in:
<b>NATIONAL TOTAL</b>	<b>120,73</b>	<b>119,80</b>	<b>-0,93</b>	<b>-0,77%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>51,83</b>	<b>50,91</b>	<b>-0,91</b>	<b>-1,77%</b>	<b>sub-category chapters</b>
1.A.1.a	4,65	4,75	0,10	2,19%	<a href="#">here</a>
1.A.1.b	0,008	0,015	0,007	87,69%	<a href="#">here</a>
1.A.1.c	0,073	0,124	0,05	69,01%	<a href="#">here</a>
1.A.2.a	0,0244	0,0246	0,0002	0,90%	<a href="#">here</a>
1.A.2.g vii	0,078	0,083	0,006	7,07%	<a href="#">here</a>
1.A.2.g viii	1,31	1,22	-0,09	-6,82%	<a href="#">here</a>
1.A.3.b ii	0,99	0,98	-0,01	-1,41%	<a href="#">here</a>
1.A.3.b iii	0,4616	0,4613	-0,0003	-0,07%	<a href="#">here</a>
1.A.3.b iv	0,3436	0,3434	-0,0001	-0,03%	<a href="#">here</a>
1.A.3.c	0,024	0,021	-0,003	-13,98%	<a href="#">here</a>
1.A.3.d ii	2,18	2,24	0,06	2,79%	<a href="#">here</a>
1.A.4.a i	18,41	16,23	-2,18	-11,83%	<a href="#">here</a>
1.A.4.a ii	0,012	0,010	-0,002	-15,33%	<a href="#">here</a>
1.A.4.b i	13,32	14,43	1,12	8,39%	<a href="#">here</a>
1.A.4.b ii	0,075	0,072	-0,003	-3,38%	<a href="#">here</a>
1.A.4.c i	1,44	1,43	-0,01	-0,37%	<a href="#">here</a>
1.A.4.c ii	0,19	0,20	0,01	3,14%	<a href="#">here</a>
1.A.4.c iii	0,23	0,24	0,01	2,65%	<a href="#">here</a>
1.A.5.a	0,114	0,117	0,002	2,18%	<a href="#">here</a>
1.A.5.b	0,04777	0,04779	0,00002	0,04%	<a href="#">here</a>

	Submission 2020	Submission 2021	Difference		Reasoning
<b>NFR Sector</b>	<b>[g]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>120,73</b>	<b>119,80</b>	<b>-0,93</b>	<b>-0,77%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>51,83</b>	<b>50,91</b>	<b>-0,91</b>	<b>-1,77%</b>	<b>sub-category chapters</b>
<b>NFR 2 - IPPU</b>	<b>20,94</b>	<b>20,93</b>	<b>-0,01</b>	<b>-0,06%</b>	<b>sub-category chapters</b>
2.G	0,02	0,01	-0,01	-50,27%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>47,95</b>	<b>47,95</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				