Recalculations - Non-Methane Volatile Organic Compounds

Revision of NMVOC emissions over time

gallery size="medium" : NMVOC_absolut.png : NMVOC_relativ.png gallery

> The significant changes within the **National Total reported for 1990 (+594 kt | +17.26 %)** are dominated by icreased emission estimates from **NFRs 1.A.3.b i, ii, iii and 1.A.3.b v as well as 3.B.1.a** and b and newly implemented emissions in **NFRs 5.A and 5.C.2**.
> In **NFR 2 - IPPU**, emissions from 2.D.3.a have been re-allocated to **NFRs 2.D.3.f, h and i** with no impact on the sector's total emissions.
> Due to newly implemented emission estimates, the strongest relative change occurs for **NFR 5 with +30,040%**.
>
> Table 1: Changes in emission estimates for 1990

f<image NMVOC_1990.png	=				
	= **Submission 2019**	= **Submission 2020**	= **Difference**	= **Reasoning**	
= **NFR Code**			= **[kt]**	= **relative**	< **see description and reasoning in:**
~ NATIONAL TOTAL	> **3,439.65**	> **4,033.30**	> **593.65**	> **17.26%**	< **sub-category chapters**
NFR 1 - Energy	> **1,874.8**5	> **2,262.13**	> **387.28**	> **20.66%**	< **sub-category chapters**
1.A.3.a i(i)	> 0.89	> 0.77	> -0.12	> -13.20%	< here]
1.A.3.a ii(i)	> 0.61	> 1.75	> 1.13	> 185%	< here]
1.A.3.b i	> 949.79	> 1.190.67	> 240.88	> 25.36%	< here]
1.A.3.b ii	> 28.26	> 44.51	> 16.25	> 57.50%	< here]
1.A.3.b iii	> 33.02	> 57.71	> 24.69	> 74.78%	< here]
1.A.3.b iv	> 53.24	> 62.35	> 9.11	> 17.12%	< here]
1.A.3.b v	> 104.24	> 214.70	> 110.46	> 106%	< here]
1.B.2.a iv	> 97.18	> 81.24	> -15.94	> -16.40%	< here]
1.B.2.b	> 7.16	> 7.97	> 0.81	> 11.32%	< here]
NFR 2 - IPPU	> **1,285.62**	> **1,285.62**	> **0.00**	> **0.00%**	< **sub-category chapters**
2.D.3.a	> 436.00	> 92.15	> -343.85	> -78.86%	< here]
2.D.3.f	= IE	> 1.41	> 1.41	>	< here]
2.D.3.h	= IE	> 139.36	> 139.36	>	< here]
2.D.3.i	> 38.49	> 241.57	> 203.08	> 528%	< here]
NFR 3 - Agriculture	> **279.05**	> **447.13**	> **168.08**	> **60.23%**	< **sub-category chapters**
3.B.1.a	> 113.98	> 231.88	> 117.90	> 103%	< here]
3.B.1.b	> 116.91	> 167.09	> 50.18	> 42.92%	< here]
3.D.e	> 7.693	> 7.692	> -0.001	> -0.02%	< here]
NFR 5 - Waste	> **0.13**	> **38.42**	> **38.29**	> **30,040%**	< **sub-category chapters**
5.A	= NA	> 18.02	> 18.02	>	< here]
5.C.2	= NE	> 20.28	> 20.28	>	< here]
NFR 6 - Other					= **NA**

> Changes within the **National Total reported for 2017 (+96.66 kt | +9.04 %)** are dominated by revisions in **NFRs 3.B.1.a and b, 5.A and 5.C.2**.
> In addition, several changes occur throughout**NFRs 1 and 2**.
> Due to newly implemented emission estimates, the strongest relative change occurs for **NFR 5 with +13,301%**.

Table 2: Changes in emission estimates for 2017

f<image NMVOC_recent.png	=

	= Submission 2019	= Submission 2020	= Difference	= Reasoning
= NFR Code		= [kt]	= relative	< see description and reasoning in:
~ NATIONAL TOTAL	> **1,068.76**	> **1,165.41**	> **96.66**	> **9.04%**	< **sub-category chapters**
NFR 1 - Energy	> **252.45**	> **220.08**	> **-32.37**	> **-12.82%**	< **sub-category chapters**
1.A.1.a	> 8.67	> 8.41	> -0.26	> -3.00%	< here]
1.A.1.b	> 0.90	> 0.80	> -0.10	> -11.05%	< here]
1.A.1.c	> 0.36	> 0.33	> -0.03	> -7.39%	< here]
1.A.2.a	> 0.265	> 0.261	> -0.004	> -1.51%	< here]
1.A.2.b	> 0.10	> 0.08	> -0.02	> -18.98%	< here]
1.A.2.e	> 0.02	> 0.02	> -0.001	> -2.41%	< here]
1.A.2.g vii	> 4.26	> 3.90	> -0.36	> -8.48%	< here]
1.A.2.g viii	> 6.37	> 5.99	> -0.39	> -6.08%	< here]
1.A.3.a i(i)	> 0.63	> 0.74	> 0.11	> 17.04%	< here]
1.A.3.a ii(i)	> 0.26	> 0.56	> 0.30	> 117.55%	< here]
1.A.3.b i	> 56.84	> 50.03	> -6.81	> -11.98%	< here]
1.A.3.b ii	> 1.30	> 1.66	> 0.36	> 27.84%	< here]
1.A.3.b iii	> 4.14	> 3.53	> -0.61	> -14.78%	< here]
1.A.3.b iv	> 18.70	> 15.63	> -3.07	> -16.44%	< here]
1.A.3.b v	> 12.64	> 20.25	> 7.61	> 60.21%	< here]
1.A.3.c	> 0.57	> 0.45	> -0.12	> -21.33%	< here]
1.A.3.d ii	> 1.12	> 1.07	> -0.04	> -3.91%	< 1.A.3.d ii - National Navigation]
1.A.4.a i	> 1.90	> 3.95	> 2.04	> 107.55%	< 1.A.4.a i - Households: Stationary]
1.A.4.a ii	> 1.193	> 1.195	> 0.002	> 0.19%	< here]
1.A.4.b i	> 34.74	> 33.26	> -1.48	> -4.27%	< here]
1.A.4.b ii	> 11.264	> 11.260	> -0.004	> -0.04%	< here]
1.A.4.c i	> 1.60	> 0.85	> -0.75	> -47.06%	< here]
1.A.4.c ii	> 10.83	> 10.13	> -0.70	> -6.50%	< here]
1.A.4.c iii	> 0.06263	> 0.06261	> -0.00001	> -0.02%	< here]
1.A.5.a	> 0.07	> 0.06	> -0.01	> -11.86%	< here]
1.A.5.b	> 1.30	> 1.26	> -0.04	> -3.09%	< here]
1.B.2.a iv	> 41.62	> 12.34	> -29.28	> -70.35%	< here]
1.B.2.b	> 3.70	> 5.01	> 1.31	> 35.28%	< here]
1.B.2.c	> 0.43	> 0.41	> -0.02	> -3.91%	< here]
NFR 2 - IPPU	> **613.75**	> **595.06**	> **-18.69**	> **-3.04%**	< **sub-category chapters**
2.A.2	> 0.2606	> 0.2608	> 0.0002	> 0.08%	< here]
2.A.6	> 0.113	> 0.096	> -0.016	> -14.51%	< here]
2.D.3.a	> 96.96	> 95.76	> -1.20	> -1.24%	< here]
2.D.3.d	> 207.73	> 201.27	> -6.46	> -3.11%	< here]
2.D.3.e	> 41.88	> 41.16	> -0.72	> -1.72%	< here]
2.D.3.g	> 52.66	> 49.72	> -2.94	> -5.59%	< here]
2.D.3.h	> 56.27	> 63.33	> 7.06	> 12.54%	< here]
2.D.3.i	> 117.80	> 102.92	> -14.87	> -12.63%	< here]
2.H.2	> 14.79	> 15.26	> 0.47	> 3.17%	< here]
NFR 3 - Agriculture	> **202.41**	> **329.95**	> **127.54**	> **63.01%**	< **sub-category chapters**
3.B.1.a	> 75.32	> 170.89	> 95.57	> 126.89%	< here]
3.B.1.b	> 71.95	> 103.75	> 31.80	> 44.21%	< here]
3.B.4.g i	> 8.57	> 8.67	> 0.10	> 1.13%	< here]
NFR 5 - Waste	> **0.15**	> **20.33**	> **20.18**	> **13,301%**	< **sub-category chapters**
5.A	= NA	> 4.25	> 4.248	>	< here]
5.C.2	= NE	> 15.93	> 15.93	>	< here]
5.D.1	> 0.14	> 0.14	> -0.002	> -1.13%	<
NFR 6 - Other					= **NA**