

关于消耗臭氧层物质的 蒙特利尔议定书

Distr.: General
28 August 2026
Chinese
Original: English

关于消耗臭氧层物质的蒙特利尔议定书
缔约方第三十八次会议
2026 年 11 月 2 日至 6 日，基加利
预备会议临时议程*项目 10

履约和数据报告问题：
履行委员会的工作和建议

蒙特利尔议定书不遵守情事程序
下设履行委员会
第七十七次会议
2026 年 10 月 30 日和 31 日，基加利
临时议程**项目 3、5、6 和 7
臭氧秘书处介绍根据《蒙特利尔议定书》
第 7 和第 9 条提交的数据和资料以及相关问题
有关不履约问题的缔约方先前决定及履行
委员会建议的落实情况
审议数据报告可能产生的其他不履约问题
更改基线数据的请求

缔约方依照《关于消耗臭氧层物质的蒙特利尔议定书》 第 7 和第 9 条提供的信息

秘书处的报告

一、 引言

1. 本报告系依照《关于消耗臭氧层物质的蒙特利尔议定书》第 12 条(c)款编写，载有迄今按照《议定书》第 7 和第 9 条及蒙特利尔议定书缔约方会议相关决定提交给臭氧秘书处的信息。本报告讨论的主要问题在表 1 中作了总结，以便蒙特利尔议定书缔约方和蒙特利尔议定书不遵守情事程序下设履行委员会成员审议报告。
2. 本报告第二节涵盖了表 1 所列议题。
3. 第三节列出了报告的各项附件。附件一至附件三提供了参考信息，已酌情更新，以反映所审议的最近两年（就本报告而言为 2024 年和 2025 年）情况

* UNEP/OzL.Pro.38/1。

** UNEP/OzL.Pro/ImpCom/77/R.1。

，而附件四至附件十六则载列了缔约方第 7 条报告中提供的或从中得出的数据和信息。

表 1
议题摘要

分节/议题	状况
A. 按照《议定书》第 9 条提交的报告	2026 年 4 月，立陶宛提交了涵盖 2020–2021 两年期的新报告（见第 4 段）。
B. 年度数据和氢氟碳化物基线数据报告要求（第 7 条第 2、3、3 之二和 3 之三款）的遵守情况	2025 年数据报告： - 迄今为止，198 个缔约方中有 136 个已提交报告（见表 2）； - 共有 97 个缔约方使用在线报告系统提交了数据。 2024 年数据报告： 197 个缔约方已提交报告（见表 2）； - 共有 128 个缔约方使用在线报告系统提交了数据。 - 最近批准《议定书基加利修正》的六个缔约方尚未报告其氢氟碳化物基线数据（见表 3）。
C. 2024 年控制措施遵守情况	- 本报告介绍了去年因未及时收到部分或全部所需信息以供委员会审查而未得到处理的八个可能不履约案例，其中表明，根据委员会第七十五次会议后收到的信息（见表 4）： - 其中五个缔约方更正了之前提交的信息，确认其遵守了 2024 年的控制措施； - 其中两个缔约方尚未就其过度消费氢氟碳化物作出澄清； - 根据第 XXXV/16 号决定，推迟了对一个可能不履约案例的审议。
D. 非按第 5 条第 1 款行事的缔约方（非第 5 条缔约方）在 2025 年遵守控制措施的情况	- 迄今为止，有两个非第 5 条缔约方提交的 2025 年数据表明其在 2025 年偏离了控制措施。 - 一个案例涉及豁免用途； - 另一个案例属于第 XVIII/17 和 XXII/20 号决定的规定范围（见表 5 和表 6）。
E. 第 5 条缔约方 2025 年遵守控制措施情况	- 迄今为止，有六个按第 5 条第 1 款行事的缔约方（第 5 条缔约方）提交的 2025 年数据表明其在 2025 年偏离了控制措施。 - 所有五个缔约方均尚未就其过度消费情况作出澄清（见表 7）。
F. 2025 年获准的关键用途豁免的核算	获得 2025 年关键用途豁免的唯一缔约方已提交其核算报告（见表 8）。
G. 报告出口及其目的地国（第 XVII/16 和第 XXX/12 号决定）	共有 52 个缔约方报告了 2024 年的出口情况；44 个缔约方报告了关于目的地国的部分或完整信息，已说明目的地国的出口量占报告出口总量的 99%（按重量计）（见表 9）。
H. 报告进口及其来源国（第 XXIV/12 和第 XXX/12 号决定）	共有 167 个缔约方报告了 2024 年的进口情况；96 个缔约方报告了来源国信息，已说明

分节/议题	状况
	来源的进口量占报告进口总量的 72%（按重量计）（见表 10）。
I. 2024 年和 2025 年由储存造成的计算生产量和消费量超额情况综合记录（第 XVIII/17 和第 XXII/20 号决定）	- 四个缔约方报告 2024 年有五例储存造成的计算生产量或消费量超额情况（见附件十一）。 - 迄今为止已报告 2025 年的一个案例。
J. 报告 2024 年和 2025 年加工剂用途（第 X/14、XXI/3、XXXI/6 和 XXXII/5 号决定）	- 所有被要求报告加工剂用途的缔约方都报告了 2024 年的情况（见第 26 段）。 - 已有两个缔约方报告了 2025 年的情况（见表 11）。
K. 已淘汰受控物质的报告生产量	2024 年，已淘汰受控物质的报告生产量共计将近 596 000 公吨，其中全氯氟烃、四氯化碳和甲基氯仿占报告生产总量的 97%（见表 12）。
L. 受控物质的报告原料用途	共 20 个缔约方报告在 2024 年将受控物质用于原料用途，共计约 220 万公吨（见图 2 和图 3）。
M. 已报告的甲基溴检疫和装运前用途	共 39 个缔约方报告在 2024 年将甲基溴用于检疫和装运前用途，共计约 8 000 公吨（见图 4）。
N. 受控物质的报告销毁量	共有 27 个缔约方报告在 2024 年销毁了受控物质，共计约 18 000 公吨（见图 5）。
O. 缔约方对第 XXIV/14、XXIX/18 和 XXX/14 号决定（第 7 条数据报告表中应填零补格）的回应	- 就 2024 年而言，八个缔约方提交了含空白单元格的数据表格（见表 13）。 - 所有这些缔约方或是澄清空白单元格代表零，或是提交了不同的表格。
P. 修订氢氟碳化物基线数据（第 XIII/15 和第 XV/19 号决定）	四个缔约方提交了订正其氢氟碳化物基线数据的请求（见表 14 和表 15）。

二、 缔约方提供的信息

A. 按照《议定书》第 9 条提交的报告

4. 2026 年 4 月，秘书处收到立陶宛根据第 9 条提交的新材料，涵盖 2012–2013、2014–2015、2016–2017 和 2020–2021 两年期。¹ 只有涵盖 2020–2021 两年期的提交材料代表了新信息，其他提交材料是重新提交前几年的信息。

B. 报告年度数据和氢氟碳化物基线数据要求的遵守状况（第 7 条第 2 款、第 3 款、第 3 款之二和第 3 款之三）

5. 表 2 显示了近年来报告第 7 条数据²的统计数字。对于 1986 年至 2023 年期间，所有缔约方均报告了所有年份的数据。除亚美尼亚外，所有缔约方均已

¹ 根据第 9 条提交的信息，可查阅 <https://ozone.unep.org/countries/additional-reported-information/article-9>。2002 年，在履行委员会第二十九次会议上，秘书处注意到，委员会已达成一项非正式谅解，即各评估小组和世界气象组织的定期报告满足了第 9 条的要求（UNEP/OzL.Pro/ImpCom/29/3，第 39 段）。

² 根据《蒙特利尔议定书》第 7 条第 3 款，每一缔约方应在关于所涉物质的规定对其生效的那一年及以后每一年向秘书处提供《议定书》附件 A、B、C、E 和 F 所列每一种受控物质的年产

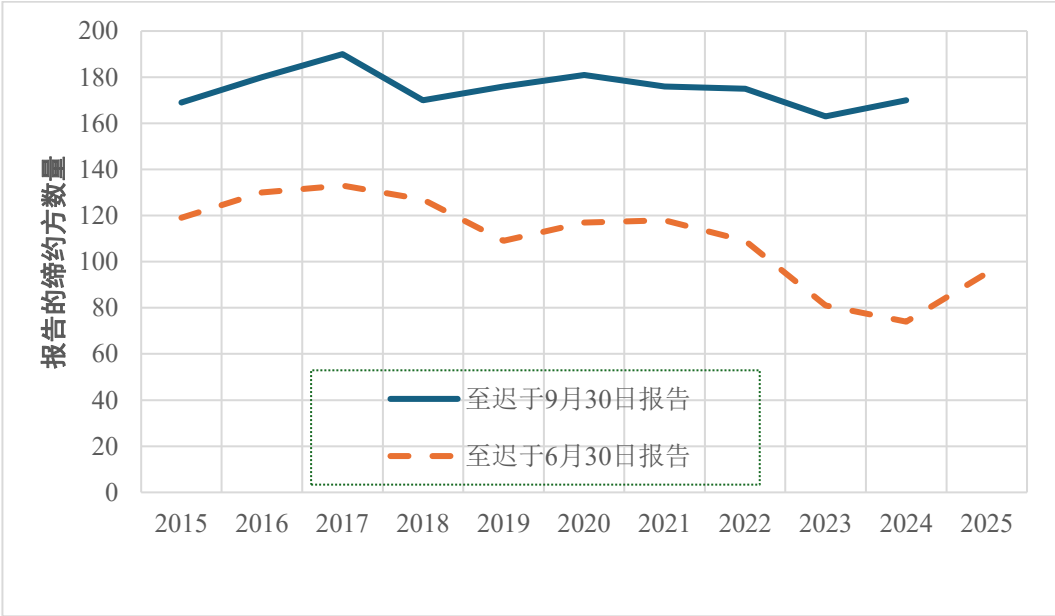
报告 2024 年的数据，其中包括科摩罗、冰岛以及圣多美和普林西比，这些缔约方在第 XXXVII/8 号决定中被列为未提交第 7 条第 3 款规定数据的其他缔约方。

表 2
2016–2025 年报告第 7 条数据的缔约方数量

	需要报告 的缔约方 数量	迄今已报告的缔约方数量						尚未报告 的缔约方 数量
		共计	至迟于 9 月 30 日	至迟于 6 月 30 日	在线	第 5 条	非第 5 条	
2025	198	136	不适用	95	97	103	33	62
2024	198	197	170	74	128	146	51	1
2023	198	198	163	81	115	147	51	–
2022	198	198	175	109	117	147	51	–
2021	198	198	176	118	112	147	51	–
2020	198	198	181	117	105	147	51	–
2019	198	198	176	109	105	147	51	–
2018	197	197	170	127	17	147	50	–
2017	197	197	190	133	7	147	50	–
2016	197	197	180	130	4	147	50	–

6. 图 1 显示了在数据有关年度结束后九个月内（至迟于 9 月 30 日）报告数据的缔约方和年度结束后六个月内（至迟于 6 月 30 日）报告数据的缔约方的年度数量趋势。履行委员会第六十次会议要求提交数据报告及时性趋势的信息，现按此要求提供这一信息。

图 1
依照《蒙特利尔议定书》第 7 条第 3 款规定及时报告年度数据的情况



量统计数据，并就每一种物质分别提供用作原料的数量、使用缔约方核准的技术加以销毁的数量以及缔约方和非缔约方的进出口贸易数据。第 7 条第 3 款进一步规定，缔约方应在数据有关年度结束后九个月内提供这些数据。然而，第 XV/15 号决定鼓励缔约方至迟于 6 月 30 日向秘书处提交这些数据。

7. 表3列出了最近批准了《蒙特利尔议定书基加利修正》、应按要求提交氢氟碳化物基线数据但尚未提交的缔约方。秘书处已联系截止日期已过的缔约方，提醒其应当提交数据。

表 3
已批准《蒙特利尔议定书基加利修正》但尚未提交氢氟碳化物基线数据的缔约方

缔约方	《基加利修正》的批准日期	《基加利修正》生效	氢氟碳化物数据尚未提交的基线年*	要求提交氢氟碳化物基线数据的截止日期
1. 阿塞拜疆	2025 年 11 月 24 日	2026 年 2 月 22 日	2011、2012、2013	2026 年 5 月 22 日
2. 中非共和国	2025 年 10 月 15 日	2026 年 1 月 13 日	2020、2021、2022	2026 年 4 月 13 日
3. 马达加斯加	2026 年 8 月 10 日	2026 年 11 月 8 日	2020、2021、2022	2027 年 2 月 8 日
4. 毛里塔尼亚	2025 年 11 月 11 日	2026 年 2 月 9 日	2020、2021、2022	2026 年 5 月 9 日
5. 尼泊尔	2025 年 8 月 6 日	2025 年 11 月 4 日	2020、2021、2022	2026 年 2 月 4 日
6. 圣基茨和尼维斯	2025 年 8 月 29 日	2025 年 11 月 27 日	2020、2021、2022	2026 年 2 月 27 日

* 表中仅列出了不按第 XXX/11号决定规定推迟的年份。

8. 计算生产量和消费量数据载于附件四至附件七，具体如下：

(a) 附件四载列按缔约方分类（第 5 条缔约方或非第 5 条缔约方）划分的 2025 年受控物质的计算生产量和消费量；

(b) 附件五载列按缔约方分类（第 5 条缔约方或非第 5 条缔约方）划分的 2024 年受控物质的计算生产量和消费量；

(c) 附件六载列 2024 年和 2025 年按联合国各区域组划分的受控物质计算生产量和消费量汇总摘要信息；

(d) 附件七载列按缔约方分类（第 5 条缔约方或非第 5 条缔约方）划分的汇总摘要信息，对 2024 年和 2025 年受控物质的计算生产量、进口量和出口量进行比较。

9. 关于回收受控物质贸易的详情或摘要信息³载于附件八和附件九，具体如下：

(a) 附件八载列按缔约方分类（第 5 条缔约方或非第 5 条缔约方）划分的 2024 年和 2025 年新的和回收的受控物质进口量和出口量摘要信息；

(b) 附件九按物质和缔约方载列、按缔约方分类（第 5 条缔约方或非第 5 条缔约方）划分的关于 2024 年和 2025 年缔约方进口和出口回收受控物质的信息。

10. 附件十载列第 XXXI/5 号决定第 2 段要求提供的、关于实验室和分析用途的臭氧消耗物质生产和消费的摘要信息。应当指出，除附件 F 第一和第二类之

³ 《蒙特利尔议定书》第 7 条第 3 款之二规定，每一缔约方向秘书处提供关于其经过再循环的附件 A 第二类 and 附件 C 第一类所列每一种受控物质每年进口和出口的单独统计数据。

外，根据第 XXXI/5 号决定第 1 段，所有附件和类别中的受控物质的实验室和分析用途的全球豁免无限期有效。

C. 2024 年控制措施遵守情况

11. 表 4 列出了履行委员会第七十六次会议或缔约方第三十七次会议未审议的、超过 2024 年规定限值的受控物质计算消费量的情况，未审议或未完成审议的原因或是没有及时收到所需的部分或全部资料，或是关于超额消费或生产情况的信息被指定为有待澄清。根据委员会第七十六次会议后收到的资料，提供了这些案例的最新情况。该表最后一栏酌情提供了说明或备注。

表 4
计算消费量超出《议定书》2024 年削减时间表允许数量的情况及相关说明

附件 E 第一类消费量（单位为臭氧消耗 潜能吨）和附件 F 消费量 （单位为二氧化碳当量吨）					
缔约方	附件/ 类别 ^a	基线	2024 年 议定书限额	2024 年 消费量	说明或备注
1. 佛得角	附件 F	38 791	38 791	108 546	有待澄清
2. 厄立特里亚	附件 F	169 249	169 249	169 245	根据第 VI/5 号决定第 3 段，更正了之前报告的 2024 年消费量 169 266 二氧化碳当量吨
3. 几内亚	附件 F	1 798 954	1 798 954	1 836 016	有待澄清
4. 莫桑比克	附件 F	655 255	655 255	652 110	根据第 VI/5 号决定第 3 段，更正了之前报告的 2024 年消费量 1 184 182 二氧化碳当量吨
5. 纳米比亚	附件 F	774 924	774 924	600 368	根据第 VI/5 号决定第 3 段，更正了之前报告的 2024 年消费量 916 622 二氧化碳当量吨
6. 圣卢西亚	附件 F	83 735	83 735	104 747	根据第 XXXV/16 号决定，推迟了对履约状况的审议
7. 斯里兰卡	附件 E 第一类	4.1	0.0	0.0	根据第 VI/5 号决定第 3 段，更正了之前报告的 2024 年消费量 34 臭氧消耗潜能吨，并确认其用于检疫和装运前用途
8. 乌干达	附件 F	39 432	39 432	35 728	根据第 VI/5 号决定第 3 段，更正了之前报告的 2024 年消费量 94 318 二氧化碳当量吨

^a 附件 E 第一类物质为甲基溴，附件 F 物质为氢氟碳化物。

D. 非第 5 条缔约方 2025 年遵守控制措施情况

12. 表 5 列出了非第 5 条缔约方迄今报告的 2025 年受控物质消费量超出规定限额的所有情况，以及秘书处或缔约方酌情提供的说明或澄清。

表 5
消费量超出《议定书》2025 年非第 5 条缔约方削减时间表允许数量的情况及相关说明

缔约方	附件/类别 ^a	以臭氧消耗潜能吨计量的消费量			说明或备注
		基线	2025 年 议定书限额	2025 年 消费量	
日本	附件 B 第二类	74 879.2	0.0	7.9	实验室和分析用途

^a 附件 B 第二类物质为四氯化碳。

13. 表 6 列出了非第 5 条缔约方迄今报告的 2025 年受控物质计算生产量超出规定限额的所有情况，以及秘书处或缔约方酌情提供的说明或澄清。

表 6
计算生产量超出《议定书》2025 年非第 5 条缔约方削减时间表允许数量的情况及相关说明

缔约方	附件/ 类别 ^a	以臭氧消耗潜能吨计量的生产量			说明或备注
		基线	2025 年 议定书限额	2025 年 计算生产量	
日本	附件 B 第二类	19 602.0	0.0	7.9	实验室和分析用途
荷兰王国	附件 B 第二类	0.0	0.0	1.6	无意产生的副产品：储存起来以便在今后某一年份销毁（第 XVIII/17 和第 XXII/20 号决定设想方案(a)）

^a 附件 B 第二类物质为四氯化碳。

14. 如表 5 和表 6 所示，迄今为止，已有两个非第 5 条缔约方报告了 2025 年受控物质的消费量和/或生产量超出了规定限值。其中一个偏离情况涉及豁免用途，另一案例属于第 XVIII/17 和 XXII/20 号决定的规定范围。因此，这两个案例都不需要委员会审议。

E. 第 5 条缔约方 2025 年遵守控制措施情况

15. 表 7 列出了迄今为止报告的所有受控物质消费量超过第 5 条缔约方 2025 年规定限额的案例。

表 7
消费量超出《议定书》2025 年第 5 条缔约方削减时间表允许数量的情况

缔约方	附件/ 类别 ^a	以臭氧消耗潜能吨计量的消费量			说明或备注
		基线	2025 年 议定书限额	2025 年 消费量	
1. 阿根廷	附件 E 第一类	411.3	0.0	19.2	有待澄清
2. 刚果	附件 C 第一类	10.14	3.30	3.58	有待澄清
3. 赤道几内亚	附件 C 第一类	6.31	2.05	4.63	有待澄清

缔约方	附件/ 类别 ^a	以臭氧消耗潜能吨计量的消费量			说明或备注
		基线	2025 年 议定书限额	2025 年 消费量	
4. 马里	附件 F	399 935	399 935	1 571 571	有待澄清
5. 蒙古	附件 F	57 309	57 309	67 925	有待澄清
6. 萨摩亚	附件 F	20 557	20 557	28 660	有待澄清

^a 附件 C 第一类物质为含氢氯氟烃，附件 E 第一类物质为甲基溴，附件 F 物质为氢氟碳化物。

F. 2025 年获准的关键用途豁免的核算

16. 只有一个缔约方获得了 2025 年关键用途豁免。表 8 总结了关于这些豁免和通知的信息，包括关于根据 Ex.I/4 号决定（第 9 (f)段）和第 XVI/6 号决定提交相应核算报告的情况。⁴

表 8
授予缔约方的 2025 年甲基溴关键用途豁免和紧急用途通知

缔约方	豁免数量（公吨）	决定	核算报告的提交情况
加拿大	2.85	XXXVI/8	已提交

G. 报告出口及其目的地国（第 XVII/16 和第 XXX/12 号决定）

17. 表 9 概括介绍了缔约方 2012 年至 2024 年报告的出口数量⁵和报告此类出口的缔约方数量，以及关于目的地国说明的信息。

表 9
报告出口和目的地国的信息

年份	报告的出口数量			报告出口的缔约方数量			
	共计 （公吨）	具体说明 目的地国 （公吨）	具体说明 目的地国 （公吨）	所有 缔约方	具体说明 某些或所 有出口的 目的地国	未具体说明 目的地国	出口缔约方 报告的目的 地缔约方 数量
2024	642 927	636 513	99.0	52	44	8	161
2023	688 938	688 775	100.0 ^a	44	40	4	160
2022	730 050	729 359	99.9	41	37	4	158
2021	649 549	602 921	92.8	41	36	5	162
2020	562 754	539 027	95.8	37	32	5	158
2019	238 935	209 320	87.6	38	30	8	146
2018	197 686	168 350	85.2	32	28	4	136
2017	198 316	196 311	99.0	28	28	0	130
2016	211 308	209 747	99.3	32	31	1	138
2015	204 855	203 687	99.4	28	28	0	132

⁴ Ex.I/4 号决定（第 9 (f)段）和第 XVI/6 号决定规定，提名甲基溴关键用途豁免必须提交核算报告。

⁵ 缔约方第十七次会议在第 XVII/16 号决定中请秘书处修订报告格式，以涵盖所有受控物质的出口和再出口情况，并敦促各缔约方迅速推行经修订的报告格式。在统计数据中，秘书处剔除了单个欧洲联盟成员国所报告的出口数据，以避免与欧洲联盟代表各成员国报告的出口重复。

年份	报告的出口数量			报告出口的缔约方数量			
	共计 (公吨)	具体说明 目的地国 (公吨)	具体说明 目的地国 (公吨)	所有 缔约方	具体说明 某些或所 有出口的 目的地国	未具体说明 目的地国	出口缔约方 报告的目的 地缔约方 数量
2014	240 759	236 808	98.4	30	29	1	129
2013	343 689	240 315	69.9	31	30	1	130
2012	385 371	278 457	72.3	35	31	4	140

^a 从 99.98%四舍五入。

18. 2026 年 5 月，秘书处根据第 XVII/16 号决定向被出口缔约方列为目的地国的 161 个缔约方分发了涵盖 2024 年报告数据的汇总信息。⁶

H. 报告进口及其来源国（第 XXIV/12 和第 XXX/12 号决定）

19. 表 10 概括介绍了缔约方 2012 年至 2024 年报告的进口数量⁷和报告此类进口的缔约方数量，以及关于来源国说明的信息。

20. 针对已向秘书处表示希望收到 2024 年进口信息的 25 个缔约方，秘书处根据第 XXIV/12 号决定于 2026 年 4 月向其发送了汇编信息。⁸ 其中一个缔约方在 2014 年提交了一份长期有效的请求，要求在信息汇编完毕后立刻向其提供。这 25 个缔约方是 2024 年期间被进口缔约方列为出口国的 71 个缔约方的一部分，秘书处已致函这些缔约方，邀请其如有兴趣则可索取与之相关的汇编信息。

表 10

报告进口和来源国的信息

年份	报告的进口数量			报告进口的缔约方数量			
	共计 (公吨)	具体说明 来源国 (公吨)	具体说明 来源国 (百分比)	所有 缔约方	具体说明某些 或所有进口的 来源国	未具体 说明来 源国	进口缔约方 报告的来源 缔约方数量
2024	607 251	435 750	72.0	167	96	71	71
2023	627 903	513 750	81.8	168	89	79	69
2022	662 757	431 207	65.4	168	91	77	66
2021	537 246	328 902	61.9	170	90	80	63
2020	477 686	277 921	58.7	168	82	86	58
2019	429 575	307 427	71.6	165	81	84	58
2018	264 675	146 115	55.2	161	59	102	42
2017	191 089	116 970	61.2	161	55	106	37
2016	212 135	135 930	64.1	162	57	105	43
2015	213 206	113 901	53.4	160	51	109	39
2014	250 393	148 825	59.0	164	46	118	35

⁶ 缔约方第十七次会议在第 XVII/16 号决定第 4 段请秘书处向相关进口缔约方报告所收到的来自出口/再出口缔约方的汇总信息。

⁷ 缔约方第二十四次会议在第 XXIV/12 号决定第 1 段中请秘书处修订报告格式，纳入一份附件，以便提交报告的缔约方可自愿指明报告为进口的任何受控物质的出口缔约方。

⁸ 缔约方第二十四次会议第 XXIV/12 号决定第 2 段请秘书处每年 1 月按附件和类别汇编进口/再进口缔约方提交的与受控物质有关的汇总信息，并仅应要求向相关出口缔约方单独提供此类信息。

年份	报告的进口数量			报告进口的缔约方数量			
	共计 (公吨)	具体说明 来源国 (公吨)	具体说明 来源国 (百分比)	所有 缔约方	具体说明某些 或所有进口的 来源国	未具体 说明来 源国	进口缔约方 报告的来源 缔约方数量
2013	418 609	115 242	28.0	168	42	126	29
2012	468 993	146 829	31.0	169	32	137	36

I. 2024 年和 2025 年由储存造成的计算生产量和消费量超额情况综合记录（第 XVIII/17 和第 XXII/20 号决定）

21. 根据第 XVIII/17 和第 XXII/20 号决定，秘书处维护关于储存造成的计算生产量和消费量超额情况综合记录的信息，⁹ 如本报告附件十一所示。
22. 2024 年，欧洲联盟、法国、以色列和西班牙这四个缔约方报告了五个案例。所有四个缔约方都确认，它们已经制定了必要的措施和条例，以防止储存的物质转用于未经授权的用途。
23. 截至本报告日期，已报告了一起 2025 年因库存导致计算生产量超额的案例。

J. 报告 2024 年和 2025 年加工剂用途（第 X/14、XXI/3、XXXI/6 和 XXXII/5 号决定）

24. 第 XXI/3 号决定请秘书处提请履行委员会注意未报告受控物质加工剂用途的情况，以供其审议。
25. 仅四个缔约方（中国、欧洲联盟、以色列和美利坚合众国）仍报告关于将受控物质用作加工剂的信息。关于加工剂用途的最新限额的信息载于第 XXXI/6 号决定附件的表 B。¹⁰
26. 所有这四个缔约方都提交了所要求的 2024 年信息，委员会在第七十四和第七十六次会议上对其进行了审查。
27. 截至目前，上述缔约方中只有两个提交了 2025 年加工剂用途报告。表 11 列出了秘书处对所提交信息的摘要审查。

⁹ 缔约方第十八次会议和缔约方第二十二次会议分别第 XVIII/17 和第 XXII/20 号决定中请秘书处维护一份综合情况记录，记录缔约方在根据《议定书》第 7 条报告数据时指明的因储存在报告年度生产的受控物质而导致的生产量和消费量超额情况，储存原因为：(a) 供未来年份国内销毁或出口销毁；(b) 供未来年份用于国内原料用途或出口用于该用途；或 (c) 供未来年份出口以满足发展中国家的国内基本需求。

¹⁰ 摘自第 XXXI/6 号决定附件关于加工剂用途限制的表 B：

缔约方	补给或消费量 (公吨每年)	最大排放量 (公吨每年)
中国	1 103.0	313
欧洲联盟	921.0	15
以色列	3.5	0
美利坚合众国	2 300.0	181

表 11
已报告的 2025 年加工剂用途信息审查

缔约方	排放量已报告且 未超过限额	控制技术已报告	用于加工剂用途的 产量或进口量已报告
欧洲联盟	是，未超限额	是	是
美利坚合众国	是，未超限额	是	否

K. 已淘汰受控物质的报告生产量

28. 已淘汰受控物质¹¹的报告生产量信息列于本报告附件十二。
29. 表 12 总结了仍在生产已超过淘汰期限的物质的缔约方提供的 2024 年信息。总生产量少于半公吨的物质通常用于实验室和分析等豁免用途，不包含在总结表中。

表 12
已淘汰受控物质的 2024 年生产量
(公吨)

	附件/类别 ^a							共计
	附件 A 第一类	附件 A 第二类	附件 B 第二类	附件 B 第三类	附件 C 第二类	附件 C 第三类	附件 E 第一类	
报告的缔约方数量	6	4	14	3	3	3	6	15
所有用途总报告产量	179 037	1 843	352 946	46 781	3	3 254	12 106	595 970
用于自身原料用途的 产量	178 988	1 543	319 093	46 667	1	2 131	2 978	551 401
用于自身必要或关 键用途的产量	—	—	96	—	—	—	—	96
用于原料用途出口的 产量	3	300	23 843		1	1 086	61	25 294
生产者销毁的数量	395	14	10 841	480	—	15	7	11 751
用于检疫和装运前用 途的产量 ^b	—	—	—	—	—	—	8 935	8 935

^a 附件 A 第一类物质为全氯氟烃；附件 A 第二类物质为哈龙；附件 B 第二类物质为四氯化碳。附件 B 第三类物质为 1,1,1-三氯乙烷（甲基氯仿）；附件 C 第二类物质为氟溴烃；附件 C 第三类物质为溴氯甲烷；附件 E 第一类物质为甲基溴。

^b 用于检疫和装运前用途的生产量包括国内使用量和生产用于出口的数量。

30. 2024 年报告的淘汰物质产量将近 596 000 公吨，其中全氯氟烃、四氯化碳和甲基氯仿分别占产量的 30%、59%和 8%，共计 97%。共有 93%的总产量用于原料用途，而甲基溴产量全部用于检疫和装运前用途。

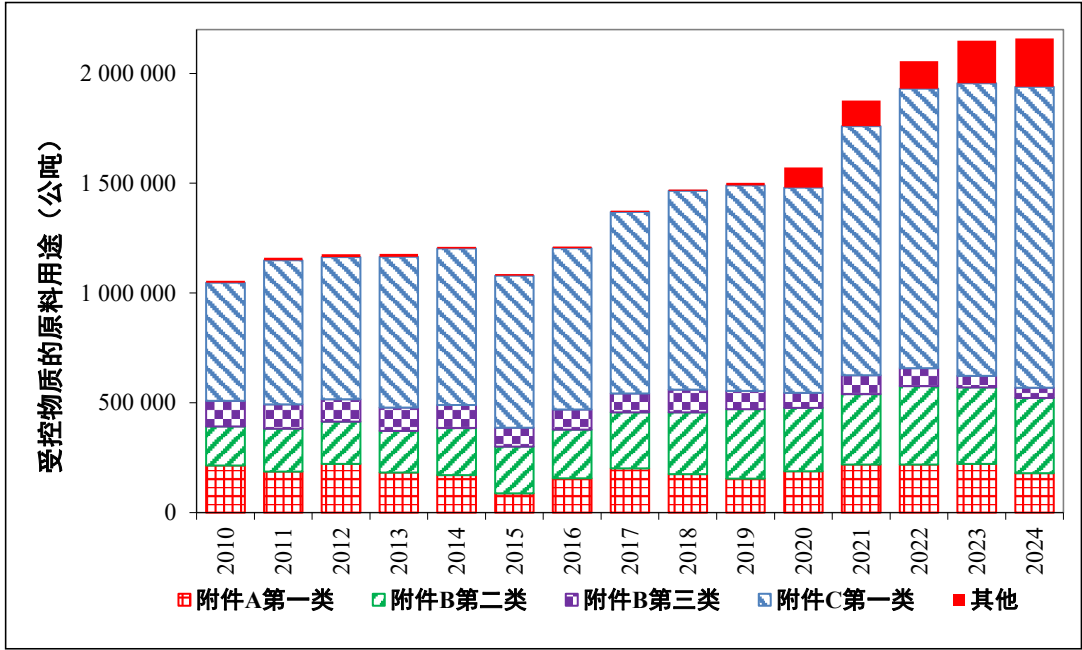
¹¹ 根据控制措施，除缔约方会议豁免的用途之外，所有缔约方应于 2010 年之前逐步淘汰全氯氟烃（附件 A 第一类和附件 B 第一类）、哈龙（附件 A 第二类）和四氯化碳（附件 B 第二类）的生产和消费。同样，除缔约方会议豁免的用途之外，所有缔约方应于 2015 年之前逐步淘汰甲基氯仿（附件 B 第三类）和甲基溴（附件 E 第一类）的生产和消费。此外，附件 C 第二类物质（氟溴烃）和第三类物质（溴氯甲烷）分别于 1996 和 2002 年在列入《议定书》之后立刻被淘汰。

L. 受控物质的报告原料用途

31. 本分节概述了关于用于原料用途的受控物质数量的信息。¹² 本报告附件十三载列了关于用于原料用途的受控物质数量¹³的已报告信息，附件十四则列出了报告受控物质原料用途的缔约方数量。

32. 图2通过条形图显示了按附件和类划分的用于原料用途的受控物质数量，图3则展示了报告受控物质用作原料的缔约方数量。

图 2
用于原料用途的受控物质数量（公吨）

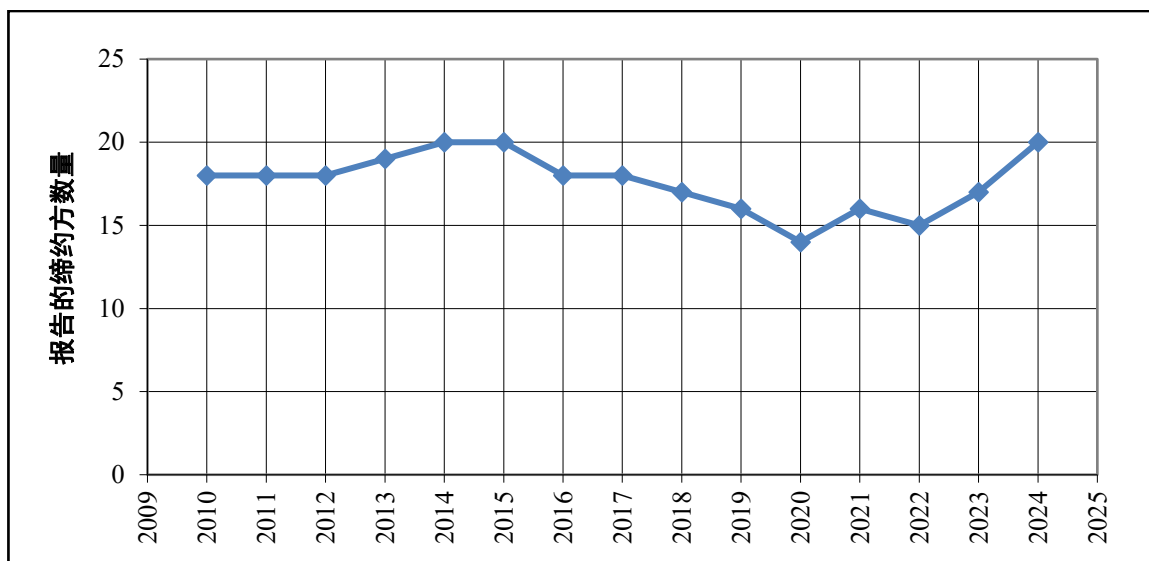


注：“其他”类别包括附件 A 第二类所列物质；附件 B 第一类；附件 C 第二类；附件 C 第三类；附件 E 第一类；附件 F。

¹² 《蒙特利尔议定书》第 1 条规定，在计算生产量和消费量时应减去完全用作其他化学品制造原料的受控物质的数量，因此将其排除在控制措施以外。

¹³ 一个国家用于原料用途的受控物质的数量，是该国为原料用途生产的受控物质的数量与用于原料用途的受控物质进口量的总和。

图 3
报告将受控物质用于原料用途的缔约方数量

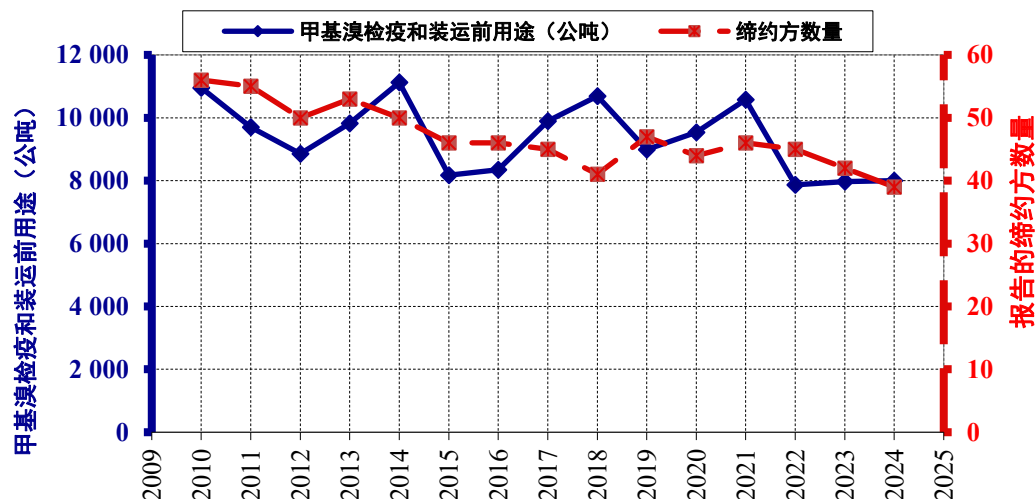


M. 已报告的甲基溴检疫和装运前用途

33. 为便于审议甲基溴检疫和装运前用途问题，¹⁴ 本报告附件十五的表格中列出了不为零的甲基溴检疫和装运前用途数据，这些数据由各缔约方根据第 7 条报告，以公吨为单位。

34. 图 4 显示了 2010 年至 2024 年全球甲基溴检疫和装运前用途的总体趋势。

图 4
用于检疫和装运前用途的甲基溴数量



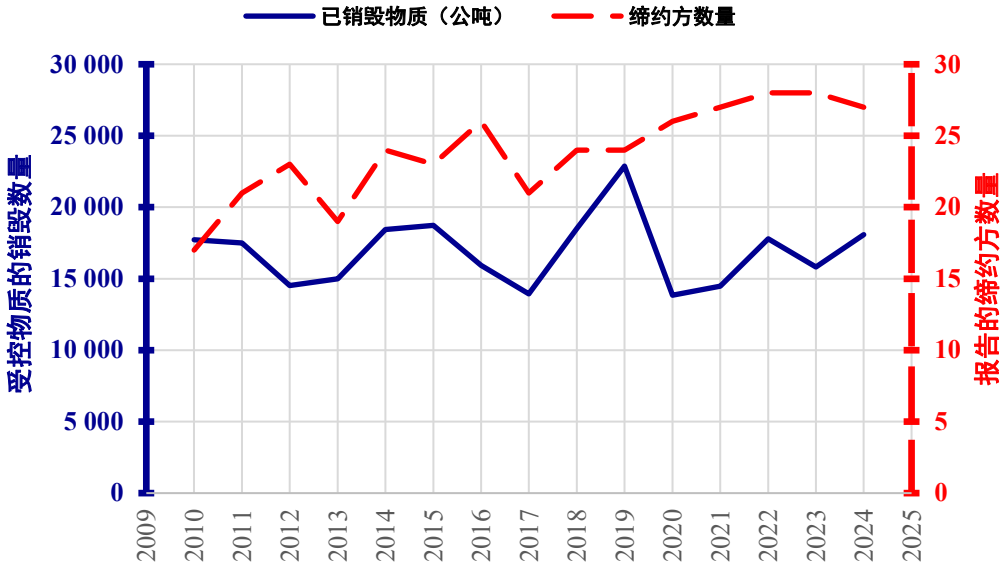
¹⁴ 《议定书》第 2H 条第 6 款规定，该条下生产和消费计算数量不应包括缔约方用于检疫和装运前用途的数量，意即该数量排除在控制措施以外。

N. 受控物质的报告销毁量

35. 为便于审议已销毁的受控物质问题，¹⁵ 附件十六的表格列出了不为零的受控物质销毁数据，这些数据由各缔约方根据第 7 条报告。各缔约方的年度数据是当年报告的所有物质的总和，以公吨为单位。

36. 图 5 显示了 2010 年至 2024 年期间全球销毁的受控物质总量。

图 5
受控物质的销毁数量



O. 缔约方对第 XXIV/14、XXIX/18 和 XXX/14 号决定（第 7 条数据报告表中应填零补格）的回应

37. 本分节概述了关于缔约方回应第 XXIV/14、XXIX/18 和 XXX/14 号决定的信息。¹⁶ 表 13 显示提交了第 7 条数据的缔约方数量、缔约方提交数据的手段，以及提交了含空白单元格的报告表与对秘书处后续澄清要求作出回应的缔约方数量和比例。

38. 值得注意的是，如表 13 所示，一些缔约方使用在线报告系统，另一些缔约方使用经核准的第 7 条数据报告表格，还有一些缔约方在报告数据时不使用缔约方会议决定中商定的第 7 条数据报告表格。一些生产量和消费量为零或进口量很少的缔约方有时会以信件方式告知秘书处，而非使用第 7 条报告表，而部分第 5 条缔约方则使用执行蒙特利尔议定书多边基金秘书处的国家方案表提交其第 7 条数据。如缔约方使用国家方案表提交，秘书处会提取进口、出口和生产信息，将其记录为正式报告的第 7 条数据，并请相关缔约方使用在线报告

¹⁵ 1987 年 9 月 16 日通过、1989 年 1 月 1 日生效的《蒙特利尔议定书》第 1 条规定，在计算生产量和消费量时应减去销毁的受控物质数量。然而，根据 1990 年 6 月 29 日通过、1992 年 8 月 10 日生效的《议定书伦敦修正》，《议定书》第 7 条正式要求报告使用缔约方核准的技术加以销毁的数量。

¹⁶ 缔约方第二十四次会议在第 XXIV/14 号决定中请缔约方在报告生产量、进口量、出口量或销毁量时，在其提交的数据报告表上的每个单元格中填入数字，包括酌情填入数字零，而不是保留空白单元格。该次会议还请秘书处要求所有提交含有空白单元格报告表的缔约方作出澄清。缔约方第二十九和第三十次会议分别第 XXIX/18 和第 XXX/14 号决定中向缔约方重申了这一要求。

系统或经核准的第 7 条数据报告表格（最近在第 XXXVI/12 号决定中更新）重新提交数据。

表 13

缔约方对关于第 7 条数据报告中应填零补格的第 XXIV/14、XXIX/18 和 XXX/14 号决定的回应

活动描述	2020	2021	2022	2023	2024
报告年度数据（缔约方数量）	198	198	198	198	197
使用在线报告系统或第 7 条数据报告表以外的方式（如电子邮件、问卷、信函、数据表格 1 附件、国家方案表）提交数据（缔约方数量）	41	30	17	15	8
使用在线报告系统至少提交了一次第 7 条数据（缔约方数量）	105	112	117	115	128
使用报告表提交第 7 条数据，但从未使用在线报告系统（缔约方数量）	52	56	64	68	61
提交了含空白单元格的第 7 条数据报告表（缔约方数量）	15	16	9	15	8
提交了含空白单元格的第 7 条数据报告表（比例）	8	8	5	8	4
作了澄清或提供了替代不完整表格的不同表格（缔约方数量）	15	16	9	15	8
作了澄清或提供了替代不完整表格的不同表格（比例）	100	100	100	100	100

P. 修订氢氟碳化物基线数据（第 XIII/15 和第 XV/19 号决定）

39. 履行委员会第七十六次会议审议了四项关于修订氢氟碳化物基线数据的请求。表 14 和表 15 总结了与这些请求相关的信息。

表 14

建议履行委员会第七十六次会议核准的氢氟碳化物基线数据的修订请求

缔约方/年份	先前的氢氟碳化物数据 (二氧化碳当量吨)			拟议的新氢氟碳化物数据 (二氧化碳当量吨)		
	2020	2021	2022	2020	2021	2022
伯利兹	73 601	1 137 903	121 648	74 940	112 035	128 839

表 15

提交履行委员会第七十六次会议并仍在审议的氢氟碳化物基线数据的修订请求

缔约方/年份	先前的氢氟碳化物数据 (二氧化碳当量吨)			拟议的新氢氟碳化物数据 (二氧化碳当量吨)		
	2020	2021	2022	2020	2021	2022
亚美尼亚	195 790	317 041	465 778	526 204	568 809	682 249
马里	81 130	50 780	106 988	1 414 693	1 079 923	1 026 175
索马里	—	—	348 650	—	—	949 474

40. 应南非的请求，履行委员会商定将审议该缔约方关于修订其氢氟碳化物基线数据的请求的工作从第七十六次会议推迟到第七十七次会议，以便该缔约方有更多时间审查和确认其数据和辅助文件。
41. 与这些请求相关的更多信息以及秘书处收到的关于修订氢氟碳化物基线数据的任何新请求将提交履行委员会审议。

三、 附件

42. 表 16 列出了本报告的各项附件及其内容说明。附件四至附件十六未经正式编辑，仅有英文版。

表 16
本报告的各项附件

附件	说明
一	生产量和消费量的计算方式
二	与《蒙特利尔议定书》及其修正相关的主要义务
三	2024 年和 2025 年所有缔约方的控制措施
四	受控物质的计算生产量和消费量：2025 年与基线比较：(a) 所有缔约方概述；(b) 非第 5 条缔约方；(c) 第 5 条缔约方
五	受控物质的计算生产量和消费量：2024 年与基线比较：(a) 所有缔约方概述；(b) 非第 5 条缔约方；(c) 第 5 条缔约方
六	按区域概述受控物质的计算生产量和消费量：(a) 2025 年与基线比较；(b) 2024 年与基线比较
七	受控物质的计算生产量、进口量和出口量——所有缔约方概述：(a) 2025 年与基线比较；(b) 2024 年与基线比较
八	新的和回收的受控物质的已报告进出口情况：所有缔约方(a) 2025 年和(b) 2024 年概述
九	(a) 2025 年和(b) 2024 年回收受控物质的已报告进出口情况
十	概述受控物质的实验室和分析用途趋势
十一	根据第 XVIII/17 和第 XXII/20 号决定编制的储存造成的计算生产量或消费量超额情况综合记录
十二	已淘汰受控物质的报告生产量摘要
十三	已报告的受控物质原料用途摘要
十四	报告受控物质原料用途的缔约方数量
十五	已报告的用于检疫和装运前用途的甲基溴消费量
十六	受控物质的报告销毁量

Annex I

Deriving calculated production and consumption

A. Basic formulas

1. The present section provides information on how the Ozone Secretariat calculates parties' production and consumption of substances controlled under the Montreal Protocol using the information on production, imports, exports and destruction reported by parties under Article 7 of the Protocol.
2. According to the definitions in paragraphs 5 and 6 of Article 1 of the Protocol, the formulas, in their most basic form, for calculating production and consumption, respectively, are as follows:
 - a) $\text{Production} = \text{Amount produced} - \text{amount destroyed} - \text{amount used as feedstock};$
 - b) $\text{Consumption} = \text{Production} + \text{imports} - \text{exports}.$

B. Aggregation of figures weighted by ozone-depleting potential or by global-warming potential

3. The control measures apply to groups of substances rather than to individual substances. According to Article 3 and paragraph 7 of Article 1, consumption and production for each group of substances are calculated by multiplying each component in the formulas (i.e. the amount produced, imports, exports, the amount destroyed and the amount used as feedstock) by the ozone-depleting potential, or the global-warming potential in the case of Annex F substances (hydrofluorocarbons (HFCs)), for each substance in the group and then aggregating the results to obtain a total for the group.

C. Feedstock uses

4. When the parties adopted the data reporting formats in decision IX/28, the reporting of data on feedstock uses was required in three areas: the amounts produced for feedstock uses within the producing country; the amounts imported for feedstock uses within the importing country; and the amounts exported for feedstock uses within the receiving country. Paragraph 1 of decision VII/30 had clarified that controlled substances produced and then exported for feedstock uses should not be included in the calculation of production or consumption by the exporting countries, while paragraph 2 of that decision had clarified that controlled substances used as feedstock should not be included in the calculation of consumption by importing countries.
5. Adjustment of the formulas for the calculation of production and consumption as set out in section A of the present annex to reflect decision VII/30 thus gives the following:
 - (a) $\text{Production} = \text{Total amount produced} - \text{amount destroyed} - \text{amount produced for internal feedstock uses}^{17} - \text{exports for feedstock uses};^{18}$
 - (b) $\text{Consumption} = \text{Production} + (\text{imports} - \text{imports for feedstock uses}) - (\text{exports} - \text{exports for feedstock uses}^2).$

D. Process agents

6. Decision X/14 provides for process-agent uses to be treated in a manner similar to feedstock uses. Thus, process-agent uses should not be taken into account in the calculation of production and consumption. The decision outlines conditions under which the exclusion is applicable, including the uses to which it applies, the parties allowed to make use of it and the maximum emissions and make-up limits for each of those parties.
7. Where the term "feedstock uses" appears in the formulas above, the term "process-agent uses" may be used in a similar way, but only for qualifying parties that satisfy the provisions of

¹⁷ The component "amount produced for internal feedstock uses" is the amount produced for feedstock uses within the producing party.

¹⁸ In the application of paragraph 1 of decision VII/30, exports for feedstock uses are deducted only for parties that report, within the same year, the production and export of a given annex group of substances controlled under the Montreal Protocol.

decision X/14. For example, when a party reports production for process-agent uses, that production is excluded from the calculation of production only if the party is permitted to engage in process-agent uses by a decision of a Meeting of the Parties.

E. Trade with non-parties

8. Paragraph 1 (c) of Article 3 of the Protocol provides that controlled substances exported to non-parties should not be subtracted when calculating the consumption level of the exporting party. For HFCs, however, this provision will apply from 1 January 2033 only, in accordance with paragraph 2 of Article IV of the Kigali Amendment.

F. Quarantine and pre-shipment applications

9. Paragraph 6 of Article 2H excludes methyl bromide used for quarantine and pre-shipment applications from the calculations of consumption and production. In the data reporting forms, parties report the amounts of methyl bromide produced for quarantine and pre-shipment applications (i.e. a single, total production figure for uses within the country and for export) and, separately, the amounts exported for such uses and imported for such uses. It should be noted that the quarantine and pre-shipment exclusion applies only to methyl bromide and is not available for any other controlled substance.

G. Hydrofluorocarbon-23 captured for destruction

10. Paragraph 7.4 of the instructions and guidelines on data reporting, adopted as part of the data reporting forms in decision XXX/10, and updated in decision XXXVI/12, states that the amounts of HFC-23 captured for destruction or for feedstock use will not be counted as production as defined in Article 1. Parties report the amounts of HFC-23 captured for destruction in data form 6.

H. Adjusted formulas

11. Further adjustment of the formulas for calculating production and consumption to take into account the provisions relating to process agents, exports to non-parties and quarantine and pre-shipment uses gives the following:

a) $\text{Production} = \text{Total amount produced} - \text{amount destroyed} - \text{amount produced for internal feedstock uses}^1 - \text{exports for feedstock uses}^2 - \text{production of methyl bromide for quarantine and pre-shipment applications}^{19} - \text{HFC-23 captured for destruction};$

b) $\text{Consumption} = \text{Production} + (\text{imports} - \text{imports for feedstock uses} - \text{imports of methyl bromide for quarantine and pre-shipment applications}) - (\text{exports} - \text{exports for feedstock uses}^2 - \text{exports of methyl bromide for quarantine and pre-shipment applications}^{20} - \text{exports to non-parties}).$

I. Rounding of calculated figures

12. The figures of calculated production and consumption of ozone-depleting substances are rounded to one decimal point in accordance with the guidance provided by the Eighteenth Meeting of the Parties (UNEP/OzL.Pro.18/10, paras. 145–147). Two decimal places have been used, however, in presenting and analysing HCFC data reported after 25 November 2011, as directed by the parties in decision XXIII/30. For HFCs, the calculated figures are rounded to the nearest whole number.

J. Negative values

13. Negative values for calculated production for a given year imply that the quantities destroyed or the quantities exported for feedstock uses exceeded production for that year. Similarly, negative values for calculated consumption indicate that the quantities destroyed or the quantities exported during that year exceeded production and imports for the same year. In both cases, the situation occurs when some or all of the amounts destroyed have come from recycled substances, or some or all of the quantities destroyed or exported have been taken from stockpiles.

¹⁹ Production of methyl bromide for quarantine and pre-shipment applications includes production for use within the producing party and production for export purposes.

²⁰ Exports of methyl bromide for quarantine and pre-shipment applications are deducted only if the exporting party has reported production of methyl bromide for that purpose within the same year.

Annex II

Key obligations associated with the Protocol and its amendments

<i>Instrument</i>	<i>Key obligations</i>
Montreal Protocol	Report Article 7 data for Annex A substances (CFCs and halons) Control production and consumption of Annex A substances (CFCs and halons)
London Amendment	Report Article 7 data for Annex B substances (other halogenated CFCs, carbon tetrachloride and methyl chloroform) and Annex C, group I, substances (HCFCs) Control production and consumption of Annex B substances (other halogenated CFCs, carbon tetrachloride and methyl chloroform) Ban imports and exports of Annex A and Annex B substances (CFCs, halons, carbon tetrachloride and methyl chloroform) to any State not party to the London Amendment
Copenhagen Amendment	Report Article 7 data for Annex C, group I and group II, substances (HCFCs and hydrobromofluorocarbons) and the Annex E, group I, substance (methyl bromide) Control consumption of Annex C, group I, substances (HCFCs) Control production and consumption of Annex C, group II, substances (hydrobromofluorocarbons) and the Annex E, group I, substance (methyl bromide) Ban imports and exports of Annex C, group II, substances (hydrobromofluorocarbons) to any State not party to the Copenhagen Amendment
Montreal Amendment	Establish, implement and report on a system for licensing the import and export of controlled substances Ban imports and exports of the Annex E, group I, substance (methyl bromide) to any State not party to the Montreal Amendment
Beijing Amendment	Control production of Annex C, group I, substances (HCFCs) Report Article 7 data for the Annex C, group III, substance (bromochloromethane) Control production and consumption of the Annex C, group III, substance (bromochloromethane) Ban imports and exports of Annex C, group I, substances (HCFCs) and the Annex C, group III substance (bromochloromethane) from and to any State not party to the Beijing Amendment (for Article 5 parties to the Protocol, the ban relating to the Annex C, group I substances went into effect on 1 January 2013, pursuant to decision XX/9)
Kigali Amendment	Report Article 7 data for Annex F substances (HFCs) Report emissions of the Annex F, group II, substance (HFC-23) Control production and consumption of Annex F substances (HFCs)

Annex III

Control measures for 2024 and 2025 for all Parties

1. The control measures for 2024 and 2025 prescribed under the Montreal Protocol for non-Article 5 parties are summarized in table 1, while those for Article 5 parties are summarized in table 2. The specific control measures applicable to each party depend on ratifications by that party.
2. For all parties, excess production or consumption is allowed for exempted amounts approved for essential uses or critical uses, laboratory and analytical uses. Increased production for satisfying the basic domestic needs of Article 5 parties is allowed under conditions set out in the Protocol. In reviewing compliance, the Ozone Secretariat also takes into account the transfer of production rights between parties, under the terms set out in Article 2 of the Protocol.
3. Excess production and consumption attributable to stockpiling under the scenarios described in decisions XVIII/17 and XXII/20 are recorded for information purposes; parties reporting any such excess production or consumption and meeting the conditions described in decision XXII/20 are not subject to the non-compliance procedure, as directed by the Meetings of the Parties in the aforementioned decisions.
4. For parties that might previously have been in non-compliance and are the subject of decisions outlining those parties' commitments to plans of action with time-specific benchmarks for returning to compliance, the limits and the actions specified in those decisions are used as the primary determinant of the adherence by those parties to their obligations to reduce their production and consumption levels.

Table 1
Control measures for 2024 and 2025 prescribed for non-Article 5 parties*

<i>Annex/group</i>	<i>Control measures for 2024 and 2025 applicable to production and consumption^a</i>
A/I (CFCs), A/II (halons), B/I (other CFCs), B/II (carbon tetrachloride), C/II (hydrobromofluorocarbons), C/III (bromochloromethane) and E/I (methyl bromide)	Total phase-out except for the quantities allowed, approved or exempted by the Protocol or a Meeting of the Parties
C/I (HCFCs)	Total phase-out except for an annual allowance of 0.5 per cent of base-level consumption until 1 January 2030 for use in the four sectors specified in the Protocol
F (HFCs)	No greater than 70 per cent of the baseline ^b

* The specific control measures applicable to each party depend on ratifications by that party of relevant amendments.

^a Except for quantities allowed, approved or exempted by the Protocol or a Meeting of the Parties.

^b For Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan, no greater than 95 per cent of the baseline for 2024 and no greater than 65 per cent of the baseline for 2025, in accordance with paragraph 1 of decision XXVIII/2.

Table 2
Control measures for 2024 and 2025 prescribed for Article 5 parties*

<i>Annex/group(s)</i>	<i>Control measures for 2024 and 2025 applicable to production and consumption^a</i>
A/I (CFCs), A/II (halons), B/I (other CFCs), B/II (carbon tetrachloride), B/III (methyl chloroform), C/II (hydrobromofluorocarbons), C/III (bromochloromethane) and E/I (methyl bromide)	Total phase-out except for the quantities allowed, approved or exempted by the Protocol or a Meeting of the Parties
C/I (HCFCs)	2024: No greater than 65 per cent of the baseline 2025: No greater than 32.5 per cent of the baseline
F (HFCs)	No greater than the baseline ^b

* The specific control measures applicable to each party depend on ratifications by that party of relevant amendments.

^a Except for quantities allowed, approved or exempted by the Protocol or a Meeting of the Parties.

^b Not applicable to Article 5, group 2, parties: Bahrain, India, the Islamic Republic of Iran, Iraq, Kuwait, Oman, Pakistan, Qatar, Saudi Arabia and the United Arab Emirates [for which HFC control measures would begin in 2028].

**Annex IVa- Production and consumption of controlled substances - comparison of 2025 with baseline:
Summary for All Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024–2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011–2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			CONSUMPTION*			
	2025	Base	% Chng	2025	Base	% Chng	Per Cap. Cons.
All Parties - 137 (Population**: 4,106,059)							
AI - Chlorofluorocarbons (CFCs)	-227.0	729,718.9	-100	-276.2	676,860.9	-100	0
AII - Halons	-22.0	127,412.0	-100	-22.1	112,959.3	-100	0
BI - Other Fully Halogenated CFCs	0.0	2,741.0	-100	0.0	2,734.5	-100	0
BII - Carbon Tetrachloride (CTC)	-4,870.5	276,353.4	-100	-8,478.6	244,917.3	-100	0
BIII - Methyl Chloroform (TCA)	0.0	38,005.9	-100	0.0	34,663.5	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	128.14	26,168.70	-99.51	2,097.27	29,846.35	-92.97	0.0005
CII - Hydrobromofluorocarbons (HBFCs)	0.0		-100	0.0		-100	0
CIII - Bromochloromethane (BCM)	0.0		-100	-27.4		-100	0
EI - Methyl Bromide (MB)	0.0	5,893.1	-100	7.6	23,096.7	-99.97	0.0000
Subtotal - Summation excludes Annex F	-4,991.36	1,206,293.00	-100	-6,699.43	1,125,078.55	-100	0
F - Hydrofluorocarbons (HFCs)	19,929,814	189,405,976	-89.48	386,069,032	696,498,543	-44.57	94.0242
Article 5 Parties - 104 (Population**: 2,773,066)							
AI - Chlorofluorocarbons (CFCs)	0.0	24,512.1	-100	0.0	65,125.6	-100	0
AII - Halons	0.0	0.0	-100	0.0	6,215.7	-100	0
BI - Other Fully Halogenated CFCs	0.0	0.0	-100	0.0	9.2	-100	0
BII - Carbon Tetrachloride (CTC)	0.0	11,629.6	-100	0.0	1,774.7	-100	0
BIII - Methyl Chloroform (TCA)	0.0	32.4	-100	0.0	311.2	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	131.25	921.60	-85.76	2,089.73	9,014.55	-76.82	0.0008
CII - Hydrobromofluorocarbons (HBFCs)	0.0		-100	0.0		-100	0
CIII - Bromochloromethane (BCM)	0.0		-100	0.0		-100	0
EI - Methyl Bromide (MB)	0.0	0.0	-100	19.2	6,943.2	-99.72	0.0000
Subtotal - Summation excludes Annex F	131.25	37,095.70	-99.65	2,108.93	89,394.15	-97.64	0.0008
F - Hydrofluorocarbons (HFCs)	-420,658	19,711,628	-100	281,532,917	360,334,546	-21.87	101.5241
Non-Article 5 Parties - 33 (Population**: 1,332,993)							
AI - Chlorofluorocarbons (CFCs)	-227.0	705,206.8	-100	-276.2	611,735.3	-100	0
AII - Halons	-22.0	127,412.0	-100	-22.1	106,743.6	-100	0
BI - Other Fully Halogenated CFCs	0.0	2,741.0	-100	0.0	2,725.3	-100	0
BII - Carbon Tetrachloride (CTC)	-4,870.5	264,723.8	-100	-8,478.6	243,142.6	-100	0
BIII - Methyl Chloroform (TCA)	0.0	37,973.5	-100	0.0	34,352.3	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	-3.11	25,247.10	-100	7.54	20,831.80	-99.96	0.0000
CII - Hydrobromofluorocarbons (HBFCs)	0.0		-100	0.0		-100	0
CIII - Bromochloromethane (BCM)	0.0		-100	-27.4		-100	0
EI - Methyl Bromide (MB)	0.0	5,893.1	-100	-11.6	16,153.5	-100	0
Subtotal - Summation excludes Annex F	-5,122.61	1,169,197.30	-100	-8,808.36	1,035,684.40	-100	0
F - Hydrofluorocarbons (HFCs)	20,350,472	169,694,348	-88.01	104,536,115	336,163,997	-68.90	78.4221

**Annex IVb- Production and consumption of controlled substances - comparison of 2025 with baseline:
Non-Article 5 Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024-2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011-2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			CONSUMPTION*			
	2025	Base	% Chng	2025	Base	% Chng	Per Cap. Cons.
Andorra - (Population**: 82)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	3.50	-100	0.00	6.90	-100	0
Subtotal - Summation excludes Annex F	0.00	3.50	-100	0.00	6.90	-100	0
F - Hydrofluorocarbons (HFCs)	0	13,898	-100	14,190	69,107	-79.47	173.0488
Australia - (Population**: 26,845)							
AI - Chlorofluorocarbons (CFCs)	-1.5	15,385.4	-100	-1.5	14,290.4	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	-5.87	587.10	-100	-4.84	548.70	-100	0
Subtotal - Summation excludes Annex F	-7.37	15,972.50	-100	-6.34	14,839.10	-100	0
F - Hydrofluorocarbons (HFCs)	-787,802	1,205,875	-100	4,392,488	10,814,521	-59.38	163.6241
Belgium - (Population**: 11,750)							
BII - Carbon Tetrachloride (CTC)	-4,378.0	26,592.5	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Subtotal - Summation excludes Annex F	-4,378.00	26,592.50	-100				
F - Hydrofluorocarbons (HFCs)	0	0	-100				
Bulgaria - (Population**: 6,737)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	40.90	-100				
Subtotal - Summation excludes Annex F	0.00	40.90	-100				
F - Hydrofluorocarbons (HFCs)	0	61,765	-100				
Canada - (Population**: 39,946)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	819.60	-100	0.00	892.30	-100	0
Subtotal - Summation excludes Annex F	0.00	819.60	-100	0.00	892.30	-100	0
F - Hydrofluorocarbons (HFCs)	0	2,174,370	-100	8,343,831	18,035,516	-53.74	208.8778
Cyprus - (Population**: 1,365)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	4.30	-100				
Subtotal - Summation excludes Annex F	0.00	4.30	-100				
F - Hydrofluorocarbons (HFCs)	0	6,688	-100				
Czechia - (Population**: 10,680)							
BII - Carbon Tetrachloride (CTC)	-16.4	5,285.5	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	107.60	-100				
Subtotal - Summation excludes Annex F	-16.40	5,393.10	-100				
F - Hydrofluorocarbons (HFCs)	-2,673	162,669	-100				
Denmark - (Population**: 5,991)							
CI - Hydrochlorofluorocarbons (HCFCs)	-0.69	68.90	-100				
Subtotal - Summation excludes Annex F	-0.69	68.90	-100				
F - Hydrofluorocarbons (HFCs)	0	118,820	-100				
Estonia - (Population**: 1,354)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	2.80	-100				
Subtotal - Summation excludes Annex F	0.00	2.80	-100				
F - Hydrofluorocarbons (HFCs)	0	5,009	-100				
European Union - (Population**: 506,227)							
AI - Chlorofluorocarbons (CFCs)				-199.0	309,307.6	-100	0
AII - Halons				-22.1	44,882.6	-100	0
BII - Carbon Tetrachloride (CTC)				-8,486.3	51,150.2	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)				0.36	8,436.70	-100.00	0.0000
CIII - Bromochloromethane (BCM)				-27.4		-100	0
EI - Methyl Bromide (MB)				-11.6	10,318.0	-100	0
Subtotal - Summation excludes Annex F				-8,746.04	424,095.10	-100	0
F - Hydrofluorocarbons (HFCs)				33,098,788	163,576,330	-79.77	65.3833
Finland - (Population**: 5,623)							
AII - Halons	-21.8	0.0	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.26	36.50	-100				
Subtotal - Summation excludes Annex F	-22.06	36.50	-100				
F - Hydrofluorocarbons (HFCs)	0	78,600	-100				
France - (Population**: 66,601)							
BII - Carbon Tetrachloride (CTC)	-484.8	5,119.4	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.36	2,337.40	-100				
Subtotal - Summation excludes Annex F	-485.16	7,456.80	-100				
F - Hydrofluorocarbons (HFCs)	-40,023	32,975,001	-100				
Germany - (Population**: 84,409)							
AI - Chlorofluorocarbons (CFCs)	-130.9	123,652.8	-100				
AII - Halons	-0.2	18,134.0	-100				
BII - Carbon Tetrachloride (CTC)	-0.8	8,067.4	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-2.56	3,425.60	-100				
Subtotal - Summation excludes Annex F	-134.46	153,279.80	-100				
F - Hydrofluorocarbons (HFCs)	1,274,559	21,556,537	-94.09				

Greece - (Population**: 9,959)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	235.30	-100				
Subtotal - Summation excludes Annex F	0.00	235.30	-100				
F - Hydrofluorocarbons (HFCs)	0	477.681	-100				
Holy See - (Population**: 1)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.10	-100	0.00	0.20	-100	0
Subtotal - Summation excludes Annex F	0.00	0.10	-100	0.00	0.20	-100	0
F - Hydrofluorocarbons (HFCs)	0	407	-100	509	1.392	-63.43	509.0000
Hungary - (Population**: 9,663)							
AI - Chlorofluorocarbons (CFCs)	-4.1	0.0	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.04	67.90	-100				
Subtotal - Summation excludes Annex F	-4.14	67.90	-100				
F - Hydrofluorocarbons (HFCs)	0	72.881	-100				
Ireland - (Population**: 5,283)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Subtotal - Summation excludes Annex F	0.00	0.00	-100				
F - Hydrofluorocarbons (HFCs)	0	0	-100				
Italy - (Population**: 59,251)							
AI - Chlorofluorocarbons (CFCs)	-6.3	56,656.4	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	1,704.10	-100				
Subtotal - Summation excludes Annex F	-6.30	58,360.50	-100				
F - Hydrofluorocarbons (HFCs)	0	3,182.160	-100				
Japan - (Population**: 123,435)							
BII - Carbon Tetrachloride (CTC)	7.9	19,602.0	-99.96	7.9	74,879.2	-99.99	0.0001
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	5,645.40	-100	0.00	5,554.90	-100	0
Subtotal - Summation excludes Annex F	7.90	25,247.40	-99.97	7.90	80,434.10	-99.99	0.0001
F - Hydrofluorocarbons (HFCs)	19,595.452	50,031.911	-60.83	22,749.522	71,521.258	-68.19	184.3037
Latvia - (Population**: 1,864)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	69.00	-100				
Subtotal - Summation excludes Annex F	0.00	69.00	-100				
F - Hydrofluorocarbons (HFCs)	0	107.215	-100				
Lithuania - (Population**: 2,851)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	77.80	-100				
Subtotal - Summation excludes Annex F	0.00	77.80	-100				
F - Hydrofluorocarbons (HFCs)	0	97.592	-100				
Luxembourg - (Population**: 677)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Subtotal - Summation excludes Annex F	0.00	0.00	-100				
F - Hydrofluorocarbons (HFCs)	0	0	-100				
Monaco - (Population**: 38)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	1.20	-100	0.00	2.40	-100	0
Subtotal - Summation excludes Annex F	0.00	1.20	-100	0.00	2.40	-100	0
F - Hydrofluorocarbons (HFCs)	0		-100	2.088			54.9474
Netherlands (Kingdom of the) - (Population**: 18,292)							
BII - Carbon Tetrachloride (CTC)	1.6	0.0					
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	1,568.70	-100				
Subtotal - Summation excludes Annex F	1.60	1,568.70	-99.90				
F - Hydrofluorocarbons (HFCs)	914	3,342.468	-99.97				
New Zealand - (Population**: 5,234)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	28.00	-100	0.00	56.10	-100	0
Subtotal - Summation excludes Annex F	0.00	28.00	-100	0.00	56.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	76.343	-100	534.913	1,795.965	-70.22	102.1997
Norway - (Population**: 5,604)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	38.00	-100	0.00	76.00	-100	0
Subtotal - Summation excludes Annex F	0.00	38.00	-100	0.00	76.00	-100	0
F - Hydrofluorocarbons (HFCs)	0	138.936	-100	181.850	989.402	-81.62	32.4500
Poland - (Population**: 38,367)							
AI - Chlorofluorocarbons (CFCs)	-8.5	0.0	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.78	97.30	-100				
Subtotal - Summation excludes Annex F	-9.28	97.30	-100				
F - Hydrofluorocarbons (HFCs)	-85.103	221.244	-100				
Portugal - (Population**: 10,420)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Subtotal - Summation excludes Annex F	0.00	0.00	-100				
F - Hydrofluorocarbons (HFCs)	0	0	-100				
Russian Federation - (Population**: 144,435)							
BII - Carbon Tetrachloride (CTC)	0.0	103,290.0	-100	-0.1	103,290.0	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	13.10	4,066.10	-99.68	17.67	3,996.90	-99.56	0.0001
Subtotal - Summation excludes Annex F	13.10	107,356.10	-99.99	17.57	107,286.90	-99.98	0.0001
F - Hydrofluorocarbons (HFCs)	473.822	15,352.188	-96.91	30,925.863	48,729.257	-36.54	214.1161
Slovenia - (Population**: 2,118)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	34.00	-100				
Subtotal - Summation excludes Annex F	0.00	34.00	-100				
F - Hydrofluorocarbons (HFCs)	0	39.123	-100				
Spain - (Population**: 47,905)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	1,345.60	-100				
Subtotal - Summation excludes Annex F	0.00	1,345.60	-100				
F - Hydrofluorocarbons (HFCs)	0	21,286.874	-100				
Sweden - (Population**: 10,633)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	78.60	-100				
Subtotal - Summation excludes Annex F	0.00	78.60	-100				
F - Hydrofluorocarbons (HFCs)	-357	252.936	-100				
United Kingdom of Great Britain and Northern Ireland - (Population**: 69,353)							
AI - Chlorofluorocarbons (CFCs)	-75.7	102,014.4	-100	-75.7	46,218.4	-100	0
BII - Carbon Tetrachloride (CTC)	0.0	14,094.3	-100	-0.1	7,643.1	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	-5.65	2,755.80	-100	-5.65	1,260.70	-100	0
Subtotal - Summation excludes Annex F	-81.35	118,864.50	-100	-81.45	55,122.20	-100	0
F - Hydrofluorocarbons (HFCs)	-78.317	16,655.157	-100	4,292.093	20,631.249	-79.20	61.8876

Annex IVc- Production and consumption of controlled substances - comparison of 2025 with baseline:
Article 5 Parties (ODP/CO2-eq tonnes).

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024-2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011-2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			CONSUMPTION*			
	2025	Base	% Chng	2025	Base	% Chng	Per Cap. Cons.
Afghanistan - (Population**: 43,250)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	7.32	23.60	-68.98	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	7.32	23.60	-68.98	0.0002
Albania - (Population**: 2,782)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.11	6.00	-81.50	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.11	6.00	-81.50	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	871,744	883,849	-1.37	313.3515
Angola - (Population**: 38,459)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.53	16.00	-96.69	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.53	16.00	-96.69	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,228,481	3,878,000	-68.32	31.9426
Antigua and Barbuda - (Population**: 94)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.30	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.30	-100	0
Argentina - (Population**: 45,775)							
CI - Hydrochlorofluorocarbons (HCFCs)	29.80	224.60	-86.73	66.40	400.70	-83.43	0.0015
EI - Methyl Bromide (MB)	0.0	0.0	-100	19.2	411.3	-95.33	0.0004
Subtotal - Summation excludes Annex F	29.80	224.60	-86.73	85.60	812.00	-89.46	0.0019
F - Hydrofluorocarbons (HFCs)	-405,076	4,803,138	-100	5,718,004	19,219,484	-70.25	124.9154
Bahamas - (Population**: 402)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.84	4.80	-82.50	0.0021
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.84	4.80	-82.50	0.0021
F - Hydrofluorocarbons (HFCs)	0	0	-100	96,200	227,203	-57.66	239.3035
Bahrain - (Population**: 1,626)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	13.53	51.90	-73.93	0.0083
Subtotal - Summation excludes Annex F	0.00	0.00	-100	13.53	51.90	-73.93	0.0083
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,018,852			1241.6064
Barbados - (Population**: 283)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.21	3.70	-94.32	0.0007
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.21	3.70	-94.32	0.0007
F - Hydrofluorocarbons (HFCs)	0	0	-100	183,413	295,419	-37.91	648.1025
Belize - (Population**: 420)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.46	2.80	-83.57	0.0011
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.46	2.80	-83.57	0.0011
F - Hydrofluorocarbons (HFCs)	0	0	-100	62,986	502,263	-87.46	149.9667
Benin - (Population**: 14,638)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.38	23.80	-73.19	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	6.38	23.80	-73.19	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,499,852	1,875,057	-20.01	102.4629
Bhutan - (Population**: 794)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.01	0.30	-96.67	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.01	0.30	-96.67	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	10,032	13,105	-23.45	12.6348
Bolivia (Plurinational State of) - (Population**: 12,498)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.04	6.10	-82.95	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.04	6.10	-82.95	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	415,228	677,884	-38.75	33.2236
Botswana - (Population**: 2,542)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.07	11.00	-81.18	0.0008
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.07	11.00	-81.18	0.0008
F - Hydrofluorocarbons (HFCs)	0	0	-100	382,410	389,992	-1.94	150.4367
Brazil - (Population**: 212,423)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	394.81	1,327.30	-70.25	0.0019
Subtotal - Summation excludes Annex F	0.00	0.00	-100	394.81	1,327.30	-70.25	0.0019
F - Hydrofluorocarbons (HFCs)	0	0	-100	56,890,995	72,897,680	-21.96	267.8194
Brunei Darussalam - (Population**: 465)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.44	6.10	-76.39	0.0031
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.44	6.10	-76.39	0.0031
F - Hydrofluorocarbons (HFCs)	0	0	-100	331,969	454,855	-27.02	713.9118
Burkina Faso - (Population**: 23,812)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.20	28.90	-92.39	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.20	28.90	-92.39	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	530,759	1,049,523	-49.43	22.2896
Burundi - (Population**: 14,221)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.45	7.20	-93.75	0.0000

Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.45	7.20	-93.75	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	54,998	207,530	-73.50	3.8674
Cabo Verde - (Population**: 526)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	1.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	1.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	32,031	38,791	-17.43	60.8954
Cambodia - (Population**: 17,745)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.76	15.00	-68.27	0.0003
Subtotal - Summation excludes Annex F	0.00	0.00	-100	4.76	15.00	-68.27	0.0003
F - Hydrofluorocarbons (HFCs)	0	0	-100	809,514	1,263,376	-35.92	45.6193
Cameroon - (Population**: 29,500)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	22.20	88.80	-75.00	0.0008
Subtotal - Summation excludes Annex F	0.00	0.00	-100	22.20	88.80	-75.00	0.0008
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,728,749	4,760,203	-21.67	126.3983
Chad - (Population**: 20,728)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.16	16.10	-67.95	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	5.16	16.10	-67.95	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,226,190	3,573,612	-9.72	155.6441
Colombia - (Population**: 53,163)							
CI - Hydrochlorofluorocarbons (HCFCs)	-0.03	0.00	-100	9.67	225.60	-95.71	0.0002
Subtotal - Summation excludes Annex F	-0.03	0.00	-100	9.67	225.60	-95.71	0.0002
F - Hydrofluorocarbons (HFCs)	-14,738	0	-100	6,346,065	8,652,982	-26.66	119.3700
Comoros - (Population**: 875)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.02	0.10	-80.00	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.02	0.10	-80.00	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	12,734	34,958	-63.57	14.5531
Congo - (Population**: 6,408)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.58	10.14	-64.69	0.0006
Subtotal - Summation excludes Annex F	0.00	0.00	-100	3.58	10.14	-64.69	0.0006
F - Hydrofluorocarbons (HFCs)	0	0	-100	217,008	504,649	-57.00	33.8652
Cook Islands - (Population**: 13)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	5,485	6,461	-15.11	421.9231
Costa Rica - (Population**: 5,142)							
CI - Hydrochlorofluorocarbons (HCFCs)	-0.02	0.00	-100	2.63	14.10	-81.35	0.0005
Subtotal - Summation excludes Annex F	-0.02	0.00	-100	2.63	14.10	-81.35	0.0005
F - Hydrofluorocarbons (HFCs)	-523	0	-100	1,349,032	1,450,799	-7.01	262.3555
Cuba - (Population**: 10,959)							
CI - Hydrochlorofluorocarbons (HCFCs)	-0.01	0.00	-100	1.49	16.90	-91.18	0.0001
Subtotal - Summation excludes Annex F	-0.01	0.00	-100	1.49	16.90	-91.18	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	763,291	1,030,662	-25.94	69.6497
Democratic Republic of the Congo - (Population**: 111,036)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.18	66.21	-98.22	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.18	66.21	-98.22	0.0000
Ecuador - (Population**: 18,213)							
CI - Hydrochlorofluorocarbons (HCFCs)	-0.01	0.00	-100	6.81	23.49	-71.01	0.0004
Subtotal - Summation excludes Annex F	-0.01	0.00	-100	6.81	23.49	-71.01	0.0004
F - Hydrofluorocarbons (HFCs)	-321	0	-100	2,730,306	3,179,294	-14.12	149.9097
Egypt - (Population**: 117,498)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	113.41	386.30	-70.64	0.0010
Subtotal - Summation excludes Annex F	0.00	0.00	-100	113.41	386.30	-70.64	0.0010
F - Hydrofluorocarbons (HFCs)	0	0	-100	11,072,998	19,290,350	-42.60	94.2399
El Salvador - (Population**: 6,352)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.96	11.70	-91.79	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.96	11.70	-91.79	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	664,865	922,362	-27.92	104.6702
Equatorial Guinea - (Population**: 1,915)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.63	6.31	-26.62	0.0024
Subtotal - Summation excludes Annex F	0.00	0.00	-100	4.63	6.31	-26.62	0.0024
F - Hydrofluorocarbons (HFCs)	0	0	-100	48,876			25.5227
Eritrea - (Population**: 3,569)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.35	1.09	-67.89	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.35	1.09	-67.89	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	169,236	169,249	-0.01	47.4183
Eswatini - (Population**: 1,249)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.41	1.73	-76.30	0.0003
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.41	1.73	-76.30	0.0003
F - Hydrofluorocarbons (HFCs)	0	0	-100	74,942	105,500	-28.96	60.0016
Fiji - (Population**: 931)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.31	5.73	-77.14	0.0014
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.31	5.73	-77.14	0.0014
F - Hydrofluorocarbons (HFCs)	0	0	-100	243,546	443,528	-45.09	261.5961
Gabon - (Population**: 2,566)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.94	30.20	-80.33	0.0023
Subtotal - Summation excludes Annex F	0.00	0.00	-100	5.94	30.20	-80.33	0.0023
F - Hydrofluorocarbons (HFCs)	0	0	-100	860,591	2,182,210	-60.56	335.3823
Gambia - (Population**: 2,791)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.19	1.50	-87.33	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.19	1.50	-87.33	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	193,479	271,515	-28.74	69.3225
Georgia - (Population**: 3,808)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.45	5.30	-91.51	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.45	5.30	-91.51	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	477,552	813,152	-41.27	125.4076
Guatemala - (Population**: 18,548)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.38	8.30	-83.37	0.0001

Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.38	8.30	-83.37	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,059,041	1,217,998	-13.05	57.0973
Guinea - (Population**: 14,928)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.30	0.90	-66.67	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.30	0.90	-66.67	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,762,443	1,798,954	-2.03	118.0629
Guinea-Bissau - (Population**: 2,225)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.44	2.83	-84.45	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.44	2.83	-84.45	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	522,940	722,391	-27.61	235.0292
Guyana - (Population**: 834)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.03	1.80	-98.33	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.03	1.80	-98.33	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	111,632			133.8513
Haiti - (Population**: 11,840)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.42	3.63	-88.43	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.42	3.63	-88.43	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.42	3.63	-88.43	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.42	3.63	-88.43	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	86,189			7.2795
F - Hydrofluorocarbons (HFCs)	0	0	-100	86,189			7.2795
Honduras - (Population**: 10,916)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.65	19.90	-86.68	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.65	19.90	-86.68	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,278,987	1,449,723	-11.78	117.1663
Indonesia - (Population**: 284,622)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	109.83	403.90	-72.81	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	109.83	403.90	-72.81	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	15,401,343	23,370,721	-34.10	54.1116
Iran (Islamic Republic of) - (Population**: 92,021)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	45.89	380.50	-87.94	0.0005
Subtotal - Summation excludes Annex F	0.00	0.00	-100	45.89	380.50	-87.94	0.0005
Iraq - (Population**: 46,526)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	33.61	108.40	-68.99	0.0007
Subtotal - Summation excludes Annex F	0.00	0.00	-100	33.61	108.40	-68.99	0.0007
Jamaica - (Population**: 2,839)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.65	16.30	-96.01	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.65	16.30	-96.01	0.0002
Kenya - (Population**: 56,981)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.43	52.20	-95.34	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.43	52.20	-95.34	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,352,478	1,543,824	-12.39	23.7356
Kiribati - (Population**: 136)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	5,705	8,509	-32.95	41.9485
Kuwait - (Population**: 4,985)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	129.29	418.60	-69.11	0.0259
Subtotal - Summation excludes Annex F	0.00	0.00	-100	129.29	418.60	-69.11	0.0259
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,789,288			760.1380
Lebanon - (Population**: 5,826)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	17.76	73.50	-75.84	0.0030
Subtotal - Summation excludes Annex F	0.00	0.00	-100	17.76	73.50	-75.84	0.0030
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,558,689	2,556,533	-39.03	267.5402
Lesotho - (Population**: 2,350)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.35	3.50	-90.00	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.35	3.50	-90.00	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	35,050	103,221	-66.04	14.9149
Liberia - (Population**: 5,672)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.38	5.30	-73.96	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.38	5.30	-73.96	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	121,242	180,909	-32.98	21.3755
Libya - (Population**: 7,420)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	36.19	118.38	-69.43	0.0049
Subtotal - Summation excludes Annex F	0.00	0.00	-100	36.19	118.38	-69.43	0.0049
Malawi - (Population**: 21,934)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.30	10.80	-87.96	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.30	10.80	-87.96	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	149,473	428,435	-65.11	6.8147
Maldives - (Population**: 529)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	4.60	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	4.60	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	332,992	434,219	-23.31	629.4745
Mali - (Population**: 24,835)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.30	15.00	-78.00	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	3.30	15.00	-78.00	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,571,571	399,935	292.96	63.2805
Mauritius - (Population**: 1,270)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.11	8.00	-98.63	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.11	8.00	-98.63	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	619,258	665,957	-7.01	487.6047
Mexico - (Population**: 131,414)							
CI - Hydrochlorofluorocarbons (HCFCs)	101.52	697.00	-85.43	134.05	1,148.80	-88.33	0.0010
Subtotal - Summation excludes Annex F	101.52	697.00	-85.43	134.05	1,148.80	-88.33	0.0010
F - Hydrofluorocarbons (HFCs)	0	14,908,490	-100	40,497,334	76,982,664	-47.39	308.1661
Micronesia (Federated States of) - (Population**: 113)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.20	-100	0

Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.20	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	6,292	13,600	-53.74	55.6814
Mongolia - (Population**: 3,497)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.30	1.40	-78.57	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.30	1.40	-78.57	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	67,925	57,309	18.52	19.4238
Montenegro - (Population**: 638)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.80	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.80	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	131,866	155,854	-15.39	206.6865
Morocco - (Population**: 38,261)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	16.32	51.35	-68.22	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	16.32	51.35	-68.22	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,308,500	3,023,765	-23.65	60.3356
Naoero - (Population**: 12)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.00	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.00	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	237	2,378	-90.03	19.7500
Niger - (Population**: 27,472)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.71	15.98	-70.53	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	4.71	15.98	-70.53	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	554,715	1,222,358	-54.62	20.1920
Nigeria - (Population**: 235,088)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	92.06	344.88	-73.31	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	92.06	344.88	-73.31	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	24,924,704	24,986,406	-0.25	106.0229
Niue - (Population**: 2)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.00	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.00	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	3	236	-98.73	1.5000
Oman - (Population**: 5,398)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.90	31.50	-81.27	0.0011
Subtotal - Summation excludes Annex F	0.00	0.00	-100	5.90	31.50	-81.27	0.0011
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,822,104			337.5517
Pakistan - (Population**: 253,203)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	76.40	248.11	-69.21	0.0003
Subtotal - Summation excludes Annex F	0.00	0.00	-100	76.40	248.11	-69.21	0.0003
F - Hydrofluorocarbons (HFCs)	0	0	-100	12,486,840			49.3155
Palau - (Population**: 18)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.01	0.20	-95.00	0.0006
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.01	0.20	-95.00	0.0006
F - Hydrofluorocarbons (HFCs)	0	0	-100	8,861	10,368	-14.54	492.2778
Panama - (Population**: 4,544)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.62	24.80	-77.34	0.0012
Subtotal - Summation excludes Annex F	0.00	0.00	-100	5.62	24.80	-77.34	0.0012
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,865,356	2,543,386	-26.66	410.5097
Papua New Guinea - (Population**: 10,670)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	3.30	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	3.30	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	327,611	430,238	-23.85	30.7039
Paraguay - (Population**: 6,972)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.90	18.00	-72.78	0.0007
Subtotal - Summation excludes Annex F	0.00	0.00	-100	4.90	18.00	-72.78	0.0007
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,319,772	1,684,582	-21.66	189.2960
Peru - (Population**: 34,401)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.18	26.88	-84.45	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	4.18	26.88	-84.45	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,315,018	2,735,721	-15.38	67.2951
Philippines - (Population**: 116,316)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	45.61	161.98	-71.84	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	45.61	161.98	-71.84	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	8,243,347	11,903,687	-30.75	70.8703
Qatar - (Population**: 3,084)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	28.23	86.90	-67.51	0.0092
Subtotal - Summation excludes Annex F	0.00	0.00	-100	28.23	86.90	-67.51	0.0092
Saint Vincent and the Grenadines - (Population**: 100)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.30	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.30	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	17,599	25,280	-30.38	175.9900
Samoa - (Population**: 219)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.30	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.30	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	28,660	20,557	39.42	130.8676
Sao Tome and Principe - (Population**: 238)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.04	2.20	-98.18	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.04	2.20	-98.18	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	34,040	71,039	-52.08	143.0252
Saudi Arabia - (Population**: 34,264)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	414.77	1,468.70	-71.76	0.0121
Subtotal - Summation excludes Annex F	0.00	0.00	-100	414.77	1,468.70	-71.76	0.0121
F - Hydrofluorocarbons (HFCs)	0	0	-100	30,146,394			879.8270
Senegal - (Population**: 18,716)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.60	36.20	-81.77	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	6.60	36.20	-81.77	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,365,389	2,786,915	-15.13	126.3833
Serbia - (Population**: 6,714)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.59	8.40	-69.17	0.0004

Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.59	8.40	-69.17	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,999,219	3,261,874	-8.05	446,7112
Sevchelles - (Population**: 132)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	1.40	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	1.40	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	176,476	249,400	-29.24	1336.9394
Sierra Leone - (Population**: 8,731)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.25	1.70	-85.29	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.25	1.70	-85.29	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	272,316	350,905	-22.40	31.1896
Solomon Islands - (Population**: 829)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.06	2.00	-97.00	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.06	2.00	-97.00	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	24,911	69,516	-64.17	30.0495
South Africa - (Population**: 64,386)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	68.36	369.70	-81.51	0.0011
Subtotal - Summation excludes Annex F	0.00	0.00	-100	68.36	369.70	-81.51	0.0011
F - Hydrofluorocarbons (HFCs)	0	0	-100	9,513,006	13,843,139	-31.28	147.7496
South Sudan - (Population**: 12,067)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.66	4.10	-83.90	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.66	4.10	-83.90	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	36,465			3.0219
Sudan - (Population**: 50,849)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.64	52.70	-94.99	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.64	52.70	-94.99	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	160,041			3.1474
Suriname - (Population**: 637)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	2.00	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	2.00	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	261,105			409.8980
Syrian Arab Republic - (Population**: 25,171)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	33.02	135.00	-75.54	0.0013
Subtotal - Summation excludes Annex F	0.00	0.00	-100	33.02	135.00	-75.54	0.0013
F - Hydrofluorocarbons (HFCs)	0	0	-100	855,270	18,150,706	-95.29	33.9784
Timor-Leste - (Population**: 1,410)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.11	0.50	-78.00	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.11	0.50	-78.00	0.0001
Togo - (Population**: 9,618)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.18	20.00	-74.10	0.0005
Subtotal - Summation excludes Annex F	0.00	0.00	-100	5.18	20.00	-74.10	0.0005
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,085,933	1,124,896	-3.46	112.9063
Tonga - (Population**: 104)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	5,402	7,676	-29.62	51.9423
Trinidad and Tobago - (Population**: 1,510)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	9.96	46.00	-78.35	0.0066
Subtotal - Summation excludes Annex F	0.00	0.00	-100	9.96	46.00	-78.35	0.0066
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,844,879	5,681,787	-67.53	1221.7742
Turkmenistan - (Population**: 7,558)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.41	6.80	-79.26	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.41	6.80	-79.26	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	112,838	597,121	-81.10	14.9296
Tuvalu - (Population**: 10)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	550	2,648	-79.23	55.0000
Uganda - (Population**: 50,698)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.06	0.20	-70.00	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.06	0.20	-70.00	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	35,209	39,432	-10.71	0.6945
United Republic of Tanzania - (Population**: 69,542)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.32	1.70	-81.18	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.32	1.70	-81.18	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	86,358	218,611	-60.50	1.2418
Vanuatu - (Population**: 331)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.30	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.30	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	19,987	23,529	-15.05	60.3837
Yemen - (Population**: 41,179)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	50.17	158.20	-68.29	0.0012
Subtotal - Summation excludes Annex F	0.00	0.00	-100	50.17	158.20	-68.29	0.0012
Zambia - (Population**: 21,612)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.30	5.00	-74.00	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.30	5.00	-74.00	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	612,575	699,513	-12.43	28.3442
Zimbabwe - (Population**: 16,790)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.26	17.80	-87.30	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.26	17.80	-87.30	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	790,887	1,210,624	-34.67	47.1046

**Annex Va- Production and consumption of controlled substances - comparison of 2024 with baseline:
Summary for All Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024–2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011–2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			CONSUMPTION*			
	2024	Base	% Chng	2024	Base	% Chng	Per Cap. Cons.
All Parties - 197 (Population**: 8,589,003)							
AI - Chlorofluorocarbons (CFCs)	-1,008.7	1,124,768.6	-100	-1,005.5	1,472,313.6	-100	0
AII - Halons	-404.7	231,127.8	-100	-404.7	286,371.4	-100	0
BI - Other Fully Halogenated CFCs	-55.4	3,344.7	-100	-55.4	3,489.8	-100	0
BII - Carbon Tetrachloride (CTC)	-1,283.8	390,170.7	-100	-819.8	402,929.4	-100	0
BIII - Methyl Chloroform (TCA)	-36.6	69,670.6	-100	-36.6	76,976.0	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	13,280.62	74,174.70	-82.10	12,843.64	84,600.59	-84.82	0.0015
CII - Hydrobromofluorocarbons (HBFCs)	0.0		-100	-0.5		-100	0
CIII - Bromochloromethane (BCM)	0.4			0.4			0.0000
EI - Methyl Bromide (MB)	75.7	40,407.4	-99.81	70.2	46,692.6	-99.85	0.0000
Subtotal - Summation excludes Annex F	10,567.52	1,933,664.50	-99.45	10,591.74	2,373,373.39	-99.55	0.0012
F - Hydrofluorocarbons (HFCs)	1,492,284,003	2,440,146,038	-38.84	1,549,099,283	2,209,348,271	-29.88	180.3585
Article 5 Parties - 146 (Population**: 6,724,476)							
AI - Chlorofluorocarbons (CFCs)	-20.9	108,540.6	-100	-17.7	164,726.1	-100	0
AII - Halons	0.0	44,959.8	-100	0.0	46,492.4	-100	0
BI - Other Fully Halogenated CFCs	0.0	26.7	-100	0.0	80.2	-100	0
BII - Carbon Tetrachloride (CTC)	96.1	57,532.2	-99.83	96.2	65,707.5	-99.85	0.0000
BIII - Methyl Chloroform (TCA)	0.0	152.9	-100	0.0	1,861.9	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	13,345.20	32,988.90	-59.55	12,905.59	35,776.69	-63.93	0.0019
CII - Hydrobromofluorocarbons (HBFCs)	0.0		-100	0.0		-100	0
CIII - Bromochloromethane (BCM)	0.0		-100	0.0		-100	0
EI - Methyl Bromide (MB)	0.0	806.3	-100	0.0	9,504.9	-100	0
Subtotal - Summation excludes Annex F	13,420.40	245,007.40	-94.52	12,984.09	324,149.69	-95.99	0.0019
F - Hydrofluorocarbons (HFCs)	1,346,701,889	1,887,966,058	-28.67	1,247,046,349	1,562,618,220	-20.20	185.4489
Non-Article 5 Parties - 51 (Population**: 1,864,527)							
AI - Chlorofluorocarbons (CFCs)	-987.8	1,016,228.0	-100	-987.8	1,307,587.5	-100	0
AII - Halons	-404.7	186,168.0	-100	-404.7	239,879.0	-100	0
BI - Other Fully Halogenated CFCs	-55.4	3,318.0	-100	-55.4	3,409.6	-100	0
BII - Carbon Tetrachloride (CTC)	-1,379.9	332,638.5	-100	-916.0	337,221.9	-100	0
BIII - Methyl Chloroform (TCA)	-36.6	69,517.7	-100	-36.6	75,114.1	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	-64.58	41,185.80	-100	-61.95	48,823.90	-100	0
CII - Hydrobromofluorocarbons (HBFCs)	0.0		-100	-0.5		-100	0
CIII - Bromochloromethane (BCM)	0.4			0.4			0.0000
EI - Methyl Bromide (MB)	75.7	39,601.1	-99.81	70.2	37,187.7	-99.81	0.0000
Subtotal - Summation excludes Annex F	-2,852.88	1,688,657.10	-100	-2,392.35	2,049,223.70	-100	0
F - Hydrofluorocarbons (HFCs)	145,582,114	552,179,980	-73.64	302,052,934	646,730,051	-53.30	161.9998

**Annex Vb- Production and consumption of controlled substances - comparison of 2024 with baseline:
Non-Article 5 Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024-2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011-2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			CONSUMPTION*			
	2024	Base	% Chng	2024	Base	% Chng	Per Cap. Cons.
Andorra - (Population**: 81)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	3.50	-100	0.00	6.90	-100	0
Subtotal - Summation excludes Annex F	0.00	3.50	-100	0.00	6.90	-100	0
F - Hydrofluorocarbons (HFCs)	0	13,898	-100	13,044	69,107	-81.12	161.0370
Australia - (Population**: 26,581)							
AI - Chlorofluorocarbons (CFCs)	-4.5	15,385.4	-100	-4.5	14,290.4	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	-7.16	587.10	-100	-5.93	548.70	-100	0
Subtotal - Summation excludes Annex F	-11.66	15,972.50	-100	-10.43	14,839.10	-100	0
F - Hydrofluorocarbons (HFCs)	-943,347	1,205,875	-100	4,251,739	10,814,521	-60.68	159.9541
Austria - (Population**: 9,125)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	91.20	-100				
Subtotal - Summation excludes Annex F	0.00	91.20	-100				
F - Hydrofluorocarbons (HFCs)	0	131,703	-100				
Azerbaijan - (Population**: 10,305)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	7.40	-100	0.00	14.90	-100	0
Subtotal - Summation excludes Annex F	0.00	7.40	-100	0.00	14.90	-100	0
Belarus - (Population**: 9,086)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	25.00	-100	0.00	50.00	-100	0
Subtotal - Summation excludes Annex F	0.00	25.00	-100	0.00	50.00	-100	0
F - Hydrofluorocarbons (HFCs)	0	59,139	-100	4,820,490	5,077,555	-5.06	530.5404
Belgium - (Population**: 11,728)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Subtotal - Summation excludes Annex F	0.00	0.00	-100				
F - Hydrofluorocarbons (HFCs)	0	0	-100				
Bulgaria - (Population**: 6,778)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	40.90	-100				
Subtotal - Summation excludes Annex F	0.00	40.90	-100				
F - Hydrofluorocarbons (HFCs)	0	61,765	-100				
Canada - (Population**: 39,538)							
BII - Carbon Tetrachloride (CTC)	0.0	29,309.5	-100	0.1	6,167.7	-100.00	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	819.60	-100	0.13	892.30	-99.99	0.0000
Subtotal - Summation excludes Annex F	0.00	30,129.10	-100	0.23	7,060.00	-100.00	0.0000
F - Hydrofluorocarbons (HFCs)	0	2,174,370	-100	8,394,444	18,035,516	-53.46	212.3133
Croatia - (Population**: 3,889)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	7.30	-100				
Subtotal - Summation excludes Annex F	0.00	7.30	-100				
F - Hydrofluorocarbons (HFCs)	0	8,563	-100				
Cyprus - (Population**: 1,352)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	4.30	-100				
Subtotal - Summation excludes Annex F	0.00	4.30	-100				
F - Hydrofluorocarbons (HFCs)	0	6,688	-100				
Czechia - (Population**: 10,792)							
BII - Carbon Tetrachloride (CTC)	-0.2	5,285.5	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.01	107.60	-100				
CIII - Bromochloromethane (BCM)	-0.1		-100				
Subtotal - Summation excludes Annex F	-0.31	5,393.10	-100				
F - Hydrofluorocarbons (HFCs)	-4,154	162,669	-100				
Denmark - (Population**: 5,964)							
BII - Carbon Tetrachloride (CTC)	-2.6	0.0	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.50	88.90	-100				
Subtotal - Summation excludes Annex F	-3.10	88.90	-100				
F - Hydrofluorocarbons (HFCs)	0	118,820	-100				
Estonia - (Population**: 1,367)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	2.80	-100				
Subtotal - Summation excludes Annex F	0.00	2.80	-100				
F - Hydrofluorocarbons (HFCs)	0	5,009	-100				
European Union - (Population**: 506,178)							
AI - Chlorofluorocarbons (CFCs)				-292.4	309,307.6	-100	0
AII - Halons				-399.7	44,882.6	-100	0
BII - Carbon Tetrachloride (CTC)				443.0	51,150.2	-99.13	0.0009
CI - Hydrochlorofluorocarbons (HCFCs)				-45.51	8,436.70	-100	0
CII - Hydrobromofluorocarbons (HBFCs)				-0.5		-100	0
CIII - Bromochloromethane (BCM)				-3.7		-100	0
EI - Methyl Bromide (MB)				-5.5	10,318.0	-100	0
Subtotal - Summation excludes Annex F				-304.31	424,095.10	-100	0
F - Hydrofluorocarbons (HFCs)				39,030,131	163,576,330	-76.14	77.1075

Finland - (Population**: 5,612)						
Al - Halons	-246.3	0.0	-100			
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	36.50	-100			
Subtotal - Summation excludes Annex F	-246.30	36.50	-100			
F - Hydrofluorocarbons (HFCs)	-817	78.600	-100			
France - (Population**: 66,496)						
Al - Chlorofluorocarbons (CFCs)	-106.7	71,018.4	-100			
Al - Halons	-151.4	34,465.0	-100			
BII - Carbon Tetrachloride (CTC)	5.8	5,119.4	-99.89			
BIII - Methyl Chloroform (TCA)	-0.8	6,169.5	-100			
Cl - Hydrochlorofluorocarbons (HCFCs)	-28.93	2,337.40	-100			
Subtotal - Summation excludes Annex F	-282.03	119,109.70	-100			
F - Hydrofluorocarbons (HFCs)	-191,397	32,975.001	-100			
Germany - (Population**: 84,696)						
Al - Chlorofluorocarbons (CFCs)	-132.3	123,652.8	-100			
BII - Carbon Tetrachloride (CTC)	-22.9	8,067.4	-100			
Cl - Hydrochlorofluorocarbons (HCFCs)	-14.20	3,425.60	-100			
CIII - Bromochloromethane (BCM)	-1.4		-100			
Subtotal - Summation excludes Annex F	-170.80	135,145.80	-100			
F - Hydrofluorocarbons (HFCs)	1,689,758	21,556.537	-92.16			
Greece - (Population**: 10,137)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	235.30	-100			
Subtotal - Summation excludes Annex F	0.00	235.30	-100			
F - Hydrofluorocarbons (HFCs)	0	477.681	-100			
Holy See - (Population**: 0)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.10	-100	0.00	0.20	-100
Subtotal - Summation excludes Annex F	0.00	0.10	-100	0.00	0.20	-100
F - Hydrofluorocarbons (HFCs)	0	407	-100	251	1,392	-81.97
Hungary - (Population**: 9,690)						
Al - Chlorofluorocarbons (CFCs)	-3.5	0.0	-100			
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	67.90	-100			
Subtotal - Summation excludes Annex F	-3.50	67.90	-100			
F - Hydrofluorocarbons (HFCs)	0	72.881	-100			
Iceland - (Population**: 391)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	4.30	-100	0.00	8.70	-100
Subtotal - Summation excludes Annex F	0.00	4.30	-100	0.00	8.70	-100
F - Hydrofluorocarbons (HFCs)	0	13.767	-100	11.131	271.188	-95.90
Ireland - (Population**: 5,227)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100			
Subtotal - Summation excludes Annex F	0.00	0.00	-100			
F - Hydrofluorocarbons (HFCs)	0	0	-100			
Israel - (Population**: 9,322)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	164.50	-100	4.33	329.00	-98.68
CIII - Bromochloromethane (BCM)	4.1			4.1		0.0004
El - Methyl Bromide (MB)	79.8	16,800.0	-99.53	79.8	2,148.0	-96.28
Subtotal - Summation excludes Annex F	83.90	16,964.50	-99.51	88.23	2,477.00	-96.44
Italy - (Population**: 59,435)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1,704.10	-100			
Subtotal - Summation excludes Annex F	0.00	1,704.10	-100			
F - Hydrofluorocarbons (HFCs)	0	3,182.160	-100			
Japan - (Population**: 124,071)						
BII - Carbon Tetrachloride (CTC)	6.9	19,602.0	-99.96	6.9	74,879.2	-99.99
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	5,645.40	-100	0.00	5,554.90	-100
Subtotal - Summation excludes Annex F	6.90	25,247.40	-99.97	6.90	80,434.10	-99.99
F - Hydrofluorocarbons (HFCs)	18,085,424	50,031,911	-63.85	26,088,942	71,521,258	-63.52
Kazakhstan - (Population**: 20,464)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	19.80	-100	0.25	39.50	-99.37
Subtotal - Summation excludes Annex F	0.00	19.80	-100	0.25	39.50	-99.37
Latvia - (Population**: 1,880)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	69.00	-100		137.90	
Subtotal - Summation excludes Annex F	0.00	69.00	-100		137.90	
F - Hydrofluorocarbons (HFCs)	0	107.215	-100			
Liechtenstein - (Population**: 40)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.30	-100	0.00	0.70	-100
Subtotal - Summation excludes Annex F	0.00	0.30	-100	0.00	0.70	-100
F - Hydrofluorocarbons (HFCs)	0	1,055	-100	6,275	12,258	-48.81
Lithuania - (Population**: 2,867)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	77.80	-100			
Subtotal - Summation excludes Annex F	0.00	77.80	-100			
F - Hydrofluorocarbons (HFCs)	0	97.592	-100			
Luxembourg - (Population**: 669)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100			
Subtotal - Summation excludes Annex F	0.00	0.00	-100			
F - Hydrofluorocarbons (HFCs)	0	0	-100			
Malta - (Population**: 536)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	5.80	-100			
Subtotal - Summation excludes Annex F	0.00	5.80	-100			
F - Hydrofluorocarbons (HFCs)	0	10.176	-100			
Monaco - (Population**: 39)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1.20	-100	0.00	2.40	-100
Subtotal - Summation excludes Annex F	0.00	1.20	-100	0.00	2.40	-100
Netherlands (Kingdom of the) - (Population**: 18,166)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1,568.70	-100		1,472.80	
CIII - Bromochloromethane (BCM)	-2.2		-100			
Subtotal - Summation excludes Annex F	-2.20	1,568.70	-100		1,472.80	
F - Hydrofluorocarbons (HFCs)	-123,922	3,342,468	-100			
New Zealand - (Population**: 5,194)						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	28.00	-100	0.00	56.10	-100

Subtotal - Summation excludes Annex F	0.00	28.00	-100	0.00	56.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	76.343	-100	444.632	1,795.965	-75.24	85.6049
Norway - (Population**: 5,550)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	38.00	-100	0.00	76.00	-100	0
Subtotal - Summation excludes Annex F	0.00	38.00	-100	0.00	76.00	-100	0
F - Hydrofluorocarbons (HFCs)	0	138.936	-100	225.283	989.402	-77.23	40.5915
Poland - (Population**: 38,712)							
AI - Chlorofluorocarbons (CFCs)	-5.9	0.0	-100		4.986.0		
CI - Hydrochlorofluorocarbons (HCFCs)	-0.51	97.30	-100				
Subtotal - Summation excludes Annex F	-6.41	97.30	-100		5,180.60		
F - Hydrofluorocarbons (HFCs)	-60.575	221.244	-100				
Portugal - (Population**: 10,431)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Subtotal - Summation excludes Annex F	0.00	0.00	-100				
F - Hydrofluorocarbons (HFCs)	0	0	-100				
Romania - (Population**: 19,068)							
AI - Chlorofluorocarbons (CFCs)	-33.2	0.0	-100				
BI - Carbon Tetrachloride (CTC)	-1.4	11.878.5	-100		2,264.5		
CI - Hydrochlorofluorocarbons (HCFCs)	0.00		-100				
Subtotal - Summation excludes Annex F	-34.60	11,878.50	-100		3,094.20		
F - Hydrofluorocarbons (HFCs)	0	70.220	-100				
Russian Federation - (Population**: 145,206)							
CI - Hydrochlorofluorocarbons (HCFCs)	3.50	4,066.10	-99.91	5.72	3,996.90	-99.86	0.0000
Subtotal - Summation excludes Annex F	3.50	4,066.10	-99.91	5.72	3,996.90	-99.86	0.0000
F - Hydrofluorocarbons (HFCs)	624.945	15,352.188	-95.93	34,208.456	48,729.257	-29.80	235.5857
San Marino - (Population**: 34)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.20	-100	0.00	0.40	-100	0
Subtotal - Summation excludes Annex F	0.00	0.20	-100	0.00	0.40	-100	0
F - Hydrofluorocarbons (HFCs)	0	366	-100	0	11,509	-100	0
Slovakia - (Population**: 5,520)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	29.10	-100				
Subtotal - Summation excludes Annex F	0.00	29.10	-100				
F - Hydrofluorocarbons (HFCs)	-312	45.177	-100				
Slovenia - (Population**: 2,119)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	34.00	-100				
Subtotal - Summation excludes Annex F	0.00	34.00	-100				
F - Hydrofluorocarbons (HFCs)	0	39.123	-100				
Spain - (Population**: 47,916)							
BI - Methyl Chloroform (TCA)	0.8	0.0					
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	1,345.60	-100		1,345.60		
Subtotal - Summation excludes Annex F	0.80	1,345.60	-99.94		1,853.50		
F - Hydrofluorocarbons (HFCs)	0	21,286.874	-100				
Sweden - (Population**: 10,581)							
AI - Chlorofluorocarbons (CFCs)	-10.8	0.0	-100		4,962.0		
AI - Halons	-2.0	0.0	-100		1,831.0		
CI - Hydrochlorofluorocarbons (HCFCs)	-0.23	78.60	-100		157.20		
Subtotal - Summation excludes Annex F	-13.03	78.60	-100		6,950.20		
F - Hydrofluorocarbons (HFCs)	-15	252.936	-100				
Switzerland - (Population**: 8,898)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	65.30	-100	0.00	130.50	-100	0
Subtotal - Summation excludes Annex F	0.00	65.30	-100	0.00	130.50	-100	0
F - Hydrofluorocarbons (HFCs)	0	112.283	-100	1,247.176	2,208.655	-43.53	140.1636
Tajikistan - (Population**: 10,492)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	9.40	-100	0.05	18.70	-99.73	0.0000
Subtotal - Summation excludes Annex F	0.00	9.40	-100	0.05	18.70	-99.73	0.0000
F - Hydrofluorocarbons (HFCs)	0	27.216	-100	456.901	446.600	2.31	43.5476
Ukraine - (Population**: 37,441)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	82.10	-100	0.00	164.20	-100	0
Subtotal - Summation excludes Annex F	0.00	82.10	-100	0.00	164.20	-100	0
F - Hydrofluorocarbons (HFCs)	0		-100	6,823.397			182.2440
United Kingdom of Great Britain and Northern Ireland - (Population**: 68,923)							
AI - Chlorofluorocarbons (CFCs)	-44.9	102,014.4	-100	-44.9	46,218.4	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	-4.16	2,755.80	-100	-4.16	1,260.70	-100	0
Subtotal - Summation excludes Annex F	-49.06	104,770.20	-100	-49.06	47,479.10	-100	0
F - Hydrofluorocarbons (HFCs)	-61.659	16,655.157	-100	4,255.873	20,631.249	-79.37	61.7482
United States of America - (Population**: 344,480)							
AI - Chlorofluorocarbons (CFCs)	-646.0	311,021.2	-100	-646.0	305,963.6	-100	0
AI - Halons	-5.0	58,756.0	-100	-5.0	57,803.0	-100	0
BI - Other Fully Halogenated CFCs	-55.4	577.0	-100	-55.4	571.0	-100	0
BI - Carbon Tetrachloride (CTC)	-1,365.5	56,036.2	-100	-1,366.0	11,924.0	-100	0
BI - Methyl Chloroform (TCA)	-36.6	31,517.0	-100	-36.6	25,597.3	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	-12.38	15,389.60	-100	-17.13	15,248.30	-100	0
FI - Methyl Bromide (MB)	-4.1	16,908.0	-100	-4.1	15,317.4	-100	0
Subtotal - Summation excludes Annex F	-2,124.98	490,205.00	-100	-2,130.23	432,424.60	-100	0
F - Hydrofluorocarbons (HFCs)	126,568.185	382,005.967	-66.87	171,774.769	302,538.289	-43.22	498.6495
Uzbekistan - (Population**: 36,010)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	37.40	-100	0.30	74.70	-99.60	0.0000
Subtotal - Summation excludes Annex F	0.00	37.40	-100	0.30	74.70	-99.60	0.0000

**Annex Vc- Production and consumption of controlled substances - comparison of 2024 with baseline:
Article 5 Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024-2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011-2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			CONSUMPTION*			
	2024	Base	% Chng	2024	Base	% Chng	Per Cap. Cons.
Afghanistan - (Population**: 42,045)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.61	23.60	-55.04	0.0003
Subtotal - Summation excludes Annex F	0.00	0.00	-100	10.61	23.60	-55.04	0.0003
Albania - (Population**: 2,802)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.47	6.00	-58.83	0.0009
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.47	6.00	-58.83	0.0009
F - Hydrofluorocarbons (HFCs)	0	0	-100	883,701	883,849	-0.02	315.3822
Algeria - (Population**: 46,497)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	39.71	62.12	-36.08	0.0009
Subtotal - Summation excludes Annex F	0.00	0.00	-100	39.71	62.12	-36.08	0.0009
Angola - (Population**: 37,313)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.75	16.00	-82.81	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.75	16.00	-82.81	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,877,981	3,878,900	0.00	103.9311
Antigua and Barbuda - (Population**: 94)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.30	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.30	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	85,977			914.6489
Argentina - (Population**: 45,618)							
CI - Hydrochlorofluorocarbons (HCFCs)	100.03	224.60	-55.46	158.45	400.70	-60.46	0.0035
Subtotal - Summation excludes Annex F	100.03	224.60	-55.46	158.45	400.70	-60.46	0.0035
F - Hydrofluorocarbons (HFCs)	0	4,803.138	-100	13,194,064	19,219,484	-31.35	289.2293
Bahamas - (Population**: 400)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.95	4.80	-59.38	0.0049
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.95	4.80	-59.38	0.0049
F - Hydrofluorocarbons (HFCs)	0	0	-100	130,508	227,203	-42.56	326.2700
Bahrain - (Population**: 1,588)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	28.57	51.90	-44.95	0.0180
Subtotal - Summation excludes Annex F	0.00	0.00	-100	28.57	51.90	-44.95	0.0180
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,844,909			1161.7815
Bangladesh - (Population**: 172,507)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	26.05	72.60	-64.12	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	26.05	72.60	-64.12	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	4,133,238	5,473,532	-24.49	23.9598
Barbados - (Population**: 282)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.69	3.70	-81.35	0.0024
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.69	3.70	-81.35	0.0024
F - Hydrofluorocarbons (HFCs)	0	0	-100	199,042	295,419	-32.62	705.8227
Belize - (Population**: 414)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.56	2.80	-80.00	0.0014
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.56	2.80	-80.00	0.0014
F - Hydrofluorocarbons (HFCs)	0	0	-100	124,155	502,263	-75.28	299.8913
Benin - (Population**: 14,288)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	8.80	23.80	-63.03	0.0006
Subtotal - Summation excludes Annex F	0.00	0.00	-100	8.80	23.80	-63.03	0.0006
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,493,635	1,875,057	-20.34	104.5377
Bhutan - (Population**: 789)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.01	0.30	-96.67	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.01	0.30	-96.67	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	6,391	13,105	-51.23	8.1001
Bolivia (Plurinational State of) - (Population**: 12,329)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.53	6.10	-74.92	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.53	6.10	-74.92	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	647,503	677,884	-4.48	52.5187
Bosnia and Herzegovina - (Population**: 3,176)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	4.80	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	4.80	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,081,601	1,089,240	-0.70	340.5545
Botswana - (Population**: 2,501)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.32	11.00	-60.73	0.0017
Subtotal - Summation excludes Annex F	0.00	0.00	-100	4.32	11.00	-60.73	0.0017
F - Hydrofluorocarbons (HFCs)	0	0	-100	389,849	389,992	-0.04	155.8772
Brazil - (Population**: 211,574)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	443.85	1,327.30	-66.56	0.0021

Subtotal - Summation excludes Annex F	0.00	0.00	-100	443.85	1,327.30	-66.56	0.0021
F - Hydrofluorocarbons (HFCs)	0	0	-100	43,693,160	72,897,680	-40.06	206,5148
Brunei Darussalam - (Population**: 461)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.54	6.10	-58.36	0.0055
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.54	6.10	-58.36	0.0055
F - Hydrofluorocarbons (HFCs)	0	0	-100	332,755	454,855	-26.84	721,8113
Burkina Faso - (Population**: 23,286)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.82	28.90	-90.24	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.82	28.90	-90.24	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	553,265	1,049,523	-47.28	23,7596
Burundi - (Population**: 13,875)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.55	7.20	-92.36	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.55	7.20	-92.36	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	56,206	207,530	-72.92	4,0509
Cabo Verde - (Population**: 524)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	1.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	1.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	108,546	38,791	179.82	207,1489
Cambodia - (Population**: 17,533)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	7.54	15.00	-49.73	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	7.54	15.00	-49.73	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	892,097	1,263,376	-29.39	50,8810
Cameroon - (Population**: 28,748)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	22.20	88.80	-75.00	0.0008
Subtotal - Summation excludes Annex F	0.00	0.00	-100	22.20	88.80	-75.00	0.0008
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,599,545	4,760,203	-24.38	125,2103
Central African Republic - (Population**: 5,240)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.98	12.00	-50.17	0.0011
Subtotal - Summation excludes Annex F	0.00	0.00	-100	5.98	12.00	-50.17	0.0011
Chad - (Population**: 19,870)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.04	16.10	-37.64	0.0005
Subtotal - Summation excludes Annex F	0.00	0.00	-100	10.04	16.10	-37.64	0.0005
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,228,718	3,573,612	-9.65	162,4921
Chile - (Population**: 19,714)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	16.23	87.50	-81.45	0.0008
Subtotal - Summation excludes Annex F	0.00	0.00	-100	16.23	87.50	-81.45	0.0008
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,581,813	6,698,107	-46.52	181,6888
China - (Population**: 1,420,909)							
AI - Chlorofluorocarbons (CFCs)	-20.9	47,003.9	-100	-20.9	57,818.7	-100	0
BI - Carbon Tetrachloride (CTC)	96.1	32,479.7	-99.70	96.1	49,142.1	-99.80	0.0001
CI - Hydrochlorofluorocarbons (HCFCs)	11,454.58	29,122.00	-60.67	7,470.07	19,269.00	-61.23	0.0053
Subtotal - Summation excludes Annex F	11,529.78	108,605.60	-89.38	7,545.27	126,229.80	-94.02	0.0053
F - Hydrofluorocarbons (HFCs)	1,261,238,541	1,852,528,591	-31.92	572,326,102	905,144,032	-36.77	402,7887
Colombia - (Population**: 52,610)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.08	225.60	-95.53	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	10.08	225.60	-95.53	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	4,647,331	8,652,982	-46.29	88,3355
Comoros - (Population**: 859)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.03	0.10	-70.00	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.03	0.10	-70.00	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	20,217	34,958	-42.17	23,5355
Congo - (Population**: 6,258)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.92	10.14	-51.48	0.0008
Subtotal - Summation excludes Annex F	0.00	0.00	-100	4.92	10.14	-51.48	0.0008
F - Hydrofluorocarbons (HFCs)	0	0	-100	281,443	504,649	-44.23	44,9733
Cook Islands - (Population**: 14)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,296	6,461	-48.99	235,4286
Costa Rica - (Population**: 5,118)							
CI - Hydrochlorofluorocarbons (HCFCs)	-0.06	0.00	-100	3.87	14.10	-72.55	0.0008
Subtotal - Summation excludes Annex F	-0.06	0.00	-100	3.87	14.10	-72.55	0.0008
F - Hydrofluorocarbons (HFCs)	-1,430	0	-100	1,324,607	1,450,799	-8.70	258,8134
Côte d'Ivoire - (Population**: 31,548)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	19.25	63.80	-69.83	0.0006
Subtotal - Summation excludes Annex F	0.00	0.00	-100	19.25	63.80	-69.83	0.0006
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,731,618	21,289,132	-87.17	86,5861
Cuba - (Population**: 11,001)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.44	16.90	-85.56	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.44	16.90	-85.56	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	671,021	1,030,662	-34.89	60,9964
Democratic People's Republic of Korea - (Population**: 26,460)							
CI - Hydrochlorofluorocarbons (HCFCs)	21.61	27.60	-21.70	51.43	78.00	-34.06	0.0019
Subtotal - Summation excludes Annex F	21.61	27.60	-21.70	51.43	78.00	-34.06	0.0019
F - Hydrofluorocarbons (HFCs)	656,370	1,102,320	-40.46	656,370	1,906,435	-65.57	24,8061
Democratic Republic of the Congo - (Population**: 107,516)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.78	66.21	-98.82	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.78	66.21	-98.82	0.0000
Djibouti - (Population**: 1,161)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.23	0.70	-67.14	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.23	0.70	-67.14	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	219,822	220,941	-0.51	189,3385
Dominica - (Population**: 66)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.20	0.40	-50.00	0.0030
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.20	0.40	-50.00	0.0030
F - Hydrofluorocarbons (HFCs)	0	0	-100	51,654			782,6364

Dominican Republic - (Population**: 11,380)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	28.28	51.20	-44.77
Subtotal - Summation excludes Annex F	0.00	0.00	-100	28.28	51.20	0.0025
F - Hydrofluorocarbons (HFCs)	0	0	-100	3,034,223	3,834,089	-20.86
						266.6277
Ecuador - (Population**: 18,058)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	7.60	23.49	-67.65
Subtotal - Summation excludes Annex F	0.00	0.00	-100	7.60	23.49	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,010,343	3,179,294	-36.77
						111.3270
Egypt - (Population**: 115,578)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	215.09	386.30	-44.32
Subtotal - Summation excludes Annex F	0.00	0.00	-100	215.09	386.30	0.0019
F - Hydrofluorocarbons (HFCs)	0	0	-100	17,259,729	19,290,350	-10.53
						149.3340
El Salvador - (Population**: 6,324)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.08	11.70	-82.22
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.08	11.70	0.0003
F - Hydrofluorocarbons (HFCs)	0	0	-100	862,827	922,362	-6.45
						136.4369
Equatorial Guinea - (Population**: 1,870)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.50	6.31	-92.08
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.50	6.31	0.0003
F - Hydrofluorocarbons (HFCs)	0	0	-100	52,398		
						28.0203
Eritrea - (Population**: 3,502)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.39	1.09	-64.22
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.39	1.09	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	169,245	169,249	0.00
						48.3281
Eswatini - (Population**: 1,236)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.45	1.73	-73.99
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.45	1.73	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	78,365	105,500	-25.72
						63.4021
Ethiopia - (Population**: 130,355)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.30	5.50	-40.00
Subtotal - Summation excludes Annex F	0.00	0.00	-100	3.30	5.50	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	199,749	347,035	-42.44
						1.5323
Fiji - (Population**: 927)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.63	5.73	-54.10
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.63	5.73	0.0028
F - Hydrofluorocarbons (HFCs)	0	0	-100	289,332	443,528	-34.77
						312.1165
Gabon - (Population**: 2,512)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.66	30.20	-77.95
Subtotal - Summation excludes Annex F	0.00	0.00	-100	6.66	30.20	0.0027
F - Hydrofluorocarbons (HFCs)	0	0	-100	963,332	2,182,210	-55.86
						383.4920
Gambia - (Population**: 2,729)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.17	1.50	-88.67
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.17	1.50	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	177,868	271,515	-34.49
						65.1770
Georgia - (Population**: 3,808)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.46	5.30	-72.45
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.46	5.30	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	448,285	813,152	-44.87
						117.7219
Ghana - (Population**: 34,108)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	13.77	57.30	-75.97
Subtotal - Summation excludes Annex F	0.00	0.00	-100	13.77	57.30	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	716,142	1,805,702	-60.34
						20.9963
Grenada - (Population**: 117)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.02	0.80	-97.50
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.02	0.80	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	48,400	52,815	-8.36
						413.6752
Guatemala - (Population**: 18,265)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.84	8.30	-77.83
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.84	8.30	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	945,404	1,217,998	-22.38
						51.7604
Guinea - (Population**: 14,582)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.55	0.90	-38.89
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.55	0.90	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,836,016	1,798,954	2.06
						125.9098
Guinea-Bissau - (Population**: 2,177)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.61	2.83	-78.45
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.61	2.83	0.0003
F - Hydrofluorocarbons (HFCs)	0	0	-100	568,512	722,391	-21.30
						261.1447
Guyana - (Population**: 829)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.25	1.80	-86.11
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.25	1.80	0.0003
F - Hydrofluorocarbons (HFCs)	0	0	-100	218,744		
						263.8649
Haiti - (Population**: 11,705)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.05	3.63	-43.53
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.05	3.63	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	56,307		
						4.8105
Honduras - (Population**: 10,735)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.17	19.90	-84.07
Subtotal - Summation excludes Annex F	0.00	0.00	-100	3.17	19.90	0.0003
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,415,981	1,449,723	-2.33
						131.9032
India - (Population**: 1,444,436)						
CI - Hydrochlorofluorocarbons (HCFCs)	1,361.95	2,399.50	-43.24	469.95	1,608.20	-70.78
Subtotal - Summation excludes Annex F	1,361.95	2,399.50	-43.24	469.95	1,608.20	0.0003
F - Hydrofluorocarbons (HFCs)	68,449.052			66,796.901		
						46.2443
Indonesia - (Population**: 282,354)						
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	130.95	403.90	-67.58
Subtotal - Summation excludes Annex F	0.00	0.00	-100	130.95	403.90	0.0005

F - Hydrofluorocarbons (HFCs)	0	0	-100	13,855,733	23,370,721	-40.71	49.0722
Iran (Islamic Republic of) - (Population**: 91,115)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	54.18	380.50	-85.76	0.0006
Subtotal - Summation excludes Annex F	0.00	0.00	-100	54.18	380.50	-85.76	0.0006
Iraq - (Population**: 45,558)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	62.32	108.40	-42.51	0.0014
Subtotal - Summation excludes Annex F	0.00	0.00	-100	62.32	108.40	-42.51	0.0014
Jamaica - (Population**: 2,840)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.04	16.30	-93.62	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.04	16.30	-93.62	0.0004
Jordan - (Population**: 11,531)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	9.80	83.00	-88.19	0.0008
Subtotal - Summation excludes Annex F	0.00	0.00	-100	9.80	83.00	-88.19	0.0008
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,327,114	2,808,101	-52.74	115.0910
Kenya - (Population**: 55,884)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.68	52.20	-91.03	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	4.68	52.20	-91.03	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	890,579	1,543,824	-42.31	15.9362
Kiribati - (Population**: 134)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	7,074	8,509	-16.86	52.7910
Kuwait - (Population**: 4,884)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	166.69	418.60	-60.18	0.0341
Subtotal - Summation excludes Annex F	0.00	0.00	-100	166.69	418.60	-60.18	0.0341
F - Hydrofluorocarbons (HFCs)	0	0	-100	4,051,794			829.6057
Kyrgyzstan - (Population**: 7,131)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	4.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	4.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	230,930	450,382	-48.73	32.3840
Lao People's Democratic Republic - (Population**: 7,718)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.48	2.30	-35.65	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.48	2.30	-35.65	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	167,934	324,226	-48.20	21.7587
Lebanon - (Population**: 5,786)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	18.32	73.50	-75.07	0.0032
Subtotal - Summation excludes Annex F	0.00	0.00	-100	18.32	73.50	-75.07	0.0032
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,573,653	2,556,533	-38.45	271.9760
Lesotho - (Population**: 2,324)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.42	3.50	-88.00	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.42	3.50	-88.00	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	48,905	103,221	-52.62	21.0435
Liberia - (Population**: 5,553)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.82	5.30	-84.53	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.82	5.30	-84.53	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	33,330	180,909	-81.58	6.0022
Libya - (Population**: 7,343)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	45.28	118.38	-61.75	0.0062
Subtotal - Summation excludes Annex F	0.00	0.00	-100	45.28	118.38	-61.75	0.0062
Madagascar - (Population**: 31,578)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.33	16.60	-61.87	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	6.33	16.60	-61.87	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,589,933			50.3494
Malawi - (Population**: 21,376)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.56	10.80	-85.56	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.56	10.80	-85.56	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	161,445	428,435	-62.32	7.5526
Malaysia - (Population**: 35,344)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	184.35	515.80	-64.26	0.0052
Subtotal - Summation excludes Annex F	0.00	0.00	-100	184.35	515.80	-64.26	0.0052
F - Hydrofluorocarbons (HFCs)	-9.427	0	-100	15,406,368	26,703,717	-42.31	435.8977
Maldives - (Population**: 527)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	4.60	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	4.60	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	390,586	434,219	-10.05	741.1499
Mali - (Population**: 24,122)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.40	15.00	-70.67	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	4.40	15.00	-70.67	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,773,126	399,935	343.35	73.5066
Marshall Islands - (Population**: 38)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.20	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.20	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	7,015	15,926	-55.95	184.6053
Mauritania - (Population**: 5,097)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.81	20.50	-66.78	0.0013
Subtotal - Summation excludes Annex F	0.00	0.00	-100	6.81	20.50	-66.78	0.0013
Mauritius - (Population**: 1,273)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.09	8.00	-86.38	0.0009
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.09	8.00	-86.38	0.0009
F - Hydrofluorocarbons (HFCs)	0	0	-100	613,288	665,957	-7.91	481.7659
Mexico - (Population**: 130,308)							
CI - Hydrochlorofluorocarbons (HCFCs)	176.31	697.00	-74.70	165.78	1,148.80	-85.57	0.0013
Subtotal - Summation excludes Annex F	176.31	697.00	-74.70	165.78	1,148.80	-85.57	0.0013
F - Hydrofluorocarbons (HFCs)	0	14,908,490	-100	43,614,902	76,982,664	-43.34	334.7062
Micronesia (Federated States of) - (Population**: 113)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.20	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.20	-100	0

F - Hydrofluorocarbons (HFCs)	0	0	-100	7,226	13,600	-46.87	63.9469
Mongolia - (Population**: 3,454)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.39	1.40	-72.14	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.39	1.40	-72.14	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	55,608	57,309	-2.97	16.0996
Montenegro - (Population**: 639)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.05	0.80	-93.75	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.05	0.80	-93.75	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	145,764	155,854	-6.47	228.1127
Morocco - (Population**: 37,901)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	17.20	51.35	-66.50	0.0005
Subtotal - Summation excludes Annex F	0.00	0.00	-100	17.20	51.35	-66.50	0.0005
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,645,559	3,023,765	-12.51	69.8018
Mozambique - (Population**: 34,130)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.04	8.69	-76.52	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.04	8.69	-76.52	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	652,110	655,255	-0.48	19.1067
Myanmar - (Population**: 54,320)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.65	4.30	-38.37	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.65	4.30	-38.37	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	669,660			12.3281
Namibia - (Population**: 2,998)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.38	8.40	-95.48	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.38	8.40	-95.48	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	600,368	774,924	-22.53	200.2562
Naoero - (Population**: 12)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.00	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.00	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,402	2,378	-41.04	116.8333
Nepal - (Population**: 29,674)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.16	1.10	-85.45	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.16	1.10	-85.45	0.0000
Nicaragua - (Population**: 6,870)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.68	6.80	-75.29	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.68	6.80	-75.29	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	479,823	582,295	-17.60	69.8432
Niger - (Population**: 26,592)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.01	15.98	-68.65	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	5.01	15.98	-68.65	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	586,753	1,222,358	-52.00	22.0650
Nigeria - (Population**: 230,271)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	94.23	344.88	-72.68	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	94.23	344.88	-72.68	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	24,024,976	24,986,406	-3.85	104.3335
Niue - (Population**: 2)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.00	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.00	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	0	236	-100	0
North Macedonia - (Population**: 1,828)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	1.80	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	1.80	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	253,091	397,843	-36.38	138.4524
Oman - (Population**: 5,165)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	9.62	31.50	-69.46	0.0019
Subtotal - Summation excludes Annex F	0.00	0.00	-100	9.62	31.50	-69.46	0.0019
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,275,115			440.4869
Pakistan - (Population**: 249,336)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	112.00	248.11	-54.86	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	112.00	248.11	-54.86	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	9,815,266			39.3656
Palau - (Population**: 18)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.20	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.20	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	9,779	10,368	-5.68	543.2778
Panama - (Population**: 4,487)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	7.53	24.80	-69.64	0.0017
Subtotal - Summation excludes Annex F	0.00	0.00	-100	7.53	24.80	-69.64	0.0017
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,892,969	2,543,386	-25.57	421.8785
Papua New Guinea - (Population**: 10,483)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.80	3.30	-75.76	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.80	3.30	-75.76	0.0001
Paraguay - (Population**: 6,887)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.77	18.00	-40.17	0.0016
Subtotal - Summation excludes Annex F	0.00	0.00	-100	10.77	18.00	-40.17	0.0016
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,517,927	1,684,582	-9.89	220.4047
Peru - (Population**: 34,035)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	13.25	26.88	-50.71	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	13.25	26.88	-50.71	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,926,192	2,735,721	-29.59	56.5944
Philippines - (Population**: 115,371)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	62.75	161.98	-61.26	0.0005
Subtotal - Summation excludes Annex F	0.00	0.00	-100	62.75	161.98	-61.26	0.0005
F - Hydrofluorocarbons (HFCs)	0	0	-100	7,198,340	11,903,687	-39.53	62.3930
Qatar - (Population**: 3,012)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	39.97	86.90	-54.00	0.0133
Subtotal - Summation excludes Annex F	0.00	0.00	-100	39.97	86.90	-54.00	0.0133

Republic of Korea - (Population**: 51,738)							
Al - Chlorofluorocarbons (CFCs)	0.0	9,202.0	-100	3.2	9,159.8	-99.97	0.0001
Bll - Carbon Tetrachloride (CTC)	0.0	584.8	-100	0.1	638.0	-99.98	0.0000
Cl - Hydrochlorofluorocarbons (HCFCs)	230.79	395.10	-41.59	781.12	1,908.00	-59.06	0.0151
Subtotal - Summation excludes Annex F	230.79	10,181.90	-97.73	784.42	11,705.80	-93.30	0.0152
F - Hydrofluorocarbons (HFCs)	2,415.776	11,991.777	-79.85	53,710.939	89,248.915	-39.82	1038.1333
Republic of Moldova - (Population**: 3,053)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.36	1.00	-64.00	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.36	1.00	-64.00	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	395.434	521.391	-24.16	129.5231
Rwanda - (Population**: 14,106)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.97	4.10	-76.34	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.97	4.10	-76.34	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	181.430	338.197	-46.35	12.8619
Saint Kitts and Nevis - (Population**: 47)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.50	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.50	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	33.392			710.4681
Saint Lucia - (Population**: 180)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.28	1.09	-74.31	0.0016
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.28	1.09	-74.31	0.0016
F - Hydrofluorocarbons (HFCs)	0	0	-100	104.747	83.735	25.09	581.9278
Saint Vincent and the Grenadines - (Population**: 101)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.30	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.30	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	45.975	25.280	81.86	455.1980
Samoa - (Population**: 217)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.30	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.30	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	7.264	20.557	-64.66	33.4747
Sao Tome and Principe - (Population**: 233)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.04	2.20	-98.18	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.04	2.20	-98.18	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	31.985	71.039	-54.98	137.2747
Saudi Arabia - (Population**: 33,661)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	558.54	1,468.70	-61.97	0.0166
Subtotal - Summation excludes Annex F	0.00	0.00	-100	558.54	1,468.70	-61.97	0.0166
F - Hydrofluorocarbons (HFCs)	0	0	-100	36,264.409			1077.3420
Senegal - (Population**: 18,288)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	8.64	36.20	-76.13	0.0005
Subtotal - Summation excludes Annex F	0.00	0.00	-100	8.64	36.20	-76.13	0.0005
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,122.051	2,786.915	-23.86	116.0352
Serbia - (Population**: 6,758)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.31	8.40	-60.60	0.0005
Subtotal - Summation excludes Annex F	0.00	0.00	-100	3.31	8.40	-60.60	0.0005
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,899.695	3,261.874	-11.10	429.0759
Seychelles - (Population**: 129)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	1.40	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	1.40	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	157.112	249.400	-37.00	1217.9225
Sierra Leone - (Population**: 8,553)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.50	1.70	-70.59	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.50	1.70	-70.59	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	281.307	350.905	-19.83	32.8899
Singapore - (Population**: 5,812)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	35.30	216.10	-83.66	0.0061
Subtotal - Summation excludes Annex F	0.00	0.00	-100	35.30	216.10	-83.66	0.0061
F - Hydrofluorocarbons (HFCs)	0	0	-100	4,579.102	10,583.428	-56.73	787.8703
Solomon Islands - (Population**: 810)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.08	2.00	-96.00	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.08	2.00	-96.00	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	27.134	69.516	-60.97	33.4988
Somalia - (Population**: 18,686)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	45.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	45.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,015.385	1,276.672	-20.47	54.3393
South Africa - (Population**: 63,628)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	88.70	369.70	-76.01	0.0014
Subtotal - Summation excludes Annex F	0.00	0.00	-100	88.70	369.70	-76.01	0.0014
F - Hydrofluorocarbons (HFCs)	0	0	-100	9,779.559	13,843.139	-29.35	153.6990
South Sudan - (Population**: 11,820)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.66	4.10	-83.90	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.66	4.10	-83.90	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	40.169			3.3984
Sri Lanka - (Population**: 23,038)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	8.75	13.90	-37.05	0.0004
Subtotal - Summation excludes Annex F	0.00	0.00	-100	8.75	13.90	-37.05	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,102.060	1,170.234	-5.83	47.8366
Sudan - (Population**: 50,049)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.65	52.70	-94.97	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.65	52.70	-94.97	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	137.259			2.7425
Suriname - (Population**: 632)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	2.00	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	2.00	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	260.022			411.4272
Syrian Arab Republic - (Population**: 24,175)							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	37.57	135.00	-72.17	0.0016

Subtotal - Summation excludes Annex F	0.00	0.00	-100	37.57	135.00	-72.17	0.0016
F - Hydrofluorocarbons (HFCs)	0	0	-100	4,819,006	18,150,706	-73.45	199,3384
Thailand - (Population**: 71,689)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	305.04	927.60	-67.12	0.0043
Subtotal - Summation excludes Annex F	0.00	0.00	-100	305.04	927.60	-67.12	0.0043
F - Hydrofluorocarbons (HFCs)	0	0	-100	32,708,003	59,270,951	-44.82	456,2486
Timor-Leste - (Population**: 1,392)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.15	0.50	-70.00	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.15	0.50	-70.00	0.0001
Togo - (Population**: 9,412)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.58	20.00	-72.10	0.0006
Subtotal - Summation excludes Annex F	0.00	0.00	-100	5.58	20.00	-72.10	0.0006
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,116,869	1,124,896	-0.71	118,6644
Tonga - (Population**: 104)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	5,112	7,676	-33.40	49,1538
Trinidad and Tobago - (Population**: 1,506)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	7.83	46.00	-82.98	0.0052
Subtotal - Summation excludes Annex F	0.00	0.00	-100	7.83	46.00	-82.98	0.0052
F - Hydrofluorocarbons (HFCs)	0	0	-100	2,967,132	5,681,787	-47.78	1970,2072
Tunisia - (Population**: 12,240)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	14.98	40.70	-63.19	0.0012
Subtotal - Summation excludes Annex F	0.00	0.00	-100	14.98	40.70	-63.19	0.0012
F - Hydrofluorocarbons (HFCs)	0	0	-100	1,166,379	2,367,840	-50.74	95,2924
Türkiye - (Population**: 87,372)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.75	551.47	-99.50	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	2.75	551.47	-99.50	0.0000
F - Hydrofluorocarbons (HFCs)	-4,503	0	-100	18,995,525	37,117,410	-48.82	217,4098
Turkmenistan - (Population**: 7,431)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.54	6.80	-47.94	0.0005
Subtotal - Summation excludes Annex F	0.00	0.00	-100	3.54	6.80	-47.94	0.0005
F - Hydrofluorocarbons (HFCs)	0	0	-100	352,131	597,121	-41.03	47,3868
Tuvalu - (Population**: 10)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.00	0.10	-100	0
F - Hydrofluorocarbons (HFCs)	0	0	-100	613	2,648	-76.85	61,3000
Uganda - (Population**: 49,332)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.07	0.20	-65.00	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.07	0.20	-65.00	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	35,728	39,432	-9.39	0,7242
United Arab Emirates - (Population**: 10,839)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	359.69	557.10	-35.44	0.0332
Subtotal - Summation excludes Annex F	0.00	0.00	-100	359.69	557.10	-35.44	0.0332
F - Hydrofluorocarbons (HFCs)	13,962,760			149,066,355			13752,7775
United Republic of Tanzania - (Population**: 67,578)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.65	1.70	-61.76	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.65	1.70	-61.76	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	143,372	218,611	-34.42	2,1216
Uruguay - (Population**: 3,387)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.76	23.40	-54.02	0.0032
Subtotal - Summation excludes Annex F	0.00	0.00	-100	10.76	23.40	-54.02	0.0032
F - Hydrofluorocarbons (HFCs)	0	0	-100	528,576	1,012,431	-47.79	156,0602
Vanuatu - (Population**: 324)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.01	0.30	-96.67	0.0000
Subtotal - Summation excludes Annex F	0.00	0.00	-100	0.01	0.30	-96.67	0.0000
F - Hydrofluorocarbons (HFCs)	0	0	-100	17,133	23,529	-27.18	52,8796
Venezuela (Bolivarian Republic of) - (Population**: 28,351)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	123.10	-100	84.73	207.00	-59.07	0.0030
Subtotal - Summation excludes Annex F	0.00	123.10	-100	84.73	207.00	-59.07	0.0030
F - Hydrofluorocarbons (HFCs)	0	2,631,742	-100	3,452,171	5,157,619	-33.07	121,7654
Viet Nam - (Population**: 100,675)							
CI - Hydrochlorofluorocarbons (HCFCs)	-0.01	0.00	-100	142.61	221.20	-35.53	0.0014
Subtotal - Summation excludes Annex F	-0.01	0.00	-100	142.61	221.20	-35.53	0.0014
F - Hydrofluorocarbons (HFCs)	-5,250	0	-100	11,337,312	13,991,360	-18.97	112,6130
Yemen - (Population**: 39,987)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	65.18	158.20	-58.80	0.0016
Subtotal - Summation excludes Annex F	0.00	0.00	-100	65.18	158.20	-58.80	0.0016
Zambia - (Population**: 21,018)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.99	5.00	-60.20	0.0001
Subtotal - Summation excludes Annex F	0.00	0.00	-100	1.99	5.00	-60.20	0.0001
F - Hydrofluorocarbons (HFCs)	0	0	-100	616,171	699,513	-11.91	29,3163
Zimbabwe - (Population**: 16,478)							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.44	17.80	-80.67	0.0002
Subtotal - Summation excludes Annex F	0.00	0.00	-100	3.44	17.80	-80.67	0.0002
F - Hydrofluorocarbons (HFCs)	0	0	-100	820,451	1,210,624	-32.23	49,7907

**Annex VIa- Production and consumption of controlled substances - comparison of 2025 with baseline:
Summary by geographical region of Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties-Group 2 is the average HFC for 2024-2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011-2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			CONSUMPTION*			
	2025	Base	% Chng	2025	Base	% Chng	Per Cap. Cons.
Africa - 41 (Population**: 1,154,148)							
AI - Chlorofluorocarbons (CFCs)	0.0	542.3	-100	0.0	10,892.1	-100	0
AII - Halons	0.0	0.0	-100	0.0	1,954.9	-100	0
BI - Other Fully Halogenated CFCs	0.0	0.0	-100	0.0	0.1	-100	0
BII - Carbon Tetrachloride (CTC)	0.0	0.0	-100	0.0	293.5	-100	0
BIII - Methyl Chloroform (TCA)	0.0	0.0	-100	0.0	73.3	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	415.26	1,838.30	-77.41	0.0004
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0	-100	0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	0.0	0.0	-100	0
EI - Methyl Bromide (MB)	0.0	0.0	-100	0.0	2,639.5	-100	0
Subtotal - Summation excludes Annex F	0.00	542.30	-100	415.26	17,691.70	-97.65	0.0004
F - Hydrofluorocarbons (HFCs)	0	0	-100	72,424.403	94,001,768	-22.95	62,7514
Asia-Pacific - 36 (Population**: 1,127,657)							
AI - Chlorofluorocarbons (CFCs)	0.0	119,997.8	-100	0.0	145,525.7	-100	0
AII - Halons	0.0	28,419.0	-100	0.0	20,608.4	-100	0
BI - Other Fully Halogenated CFCs	0.0	2,342.0	-100	0.0	2,331.2	-100	0
BII - Carbon Tetrachloride (CTC)	7.9	19,602.0	-99.96	7.9	75,651.5	-99.99	0.0000
BIII - Methyl Chloroform (TCA)	0.0	15,636.4	-100	0.0	17,356.9	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	5,649.70	-100	1,020.74	9,352.82	-89.09	0.0009
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0	-100	0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	0.0	0.0	-100	0
EI - Methyl Bromide (MB)	0.0	3,376.1	-100	0.0	4,450.2	-100	0
Subtotal - Summation excludes Annex F	7.90	195,023.00	-100.00	1,028.64	275,276.72	-99.63	0.0009
F - Hydrofluorocarbons (HFCs)	19,595,452	50,038,599	-60.84	101,414,169	131,362,134	-22.80	89,9335
Eastern Europe - 13 (Population**: 232,011)							
AI - Chlorofluorocarbons (CFCs)	-12.6	107,273.6	-100	0.0	101,369.4	-100	0
AII - Halons	0.0	27,800.0	-100	0.0	28,848.6	-100	0
BI - Other Fully Halogenated CFCs	0.0	300.0	-100	0.0	300.0	-100	0
BII - Carbon Tetrachloride (CTC)	-16.4	112,535.5	-100	-0.1	103,313.0	-100	0
BIII - Methyl Chloroform (TCA)	0.0	330.0	-100	0.0	330.0	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	12.28	4,563.40	-99.73	21.82	4,017.40	-99.46	0.0001
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0	-100	0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	0.0	0.0	-100	0
EI - Methyl Bromide (MB)	0.0	0.0	-100	0.0	22.0	-100	0
Subtotal - Summation excludes Annex F	-16.72	252,802.50	-100	21.72	238,200.40	-99.99	0.0001
F - Hydrofluorocarbons (HFCs)	386,046	16,119,686	-97.61	35,406,244	53,843,986	-34.24	152,6059
Latin America and the Caribbean - 25 (Population**: 602,119)							
AI - Chlorofluorocarbons (CFCs)	0.0	23,969.8	-100	0.0	25,824.4	-100	0
AII - Halons	0.0	0.0	-100	0.0	558.8	-100	0
BI - Other Fully Halogenated CFCs	0.0	0.0	-100	0.0	8.9	-100	0
BII - Carbon Tetrachloride (CTC)	0.0	11,629.6	-100	0.0	685.9	-100	0
BIII - Methyl Chloroform (TCA)	0.0	32.4	-100	0.0	159.6	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	131.25	921.60	-85.76	649.58	3,357.83	-80.65	0.0011
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0	-100	0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	0.0	0.0	-100	0
EI - Methyl Bromide (MB)	0.0	0.0	-100	19.2	3,495.6	-99.45	0.0000
Subtotal - Summation excludes Annex F	131.25	36,553.40	-99.64	668.78	34,091.03	-98.04	0.0011
F - Hydrofluorocarbons (HFCs)	-420,658	19,711,628	-100	125,963,486	201,377,173	-37.45	209,2003
Western Europe and Others - 22 (Population**: 990,124)							
AI - Chlorofluorocarbons (CFCs)	-214.4	477,935.4	-100	-276.2	393,249.3	-100	0
AII - Halons	-22.0	71,193.0	-100	-22.1	60,988.6	-100	0
BI - Other Fully Halogenated CFCs	0.0	99.0	-100	0.0	94.3	-100	0
BII - Carbon Tetrachloride (CTC)	-4,862.0	132,586.3	-100	-8,486.4	64,973.4	-100	0
BIII - Methyl Chloroform (TCA)	0.0	22,007.1	-100	0.0	16,743.7	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	-15.39	15,034.00	-100	-10.13	11,280.00	-100	0
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0	-100	0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	-27.4	0.0	-100	0
EI - Methyl Bromide (MB)	0.0	2,517.0	-100	-11.6	12,489.4	-100	0
Subtotal - Summation excludes Annex F	-5,113.79	721,371.80	-100	-8,833.83	559,818.70	-100	0
F - Hydrofluorocarbons (HFCs)	368,974	103,536,063	-99.64	50,860,730	215,913,482	-76.44	51,3680

**Annex Vlb- Production and consumption of controlled substances - comparison of 2024 with baseline:
Summary by geographical region of Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halon). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024–2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011–2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			CONSUMPTION*			
	2024	Base	% Chng	2024	Base	% Chng	Per Cap. Cons.
Africa - 54 (Population**: 1,496,125)							
AI - Chlorofluorocarbons (CFCs)	0.0	542.3	-100	0.0	14,653.2	-100	0
AII - Halons	0.0	0.0	-100	0.0	2,324.5	-100	0
BI - Other Fully Halogenated CFCs	0.0	0.0	-100	0.0	2.0	-100	0
BII - Carbon Tetrachloride (CTC)	0.0	0.0	-100	0.0	317.7	-100	0
BIII - Methyl Chloroform (TCA)	0.0	0.0	-100	0.0	79.7	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	682.99	2,183.81	-68.72	0.0005
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0	-100	0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	0.0	0.0	-100	0
EI - Methyl Bromide (MB)	0.0	0.0	-100	0.0	2,683.5	-100	0
Subtotal - Summation excludes Annex F	0.00	542.30	-100	682.99	22,244.41	-96.93	0.0005
F - Hydrofluorocarbons (HFCs)	0	0	-100	89,847,800	123,077,466	-27.00	60.0537
Asia-Pacific - 57 (Population**: 4,660,490)							
AI - Chlorofluorocarbons (CFCs)	-20.9	199,239.4	-100	-17.7	236,509.3	-100	0
AII - Halons	0.0	73,378.8	-100	0.0	61,571.4	-100	0
BI - Other Fully Halogenated CFCs	0.0	2,368.7	-100	0.0	2,372.7	-100	0
BII - Carbon Tetrachloride (CTC)	103.0	65,504.6	-99.84	103.1	138,497.6	-99.93	0.0000
BIII - Methyl Chloroform (TCA)	0.0	15,756.9	-100	0.0	18,849.0	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	13,068.92	37,660.50	-65.30	11,224.01	34,976.82	-67.91	0.0024
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0	-100	0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	0.0	0.0	-100	0
EI - Methyl Bromide (MB)	0.0	4,182.4	-100	0.0	6,147.5	-100	0
Subtotal - Summation excludes Annex F	13,151.02	398,091.30	-96.70	11,309.41	498,924.32	-97.73	0.0024
F - Hydrofluorocarbons (HFCs)	1,364,793,246	1,915,688,503	-28.76	1,024,874,404	1,248,469,735	-17.91	219.9070
Eastern Europe - 22 (Population**: 326,784)							
AI - Chlorofluorocarbons (CFCs)	-42.6	107,273.6	-100	0.0	146,080.3	-100	0
AII - Halons	0.0	27,800.0	-100	0.0	39,185.2	-100	0
BI - Other Fully Halogenated CFCs	0.0	300.0	-100	0.0	343.5	-100	0
BII - Carbon Tetrachloride (CTC)	-1.6	124,414.0	-100	0.0	111,256.9	-100	0
BIII - Methyl Chloroform (TCA)	0.0	357.2	-100	0.0	731.9	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	2.98	4,714.30	-99.94	13.37	5,261.70	-99.75	0.0000
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0	-100	0
CIII - Bromochloromethane (BCM)	-0.1	0.0	-100	0.0	0.0	-100	0
EI - Methyl Bromide (MB)	0.0	0.0	-100	0.0	330.4	-100	0
Subtotal - Summation excludes Annex F	-41.32	264,859.10	-100	13.37	303,189.90	-100.00	0.0000
F - Hydrofluorocarbons (HFCs)	559,904	16,302,785	-96.57	51,959,914	60,930,015	-14.72	159.0038
Latin America and the Caribbean - 33 (Population**: 656,264)							
AI - Chlorofluorocarbons (CFCs)	0.0	28,756.7	-100	0.0	30,647.7	-100	0
AII - Halons	0.0	0.0	-100	0.0	570.0	-100	0
BI - Other Fully Halogenated CFCs	0.0	0.0	-100	0.0	36.1	-100	0
BII - Carbon Tetrachloride (CTC)	0.0	11,629.6	-100	0.0	1,823.1	-100	0
BIII - Methyl Chloroform (TCA)	0.0	32.4	-100	0.0	174.1	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	276.28	1,044.70	-73.55	988.79	3,732.89	-73.51	0.0015
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0	-100	0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	0.0	0.0	-100	0
EI - Methyl Bromide (MB)	0.0	0.0	-100	0.0	3,834.5	-100	0
Subtotal - Summation excludes Annex F	276.28	41,463.40	-99.33	988.79	40,818.39	-97.58	0.0015
F - Hydrofluorocarbons (HFCs)	-1,430	22,343,370	-100	133,766,892	218,798,264	-38.86	203.8309
Western Europe and Others - 31 (Population**: 1,449,340)							
AI - Chlorofluorocarbons (CFCs)	-945.2	788,956.6	-100	-987.8	1,044,423.1	-100	0
AII - Halons	-404.7	129,949.0	-100	-404.7	182,720.3	-100	0
BI - Other Fully Halogenated CFCs	-55.4	676.0	-100	-55.4	735.5	-100	0
BII - Carbon Tetrachloride (CTC)	-1,385.2	188,622.5	-100	-922.9	151,034.1	-100	0
BIII - Methyl Chloroform (TCA)	-36.6	53,524.1	-100	-36.6	57,141.3	-100	0
CI - Hydrochlorofluorocarbons (HCFCs)	-67.56	30,755.20	-100	-65.52	38,445.37	-100	0
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	-0.5	0.0	-100	0
CIII - Bromochloromethane (BCM)	0.5	0.0	-100	0.4	0.0	-100	0.0000
EI - Methyl Bromide (MB)	75.7	36,225.0	-99.79	70.2	33,696.7	-99.79	0.0000
Subtotal - Summation excludes Annex F	-2,818.46	1,228,708.40	-100	-2,402.82	1,508,196.37	-100	0
F - Hydrofluorocarbons (HFCs)	126,932,283	485,811,380	-73.87	248,650,273	558,072,791	-55.44	171.5610

**Annex VIIa- Production, import and export of controlled substances - comparison of 2025 with baseline:
Summary for All Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
- AII - Annex A, Group II (Halon). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
- BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
- BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
- BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
- CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
- CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
- CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
- EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
- F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024-2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011-2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			IMPORTS*	EXPORTS*
	2025	Base	% Chng	2025	2025
All Parties - 137 (Population**: 4,106,059)					
AI - Chlorofluorocarbons (CFCs)	-227.0	729,718.9	-100	40.1	0.0
AII - Halons	-22.0	127,412.0	-100	2,399.3	0.0
BI - Other Fully Halogenated CFCs	0.0	2,741.0	-100	0.0	0.0
BII - Carbon Tetrachloride (CTC)	-4,870.5	276,353.4	-100	1,106.5	58,297.1
BIII - Methyl Chloroform (TCA)	0.0	38,005.9	-100	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	128.14	26,168.70	-99.51	3,570.49	1,103.97
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.7	0.0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	154.2	27.4
EI - Methyl Bromide (MB)	0.0	5,893.1	-100	1,489.3	29.7
Subtotal - Summation excludes Annex F	-4,991.36	1,206,293.00	-100	8,760.54	59,458.12
F - Hydrofluorocarbons (HFCs)	19,929.814	189,405.976	-89.48	426,262.214	60,707.910
Article 5 Parties - 104 (Population**: 2,773,066)					
AI - Chlorofluorocarbons (CFCs)	0.0	24,512.1	-100	0.0	0.0
AII - Halons	0.0	0.0	-100	0.0	0.0
BI - Other Fully Halogenated CFCs	0.0	0.0	-100	0.0	0.0
BII - Carbon Tetrachloride (CTC)	0.0	11,629.6	-100	0.0	0.0
BIII - Methyl Chloroform (TCA)	0.0	32.4	-100	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	131.25	921.60	-85.76	2,021.88	83.99
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.0	0.0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	71.1	0.0
EI - Methyl Bromide (MB)	0.0	0.0	-100	1,037.1	2.3
Subtotal - Summation excludes Annex F	131.25	37,095.70	-99.65	3,130.09	86.24
F - Hydrofluorocarbons (HFCs)	-420.658	19,711.628	-100	295,907.393	13,953.820
Non-Article 5 Parties - 33 (Population**: 1,332,993)					
AI - Chlorofluorocarbons (CFCs)	-227.0	705,206.8	-100	40.1	0.0
AII - Halons	-22.0	127,412.0	-100	2,399.3	0.0
BI - Other Fully Halogenated CFCs	0.0	2,741.0	-100	0.0	0.0
BII - Carbon Tetrachloride (CTC)	-4,870.5	264,723.8	-100	1,106.5	58,297.1
BIII - Methyl Chloroform (TCA)	0.0	37,973.5	-100	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	-3.11	25,247.10	-100	1,548.61	1,019.98
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	0.7	0.0
CIII - Bromochloromethane (BCM)	0.0	0.0	-100	83.1	27.4
EI - Methyl Bromide (MB)	0.0	5,893.1	-100	452.1	27.4
Subtotal - Summation excludes Annex F	-5,122.61	1,169,197.30	-100	5,630.45	59,371.89
F - Hydrofluorocarbons (HFCs)	20,350.472	169,694.348	-88.01	130,354.821	46,754.090

**Annex VIIb- Production, import and export of controlled substances - comparison of 2024 with baseline:
Summary for All Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halon). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024–2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011–2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	PRODUCTION*			IMPORTS*	EXPORTS*
	2024	Base	% Chng	2024	2024
All Parties - 197 (Population**: 8,589,003)					
AI - Chlorofluorocarbons (CFCs)	-1,008.7	1,124,768.6	-100	23.2	22.4
AII - Halons	-404.7	231,127.8	-100	1,801.3	3,000.6
BI - Other Fully Halogenated CFCs	-55.4	3,344.7	-100	0.0	0.0
BII - Carbon Tetrachloride (CTC)	-1,283.8	390,170.7	-100	26,336.6	50,332.3
BIII - Methyl Chloroform (TCA)	-36.6	69,670.6	-100	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	13,280.62	74,174.70	-82.10	6,719.40	7,996.69
CII - Hydrobromofluorocarbons (HBFCs)	0.0		-100	1.3	1.6
CIII - Bromochloromethane (BCM)	0.4			139.8	130.3
EI - Methyl Bromide (MB)	75.7	40,407.4	-99.81	2,426.2	2,982.9
Subtotal - Summation excludes Annex F	10,567.52	1,933,664.50	-99.45	37,447.79	64,466.79
F - Hydrofluorocarbons (HFCs)	1,492,284.003	2,440,146.038	-38.84	918,304.689	858,510.008
Article 5 Parties - 146 (Population**: 6,724,476)					
AI - Chlorofluorocarbons (CFCs)	-20.9	108,540.6	-100	3.2	22.4
AII - Halons	0.0	44,959.8	-100	0.0	3,000.6
BI - Other Fully Halogenated CFCs	0.0	26.7	-100	0.0	0.0
BII - Carbon Tetrachloride (CTC)	96.1	57,532.2	-99.83	0.1	1,650.8
BIII - Methyl Chloroform (TCA)	0.0	152.9	-100	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	13,345.20	32,988.90	-59.55	5,112.62	7,192.33
CII - Hydrobromofluorocarbons (HBFCs)	0.0		-100	0.9	0.2
CIII - Bromochloromethane (BCM)	0.0		-100	58.8	0.0
EI - Methyl Bromide (MB)	0.0	806.3	-100	1,878.4	1,452.4
Subtotal - Summation excludes Annex F	13,420.40	245,007.40	-94.52	7,054.00	13,318.76
F - Hydrofluorocarbons (HFCs)	1,346,701.889	1,887,966.058	-28.67	677,571.295	774,368.355
Non-Article 5 Parties - 51 (Population**: 1,864,527)					
AI - Chlorofluorocarbons (CFCs)	-987.8	1,016,228.0	-100	20.0	0.0
AII - Halons	-404.7	186,168.0	-100	1,801.3	0.0
BI - Other Fully Halogenated CFCs	-55.4	3,318.0	-100	0.0	0.0
BII - Carbon Tetrachloride (CTC)	-1,379.9	332,638.5	-100	26,336.5	48,681.5
BIII - Methyl Chloroform (TCA)	-36.6	69,517.7	-100	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	-64.58	41,185.80	-100	1,606.78	804.36
CII - Hydrobromofluorocarbons (HBFCs)	0.0		-100	0.4	1.3
CIII - Bromochloromethane (BCM)	0.4			81.0	130.3
EI - Methyl Bromide (MB)	75.7	39,601.1	-99.81	547.8	1,530.5
Subtotal - Summation excludes Annex F	-2,852.88	1,688,657.10	-100	30,393.79	51,148.03
F - Hydrofluorocarbons (HFCs)	145,582.114	552,179.980	-73.64	240,733.395	84,141.653

**Annex VIIIa- Import and Export of New and Recovered controlled substances in 2025:
Summary for All Parties (ODP/CO2-eq tonnes).**

	<u>IMPORTS*</u>		<u>EXPORTS*</u>	
	New	Recovered	New	Recovered
All Parties - 137 (Population**: 4,106,059)				
AI - Chlorofluorocarbons (CFCs)	40.1	44.8	0.0	19.7
AII - Halons	2,399.3	391.7	0.0	442.6
BI - Other Fully Halogenated CFCs	0.0	0.0	0.0	0.0
BII - Carbon Tetrachloride (CTC)	1,106.5	0.0	58,297.1	0.0
BIII - Methyl Chloroform (TCA)	0.0	0.0	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	3,570.49	1.02	1,103.97	18.24
CII - Hydrobromofluorocarbons (HBFCs)	0.7	0.0	0.0	0.0
CIII - Bromochloromethane (BCM)	154.2	0.0	27.4	0.0
EI - Methyl Bromide (MB)	1,489.3	0.0	29.7	0.0
<i>Subtotal - Summation excludes Annex F</i>	<i>8,760.54</i>	<i>437.49</i>	<i>59,458.12</i>	<i>480.50</i>
F - Hydrofluorocarbons (HFCs)	426,262.214	1,969,856	60,707.910	2,006,546
Article 5 Parties - 104 (Population**: 2,773,066)				
AI - Chlorofluorocarbons (CFCs)	0.0	0.0	0.0	0.0
AII - Halons	0.0	106.9	0.0	70.0
BI - Other Fully Halogenated CFCs	0.0	0.0	0.0	0.0
BII - Carbon Tetrachloride (CTC)	0.0	0.0	0.0	0.0
BIII - Methyl Chloroform (TCA)	0.0	0.0	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	2,021.88	0.44	83.99	0.00
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	0.0	0.0
CIII - Bromochloromethane (BCM)	71.1	0.0	0.0	0.0
EI - Methyl Bromide (MB)	1,037.1	0.0	2.3	0.0
<i>Subtotal - Summation excludes Annex F</i>	<i>3,130.09</i>	<i>107.31</i>	<i>86.24</i>	<i>70.00</i>
F - Hydrofluorocarbons (HFCs)	295,907,393	683,756	13,953,820	12,824
Non-Article 5 Parties - 33 (Population**: 1,332,993)				
AI - Chlorofluorocarbons (CFCs)	40.1	44.8	0.0	19.7
AII - Halons	2,399.3	284.8	0.0	372.6
BI - Other Fully Halogenated CFCs	0.0	0.0	0.0	0.0
BII - Carbon Tetrachloride (CTC)	1,106.5	0.0	58,297.1	0.0
BIII - Methyl Chloroform (TCA)	0.0	0.0	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	1,548.61	0.58	1,019.98	18.24
CII - Hydrobromofluorocarbons (HBFCs)	0.7	0.0	0.0	0.0
CIII - Bromochloromethane (BCM)	83.1	0.0	27.4	0.0
EI - Methyl Bromide (MB)	452.1	0.0	27.4	0.0
<i>Subtotal - Summation excludes Annex F</i>	<i>5,630.45</i>	<i>330.18</i>	<i>59,371.89</i>	<i>410.49</i>
F - Hydrofluorocarbons (HFCs)	130,354,821	1,286,100	46,754,090	1,993,723

**Annex VIIIb- Import and Export of New and Recovered controlled substances in 2024:
Summary for All Parties (ODP/CO2-eq tonnes).**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halon). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was from 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was from 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.
 F - Annex F Hydrofluorocarbons (HFCs). Base for Article 5 Group 1 parties is the average HFC for 2020–2022 + 65% of HCFC baseline. Base for Article 5 parties- Group 2 is the average HFC for 2024–2026 + 65% of HCFC baseline. Base for non-Article 5 parties is the average HFC for 2011–2013 + 15% (25% for Belarus, Kazakhstan, the Russian Federation, Tajikistan and Uzbekistan) of HCFC baseline.

	IMPORTS*		EXPORTS*	
	New	Recovered	New	Recovered
All Parties - 197 (Population**: 8,589,003)				
AI - Chlorofluorocarbons (CFCs)	23.2	87.5	22.4	18.3
AII - Halons	1,801.3	1,849.3	3,000.6	1,479.2
BI - Other Fully Halogenated CFCs	0.0	0.0	0.0	0.0
BII - Carbon Tetrachloride (CTC)	26,336.6	0.0	50,332.3	0.0
BIII - Methyl Chloroform (TCA)	0.0	0.0	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	6,719.40	14.19	7,996.69	34.43
CII - Hydrobromofluorocarbons (HBFCs)	1.3	0.0	1.6	0.0
CIII - Bromochloromethane (BCM)	139.8	0.0	130.3	0.0
EI - Methyl Bromide (MB)	2,426.2	0.0	2,982.9	0.0
<i>Subtotal - Summation excludes Annex F</i>	<i>37,447.79</i>	<i>1,951.02</i>	<i>64,466.79</i>	<i>1,531.88</i>
F - Hydrofluorocarbons (HFCs)	918,304,689	1,356,472	858,510,008	2,158,267
Article 5 Parties - 146 (Population**: 6,724,476)				
AI - Chlorofluorocarbons (CFCs)	3.2	0.0	22.4	0.0
AII - Halons	0.0	362.0	3,000.6	167.1
BI - Other Fully Halogenated CFCs	0.0	0.0	0.0	0.0
BII - Carbon Tetrachloride (CTC)	0.1	0.0	1,650.8	0.0
BIII - Methyl Chloroform (TCA)	0.0	0.0	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	5,112.62	4.23	7,192.33	4.73
CII - Hydrobromofluorocarbons (HBFCs)	0.9	0.0	0.2	0.0
CIII - Bromochloromethane (BCM)	58.8	0.0	0.0	0.0
EI - Methyl Bromide (MB)	1,878.4	0.0	1,452.4	0.0
<i>Subtotal - Summation excludes Annex F</i>	<i>7,054.00</i>	<i>366.18</i>	<i>13,318.76</i>	<i>171.83</i>
F - Hydrofluorocarbons (HFCs)	677,571,295	148,373	774,368,355	0
Non-Article 5 Parties - 51 (Population**: 1,864,527)				
AI - Chlorofluorocarbons (CFCs)	20.0	87.5	0.0	18.3
AII - Halons	1,801.3	1,487.4	0.0	1,312.1
BI - Other Fully Halogenated CFCs	0.0	0.0	0.0	0.0
BII - Carbon Tetrachloride (CTC)	26,336.5	0.0	48,681.5	0.0
BIII - Methyl Chloroform (TCA)	0.0	0.0	0.0	0.0
CI - Hydrochlorofluorocarbons (HCFCs)	1,606.78	9.96	804.36	29.70
CII - Hydrobromofluorocarbons (HBFCs)	0.4	0.0	1.3	0.0
CIII - Bromochloromethane (BCM)	81.0	0.0	130.3	0.0
EI - Methyl Bromide (MB)	547.8	0.0	1,530.5	0.0
<i>Subtotal - Summation excludes Annex F</i>	<i>30,393.79</i>	<i>1,584.84</i>	<i>51,148.03</i>	<i>1,360.05</i>
F - Hydrofluorocarbons (HFCs)	240,733,395	1,208,099	84,141,653	2,158,267

Annex IXa - Recovered ODSs Imported and Exported by the Parties in 2025 (tonnes)

Substance Name	Annex Group	Recovered Import	Recovered Export
Article 5 Parties			
<u>Albania</u>			
HCFC-22	CI	8.01640	
HFC-125	F	69.02719	1.43880
HFC-134a	F	179.34652	0.13080
HFC-143a	F	35.05952	1.70040
HFC-32	F	42.89777	
Sub-total 2025 Albania		334.34740	3.27000
<u>Brazil</u>			
HALON-1211	AII	3.18000	0.00100
HALON-1301	AII	8.59800	
Sub-total 2025 Brazil		11.77800	0.00100
<u>Colombia</u>			
HALON-1301	AII		7.00000
<u>Niue</u>			
HFC-134a	F	0.01400	
HFC-32	F	0.00500	
Sub-total 2025 Niue		0.01900	
<u>Philippines</u>			
HALON-1211	AII	0.05600	
HALON-1301	AII	0.96800	
Sub-total 2025 Philippines		1.02400	
<u>Trinidad and Tobago</u>			
HALON-1301	AII	0.15000	
Sub-total 2025 Article 5 Parties		347.31840	10.27100
Non-Article 5 Parties			
<u>Australia</u>			
CFC-115	AI	0.02000	
HALON-1301	AII	0.00550	
HCFC-123**	CI	0.34400	
HCFC-124**	CI	0.63800	
HCFC-141B	CI	0.63800	
HCFC-142B	CI	0.02300	
HCFC-22	CI	5.03300	
HFC-125	F	9.38000	
HFC-134a	F	7.71100	
HFC-143a	F	4.35700	
HFC-32	F	6.48500	
Sub-total 2025 Australia		34.63450	
<u>Canada</u>			
CFC-11	AI	0.00090	13.82763
CFC-113	AI	0.00000	0.18396
CFC-115	AI	0.00003	1.15886
CFC-12	AI	0.00021	3.67507
HCFC-123**	CI		17.79724
HCFC-124**	CI		0.83229
HCFC-141B	CI	0.00178	27.35000
HCFC-142B	CI		0.43592
HCFC-21	CI		0.40440
HCFC-22	CI	0.00053	44.46858
HFC-125	F	6.73204	57.76115
HFC-134a	F	0.61215	35.33539
HFC-143a	F	7.95601	11.62234
HFC-152a	F		0.11636
HFC-23	F		1.22875
HFC-245fa	F	0.00034	5.16400
HFC-32	F	0.00004	38.21680
Sub-total 2025 Canada		15.30400	259.57873
<u>European Union</u>			
CFC-11	AI	7.15100	
CFC-12	AI	37.61800	
HALON-1211	AII	6.02100	15.78600
HALON-1301	AII	15.07700	27.77800
HALON-2402	AII	2.14600	0.16800
HCFC-141B	CI	0.28100	
HCFC-22	CI	3.20700	107.76000
HFC-125	F	4.13300	
HFC-134a	F	7.88500	
HFC-143a	F	0.20200	
HFC-32	F	13.14200	

Sub-total 2025 European Union		96.86300	151.49200
<u>Japan</u>			
HCFC-123**	CI		10.18200
HCFC-22	CI		31.53259
HFC-125	F	257.96250	315.26493
HFC-134a	F		33.04370
HFC-143a	F		7.24168
HFC-32	F	257.96250	307.67372
Sub-total 2025 Japan		515.92500	704.93860
<u>New Zealand</u>			
CFC-115	AI		0.02000
CFC-12	AI		0.05000
HALON-1301	AI		0.00113
HCFC-123**	CI		0.34425
HCFC-124**	CI		0.64260
HCFC-141B	CI		20.63788
HCFC-142B	CI		0.00593
HCFC-22	CI		5.15000
HFC-125	F	1.77560	11.04030
HFC-134a	F	25.22960	9.78824
HFC-143a	F	0.38480	5.97417
HFC-152a	F		0.01215
HFC-227ea	F		0.02782
HFC-32	F	1.45000	5.55254
Sub-total 2025 New Zealand		28.84000	59.24701
<u>Norway</u>			
CFC-115	AI		0.16060
CFC-12	AI		1.18216
CFC-13	BI		0.01230
HALON-1211	AI	0.11801	0.00424
HALON-1301	AI	0.03939	0.02685
HFC-125	F	0.07744	23.61800
HFC-134a	F	0.00704	17.26800
HFC-143a	F	0.09152	7.17000
HFC-152a	F	1.60000	0.02100
HFC-227ea	F		3.34800
HFC-23	F		0.00400
HFC-32	F		18.35300
Sub-total 2025 Norway		1.93340	71.16815
<u>United Kingdom of Great Britain and Northern Ireland</u>			
HALON-1211	AI	8.06200	4.31700
HALON-1301	AI	7.81200	3.31700
HCFC-22	CI		34.99000
HFC-227ea	F		0.99800
Sub-total 2025 United Kingdom of Great Britain and Northern Ireland		15.87400	43.62200
Sub-total 2025 Non-Article 5 Parties		709.37390	1,290.04649
Total 2025 All Parties		1,056.69230	1,300.31749

Annex IXb - Recovered ODSs Imported and Exported by the Parties in 2024 (tonnes)

Substance Name	Annex Group	Recovered Import	Recovered Export
Article 5 Parties			
<u>Albania</u>			
HFC-125	F	21.45375	
HFC-134a	F	6.75740	
HFC-143a	F	12.99500	
HFC-32	F	8.19885	
Sub-total 2024 Albania		49.40500	
<u>Brazil</u>			
HALON-1211	All	3.20200	0.00000
HALON-1301	All	10.58300	0.54000
Sub-total 2024 Brazil		13.78500	0.54000
<u>China</u>			
HALON-1301	All		0.01000
HCFC-22	Cl		10.74000
Sub-total 2024 China			10.75000
<u>India</u>			
HALON-1211	All	19.51200	2.20000
HALON-1301	All	14.41600	
Sub-total 2024 India		33.92800	2.20000
<u>Philippines</u>			
HALON-1211	All	0.20641	
HALON-1301	All	2.90000	
Sub-total 2024 Philippines		3.10641	
<u>Republic of Korea</u>			
HALON-1301	All		15.50000
<u>Singapore</u>			
HALON-1301	All	1.36000	
HCFC-123**	Cl		8.00000
HCFC-22	Cl	76.89000	72.32000
Sub-total 2024 Singapore		78.25000	80.32000
<u>Trinidad and Tobago</u>			
HALON-1301	All	0.06000	
Sub-total 2024 Article 5 Parties		178.53441	109.31000
Non-Article 5 Parties			
<u>Australia</u>			
CFC-115	Al	0.12700	
CFC-12	Al	2.30000	
HCFC-22	Cl	4.55700	
HFC-125	F	17.41800	
HFC-134a	F	9.11400	
HFC-152a	F	2.81100	
HFC-32	F	5.40900	
Sub-total 2024 Australia		41.73600	
<u>Canada</u>			
CFC-11	Al	0.00080	8.33293
CFC-113	Al	0.00000	0.41564
CFC-114	Al		0.18848
CFC-115	Al	0.00002	1.94127
CFC-12	Al	0.00037	5.14157
HCFC-123**	Cl	0.00001	2.11896
HCFC-124**	Cl		1.32915
HCFC-141B	Cl	0.00166	16.45000
HCFC-142B	Cl		0.40757
HCFC-22	Cl	0.00097	65.39588
HFC-125	F	0.00004	39.57081
HFC-134a	F	0.00015	30.37673
HFC-143a	F	0.00001	8.29690
HFC-152a	F		0.26865
HFC-245fa	F	0.00063	6.24000
HFC-32	F	0.00004	27.41168
Sub-total 2024 Canada		0.00468	213.88622
<u>European Union</u>			
CFC-11	Al	0.13700	
CFC-115	Al	0.08000	
CFC-12	Al	42.78200	
HALON-1211	All	4.31200	33.84400
HALON-1301	All	28.82900	24.61600

HALON-2402	All	0.25100	
HCFC-123**	CI	0.02500	
HCFC-124**	CI	0.07400	
HCFC-141B	CI	0.00900	
HCFC-142B	CI	0.01500	
HCFC-22	CI	6.55100	86.04000
HFC-125	F	5.84020	
HFC-134a	F	1.89300	
HFC-143a	F	0.28200	
HFC-32	F	28.60500	
Sub-total 2024 European Union		119.68520	144.50000
Holy See			
HFC-125	F	0.00500	
HFC-143a	F	0.00500	
Sub-total 2024 Holy See		0.01000	
Israel			
HALON-1301	All	2.83400	
HCFC-22	CI	67.75200	
Sub-total 2024 Israel		70.58600	
Japan			
HCFC-123**	CI		24.11143
HCFC-133	CI		0.00000
HCFC-22	CI		335.49189
HFC-125	F	40.40500	369.63810
HFC-134a	F		0.56760
HFC-143a	F		7.37880
HFC-32	F	40.40500	363.39450
Sub-total 2024 Japan		80.81000	1,100.58232
Liechtenstein			
HFC-125	F	0.02399	0.00899
HFC-134a	F	0.00090	0.06473
HFC-143a	F	0.01118	0.00094
HFC-23	F	0.00160	
HFC-32	F	0.01320	0.00754
Sub-total 2024 Liechtenstein		0.05086	0.08220
New Zealand			
CFC-115	AI		0.06000
CFC-12	AI		1.16000
HCFC-124**	CI		0.02000
HCFC-22	CI		3.41000
HFC-125	F	3.88500	17.17648
HFC-134a	F	10.04000	8.19314
HFC-143a	F		8.02970
HFC-152a	F		0.02000
HFC-32	F	3.88500	6.19513
Sub-total 2024 New Zealand		17.81000	44.26445
Norway			
CFC-113	AI		0.00800
CFC-115	AI		0.08400
CFC-12	AI		1.84900
HALON-1211	All	0.05200	2.10100
HALON-1301	All	0.02600	2.79600
HALON-2402	All		0.15300
HCFC-124**	CI		0.05200
HCFC-142B	CI		0.00400
HCFC-22	CI		6.13500
HFC-125	F		21.52100
HFC-134a	F		7.83000
HFC-143a	F		17.90600
HFC-152a	F		0.02400
HFC-227ea	F		4.83300
HFC-23	F		0.01600
HFC-32	F		17.15300
Sub-total 2024 Norway		0.07800	82.46500
Switzerland			
HALON-1301	All		5.36110
HFC-125	F	4.77538	1.79054
HFC-134a	F	0.17896	12.86905
HFC-143a	F	2.22609	0.18937
HFC-23	F	0.31144	
HFC-32	F	2.62680	1.49988
Sub-total 2024 Switzerland		10.11867	21.70995
United Kingdom of Great Britain and Northern Ireland			
CFC-11	AI	0.00472	

HALON-1211	All	6.78600	6.50800
HALON-1301	All	30.86100	18.59400
HCFC-22	CI	0.90000	
HFC-227ea	F	1.55000	
HFC-245fa	F	0.02100	
Sub-total 2024 United Kingdom of Great Britain and Northern Ireland		40.12272	25.10200
United States of America			
CFC-11	AI	28.24000	
CFC-113	AI	0.37000	
CFC-114	AI	0.18000	
CFC-115	AI	1.81000	
CFC-12	AI	12.36000	
HALON-1211	All	0.07000	2.28000
HALON-1301	All	82.67000	66.33000
HCFC-123**	CI	34.12000	
HCFC-124**	CI	1.32000	
HCFC-141B	CI	11.50000	
HCFC-142B	CI	0.41000	
HCFC-22	CI	64.83000	
HFC-125	F	184.75000	1.29000
HFC-134a	F	29.96000	
HFC-143a	F	8.07000	
HFC-152a	F	0.25000	
HFC-23	F	0.02000	0.21000
HFC-236fa	F		0.06000
HFC-245fa	F	5.87000	
HFC-32	F	172.86000	1.09000
Sub-total 2024 United States of America		639.66000	71.26000
Sub-total 2024 Non-Article 5 Parties		1,020.67213	1,703.85214
Total 2024 All Parties		1,199.20654	1,813.16214

Annex Xa: Reported consumption of controlled substances for laboratory uses (tonnes)

Annex Year	2010 tonnes	2011 tonnes	2012 tonnes	2013 tonnes	2014 tonnes	2015 tonnes	2016 tonnes	2017 tonnes	2018 tonnes	2019 tonnes	2020 tonnes	2021 tonnes	2022 tonnes	2023 tonnes	2024 tonnes
AI	35.15292	15.953325	13.549821	8.94287	11.524559	7.469573	3.924015	3.106801	0.127489	0.022396	0.149502	0.018795	0.001977	0.027382	4.014546
AII	0.20003	0.006	0.02	0.014	0.006	0.02	0.031	0.0502	8.50E-05	0.012028	0.000106		0.0001		4.00E-09
BI	0.002		0.002	0.01	6.00E-10	0.01			4.00E-07	0.002	0.002		3.00E-09	0.00021	6.00E-09
BII	313.97645	260.83713	204.48278	222.06573	214.4778	138.49987	151.75994	159.30528	165.56942	157.46634	124.22182	139.10196	107.27187	107.15251	95.99289
BIII	0.024044	0.021004	0.003008	0.378	0.001011	0.002013	0.003022	0.00302	0.054026	0.118037	0.190038	0.000275	4.36E-05	4.24E-05	2.95E-05
CI	0.00752	0.00805	0.00425	0.74841	0.059251	0.056209	0.019013	0.00228	0.012	0.015037	0.069031	0.027153	9.281858	0.176155	0.00099
CII	0.001		0.001	0.024	0.005	0.022	0.011	0.2018	0.003	0.002	0.011	0.001115	0.000101	3.08E-05	9.40E-07
CIII		0.001	0.00299	0.006974	0.00198	0.002994	0.006956	0.003001	0.013111	0.01393	0.043008	0.003983	0.001093	0.000005	0.00101
EI	0.000201	0.017	0.00335	0.00796	0.01831	0.0239	0.00835	0.00428	0.104	0.34666	0.07927	0.00521	0.065282	0.025642	0.020306
F												0.0085	0.01	0.02	0.058003
Total	349.36416	276.84351	218.06920	232.19794	226.09391	146.10656	155.76330	162.67667	165.88313	157.99842	124.76577	139.16699	116.63232	107.40198	100.08778

NB: Consumption for laboratory uses is the sum of production for laboratory uses within the producing party and imports for laboratory uses within the importing party

Annex Xb: Reported production of controlled substances for laboratory uses (tonnes)

Annex Year	2010 tonnes	2011 tonnes	2012 tonnes	2013 tonnes	2014 tonnes	2015 tonnes	2016 tonnes	2017 tonnes	2018 tonnes	2019 tonnes	2020 tonnes	2021 tonnes	2022 tonnes	2023 tonnes	2024 tonnes
AI	11.2			4.415	1.755	3.438		2.975							
AII				0.002	0.005	0.02	0.03			0.012					
BI				0.01		0.01								0.00021	
BII	311.6903	257.74	202.7	219.645	213.15	137.3	150.9	158.9	165	156.87	123.59	138.59	106.63	106.55	95.67
BIII				0.001											
CI				0.727	0.056	0.02							0.00021		0.000426
CII				0.022	0.005	0.02									
EI	0.0002			0.00351	0.01506	0.021	0.005			0.33066	0.02327	0.0052	0.06527	0.02564	0.020301
F													0.01	0.02	0.058
Total	322.8905	257.74	202.7	224.8255	214.9861	140.829	150.935	161.875	165	157.2127	123.6133	138.5952	106.7055	106.5959	95.74873

NB: Production for laboratory uses is for use within the producing party and therefore contributes to the total consumption by that party.

Annex XI: Consolidated record of cases of excess production or consumption attributable to stockpiling in accordance with decisions XVIII/17 and XXII/20 – Last updated August 2026

<i>Year</i>	<i>Party</i>	<i>Annex group</i>	<i>Deviation due to stockpiling ODP-tonnes</i>	<i>Expected use for the stockpile resulting in deviation</i>
2025	Netherlands	B/II	1.6	Destruction: Unintentional by-production
2024	European Union	B/II	4.6	Destruction: Unintentional by-production
	France	B/II	3.8	Destruction: Unintentional by-production
	Israel	C/III	4.1	Stockpiled to be destroyed in a future year (scenario (b) of decisions XVIII/17 and XXII/20)
		EI	79.8	Stockpiled to be exported or used for feedstock in a future year (scenario (a) of decisions XVIII/17 and XXII/20)
	Spain	B/III	0.8	Stockpiled to be destroyed in a future year (scenario (a) of decisions XVIII/17 and XXII/20)
2023	European Union	B/II	2 058.6	Destruction: Unintentional by-production
		B/III	0.6	Destruction: Unintentional by-production
	Israel	C/III	3.5	Domestic feedstock use or export for feedstock in future years
	France	B/II	46.4	Destruction: Unintentional by-production
	Germany	C/III	0.2	Destruction: Unintentional by-production
	Spain	B/III	0.8	Destruction: Unintentional by-production
2022	European Union	B/III	0.2	Destruction: Unintentional by-production
	Israel	C/III	3.9	Export for feedstock in future years
		EI	76.7	Export for feedstock or QPS uses in future years
	Spain	B/III	0.6	Destruction: Unintentional by-production
	United Kingdom	A/I	2.7	Destruction: Unintentional by-production
2021	Belgium	B/II	1.9	Destruction: Unintentional by-production
	European Union	B/II	2,446.3	Destruction: Unintentional by-production
	France	B/II	170.9	Export for feedstock in future years and some unintentional by-production to be destroyed.
	Israel	C/III	5.3	Export for feedstock in future years
		E/I	247.4	Export for feedstock or QPS uses in future years
2020	Belgium	B/II	157.2	Destruction: Unintentional by-production
	Germany	B/II	902.5	Destruction: Unintentional by-production
	Israel	C/III	1.7	Export for feedstock in future years
	Netherlands	B/II	913.4	Destruction: Unintentional by-production
	Spain	B/II	255.6	Destruction: Unintentional by-production
		B/III	0.6	
2019	Belgium	B/II	180.9	Destruction: Unintentional by-production
	European Union	B/II	1,008.7	Export for feedstock uses and destruction (unintentional by-production)
	Germany	B/II	2,702.9	Destruction: Unintentional by-production
	Netherlands	F	3,871,011	Destruction: Unintentional by-production
	Spain	B/II	327.6	Destruction: Unintentional by-production
		B/III	0.6	
2018	Germany	B/II	3,172.1	Destruction: Unintentional by-production
	Israel	C/III	16	Export for feedstock in future years
2017	Czech Republic	B/II	53.7	Destruction: Unintentional by-production
	Israel	E/I	70.3	Feedstock uses or for export for feedstock
	Russian Federation	A/I	4	Feedstock use in future years (used in 2018)
2016	Israel	E/I	245.2	Feedstock uses or for export for feedstock
	USA	C/II	0.7	Destruction
		E/I	18.2	Exports for Critical Uses
2015	Czech Republic	B/II	78.0	Destruction: Unintentional by-production
	European Union	B/II	91.0	Destruction: Unintentional by-production
2014	France	B/II	29.6	Destruction: Unintentional by-production
	Israel	C/III	17.3	Export for feedstock in future years
2013	European Union	C/II	0.2	Feedstock use in future years
	France	B/II	131.7	Destruction: Unintentional by-production.
	Israel	C/III	3.5	Export for feedstock in future years

<i>Year</i>	<i>Party</i>	<i>Annex group</i>	<i>Deviation due to stockpiling ODP-tonnes</i>	<i>Expected use for the stockpile resulting in deviation</i>
2025	Netherlands	B/II	1.6	Destruction: Unintentional by-production
2024	European Union	B/II	4.6	Destruction: Unintentional by-production
	France	B/II	3.8	Destruction: Unintentional by-production
	Israel	C/III	4.1	Stockpiled to be destroyed in a future year (scenario (b) of decisions XVIII/17 and XXII/20)
		EI	79.8	Stockpiled to be exported or used for feedstock in a future year (scenario (a) of decisions XVIII/17 and XXII/20)
	Spain	B/III	0.8	Stockpiled to be destroyed in a future year (scenario (a) of decisions XVIII/17 and XXII/20)
2023	European Union	B/II	2 058.6	Destruction: Unintentional by-production
		B/III	0.6	Destruction: Unintentional by-production
	Israel	C/III	3.5	Domestic feedstock use or export for feedstock in future years
	France	B/II	46.4	Destruction: Unintentional by-production
	Germany	C/III	0.2	Destruction: Unintentional by-production
	Spain	B/III	0.8	Destruction: Unintentional by-production
		E/I	659.5	Export for basic domestic needs of Article 5 parties - to be exported in 2014
	USA	E/I	15.4	Exports for Critical Uses
2012	European Union	B/II	1,075.3	Unintentional production - to be Destroyed in future years
			786.5	Production for feedstock - for export in future years.
	France	B/II	1,940.1	Destruction: Unintentional by-production.
	Israel	E/I	649.4	Export for basic domestic needs of Article 5 parties - to be exported in 2013
	United States of America	E/I	5.8	Exports for Critical Uses
2011	Germany	B/II	1,677.5	Destruction: Unintentional by-production.
	Israel	C/III	14	Export for feedstock – was exported in 2012
	United States of America	E/I	166.2	BDN 153.8 ODP-t and Export for critical uses 12.4 ODP t
2010	India	A/I	24.4	Destruction
	Israel	E/I	13.8	Feedstock
	United States of America	E/I	16.5	Export for critical uses - was exported in 2011
			445.9	Export for basic domestic needs of Article 5 parties
2009	Israel	E/I	284.2	Operational reserve. Was included in 2010 exports
	United Kingdom	C/II	1.2	Export for feedstock in future years
2008	European Union	C/II	0.4	Feedstock uses or for export for feedstock
		E/I	90.7	Exported in subsequent years.
2007	China	B/I	0.1	Export for basic domestic needs of Article 5 parties
	Romania	B/II	34.6	Destruction
	United Kingdom	B/II	1,901.9	Destruction/feedstock uses or for export for feedstock
	United States	C/II	2.7	Destruction
		E/I	17.5	Export for basic domestic needs of Article 5 parties
2006	Czech Republic	B/II	67.4	Destruction
	India	A/I	219.8	Export for basic domestic needs of Article 5 parties
	Spain	B/II	136.4	Destruction
	United Kingdom	B/II	2,214.3	Destruction or feedstock uses or for export for feedstock
	Venezuela (Bolivarian Republic of)	A/I	985.1	Export for basic domestic needs of Article 5 parties
2005	Venezuela (Bolivarian Republic of)	A/I	190.0	Feedstock uses or for export for feedstock
2004	Netherlands	B/I	2.0	Destruction
	United States	B/III	0.5	Export for basic domestic needs of Article 5 parties
		E/I	1,986.2	
2003	Czech Republic	B/II	94.6	Destruction
	Germany	A/I	118.8	Feedstock uses or for export for feedstock
	Russian Federation	B/II	40.4	Feedstock uses or for export for feedstock
	United States	B/III	1.6	Export for basic domestic needs of Article 5 parties
2002	Czech Republic	B/II	132.0	Destruction

<i>Year</i>	<i>Party</i>	<i>Annex group</i>	<i>Deviation due to stockpiling ODP-tonnes</i>	<i>Expected use for the stockpile resulting in deviation</i>
2025	Netherlands	B/II	1.6	Destruction: Unintentional by-production
2024	European Union	B/II	4.6	Destruction: Unintentional by-production
	France	B/II	3.8	Destruction: Unintentional by-production
	Israel	C/III	4.1	Stockpiled to be destroyed in a future year (scenario (b) of decisions XVIII/17 and XXII/20)
		EI	79.8	Stockpiled to be exported or used for feedstock in a future year (scenario (a) of decisions XVIII/17 and XXII/20)
	Spain	B/III	0.8	Stockpiled to be destroyed in a future year (scenario (a) of decisions XVIII/17 and XXII/20)
2023	European Union	B/II	2 058.6	Destruction: Unintentional by-production
		B/III	0.6	Destruction: Unintentional by-production
	Israel	C/III	3.5	Domestic feedstock use or export for feedstock in future years
	France	B/II	46.4	Destruction: Unintentional by-production
	Germany	C/III	0.2	Destruction: Unintentional by-production
	Spain	B/III	0.8	Destruction: Unintentional by-production
	Netherlands	B/I	3.0	Destruction or feedstock uses or for export for feedstock
2001	United States	B/II	812.9	Export for basic domestic needs of Article 5 parties
		B/III	3.5	
2000	France	B/II	426.8	Export for basic domestic needs of Article 5 parties
	United States	A/I	0.8	Export for basic domestic needs of Article 5 parties
		B/III	287.8	
1999	Germany	A/I	99.8	Feedstock uses or for export for feedstock
	United States	A/I	0.8	Export for basic domestic needs of Article 5 parties
		B/III	241.2	

Note:

- Some of these explanations were derived from the data reports submitted by the parties concerned in accordance with Article 7 of the Protocol and recorded in the annual data report of the Ozone Secretariat to the Meeting of the Parties.
- The quantities are rounded to one decimal place.

Annex XII: Reported production of phased-out substances (tonnes)

Year	Substances	Annex group	Number of parties reporting	Total production for all uses and for exports (tonnes)	Production for own feedstock uses (tonnes)	Production for own essential or critical uses (tonnes)	Exported for feedstock uses (tonnes)	Exported for essential or critical uses of other parties (tonnes)	Amounts destroyed by the producers (tonnes)	Production for quarantine and pre-shipment uses (tonnes)
2024	Chlorofluorocarbons (CFCs)	AI	6	179,037	178,988	-	3	-	395	
	Halons	AII	4	1,843	1,543	-	300	-	14	
	Carbon Tetrachloride (CTC)	BII	14	352,946	319,093	96	23,843	-	10,841	
	Methyl Chloroform (TCA)	BIII	3	46,781	46,667	-			480	
	Hydrobromofluorocarbons	CII	3	3	1	-	1	-		
	Bromochloromethane (BCM)	CIII	3	3,254	2,131	-	1,086	-	15	
	Methyl Bromide (MB)	EI	6	12,106	2,978	0	61	-	7	8,935
	TOTALS		15	595,970	551,401	96	25,294	-	11,751	8,935
2023	Chlorofluorocarbons (CFCs)	AI	5	222190	221632	0	402	0	241	
	Halons	AII	3	1866	1566	0	300	0	5	
	Other Fully Halogenated CFCs	BI	1	0		0				
	Carbon Tetrachloride (CTC)	BII	12	361968	326314	107	28075	0	9204	
	Methyl Chloroform (TCA)	BIII	3	52551	52482	0			381	
	Hydrobromofluorocarbons	CII	3	3	1	0	2	0		
	Bromochloromethane (BCM)	CIII	3	4430	3566	0	832	0	3	
	Methyl Bromide (MB)	EI	5	10581	2487	0	149	5	8	8026
	TOTALS		14	653,589	608,046	107	29,760	5	9,842	8,026
2022	Chlorofluorocarbons (CFCs)	AI	5	218076	216088	0	1844	0	222	
	Halons	AII	3	2387	2107	0	280	0	13	
	Carbon Tetrachloride (CTC)	BII	12	361856	328608	107	23167	0	11252	
	Methyl Chloroform (TCA)	BIII	3	81581	81400	0			371	
	Hydrobromofluorocarbons	CII	2	2	1	0	2	0		
	Bromochloromethane (BCM)	CIII	4	7909	6202	0	1671	0	3	
	Methyl Bromide (MB)	EI	5	11493	2390	0	96	15	9	8865
	TOTALS		14	683,305	636,796	107	27,059	15	11,870	8,865
2021	Chlorofluorocarbons (CFCs)	AI	4	219860	218005	0	1665	0	240	
	Halons	AII	3	1816	1636	0	180	0	0	
	Carbon Tetrachloride (CTC)	BII	12	335438	293334	139	33914	0	8473	
	Methyl Chloroform (TCA)	BIII	3	87136	86889	0			697	
	Hydrobromofluorocarbons	CII	3	3	1	0	2	0		
	Bromochloromethane (BCM)	CIII	3	5614	4609	0	960	0	1	
	Methyl Bromide (MB)	EI	5	13765	2267	0	337	16	50	10737
	TOTALS		13	663,632	606,742	139	37,058	16	9,461	10,737
2020	Chlorofluorocarbons (CFCs)	AI	4	188008	186349	0	1515	0	230	
	Halons	AII	3	1486	1266	0	220	0	2	
	Carbon Tetrachloride (CTC)	BII	12	299179	273346	124	16553	0	9320	
	Methyl Chloroform (TCA)	BIII	3	69558	69199	0			682	
	Hydrobromofluorocarbons	CII	3	3	2	0	2	0		
	Bromochloromethane (BCM)	CIII	3	4472	3657	0	801	0	2	
	Methyl Bromide (MB)	EI	5	13396	3061	0	236	26	19	10143
	TOTALS		13	576,102	536,880	124	19,327	26	10,254	10,143

Annex XIII: Reported Feedstock uses of controlled substances in tonnes

Annex Year	2010 tonnes	2011 tonnes	2012 tonnes	2013 tonnes	2014 tonnes	2015 tonnes	2016 tonnes	2017 tonnes	2018 tonnes	2019 tonnes	2020 tonnes	2021 tonnes	2022 tonnes	2023 tonnes	2024 tonnes
AI	214,079	187,219	222,143	182,925	170,770	87,337	155,897	200,947	175,144	154,198	187,639	219,240	218,374	222,074	179,008
AII	900	1,270	1,471	2,163	1,342	871	753	1,360	1,805	1,306	1,486	1,796	2,307	1,846	1,723
BI	24	0					0								
BII	178,968	194,620	192,642	188,872	214,483	213,893	221,554	255,371	281,112	316,397	288,935	319,792	357,987	348,609	343,035
BIII	116,723	110,926	101,521	107,259	105,323	85,122	93,036	86,244	103,832	83,817	69,199	86,889	81,400	52,482	46,667
CI	536,674	656,586	647,750	686,309	712,232	693,498	734,758	826,363	905,428	936,002	934,752	1,133,786	1,273,486	1,333,028	1,371,165
CII	29	72	78	66	112	129	126	63	2	4	4	2	3	18	3
CIII	1,638	1,354	1,174	1,272	1,292	1,415	1,965	1,985	1,690	1,581	4,250	5,094	7,079	4,413	3,296
EI	7,411	4,948	4,204	5,797	4,462	4,072	4,248	3,250	3,067	3,497	3,337	2,617	2,537	3,297	3,052
F		3,914	5,822	4,438					0	5,575	82,416	106,878	112,833	183,539	211,147
TOTAL	1,056,446	1,160,909	1,176,805	1,179,101	1,210,018	1,086,336	1,212,336	1,375,582	1,472,081	1,502,376	1,572,017	1,876,095	2,056,006	2,149,306	2,159,096

NB: Feedstock uses is the sum of production for feedstock uses within a party and imports for feedstock uses within the same party

Annex XIV: Number of Parties Reporting Feedstock uses of controlled substances

Annex\Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
AI	5	4	5	4	4	5	4	4	5	4	6	6	6	6	5
AII	3	4	4	3	3	2	2	4	4	4	4	4	4	3	3
BI	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0
BII	11	10	10	11	11	12	12	12	10	8	9	9	10	8	9
BIII	2	3	3	3	2	2	3	2	2	2	2	2	2	2	2
CI	13	13	12	14	15	14	14	12	11	11	12	13	12	13	15
CII	4	4	6	6	7	6	5	4	5	6	5	4	5	6	6
CIII	5	4	3	5	5	4	6	6	6	6	5	6	6	6	7
EI	8	8	8	10	6	8	6	5	6	6	6	5	5	6	7
F	0	3	3	3	0	0	0	0	1	2	4	5	4	6	8
TOTAL*	18	18	18	19	20	20	18	18	17	16	14	16	15	17	20

* TOTAL represents the number of **unique (different)** Parties reporting uses of all controlled substances for feedstock purposes.

Annex XV: Consumption of methyl bromide for quarantine and pre-shipment uses reported by Parties (in tonnes)

Party	2010 t	2011 t	2012 t	2013 t	2014 t	2015 t	2016 t	2017 t	2018 t	2019 t	2020 t	2021 t	2022 t	2023 t	2024 t
Argentina	31.0	39.0	59.4	124.9	69.1	40.4	43.1	40.2	40.4	39.3	43.0	44.0	44.8	25.1	57.1
Australia	471.9	689.5	675.5	617.9	488.5	864.3	708.5	897.8	682.0	793.8	695.1	641.2	723.9	433.6	706.1
Bahrain	4.9	4.9		1.0	4.0	0.5	8.3			7.5	13.7	11.4	13.1	1.8	12.5
Barbados			0.2							0.1				0.1	
Belize	0.1		0.1												
Brazil	132.1	84.4	74.2	89.2	73.0	56.5	70.6	28.4	83.7	74.2	100.6	87.5	55.5	97.8	108.2
Cameroon	21.0	23.0	23.0	35.0	20.0										
Canada	3.4	1.4	1.8	0.4	1.0	0.5		1.0	4.1	4.0	5.5	4.1	3.3	3.5	2.2
Chile	143.9	22.2	108.2	63.9	88.7	58.0	43.1	100.1	100.6	116.4	73.0	75.3	51.4	84.9	14.0
China	1,258.9	1,173.6	1,094.3	1,102.4	1,125.0	932.1	1,141.6	1,360.7	1,227.8	871.2	797.6	735.2	496.7	351.5	427.0
Costa Rica	4.0	5.0	4.9	7.5		1.7	9.9	40.0	40.0	34.7	11.0	17.5	7.8	7.0	18.2
Côte d'Ivoire	7.0			5.0		5.0									
Cuba	0.5	1.5													
Dominican Republic	25.2	25.7	29.4	30.0	20.7	30.0	18.0	19.7	22.0	18.0		15.0	15.0		
Egypt	309.0	205.0	439.0	238.0	226.0	278.0	315.0	470.0	360.0	230.0	152.0	268.0	286.0	224.0	256.0
El Salvador	106.8	164.6	109.5	189.3	157.2	200.2	139.6	227.7	65.8	192.9	171.4	193.0	198.7	255.1	74.8
Eswatini	0.3	0.4	0.2	0.2	0.2										
Ethiopia										11.9	20.9	12.9		12.9	
Fiji	12.8	15.0	16.3	11.9	13.8	24.7	12.8	10.8	16.5	17.9	15.9	12.8	19.6	8.2	20.0
Georgia	1.5	0.8													
Guatemala	16.0	46.9	37.0	24.0	47.7	46.5	20.0	24.3		10.0	10.0	23.0			21.0
Guyana									1.0						
Honduras	11.8	9.3	21.4	18.2	22.8	23.1	29.7	32.0	33.5	31.2	26.5	12.0	12.0	17.2	13.2
India	379.2	581.1	759.5	624.5	280.9	329.5	1,180.9	1,384.4	1,551.7	1,778.4	2,104.1	1,553.4	1,541.0	1,490.8	1,706.5
Indonesia	313.3	243.3	202.0	254.0	256.0	224.0	128.0	96.0	89.5	135.8	72.0	80.0	180.6	126.5	114.0
Iran (Islamic Republic of)	28.0	26.0	25.0	11.0	20.0	20.0	22.0	10.0	22.0	22.0	22.0	22.0	22.0		
Israel	8.5	12.0	10.4	13.2	14.0	12.0	10.4	10.6			8.4	9.1	10.0	11.9	12.1
Jamaica	2.0	1.5	2.0	2.0	2.0		1.3	3.0	6.0	3.3	4.2	4.8	4.8	4.8	
Japan	603.5	723.8	594.8	499.4	450.2	449.0	434.1	445.0	483.1	467.9	450.7	467.1	475.1	431.1	369.5
Jordan	12.0	12.0	12.0	10.0	12.0	12.0	12.0	10.0	8.0	8.0	8.0	8.0	7.0	7.0	
Kazakhstan				63.4	10.2										
Kenya	85.5	93.1		20.0	2.0	2.0	0.5	8.8			2.8	1.5			
Kiribati				0.1			0.0	0.1							
Kyrgyzstan		1.0	1.1	1.0		0.8									
Lebanon		50.4	50.0	33.4											
Malaysia		148.2	124.8	157.2	152.5	108.0	106.2	176.0	169.0	170.5	136.0	117.0	116.6	114.5	132.1
Mexico	453.1	519.7	502.0	502.8	505.7	497.2	494.3	501.5	339.9	270.4	239.4	424.1	259.8	342.7	421.3
Morocco	10.0	10.0	10.0	10.0	7.0	9.0	9.0		9.2	10.0	10.2	10.0	10.0	10.0	10.0
Mozambique	48.0	40.8	0.6												
Myanmar		149.0	121.2	80.0	80.0		14.0		36.0	25.0	55.0	26.0	45.0	50.0	68.0
New Zealand	406.4	469.1	564.7	565.2	519.9	522.0	591.7	585.9	664.4	672.8	617.6	857.2	6.2	36.3	26.7
Nicaragua	18.8	13.5	19.0	18.0	23.0	27.5	16.0	19.2	39.5	29.7	28.1	14.1	35.9	42.3	
Nigeria										4.5		10.0	12.5	15.0	45.0
Norway	0.0														
Oman		2.0													
Pakistan	24.0		24.0		40.0	67.7	102.2	178.0	458.5	224.0	224.0	368.0	560.5	468.5	600.0

Party	2010 t	2011 t	2012 t	2013 t	2014 t	2015 t	2016 t	2017 t	2018 t	2019 t	2020 t	2021 t	2022 t	2023 t	2024 t
Papua New Guinea	10.0	0.9		20.0	0.9	6.5		8.5		1.9			0.5	0.3	
Peru		0.4		4.0	3.3	2.5	4.0	2.0		2.0	5.6		3.0		1.0
Philippines	72.2	54.5	48.0	31.0	37.6	57.8	23.8	23.8	26.1	34.3	16.3	40.9	29.4	24.5	16.3
Qatar		3.0													
Republic of Korea	574.1	639.0	445.3	542.1	432.3	265.8	630.4	449.2	480.9	448.4	321.7	379.7	338.0	308.0	113.0
Samoa	0.3				1.0										
Saudi Arabia	15.0	18.0	15.0	12.0	15.0	15.0	15.0	12.0	10.0	10.0	15.0	15.0	15.0		
Singapore	52.3	130.1	100.2	86.1	85.4	74.3	38.7	66.4	43.4	42.2	92.8	109.6	56.0	42.9	44.0
Solomon Islands	1.4	1.4	1.2	1.0	1.5	1.0	1.0	0.5	1.0						
South Africa							59.6	16.4	48.1	79.2	32.0	48.0	44.1	3.1	44.6
Sri Lanka	24.0	25.3	33.0	37.4	34.0	31.6	21.8	28.3	39.5	27.2	33.2	35.4	38.2	36.6	56.7
Suriname								1.0	1.0	5.4	12.5				
Syrian Arab Republic	10.0	21.6										5.0	5.0	5.0	5.0
Tajikistan	1.4														
Thailand	466.8	342.5	320.2	156.1	122.7	194.7	157.4	188.1	188.1	156.1	156.1	164.1	157.7	189.4	234.8
Trinidad and Tobago	1.6	1.5	1.0	2.0	1.1	1.0	0.7								1.0
Türkiye	27.0	40.0	40.0	50.0	39.7	27.7	40.0	69.3	75.0	35.0	45.5	56.0	67.6	33.0	15.0
Turkmenistan	15.2		40.0		20.0		20.0					20.0			
Ukraine				16.0											
United Arab Emirates	54.7	59.2	57.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.0
United States of America	3,843.8	1,915.9	1,170.9	2,527.5	4,676.9	1,639.9	739.6	1,326.6	2,254.0	885.4	1,744.8	2,592.1	1,277.8	1,649.3	1,625.1
Uruguay	52.0	40.6	24.4	20.3	32.7	32.2	21.5	29.1	11.7	21.5	118.2	78.1	142.4	78.2	76.1
Uzbekistan	16.0							16.0		10.0	10.0	15.6	3.0	15.6	10.0
Vanuatu	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.6			0.6		
Viet Nam	761.0	796.0	838.0	849.7	839.7	937.4	851.2	937.3	907.6	915.5	775.1	845.2	431.5	870.0	484.9
Zimbabwe	2.0	1.0	1.0	1.0	2.0	1.0									
TOTAL (tonnes)	10,956.2	9,699.9	8,853.6	9,823.5	11,122.3	8,174.1	8,350.7	9,899.0	10,684.1	8,992.8	9,540.3	10,572.9	7,867.3	7,972.7	8,002.9
Total number of Parties	56	55	50	53	50	46	46	45	41	47	44	46	45	42	39

Annex XVI: Destruction of Controlled Substances Reported by Parties (in tonnes)

Party	2010 t	2011 t	2012 t	2013 t	2014 t	2015 t	2016 t	2017 t	2018 t	2019 t	2020 t	2021 t	2022 t	2023 t	2024 t
Australia	299.0	296.1	172.1	44.7	74.4	42.9	38.1	47.5	29.4	417.1	398.2	633.3	530.1	527.1	541.9
Belgium		67.1	31.5	39.1	28.9	62.8	4.6	3.7		1.2	1.4	218.6	212.1	113.5	163.2
Brazil	16.5														
Cameroon	6.0	8.0	11.0												
Canada															
China			11.2	10.8	18.5	17.8	12.5	168.1	16.0	101.2	68.1	10.2	10.8	7.4	18.1
Colombia					3.2	0.2	0.8								
Costa Rica					0.2			0.8	0.8	1.0	4.4	2.0	3.1	2.3	2.0
Cuba						0.5	0.5			0.1	1.3	0.2	0.1	0.5	0.0
Czechia	36.9	33.6	66.3	53.5	85.4	109.5	112.7	24.7	147.0	73.2	47.5	28.4	25.7	13.1	21.2
Denmark		100.3	101.2		149.0	145.0	95.2	113.0	88.6	99.4	20.5	29.8	56.9	37.5	27.3
Dominican Republic											14.1				
Ecuador			0.0						1.0	1.8	0.1		0.0	0.5	
Estonia			2.7		0.0	1.1	7.2	0.4	2.8	3.4	0.8	2.4	3.8	0.7	
Finland	92.0	100.5	47.6	58.5	47.6	56.2	44.7	31.5	32.0	103.5	56.0	18.6	21.4	6.3	25.1
France	3,681.3	3,483.0	1,539.8	2,583.9	4,948.6	6,197.4	4,518.4	3,517.2	7,258.1	6,483.4	4,057.6	2,029.2	1,939.5	2,056.4	2,329.8
Georgia					1.5										
Germany	3,372.1	478.8	508.1	726.1	842.8	607.5	998.7	900.5	933.3	1,519.3	1,925.5	1,642.4	1,940.6	1,522.4	3,582.4
Hungary	13.8	4.3	1.3	3.1	7.2	29.8	7.6	30.2	20.8	35.5	37.7	30.7	28.3	8.8	3.5
India			16.3	19.8		34.1					0.2	528.6	1,046.3	512.1	505.9
Israel															17.9
Italy		5.3	398.3	5.1			63.1	55.0	47.4	30.1	34.3	67.3	85.8	7.1	
Japan	2,555.6	2,587.7	2,610.9	2,530.3	2,460.4	2,644.3	2,502.4	2,159.0	1,900.2	4,822.7	449.9	495.2	698.5	687.6	645.6
Malaysia							4.9		1.5	0.7	2.2	0.1	1.4	6.6	5.7
Mexico					3.0	62.9	39.1						80.6	65.3	
Netherlands (Kingdom of the)	2.4	80.7	184.3	166.3	187.2	315.5	356.4	403.2	1,134.8	1,042.7	287.2	1,597.2	1,615.4	1,337.1	1,047.3
Nigeria									1.5						
Norway	0.4	1.2													
Poland	18.3	35.6	8.7	42.8	32.7	35.7	48.6	61.0	27.7	57.7	46.8	37.7	38.6	32.6	43.5
Republic of Korea	2,950.2	4,075.4	4,674.2	4,622.7	4,499.4	3,779.2	3,839.7	3,698.5	4,228.8	3,563.8	3,319.6	3,466.8	6,000.0	4,105.0	4,018.7
Romania	43.4	85.1	23.0	23.5	8.3	5.0	12.6	6.9	17.0	20.2	7.1	15.5	25.1		34.4
Russian Federation							230.0		0.3			200.0	467.0	509.6	463.1
Slovakia	1.4	2.6	2.6	2.4	2.4	4.8	1.6	2.3	2.3	3.3	5.9	5.4		1.6	0.2
Spain		1.0			1.4							290.7	202.9	330.6	292.1
Sweden	194.4	260.6	95.6	100.3	232.5	129.9	93.4	104.1	85.5	55.0	77.3	51.1	17.9	2.5	15.4
Switzerland												0.6			
Türkiye													1.8	3.3	2.5
United Kingdom of Great Britain and Northern Ireland		1,579.7	11.5	1,501.8	2,585.0	2,343.6	468.5	19.0	59.2	725.3	237.3	361.2	294.8	108.6	165.7
United States of America	4,442.6	4,206.9	4,002.4	2,455.7	2,213.6	2,104.4	2,433.1	2,581.2	2,477.5	3,713.8	2,743.8	2,717.2	2,439.0	3,816.4	4,107.8
Viet Nam							0.1								3.5
TOTAL (t)	17,726.2	17,493.4	14,520.6	14,990.5	18,433.3	18,729.9	15,934.7	13,928.0	18,513.6	22,875.3	13,844.9	14,480.3	17,787.2	15,822.3	18,083.7
Total Number of Parties	17	21	23	19	24	23	26	21	24	24	26	27	28	28	27.0
European Union	9,863.4	6,261.1	3,290.7	5,982.4	9,165.2	10,107.4	7,753.3	5,748.9	9,056.3	9,992.4	6,843.0	6,057.4	6,223.5	5,492.2	7,591.6

* Data reported by the European Union is included in order to fill possible gaps in reporting by the member States.

NB: Amounts of destroyed substances that do not have precise specification of the controlled substances contained therein have been excluded from the summations in the table.