

**Montreal Protocol
on Substances that
Deplete the Ozone Layer**

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**Thirty-Seventh Meeting of the Parties to
the Montreal Protocol on Substances
that Deplete the Ozone Layer**

Nairobi, 3–7 November 2025

Item 13 of the provisional agenda for the preparatory
segment*

**Compliance and data reporting issues: work and
recommendations of the Implementation Committee**

**Implementation Committee under
the Non-Compliance Procedure
for the Montreal Protocol
Seventy-fifth meeting**

Nairobi, 31 October and 1 November 2025
Item 3, 5, 6 and 7 of the provisional agenda**

**Presentation by the Ozone Secretariat on data and
information submitted under Articles 7 and 9 of the
Montreal Protocol and on related issues**

**Follow-up on previous decisions of the parties and
recommendations of the Implementation Committee on
issues related to non-compliance**

**Consideration of other possible non-compliance issues
arising from the data report**

Requests for changes in baseline data

**Information provided by parties in accordance with Articles 7
and 9 of the Montreal Protocol on Substances that Deplete the
Ozone Layer**

Report of the Secretariat

I. Introduction

1. The present report has been prepared pursuant to paragraph (c) of Article 12 of the Montreal Protocol on Substances that Deplete the Ozone Layer and contains information received to date by the Secretariat pursuant to Articles 7 and 9 of the Protocol and related decisions. The main aspects of the information contained in the report are summarized in table 1 for the convenience of the Thirty-Seventh Meeting of the Parties to the Montreal Protocol and members of the Implementation Committee under the Non-Compliance Procedure for the Montreal Protocol in their consideration of the report.

2. Section II of the report covers the issues listed in table 1.

3. Section III lists the annexes to the report. Annexes I to III present reference information that has been updated, where applicable, to reflect the most recent two years under consideration (2023 and 2024 for this report), while annexes IV to XVI present data and information submitted through or derived from Article 7 reporting by the parties.

* UNEP/OzL.Pro.37/1.

** UNEP/OzL.Pro/ImpCom/75/R.1.

Table 1
Summary of issues

| <i>Subsection/issue</i> | <i>Status</i> |
|--|---|
| A. Reporting pursuant to Article 9 of the Protocol | <ul style="list-style-type: none"> No new Article 9 reports have been submitted by parties since 2020, when Lithuania submitted a report (see para. 4). |
| B. Status of compliance with annual and hydrofluorocarbon (HFC) baseline data reporting requirements (Article 7, paras. 2, 3, 3 <i>bis</i> and 3 <i>ter</i>) | <ul style="list-style-type: none"> Data reporting for 2024: to date, 112 out of 198 parties have reported (see table 2). <ul style="list-style-type: none"> A total of 71 parties have submitted data using the online reporting system. Data reporting for 2023: All 198 parties have reported (see table 2). <ul style="list-style-type: none"> A total of 112 parties submitted data using the online reporting system. |
| C. Status of compliance with the control measures for 2023 | <ul style="list-style-type: none"> Four cases that were not addressed last year because some or all of the required information had not been received in time for inclusion in the Committee's review are presented, showing that, according to information received after the seventy-third meeting of the Committee: <ul style="list-style-type: none"> Two of the parties were in compliance with the control measures for 2023 (see table 3); Two of the parties have yet to provide clarification of their excess consumption of hydrochlorofluorocarbons (HCFCs) or HFCs (see table 3). |
| D. Status of compliance with the control measures for 2024 by parties not operating under paragraph 1 of Article 5 (non-Article 5 parties) | <ul style="list-style-type: none"> To date, five non-Article 5 parties have submitted data for 2024 that show deviations from the control measures for 2024. All the deviations are owing to uses allowed under the Protocol (see tables 4 and 5). |
| E. Status of compliance with the control measures for 2024 by parties operating under paragraph 1 of Article 5 (Article 5 parties) | <ul style="list-style-type: none"> To date, nine Article 5 parties have submitted data for 2024 that show deviations from the control measures for 2024. Eight of the parties have yet to provide clarification of their excess consumption or production (see tables 6 and 7). |
| F. Monitoring of progress for 2024 for parties previously in non-compliance | <ul style="list-style-type: none"> To date, the only party that was previously in non-compliance, on which there is a decision with a specific benchmark for 2024, has not yet reported data for that year (see table 8). |
| G. Accounting for exemptions granted for 2024 for critical uses | <ul style="list-style-type: none"> The only party with a critical-use exemption for 2024 has submitted its accounting report (see table 9). |
| H. Reporting of exports and their destination countries (decisions XVII/16 and XXX/12) | <ul style="list-style-type: none"> A total of 44 parties reported exports in 2023; 40 included either partial or complete information on destination countries, with the destination specified for 99.98 per cent of all exports reported (by weight) (see table 10). |
| I. Reporting of imports and their source countries (decisions XXIV/12 and XXX/12) | <ul style="list-style-type: none"> A total of 168 parties reported imports in 2023; 88 included information on source countries, with the source specified for 82 per cent of all imports reported (by weight) (see table 11). |
| J. Consolidated record of cases of excess calculated production and consumption attributable to stockpiling for 2023 and 2024 (decisions XVIII/17 and XXII/20) | <ul style="list-style-type: none"> There are six reported cases, from five parties, of excess calculated production in 2023 attributable to stockpiling (see annex XI). To date, there are two cases from two parties for 2024. |
| K. Reporting of process-agent uses for 2023 and 2024 (decisions X/14, XXI/3, XXXI/6 and XXXII/5) | <ul style="list-style-type: none"> All parties that are required to report on process-agent uses have reported for 2023 (see para. 31 and table 12). To date, two parties have reported for 2024 (see table 13). |
| L. Reported production of phased-out controlled substances | <ul style="list-style-type: none"> Total reported production of phased-out substances was almost 654,000 metric tons in 2023, with chlorofluorocarbons (CFCs), carbon tetrachloride and methyl chloroform accounting for 97 per cent of the total reported production (see table 14). |

| <i>Subsection/issue</i> | <i>Status</i> |
|---|---|
| M. Reported feedstock use of controlled substances | <ul style="list-style-type: none"> A total of 17 parties reported the use of approximately 2.15 million metric tons of controlled substances for feedstock applications in 2023 (see figures 2 and 3). |
| N. Reported quarantine and pre-shipment use of methyl bromide | <ul style="list-style-type: none"> A total of 42 parties reported the use of approximately 7,700 metric tons of methyl bromide for quarantine and pre-shipment applications in 2023 (see figure 4). |
| O. Reported destruction of controlled substances | <ul style="list-style-type: none"> A total of 28 parties reported the destruction of approximately 16,000 metric tons of controlled substances in 2023 (see figure 5). |
| P. Response of parties to decisions XXIV/14, XXIX/18 and XXX/14 (reporting of zero in Article 7 data reporting forms) | <ul style="list-style-type: none"> For 2023 data, 15 parties submitted forms with blank cells (see table 15). <ul style="list-style-type: none"> Eight of those parties have either clarified that the blank cells represented zeros or submitted different forms. |
| Q. Revision of hydrofluorocarbon baseline data (decisions XIII/15 and XV/19) | <ul style="list-style-type: none"> The Implementation Committee at its seventy-fourth meeting considered 10 requests for the revision of HFC baseline data. <ul style="list-style-type: none"> Seven of the requests were recommended for approval (see table 16). |

II. Information provided by parties

A. Reporting pursuant to Article 9 of the Protocol

4. The Secretariat has not received any new information pursuant to Article 9 since 2020, when Lithuania submitted a report covering the period 2018–2019.¹

B. Status of compliance with annual and hydrofluorocarbon baseline data reporting requirements (Article 7, paras. 2, 3, 3 bis and 3 ter)

5. Table 2 shows statistics for the reporting of Article 7 data² for recent years. For the period 1986–2023, all parties have reported data for all years, including all the parties listed in decision XXXVI/13 as having outstanding data under paragraph 3 of Article 7.

6. Papua New Guinea, which ratified the Kigali Amendment to the Montreal Protocol on 12 November 2024 and should have submitted, by 10 May 2025, HFC baseline data for the years 2020–2022, has not yet done so. One Article 5, group 1 party and five Article 5, group 2 parties recently ratified the Kigali Amendment and still have time to submit the required HFC baseline data.

7. The United Arab Emirates has HFC data for 2024 outstanding, although it has reported data for the other substances.

¹ Information submitted under Article 9 is available at <https://ozone.unep.org/countries/additional-reported-information/article-9>. In 2002, at the twenty-ninth meeting of the Implementation Committee, the Secretariat observed that the Implementation Committee had reached an informal understanding that the requirements of Article 9 were fulfilled by the regular reports from the Assessment Panels and the World Meteorological Organization (paragraph 39, document UNEP/OzL.Pro/ImpCom/29/3).

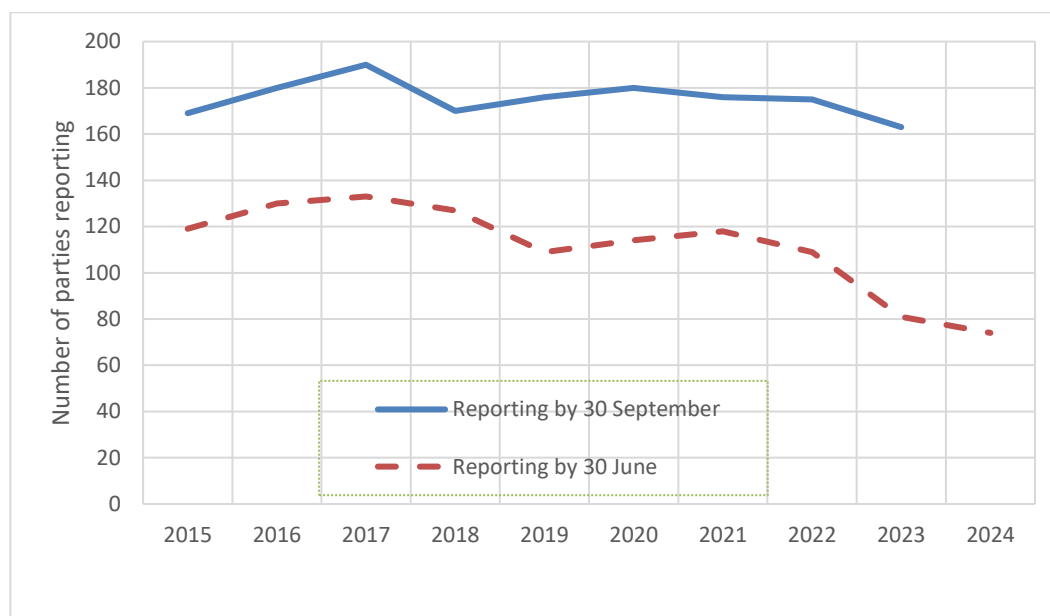
² In accordance with paragraph 3 of Article 7 of the Montreal Protocol, each party is required to provide to the Secretariat statistical data on its annual production of each of the controlled substances listed in Annexes A, B, C, E and F of the Protocol and, separately for each substance, the amounts used for feedstock, the amounts destroyed by technologies approved by the parties, and imports from and exports to parties and non-parties, respectively, for the year in which the provisions concerning the substances in question entered into force for that party, and for each year thereafter. Paragraph 3 of Article 7 further stipulates that parties must forward such data not later than nine months after the end of the year to which the data relate; nevertheless, in decision XV/15, parties are encouraged to submit those data to the Secretariat by 30 June.

Table 2
Number of parties that have reported Article 7 data, 2015–2024

| | <i>No. of parties required to report</i> | <i>Number of parties that have reported to date</i> | | | | | | <i>No. of parties yet to report</i> |
|------|--|---|------------------------|-------------------|---------------|------------------|----------------------|-------------------------------------|
| | | <i>Total</i> | <i>By 30 September</i> | <i>By 30 June</i> | <i>Online</i> | <i>Article 5</i> | <i>Non-Article 5</i> | |
| 2024 | 198 | 112 | n/a | 74 | 71 | 84 | 28 | 86 |
| 2023 | 198 | 198 | 163 | 81 | 112 | 147 | 51 | – |
| 2022 | 198 | 198 | 175 | 109 | 114 | 147 | 51 | – |
| 2021 | 198 | 198 | 176 | 118 | 109 | 147 | 51 | – |
| 2020 | 198 | 198 | 180 | 114 | 103 | 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 | – |
| 2015 | 197 | 197 | 169 | 119 | 4 | 147 | 50 | – |

8. Figure 1 depicts the annual trend in the number of parties reporting data within nine months of the end of the year to which the data relate (by 30 September) and those reporting within six months of the end of that year (by 30 June). The information is provided in response to the request from the Implementation Committee at its sixtieth meeting for information on trends in the timeliness of data reporting.

Figure 1
Timeliness in the reporting of annual data under paragraph 3 of Article 7 of the Montreal Protocol



9. The calculated production and consumption data are presented in annexes IV–VII, as follows:

- (a) Annex IV sets out the calculated production and consumption of controlled substances for 2024, grouped by classification of parties as either Article 5 parties or non-Article 5 parties;
- (b) Annex V sets out the calculated production and consumption of controlled substances for 2023, grouped by classification of parties as either Article 5 or non-Article 5 parties;
- (c) Annex VI sets out summary aggregate information on calculated production and consumption of controlled substances for 2023 and 2024, broken down by United Nations regional group;

(d) Annex VII sets out summary aggregate information comparing calculated production, import and export of controlled substances for 2023 and 2024, broken down by classification of parties as either Article 5 or non-Article 5 parties.

10. Detailed or summary information on trade in recovered controlled substances³ is set out in annexes VIII and IX, as follows:

(a) Annex VIII sets out summary information on imports and exports of new and recovered controlled substances for 2023 and 2024, broken down by classification of parties as either Article 5 or non-Article 5 parties;

(b) Annex IX sets out, by substance and by party, information on recovered controlled substances imported and exported by parties for 2023 and 2024, grouped by classification as either Article 5 or non-Article 5 parties.

11. Annex X shows summary information on the production and consumption of ozone-depleting substances for laboratory and analytical uses, as required under paragraph 2 of decision XXXI/5. It should be noted that, pursuant to paragraph 1 of decision XXXI/5, a global exemption is in effect indefinitely for laboratory and analytical uses of controlled substances in all annexes and groups except Annex F, groups I and II, which have not been included in the exemption.

C. Status of compliance with the control measures for 2023

12. Table 3 lists the cases of calculated consumption of controlled substances exceeding the prescribed limits for 2023 that were not considered by the Implementation Committee at its seventy-third meeting or by the Thirty-Sixth Meeting of the Parties, or the consideration of which was not concluded by the Committee at its seventy-third meeting, either because some or all of the required information had not been received in time or because the excess consumption or production was designated as awaiting clarification. The cases have been updated on the basis of information received after the Committee's seventy-third meeting. The last column of the table provides the explanation or comment as appropriate or as provided by the relevant party.

Table 3
Cases of calculated consumption exceeding the amount permitted by the reduction schedules under the Protocol for 2023, with associated explanations

| Party | Annex/ group ^a | Consumption in ODP-t for Annexes B/II, C/I and E/I and in CO ₂ -equivalent tonnes for Annex F | | | Explanation or comment |
|---|------------------------------|--|---------------------------|---------------------|--|
| | | Baseline | 2023 Protocol limit | 2023 consumption | |
| 1. China | B/II | 49 142.1 | 0 | 109.4 ^b | Production/consumption for laboratory and analytical uses ^c |
| 2. Democratic People's Republic of Korea ^d | C/I | 78 | 50.7 | 57.76 | Clarification pending; exceeds both the Protocol limit and the commitment recorded in decision XXXII/6 |
| 3. Sri Lanka | E/I | 4.1 | 0 | 0 | Previously reported consumption of 21.9 ODP-t was corrected to zero to reflect the fact that the full amount imported was for quarantine and pre-shipment uses |
| 4. Tajikistan | F | 446 600 | 424 270 | 457 613 | Clarification pending |

Abbreviations: ODP-t – ozone-depleting-potential tonnes; CO₂-equivalent tonnes – carbon-dioxide-equivalent tonnes.

^a The B/II substance is carbon tetrachloride; C/I substances are HCFCs; the E/I substance is methyl bromide; and F substances are HFCs.

^b For China, the indicated amount and associated explanation apply equally to production.

³ Paragraph 3 *bis* of Article 7 of the Montreal Protocol provides that each party shall provide to the Secretariat separate statistical data on its annual imports and exports of each of the controlled substances listed in group II of Annex A and group I of Annex C that have been recycled.

^c Under decision XXXI/5, the global laboratory- and analytical-use exemption for ozone-depleting substances was extended indefinitely.

^d The Democratic People's Republic of Korea also reported production of 24.77 ozone-depleting-potential tonnes of Annex C group I substances, exceeding both the limit of 17.9 ozone-depleting-potential tonnes under the Protocol and the commitment recorded in decision XXXII/6.

D. Status of compliance with the control measures for 2024 by non-Article 5 parties

13. Table 4 lists all the cases reported to date of consumption of controlled substances exceeding the prescribed limits for 2024 for non-Article 5 parties, together with explanations or clarifications provided either by the Secretariat or by the party, as appropriate.

Table 4

Cases of consumption exceeding the amount permitted by the reduction schedules under the Protocol for 2024 for non-Article 5 parties and associated explanations

| Party | Annex/ group ^a | Consumption in ODP-t | | | Explanation or comment |
|----------------|------------------------------|----------------------|------------------------|---------------------|--|
| | | Baseline | 2024 Protocol limit | 2024 consumption | |
| Canada | B/II | 6 167.7 | 0 | 0.1 | Laboratory and analytical uses |
| European Union | B/III | 12 537.7 | 0 | 4.6 | Unintentional by-product: stockpiled to be destroyed in a future year (scenario (a) of decisions XVIII/17 and XXII/20) |
| Japan | B/II | 74 879.2 | 0 | 6.9 | Laboratory and analytical uses |

Abbreviation: ODP-t – ozone-depleting-potential tonnes.

^a The B/II substance is carbon tetrachloride; and the B/III substance is 1,1,1-trichloroethane (methyl chloroform).

14. Table 5 lists all the cases reported to date of calculated production of controlled substances exceeding the prescribed limits for 2024 for non-Article 5 parties, together with explanations or clarifications provided by the Secretariat or by the party, as appropriate.

Table 5

Cases of calculated production exceeding the amount permitted by the reduction schedules under the Protocol for 2024 for non-Article 5 parties and associated explanations

| Party | Annex/ group ^a | Production in ODP-t | | | Explanation or comment |
|--------|------------------------------|---------------------|---------------------------|----------------------------------|--|
| | | Baseline | 2024 Protocol limit | 2024 calculated production | |
| France | B/III | 6 169.5 | 0 | 3.8 | Unintentional by-product: stockpiled to be destroyed in a future year (scenario (a) of decisions XVIII/17 and XXII/20) |
| Japan | B/II | 19 602 | 0 | 6.9 | Laboratory and analytical uses |

Abbreviation: ODP-t – ozone-depleting-potential tonnes.

^a The B/II substance is carbon tetrachloride; and the B/III substance is 1,1,1-trichloroethane (methyl chloroform).

15. As tables 4 and 5 indicate, to date, five non-Article 5 parties either consumed or produced amounts exceeding the limits under the Protocol for 2024. As all the deviations are owing to uses allowed under the Protocol, none of the cases calls for consideration by the Committee.

E. Status of compliance with the control measures for 2024 by Article 5 parties

16. Table 6 lists all the cases reported to date of consumption of controlled substances exceeding the prescribed limits for 2024 for Article 5 parties.

Table 6

Cases of consumption exceeding the amount permitted by the reduction schedules under the Protocol for 2024 for Article 5 parties

| Party | Annex/ group ^a | Consumption in ODP-t for annexes C/I and E/I, and in CO ₂ -equivalent tonnes for Annex F | | | Explanation or comment |
|--|------------------------------|---|------------------------|---------------------|--|
| | | Baseline | 2024 Protocol limit | 2024 consumption | |
| 1. Democratic People's Republic of Korea | C/I | 78 | 50.7 | 51.43 | Clarification pending |
| 2. Guinea | F | 1 826 976 | 1 826 976 | 1 836 016 | Has requested a revision to its baseline that, if approved, would place the party in compliance |
| 3. Mali | F | 399 935 | 399 935 | 1 773 126 | Clarification pending |
| 4. Morocco | F | 2 134 520 | 2 134 520 | 2 645 559 | Has requested a revision to its baseline that, if approved, would place the party in compliance |
| 5. Namibia | F | 774 924 | 774 924 | 916 622 | Clarification pending |
| 6. Nigeria | F | 15 187 779 | 15 187 779 | 24 024 338 | At its seventy-fourth meeting, the Committee recommended revisions to HFC baseline data that would make the baseline 24,986,406 CO ₂ -equivalent tonnes (recommendation 74/12), hence the party would be in compliance if the recommendation were to be adopted by the Thirty-Seventh Meeting of the Parties. |
| 7. Saint Vincent and the Grenadines | F | 25 280 | 25 280 | 45 975 | Clarification pending |
| 8. Sri Lanka | E/I | 4.1 | 0 | 34 | Clarification pending |
| 9. Zambia | F | 699 513 | 699 513 | 1 166 837 | Clarification pending |

Abbreviation: CO₂-equivalent tonnes – carbon-dioxide-equivalent tonnes.

^a C/I substances are HCFCs; the E/I substance is methyl bromide; and F substances are HFCs.

17. Table 7 lists all the cases reported to date of calculated production of controlled substances exceeding the prescribed limits for 2024 for Article 5 parties, together with explanations or clarifications provided by the Secretariat or by the party, as appropriate.

Table 7

Cases of calculated production exceeding the amount permitted by the reduction schedules under the Protocol for 2024 for Article 5 parties and associated explanations

| Party | Annex/group ^a | Production in ODP-t | | | Explanation or comment |
|---------------------------------------|--------------------------|---------------------|------------------------|-------------------------------|------------------------|
| | | Baseline | 2024 Protocol limit | 2024 calculated production | |
| Democratic People's Republic of Korea | C/I | 27.6 | 17.9 | 21.61 | Clarification pending |

Abbreviation: ODP-t – ozone-depleting-potential tonnes.

^a C/I substances are HCFCs.

18. As tables 6 and 7 indicate, to date, nine Article 5 parties either consumed or produced amounts exceeding the limits under the Protocol for 2024. All the deviations are pending clarification.

F. Monitoring of progress for 2024 for parties previously in non-compliance

19. Decisions, with specific benchmarks, adopted by Meetings of the Parties in relation to parties that were previously in non-compliance usually call for close monitoring of the progress made by those parties in implementing their plans of action to return to compliance and thus meet the consumption/production limits set out in the Protocol. This subsection is intended to facilitate that monitoring.

20. Table 8 shows information pertaining to parties that were previously in non-compliance and have had plans of action with specific commitments for 2024 set out in decisions adopted by Meetings of the Parties.

Table 8

Information on consumption for 2024 for parties previously in non-compliance that are the subjects of decisions of the Meetings of the Parties calling for close monitoring

| Party | Annex/ group ^a | Consumption in ODP-t | | | Explanation or comment |
|------------|------------------------------|----------------------|------------------------|---------------------|---|
| | | Baseline | 2024 Protocol limit | 2024 consumption | |
| Kazakhstan | C/I | 39.5 | 0.2 | Not reported | Committed not to exceed 0.5 ODP-t of consumption for annex C group I substances |

Abbreviation: ODP-t – ozone-depleting-potential tonnes.

^a C/I substances are HCFCs.

G. Accounting for exemptions granted for 2024 for critical uses

21. Only one party was granted a critical-use exemption for 2024. Table 9 summarizes the information on the exemption and the notification, including the status of submission of corresponding accounting reports, in accordance with decisions Ex.I/4 (para. 9 (f)) and XVI/6.⁴

Table 9

Critical-use exemptions granted to parties and emergency-use notification for the use of methyl bromide in 2024

| Party | Exempted/notified amount (metric tons) | | Decision | Status of submission of accounting report |
|--------|---|---------|-----------|---|
| | | | | |
| Canada | 3.857 | XXXV/15 | Submitted | |

H. Reporting of exports and their destination countries (decisions XVII/16 and XXX/12)

22. Table 10 summarizes information on the quantity of exports⁵ reported by parties since 2015 and the number of parties reporting such exports, together with information on specification of the destination countries.

⁴ Decisions Ex.I/4 (para. 9 (f)) and XVI/6 provide that accounting reports must be submitted with nominations for critical-use exemptions for methyl bromide.

⁵ In decision XVII/16, the Seventeenth Meeting of the Parties requested the Secretariat to revise the reporting formats to cover exports and re-exports of all controlled substances and urged the parties to implement the revised reporting format expeditiously. In the statistics, the Secretariat excludes exports reported by individual European Union member States in order to avoid duplication with the exports reported by the European Union on behalf of its member States.

Table 10
Reporting of information on exports and destination countries

| Year | Quantity of exports reported | | | Number of parties reporting exports | | | Number of destination parties reported by exporting parties |
|------|------------------------------|---|--|-------------------------------------|---|-------------------------------------|---|
| | Total (metric tons) | Destination countries specified (metric tons) | Destination countries specified (percentage) | All parties | Destination countries specified for some or all exports | Destination countries not specified | |
| 2023 | 690 054 | 689 889 | 100.0 ^a | 44 | 40 | 4 | 160 |
| 2022 | 730 069 | 729 267 | 99.9 | 41 | 37 | 4 | 158 |
| 2021 | 649 544 | 602 921 | 92.8 | 41 | 37 | 4 | 162 |
| 2020 | 562 749 | 539 027 | 95.8 | 36 | 32 | 4 | 158 |
| 2019 | 238 937 | 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 |

^a Rounded up from 99.98 per cent.

23. In April 2025, the Secretariat sent out aggregated information covering data reported for 2023 to the 160 parties identified as destination countries by exporting parties, in accordance with decision XVII/16.⁶

I. Reporting of imports and their source countries (decisions XXIV/12 and XXX/12)

24. Table 11 presents information on the quantity of imports⁷ reported by parties since 2015 and the number of parties reporting such imports, together with information on specification of the source countries.

25. In April 2025, the Secretariat sent compiled information on imports for 2023 to 34 parties that had expressed to the Secretariat their interest in receiving the information, in accordance with decision XXIV/12.⁸ That number includes one party that had submitted a standing request in 2014 to have the information made available to it whenever it was compiled. The 34 parties were among 69 parties that had been listed as exporting countries by importing parties in 2023 and to whom the Secretariat had sent letters inviting them to request the compiled information relevant to them if they were interested.

Table 11
Reporting of information on imports and source countries

| Year | Quantity of imports reported | | | Number of parties reporting imports | | | Number of source parties reported by importing parties |
|------|------------------------------|--|---|-------------------------------------|--|--------------------------------|--|
| | Total (metric tons) | Source countries specified (metric tons) | Source countries specified (percentage) | All parties | Source countries specified for some or all imports | Source countries not specified | |
| 2023 | 627 557 | 513 453 | 81.8 | 168 | 88 | 80 | 69 |
| 2022 | 660 161 | 431 947 | 65.4 | 168 | 91 | 77 | 66 |
| 2021 | 532 564 | 329 580 | 61.9 | 171 | 91 | 80 | 63 |

⁶ In paragraph 4 of decision XVII/16, the Seventeenth Meeting of the Parties requested the Secretariat to report aggregated information received from exporting/re-exporting parties to the importing parties concerned.

⁷ In paragraph 1 of decision XXIV/12, the Twenty-Fourth Meeting of the Parties requested the Secretariat to revise the reporting format to include an annex in which reporting parties could, on a voluntary basis, identify the exporting parties for any controlled substances reported as imports.

⁸ In paragraph 2 of decision XXIV/12, the Twenty-Fourth Meeting of the Parties requested the Secretariat to compile, every January, aggregated information on controlled substances, by annex and group, received from the importing/re-importing party and to provide this uniquely and solely to the exporting party concerned when requested.

| Year | Quantity of imports reported | | | Number of parties reporting imports | | | Number of source parties reported by importing parties |
|------|------------------------------|--|---|-------------------------------------|--|--------------------------------|--|
| | Total (metric tons) | Source countries specified (metric tons) | Source countries specified (percentage) | All parties | Source countries specified for some or all imports | Source countries not specified | |
| 2020 | 473 487 | 277 816 | 58.7 | 168 | 82 | 86 | 57 |
| 2019 | 429 546 | 307 399 | 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 |

J. Consolidated record of cases of excess calculated production and consumption attributable to stockpiling for 2023 and 2024 (decisions XVIII/17 and XXII/20)

26. In accordance with decisions XVIII/17 and XXII/20, the Secretariat maintains information on the consolidated record of cases of excess calculated production and consumption attributable to stockpiling,⁹ as reflected in annex XI to the present document.

27. For 2023, six cases were reported by five parties, namely the European Union, France, Germany, Israel and Spain. All five parties confirmed that they had the necessary measures and regulations in place to prevent the stockpiled substances from being diverted to unauthorized uses.

28. For 2024, two cases have been reported by two parties, namely the European Union and France. Both parties have confirmed that they have the necessary measures and regulations in place to prevent the stockpiled substances from being diverted to unauthorized uses.

K. Reporting of process-agent uses for 2023 and 2024 (decisions X/14, XXI/3, XXXI/6 and XXXII/5)

29. In decision XXI/3, the Secretariat was requested to bring cases of non-reporting of process-agent uses of controlled substances to the attention of the Implementation Committee for its consideration.

30. Only four parties (China, the European Union, Israel and the United States of America) still report information on the use of controlled substances as process agents. The information on the latest limits for process-agent uses can be found in table B of the annex to decision XXXI/6.¹⁰

31. For 2023, only three of the aforementioned parties submitted their reports on process-agent uses in time for review by the Committee at its seventy-third meeting. Table 12 presents the Secretariat's summarized review of the information for 2023 presented by China, as that information was not included in the documents reviewed by the Committee in 2024.

⁹ In decisions XVIII/17 and XXII/20, the Eighteenth Meeting of the Parties and the Twenty-Second Meeting of the Parties, respectively, requested the Secretariat to maintain a consolidated record of cases in which parties, when reporting data under Article 7 of the Protocol, had identified excess production and consumption that was a consequence of controlled substance production, in the reporting year, that had been stockpiled: (a) for domestic destruction or export for destruction in a future year; (b) for domestic feedstock use or export for that use in a future year; or (c) for export to meet the basic domestic needs of developing countries in a future year.

¹⁰ Extract from table B, on limits for process-agent uses, of decision XXXI/6:

| Party | Make-up or consumption (metric tons per year) | Maximum emissions (metric tons per year) |
|--------------------------|---|--|
| China | 1 103.0 | 313 |
| European Union | 921.0 | 15 |
| Israel | 3.5 | 0 |
| United States of America | 2 300.0 | 181 |

Table 12

Review of the information reported on process-agent uses in 2023

| <i>Party</i> | <i>Emissions have been reported and are within limit</i> | <i>Containment technologies reported</i> | <i>Production or imports for process-agent uses reported</i> |
|--------------|--|--|--|
| China | Yes – within limit | Yes | Yes |

32. For 2024, to date, only two of the aforementioned parties have submitted their reports on process-agent uses. Table 13 presents the Secretariat’s summarized review of the information submitted.

Table 13

Review of the information reported on process-agent uses in 2024

| <i>Party</i> | <i>Emissions have been reported and are within limit</i> | <i>Containment technologies reported</i> | <i>Production or imports for process-agent uses reported</i> |
|--------------------------|--|--|--|
| European Union | Yes – within limit | Yes | Yes |
| United States of America | Yes – within limit | Yes | Article 7 data for 2024 not yet submitted |

L. Reported production of phased-out controlled substances

33. Reported information on the production of phased-out controlled substances¹¹ is set out in annex XII to the present report.

34. Table 14 (on p. 12) summarizes information for 2023 received from parties with production of substances for which the phase-out dates have passed. Substances that have aggregate production of less than half a metric ton, usually for exempted uses such as laboratory and analytical uses, have been excluded from the summary.

35. Almost 654,000 metric tons were reported as production in 2023, with chlorofluorocarbons (CFCs), carbon tetrachloride and methyl chloroform accounting for 34 per cent, 55 per cent and 8 per cent of that production, respectively, for a total of 97 per cent. At total of 93 per cent of the total production was for feedstock uses, while all of the methyl bromide production was for quarantine and pre-shipment uses.

M. Reported feedstock use of controlled substances

36. This subsection summarizes information on the amounts of controlled substances being used for feedstock applications.¹² The reported information on amounts of controlled substances used for feedstock applications¹³ is set out in annex XIII to the present report, while annex XIV shows the number of parties reporting the use of controlled substances for feedstock applications.

37. Figure 2 (on p. 12) presents the feedstock-use information in the form of a bar chart, while figure 3 shows the number of parties reporting the use of controlled substances as feedstock.

¹¹ Under the control measures, production and consumption of CFCs (Annex A, group I, and Annex B, group I), halons (Annex A, group II) and carbon tetrachloride (Annex B, group II) should have been phased out by all parties by 2010, except for uses exempted by the Meetings of the Parties. Similarly, production and consumption of methyl chloroform (Annex B, group III) and methyl bromide (Annex E, group I) should have been phased out by all parties by 2015, except for uses exempted by the Meetings of the Parties. In addition, substances in Annex C, groups II (hydrobromofluorocarbons) and III (bromochloromethane) were phased out immediately upon their inclusion in the Protocol, in 1996 and 2002, respectively.

¹² The Montreal Protocol specifies in Article 1 that amounts of controlled substances used entirely as feedstock in the manufacture of other chemicals are to be subtracted in the calculation of production and consumption, thereby being excluded from the control measures.

¹³ The amount of controlled substances used for feedstock applications in a country is the sum of the amounts of controlled substances produced for feedstock uses in the country and the amounts of controlled substances imported for feedstock uses.

Table 14
Production of phased-out controlled substances in 2023
 (metric tons)

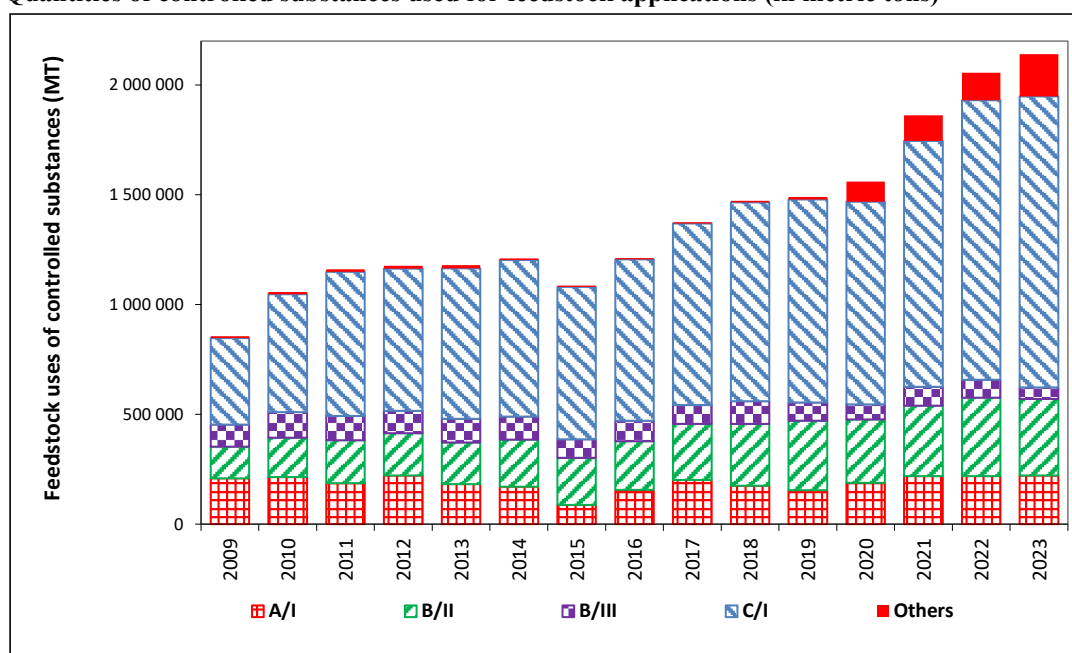
| | <i>Annex/group^a</i> | | | | | | | Total |
|---|--------------------------------|--------------|----------------|---------------|-------------|--------------|---------------|----------------|
| | <i>A/I</i> | <i>A/II</i> | <i>B/II</i> | <i>B/III</i> | <i>C/II</i> | <i>C/III</i> | <i>E/I</i> | |
| Number of parties reporting | 5 | 3 | 12 | 3 | 3 | 3 | 5 | n/a |
| Total reported production for all uses | 222 190 | 1 866 | 361 968 | 52 551 | 3 | 4 430 | 10 581 | 653 589 |
| Production for own feedstock uses | 221 632 | 1 566 | 326 314 | 52 482 | 1 | 3 566 | 2 487 | 608 046 |
| Production for own essential or critical uses | – | – | 107 | – | – | – | – | 107 |
| Exported for feedstock uses | 402 | 300 | 28 075 | – | 2 | 832 | 149 | 29 760 |
| Exported for essential or critical uses | – | – | – | – | – | – | 5 | 5 |
| Amounts destroyed by producers | 241 | 5 | 9 204 | 381 | – | 3 | 8 | 9 842 |
| Production for QPS uses ^b | – | – | – | – | – | – | 8 026 | 8 026 |

Abbreviation: QPS – quarantine and pre-shipment.

^a A/I substances are CFCs; A/II substances are halons; the B/II substance is carbon tetrachloride; the B/III substance is 1,1,1-trichloroethane (methyl chloroform); C/II substances are hydrobromofluorocarbons; the C/III substance is bromochloromethane; and the E/I substance is methyl bromide.

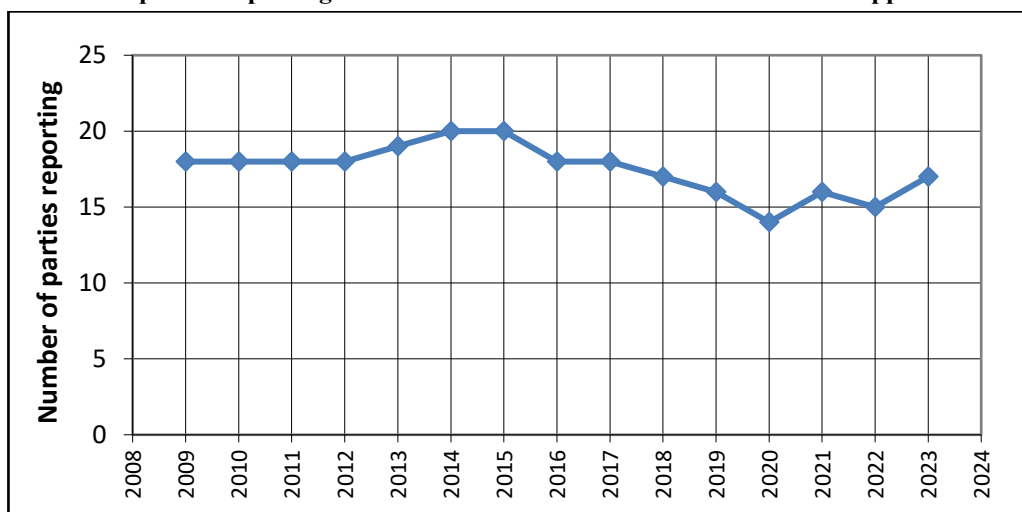
^b Production for quarantine and pre-shipment uses comprises the amounts for use within the country and the amounts for export.

Figure 2
Quantities of controlled substances used for feedstock applications (in metric tons)



Abbreviations: A/I – Annex A, group I; B/II – Annex B, group II; B/III – Annex B, group III; C/I – Annex C, group I; MT – metric tons; Others – Annex A, group II, Annex B, group I, Annex C, group II, Annex C, group III, Annex E, group I, and Annex F.

Figure 3
Number of parties reporting the use of controlled substances for feedstock applications

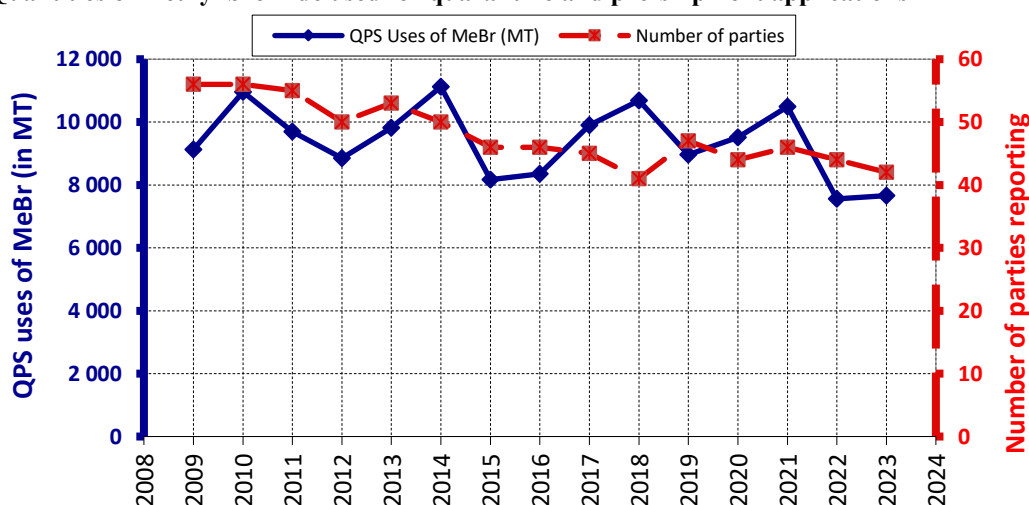


N. Reported quarantine and pre-shipment use of methyl bromide

38. To facilitate consideration of the issue of quarantine and pre-shipment use of methyl bromide,¹⁴ annex XV to the present document contains a table showing non-zero data on quarantine and pre-shipment use of methyl bromide reported by parties under Article 7, presented in metric tons.

39. Figure 4 shows the general trend in quarantine and pre-shipment uses of methyl bromide globally from 2009 to 2023.

Figure 4
Quantities of methyl bromide used for quarantine and pre-shipment applications



Abbreviations: MeBr – methyl bromide; MT – metric tons; QPS – quarantine and pre-shipment.

O. Reported destruction of controlled substances

40. To facilitate consideration of the issue of destroyed controlled substances,¹⁵ annex XVI contains a table showing non-zero data on the destruction of controlled substances reported by parties

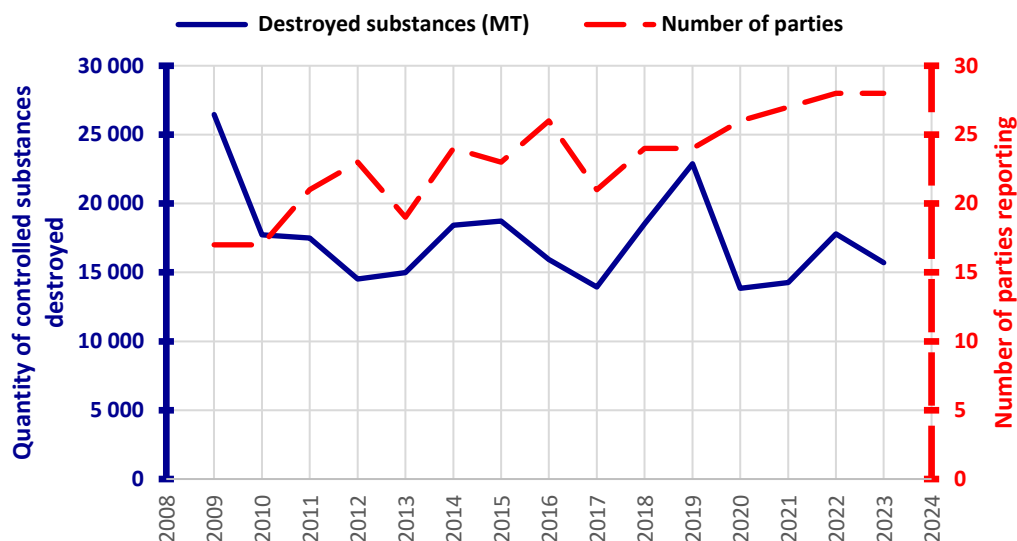
¹⁴ The Protocol specifies, in paragraph 6 of Article 2H, that the calculated levels of production and consumption under the article shall not include the amounts used by the party for quarantine and pre-shipment applications, such amounts thereby being excluded from the control measures.

¹⁵ The subtraction of destroyed controlled substances in the calculation of production and consumption is specified in Article 1 of the Montreal Protocol, which was adopted on 16 September 1987 and entered into force on 1 January 1989. The requirement to report amounts destroyed by technologies approved by the parties, however, was formally introduced into Article 7 through the London Amendment, which was adopted on 29 June 1990 and entered into force on 10 August 1992.

under Article 7. The annual data for each party are aggregated for all substances reported for the year and are presented in metric tons.

41. Figure 5 shows the total quantities of controlled substances destroyed globally from 2009 to 2023.

Figure 5
Quantities of controlled substances destroyed



Abbreviation: MT – metric tons.

P. Response of parties to decisions XXIV/14, XXIX/18 and XXX/14 (reporting of zero in Article 7 data reporting forms)

42. This subsection summarizes information on the responses by parties to decisions XXIV/14, XXIX/18 and XXX/14.¹⁶ Table 15 shows the number of parties that submitted Article 7 data reporting forms with blank cells and the number of parties that responded to follow-up requests from the Secretariat for clarification.

43. It should be noted that, as indicated in table 15, some parties report using the online reporting system and others using the approved forms for reporting Article 7 data, while others do not use the Article 7 data reporting forms agreed to in decisions of the meetings of the parties when reporting their data. Some parties with zero production and consumption or very few imports sometimes notify the Secretariat by letter rather than using the Article 7 reporting forms, and some Article 5 parties submit their Article 7 data using the country programme forms of the secretariat of the Multilateral Fund for the Implementation of the Montreal Protocol. When a party submits using the country programme form, the Secretariat extracts the import, export and production information, records it as the officially reported Article 7 data and requests the party concerned to resubmit its data using either the online reporting system or the approved Article 7 data reporting forms, updated most recently by decision XXXVI/12.

Table 15
Response of parties to decisions XXIV/14, XXIX/18 and XXX/14 on the reporting of zero in Article 7 data reporting forms

| Description of activity | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|------|------|------|------|
| Reporting of annual data (number of parties) | 198 | 198 | 198 | 198 | 198 |
| Submission of data using means other than the online reporting system or Article 7 data reporting forms | 36 | 41 | 30 | 17 | 15 |

¹⁶ In decision XXIV/14, the Twenty-Fourth Meeting of the Parties requested parties, when reporting production, imports, exports or destruction, to enter a number in each cell in the data reporting forms that they submitted, including zero, where appropriate, rather than leaving the cell blank. It also asked the Secretariat to request clarification from any party that submitted a reporting form containing a blank cell. The Twenty-Ninth and Thirtieth meetings of the parties reiterated that request to parties in decisions XXIX/18 and XXX/14, respectively.

| <i>Description of activity</i> | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|------|------|------|------|
| (e.g. email, questionnaire, letter, annex to data form 1, country programme form) (number of parties) | | | | | |
| Submission of Article 7 data using the online reporting system at least once (number of parties) | 105 | 103 | 109 | 114 | 112 |
| Submission of Article 7 data using the data reporting forms but never using the online reporting system (number of parties) | 57 | 54 | 59 | 67 | 71 |
| Submission of Article 7 data reporting forms with blank cells (number of parties) | 10 | 15 | 16 | 9 | 15 |
| Submission of Article 7 data reporting forms with blank cells (percentage) | 5 | 8 | 8 | 5 | 8 |
| Provision of clarification or different forms that superseded the incomplete forms (number of parties) | 10 | 15 | 16 | 9 | 13 |
| Provision of clarification or different forms that superseded the incomplete forms (percentage) | 100 | 100 | 100 | 100 | 87 |

Q. Revision of hydrofluorocarbon baseline data (decisions XIII/15 and XV/19)

44. The seventy-fourth meeting of the Implementation Committee considered 10 requests for the revision of HFC baseline data. Information related to those requests is summarized in tables 16 and 17.

Table 16

Requests for the revision of hydrofluorocarbon baseline data recommended for approval by the Implementation Committee at its seventy-fourth meeting

| <i>Party/year</i> | <i>Previous HFC data (CO₂-equivalent tonnes)</i> | | | <i>Proposed new HFC data (CO₂-equivalent tonnes)</i> | | |
|-------------------|---|-----------|------------|---|------------|------------|
| | 2020 | 2021 | 2022 | 2020 | 2021 | 2022 |
| Kiribati | 7 063 | 10 471 | 3 569 | 7 063 | 10 471 | 4 570 |
| Marshall Islands | 7 067 | 4 380 | 6 943 | 10 922 | 13 677 | 9 095 |
| Nauru | 335 | 1 186 | 1 456 | 1 997 | 2 175 | 2 326 |
| Nigeria | 2 620 048 | 8 381 305 | 17 374 682 | 13 305 145 | 19 884 612 | 24 582 158 |
| Niue | – | 74 | – | – | 179 | – |
| Tuvalu | 296 | 343 | 178 | 647 | 695 | 800 |
| Vanuatu | 11 915 | 13 781 | 17 511 | 21 055 | 13 781 | 17 511 |

Abbreviation: CO₂-equivalent tonnes – carbon-dioxide-equivalent tonnes.

Table 17

Requests for the revision of hydrofluorocarbon baseline data presented to the Implementation Committee at its seventy-fourth meeting and still under consideration

| <i>Party/year</i> | <i>Previous HFC data (CO₂-equivalent tonnes)</i> | | | <i>Requested new HFC data (CO₂-equivalent tonnes)</i> | | |
|-------------------|---|-----------|-----------|--|-----------|-----------|
| | 2020 | 2021 | 2022 | 2020 | 2021 | 2022 |
| Armenia | 195 790 | 317 041 | 465 778 | 526 204 | 568 809 | 682 249 |
| Guinea | 878 384 | 1 477 938 | 1 673 662 | 1 547 442 | 1 693 103 | 1 722 612 |
| Morocco | 1 687 148 | 1 475 421 | 590 302 | 2 602 515 | 1 648 604 | 2 162 043 |

Abbreviation: CO₂-equivalent tonnes – carbon-dioxide-equivalent tonnes.

45. Additional information related to other requests received for the revision of HFC baseline data will be outlined in document UNEP/OzL.Pro/ImpCom/75/R.5 and summarized in an addendum to the present report.

46. Moreover, the Secretariat presented to the Implementation Committee at its seventy-fourth meeting, its approach to addressing the issue of parties reporting HFC baseline data before they had ratified the Kigali Amendment, when they had no legal obligation to do so. The Secretariat had written to those parties for whom the Kigali Amendment has now entered into force, asking them whether the

Secretariat could consider the HFC data for the relevant years as their submission under Article 7, paragraph 2, of the Montreal Protocol. At the time of the meeting, five parties had yet to respond to the Secretariat's request.

47. In response to a request for guidance from the Secretariat, members of the Implementation Committee adopted recommendation 74/15 in which they requested the Secretariat to inform the remaining five parties that they should confirm the data as soon as possible and no later than 1 September 2025, after which the data would be considered as their submission under paragraph 2 of Article 7. In the same recommendation, the Committee requested the Secretariat to consider any future submissions of HFC baseline data as constituting submissions under the same paragraph of Article 7, regardless of whether the data were submitted before or after ratification of the Kigali Amendment. In the future, the Committee also agreed to review, in accordance with decision XIII/15 and following the methodology as set out in decision XV/19, any requests to change HFC baseline data, irrespective of the time at which the data to be revised were submitted.

III. Annexes

48. Table 18 lists the annexes to the present report, together with a description of their contents. Annexes IV–XVI have not been formally edited and are available only in English.

Table 18
Annexes to the present report

| <i>Annex</i> | <i>Description</i> |
|--------------|---|
| I | Deriving calculated production and consumption |
| II | Key obligations associated with the Montreal Protocol, including its amendments |
| III | Control measures for 2023 and 2024 for all parties |
| IV | Calculated production and consumption of controlled substances: comparison of 2024 with baseline: (a) summary for all parties; (b) non-Article 5 parties; and (c) Article 5 parties |
| V | Calculated production and consumption of controlled substances: comparison of 2023 with baseline: (a) summary for all parties; (b) non-Article 5 parties; and (c) Article 5 parties |
| VI | Summary by region of calculated production and consumption of controlled substances: (a) comparison of 2024 with baseline; and (b) comparison of 2023 with baseline |
| VII | Calculated production, import and export of controlled substances – summary for all parties: (a) comparison of 2024 with baseline; and (b) comparison of 2023 with baseline |
| VIII | Reported imports and exports of new and recovered controlled substances: summary for all parties in (a) 2024 and (b) 2023 |
| IX | Reported imports and exports of recovered controlled substances in (a) 2024 and (b) 2023 |
| X | Summary of trends in laboratory and analytical uses of controlled substances |
| XI | Consolidated record of cases of excess calculated production or consumption attributable to stockpiling in accordance with decisions XVIII/17 and XXII/20 |
| XII | Summary of reported production of phased-out controlled substances |
| XIII | Summary of reported feedstock use of controlled substances |
| XIV | Number of parties reporting feedstock use of controlled substances |
| XV | Reported consumption of methyl bromide for quarantine and pre-shipment use |
| XVI | Reported destruction of controlled substances |

Annex I

Deriving calculated production and consumption

A. Basic formulas

1. The present section provides information on how the 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 (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) $\text{Production} = \text{Total amount produced} - \text{amount destroyed} - \text{amount produced for internal feedstock uses}^1 - \text{exports for feedstock uses};^2$
 - (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 decision X/14. For example, when a party reports production for process agent uses, that production is

¹ The component "amount produced for internal feedstock uses" is the amount produced for feedstock uses within the producing party.

² In applying 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.

excluded from the production the calculation 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 (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) $\text{Production} = \text{Total amount produced} - \text{amount destroyed} - \text{amount produced for internal feedstock uses}^1 - \text{exports for feedstock uses}^2 - \text{production of methyl bromide for quarantine and pre-shipment applications}^3 - \text{HFC-23 captured for destruction};$

(b) $\text{Consumption} = \text{Production} + (\text{imports} - \text{imports for feedstock uses} - \text{imports of methyl bromide for quarantine and pre-shipment applications}) - (\text{exports} - \text{exports for feedstock uses}^2 - \text{exports of methyl bromide for quarantine and pre-shipment applications}^4 - \text{exports to non-parties}).$

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.

³ Production of methyl bromide for quarantine and pre-shipment applications includes production for use within the producing party and production for export purposes.

⁴ 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 CFCs, carbon tetrachloride and methyl chloroform) and Annex C, group I, substances (HCFCs) Control production and consumption of Annex B substances (other 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 amendment |
| Copenhagen Amendment | Report Article 7 data for Annex C, group I and group II, substances (HCFCs and hydrobromofluorocarbons) and the Annex E 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 substance (methyl bromide) Ban imports and exports of Annex C, group II, substances (hydrobromofluorocarbons) to any State not party to the 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 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) from and to any State not party to the amendment (for Article 5 parties of the Protocol, the ban commenced 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 2023 and 2024 for all parties

1. The control measures for 2023 and 2024 applicable to non-Article 5 parties are summarized in table 1 while those applicable to Article 5 parties are summarized in table 2.
2. For all parties, excess production or consumption is allowed for exempted amounts approved for essential uses or critical uses, laboratory and analytical uses and increased production for satisfying the basic domestic needs of Article 5 parties. In reviewing compliance, the 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 2023 and 2024 applicable to non-Article 5 parties

| <i>Annex/group</i> | <i>Control measures for 2023 and 2024 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) | 2023: No greater than 90 per cent of the baseline ^b 2024: No greater than 60 per cent of the baseline ^b |

^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 in accordance with paragraph 1 of decision XXVIII/2.

Table 2
Control measures for 2023 and 2024 applicable to Article 5 parties

| <i>Annex/group(s)</i> | <i>Control measures for 2023 and 2024 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) | No greater than 65 per cent of the baseline |
| F (HFCs) | 2024: No greater than the baseline ^b |

^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, in accordance with paragraph 1 of decision XXVIII/2.

Annex IVa- 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 - 112 (Population**: 3,665,212) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -262.6 | 542,790.9 | -100 | -295.7 | 623,612.4 | -100.00 | 0.0000 |
| AII - Halons | -153.4 | 110,912.0 | -100 | -399.7 | 108,385.0 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 2,703.0 | -100 | 0.0 | 2,752.7 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | -61.4 | 222,910.3 | -100 | -3,188.8 | 239,759.6 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 3.8 | 30,203.3 | -99.99 | 4.6 | 32,722.0 | -99.99 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 277.53 | 20,288.10 | -98.63 | 2,885.48 | 28,798.72 | -89.98 | 0.0008 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | | -100 | -0.5 | | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | -1.5 | | -100 | -3.7 | | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 5,923.1 | -100 | 28.5 | 20,924.7 | -99.86 | 0.0000 |
| Subtotal - Summation excludes Annex F | -197.57 | 935,730.70 | -100 | -969.82 | 1,056,955.12 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 10,812,672 | 151,116,066 | -92.84 | 346,801,814 | 686,915,396 | -49.51 | 94.6199 |
| Article 5 Parties - 84 (Population**: 2,478,502) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | 0.0 | 29,702.3 | -100 | 0.0 | 59,397.7 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 0.0 | -100 | 0.0 | 5,440.8 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 0.0 | -100 | 0.0 | 39.2 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 0.0 | 12,914.8 | -100 | 0.0 | 4,259.7 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 40.1 | -100 | 0.0 | 341.2 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 297.89 | 1,072.30 | -72.22 | 2,903.39 | 9,268.42 | -68.67 | 0.0012 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | | -100 | 0.0 | | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 0.0 | | -100 | 0.0 | | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 30.0 | -100 | 34.0 | 6,390.7 | -99.47 | 0.0000 |
| Subtotal - Summation excludes Annex F | 297.89 | 43,759.50 | -99.32 | 2,937.39 | 85,137.72 | -96.55 | 0.0012 |
| F - Hydrofluorocarbons (HFCs) | 650,437 | 23,445,690 | -97.23 | 243,486,698 | 373,167,104 | -34.75 | 98.2395 |
| Non-Article 5 Parties - 28 (Population**: 1,186,710) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -262.6 | 513,088.6 | -100 | -295.7 | 564,214.7 | -100.00 | 0.0000 |
| AII - Halons | -153.4 | 110,912.0 | -100 | -399.7 | 102,944.2 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 2,703.0 | -100 | 0.0 | 2,713.5 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | -61.4 | 209,995.5 | -100 | -3,188.8 | 235,499.9 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 3.8 | 30,163.2 | -99.99 | 4.6 | 32,380.8 | -99.99 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | -20.36 | 19,215.80 | -100 | -17.91 | 19,530.30 | -100.00 | 0.0000 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | | -100 | -0.5 | | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | -1.5 | | -100 | -3.7 | | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 5,893.1 | -100 | -5.5 | 14,534.0 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | -495.46 | 891,971.20 | -100 | -3,907.21 | 971,817.40 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 10,162,235 | 127,670,376 | -92.04 | 103,315,116 | 313,748,292 | -67.07 | 87.0601 |

* Production and Consumption numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

• % Chng = Percentage change of the annual figure when compared to the baseline.

• Per Cap. = Per capita consumption.

**Annex IVb - 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 - Date Received: 19-Aug-2025 Non-Article 5 Parties WEUR (Population**: 81) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 3.50 | -100 | 0.00 | 6.90 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 3.50 | -100 | 0.00 | 6.90 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 13,898 | -100 | 13,044 | 69,107 | -81.12 | 161.0370 |
| Australia - Date Received: 31-Jul-2025 Non-Article 5 Parties WEUR (Population**: 26,581) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -4.5 | 15,385.4 | -100 | -4.5 | 14,290.4 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | -7.16 | 587.10 | -100 | -5.93 | 548.70 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | -11.66 | 15,972.50 | -100 | -10.43 | 14,839.10 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | -943,347 | 1,205,875 | -100 | 4,251,739 | 10,814,521 | -60.68 | 159.9541 |
| Azerbaijan - Date Received: 13-Feb-2025 Non-Article 5 Parties EEUR (Population**: 10,305) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 7.40 | -100 | 0.00 | 14.90 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 7.40 | -100 | 0.00 | 14.90 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | | -100 | -982 | | -100.00 | 0.0000 |
| Belgium - Date Received: 1-Jul-2025 Non-Article 5 Parties WEUR (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 - Date Received: 30-Jun-2025 Non-Article 5 Parties EEUR (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 - Date Received: 31-Jul-2025 Non-Article 5 Parties WEUR (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 |
| Cyprus - Date Received: 20-Jun-2025 Non-Article 5 Parties ASIA (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 - Date Received: 30-Jun-2025 Non-Article 5 Parties EEUR (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 - Date Received: 30-Jun-2025 Non-Article 5 Parties WEUR (Population**: 5,964) | | | | | | | |
| BII - Carbon Tetrachloride (CTC) | -2.6 | 0.0 | -100 | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | -0.50 | 68.90 | -100 | | | | |
| Subtotal - Summation excludes Annex F | -3.10 | 68.90 | -100 | | | | |
| F - Hydrofluorocarbons (HFCs) | 0 | 118,820 | -100 | | | | |
| Estonia - Date Received: 30-Jun-2025 Non-Article 5 Parties EEUR (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 - Date Received: 30-Jun-2025 Non-Article 5 Parties WEUR (Population**: 506,178) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | | | | -291.2 | 309,307.6 | -100.00 | 0.0000 |
| AII - Halons | | | | -399.7 | 44,882.6 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | | | | -3,195.8 | 51,150.2 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | | | | 4.6 | 12,537.7 | -99.96 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | | | | -17.83 | 8,436.70 | -100.00 | 0.0000 |
| CII - Hydrobromofluorocarbons (HBFCs) | | | | -0.5 | | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | | | | -3.7 | | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | | | | -5.5 | 10,318.0 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | | | | -3,909.63 | 436,632.80 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | | | | 39,179,196 | 163,576,330 | -76.05 | 77.4020 |
| France - Date Received: 30-Jun-2025 Non-Article 5 Parties WEUR (Population**: 66,496) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -105.6 | 71,018.4 | -100 | | | | |
| AII - Halons | -151.4 | 34,465.0 | -100 | | | | |
| BII - Carbon Tetrachloride (CTC) | -42.6 | 5,119.4 | -100 | | | | |
| BIII - Methyl Chloroform (TCA) | 3.8 | 6,169.5 | -99.94 | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | -1.25 | 2,337.40 | -100 | | | | |
| Subtotal - Summation excludes Annex F | -297.05 | 119,109.70 | -100 | | | | |
| F - Hydrofluorocarbons (HFCs) | -189,814 | 32,975,001 | -100 | | | | |
| Germany - Date Received: 30-Jun-2025 Non-Article 5 Parties WEUR (Population**: 84,696) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -132.3 | 123,652.8 | -100 | | | | |

| | | | | | | | | |
|--|----------------|-------------------|---------------|-------------|------------------|----------------|---------------|--|
| BII - Carbon Tetrachloride (CTC) | -22.9 | 8,067.4 | -100 | | | | | |
| CI - 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) | 1,695,029 | 21,556,537 | -92.14 | | | | | |
| Holy See - Date Received: 7-Aug-2025 Non-Article 5 Parties WEUR (Population**: 0) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.10 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.10 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 407 | -100 | 251 | 1,392 | -81.97 | | |
| Hungary - Date Received: 30-Jun-2025 Non-Article 5 Parties EEUR (Population**: 9,690) | | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -3.5 | 0.0 | -100 | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 67.90 | -100 | | | | | |
| Subtotal - Summation excludes Annex F | -3.50 | 67.90 | -100 | | | | | |
| F - Hydrofluorocarbons (HFCs) | 0 | 72,881 | -100 | | | | | |
| Italy - Date Received: 30-Jun-2025 Non-Article 5 Parties WEUR (Population**: 59,435) | | | | | | | | |
| CI - 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 - Date Received: 28-May-2025 Non-Article 5 Parties ASIA (Population**: 124,071) | | | | | | | | |
| BII - Carbon Tetrachloride (CTC) | 6.9 | 19,602.0 | -99.96 | 6.9 | 74,879.2 | -99.99 | 0.0001 | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 5,645.40 | -100 | 0.00 | 5,554.90 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 6.90 | 25,247.40 | -99.97 | 6.90 | 80,434.10 | -99.99 | 0.0001 | |
| F - Hydrofluorocarbons (HFCs) | 15,894,179 | 50,031,911 | -68.23 | 23,897,698 | 71,521,258 | -66.59 | 192,6131 | |
| Lithuania - Date Received: 30-Jun-2025 Non-Article 5 Parties EEUR (Population**: 2,867) | | | | | | | | |
| 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 - Date Received: 30-Jun-2025 Non-Article 5 Parties WEUR (Population**: 669) | | | | | | | | |
| 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 - Date Received: 7-May-2025 Non-Article 5 Parties WEUR (Population**: 39) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 1.20 | -100 | 0.00 | 2.40 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 1.20 | -100 | 0.00 | 2.40 | -100.00 | 0.0000 | |
| Norway - Date Received: 30-Jun-2025 Non-Article 5 Parties WEUR (Population**: 5,550) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 38.00 | -100 | 0.00 | 76.00 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 38.00 | -100 | 0.00 | 76.00 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 138,936 | -100 | 225,283 | 989,402 | -77.23 | 40,5915 | |
| Poland - Date Received: 30-Jun-2025 Non-Article 5 Parties EEUR (Population**: 38,712) | | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -5.9 | 0.0 | -100 | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | -0.51 | 97.30 | -100 | | | | | |
| Subtotal - Summation excludes Annex F | -6.41 | 97.30 | -100 | | | | | |
| F - Hydrofluorocarbons (HFCs) | -60,575 | 221,244 | -100 | | | | | |
| Portugal - Date Received: 23-Jun-2025 Non-Article 5 Parties WEUR (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 | | | | | |
| Russian Federation - Date Received: 6-Jun-2025 Non-Article 5 Parties EEUR (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) | -6,229,068 | 15,352,188 | -100 | 27,354,443 | 48,729,257 | -43.86 | 188,3837 | |
| San Marino - Date Received: 20-May-2025 Non-Article 5 Parties WEUR (Population**: 34) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.20 | -100 | 0.00 | 0.40 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.20 | -100 | 0.00 | 0.40 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 366 | -100 | 0 | 11,509 | -100.00 | 0.0000 | |
| Slovenia - Date Received: 3-Jul-2025 Non-Article 5 Parties EEUR (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 | | | | | |
| Sweden - Date Received: 30-Jun-2025 Non-Article 5 Parties WEUR (Population**: 10,581) | | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -10.8 | 0.0 | -100 | | | | | |
| All - Halons | -2.0 | 0.0 | -100 | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | -0.23 | 78.60 | -100 | | | | | |
| Subtotal - Summation excludes Annex F | -13.03 | 78.60 | -100 | | | | | |
| F - Hydrofluorocarbons (HFCs) | -15 | 252,936 | -100 | | | | | |

* Production and Consumption numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

- % Chng = Percentage change of the annual figure when compared to the baseline.
- Per Cap. = Per capita consumption.

**Annex IVc - 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 - Date Received: 15-Jun-2025 Article 5 Parties ASIA (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 |
| Angola - Date Received: 11-Aug-2025 Article 5 Parties AFR (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 | 3,878,000 | 0.00 | 103.9311 |
| Antigua and Barbuda - Date Received: 3-Jun-2025 Article 5 Parties LAC (Population**: 94) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 85,977 | | | 914.6489 |
| Argentina - Date Received: 14-Aug-2025 Article 5 Parties LAC (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 |
| Barbados - Date Received: 30-Apr-2025 Article 5 Parties LAC (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 - Date Received: 8-May-2025 Article 5 Parties LAC (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 - Date Received: 8-Jul-2025 Article 5 Parties AFR (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 - Date Received: 14-Jul-2025 Article 5 Parties ASIA (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) - Date Received: 25-Aug-2025 Article 5 Parties LAC (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 |
| Botswana - Date Received: 16-Apr-2025 Article 5 Parties AFR (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 - Date Received: 17-Jun-2025 Article 5 Parties LAC (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 | 76,344,535 | -42.77 | 206.5148 |
| Brunei Darussalam - Date Received: 21-Jun-2025 Article 5 Parties ASIA (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 | | | 721.8113 |
| Cambodia - Date Received: 22-Aug-2025 Article 5 Parties ASIA (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 - Date Received: 17-Apr-2025 Article 5 Parties AFR (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 - Date Received: 18-Aug-2025 Article 5 Parties AFR (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 - Date Received: 3-Jul-2025 Article 5 Parties AFR (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 |
| Colombia - Date Received: 25-Jun-2025 Article 5 Parties LAC (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 | 4,647,025 | 8,652,982 | -46.30 | 88.3297 |
| Congo - Date Received: 22-Jun-2025 Article 5 Parties AFR (Population**: 6,258) | | | | | | | |
| Cl - 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 |
| Costa Rica - Date Received: 30-Apr-2025 Article 5 Parties LAC (Population**: 5,118) | | | | | | | |
| Cl - 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 - Date Received: 7-Aug-2025 Article 5 Parties AFR (Population**: 31,548) | | | | | | | |
| Cl - 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 - Date Received: 9-Apr-2025 Article 5 Parties LAC (Population**: 11,001) | | | | | | | |
| Cl - 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 - Date Received: 2-Jun-2025 Article 5 Parties ASIA (Population**: 26,460) | | | | | | | |
| Cl - 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 |
| Dominica - Date Received: 28-Apr-2025 Article 5 Parties LAC (Population**: 66) | | | | | | | |
| Cl - 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 - Date Received: 22-Aug-2025 Article 5 Parties LAC (Population**: 11,380) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 29.20 | 51.20 | -42.97 | 0.0026 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 29.20 | 51.20 | -42.97 | 0.0026 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 3,034,223 | 3,834,089 | -20.86 | 266.6277 |
| Egypt - Date Received: 18-May-2025 Article 5 Parties AFR (Population**: 115,578) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 215.09 | 386.30 | -44.32 | 0.0019 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 215.09 | 386.30 | -44.32 | 0.0019 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 17,259,729 | 19,290,350 | -10.53 | 149.3340 |
| El Salvador - Date Received: 17-Apr-2025 Article 5 Parties LAC (Population**: 6,324) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.08 | 11.70 | -82.22 | 0.0003 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.08 | 11.70 | -82.22 | 0.0003 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 811,533 | 922,362 | -12.02 | 128.3259 |
| Eritrea - Date Received: 30-Apr-2025 Article 5 Parties AFR (Population**: 3,502) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.39 | 1.09 | -64.22 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.39 | 1.09 | -64.22 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 169,236 | 169,249 | -0.01 | 48.3255 |
| Ethiopia - Date Received: 26-Aug-2025 Article 5 Parties AFR (Population**: 130,355) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 3.30 | 5.50 | -40.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 3.30 | 5.50 | -40.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 199,749 | 347,035 | -42.44 | 1.5323 |
| Gabon - Date Received: 19-Aug-2025 Article 5 Parties AFR (Population**: 2,512) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 6.66 | 30.20 | -77.95 | 0.0027 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 6.66 | 30.20 | -77.95 | 0.0027 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 963,332 | 2,182,210 | -55.86 | 383.4920 |
| Gambia - Date Received: 25-May-2025 Article 5 Parties AFR (Population**: 2,729) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.17 | 1.50 | -88.67 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.17 | 1.50 | -88.67 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 177,868 | 271,515 | -34.49 | 65.1770 |
| Guatemala - Date Received: 13-Aug-2025 Article 5 Parties LAC (Population**: 18,265) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.84 | 8.30 | -77.83 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.84 | 8.30 | -77.83 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 945,404 | 1,217,998 | -22.38 | 51.7604 |
| Guinea - Date Received: 16-Mar-2025 Article 5 Parties AFR (Population**: 14,582) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.83 | 22.60 | -96.33 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.83 | 22.60 | -96.33 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,836,016 | 1,826,976 | 0.49 | 125.9098 |
| Guinea Bissau - Date Received: 6-Aug-2025 Article 5 Parties AFR (Population**: 2,177) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.61 | 2.83 | -78.45 | 0.0003 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.61 | 2.83 | -78.45 | 0.0003 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 568,512 | 722,391 | -21.30 | 261.1447 |
| Guyana - Date Received: 14-Aug-2025 Article 5 Parties LAC (Population**: 829) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.25 | 1.80 | -86.11 | 0.0003 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.25 | 1.80 | -86.11 | 0.0003 |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 218,744 | 146,169 | 49.65 | 263.8649 |
| Haiti - Date Received: 18-Aug-2025 Article 5 Parties LAC (Population**: 11,705) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.05 | 3.63 | -43.53 | 0.0002 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.05 | 3.63 | -43.53 | 0.0002 |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 56,307 | 149,322 | -62.29 | 4.8105 |
| Iran (Islamic Republic of) - Date Received: 13-Jul-2025 Article 5 Parties ASIA (Population**: 91,115) | | | | | | | |
| Cl - 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 - Date Received: 23-Apr-2025 Article 5 Parties ASIA (Population**: 45,558) | | | | | | | |
| Cl - 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 - Date Received: 14-Mar-2025 Article 5 Parties LAC (Population**: 2,840) | | | | | | | |
| Cl - 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 - Date Received: 28-Jul-2025 Article 5 Parties ASIA (Population**: 11,531) | | | | | | | |
| Cl - 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 |

| | | | | | | | |
|---|---------------|---------------|---------------|---------------|-----------------|----------------|---------------|
| Kyrgyzstan - Date Received: 22-Jul-2025 Article 5 Parties ASIA (Population**: 7,131) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 4.10 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 4.10 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 230,930 | 450,382 | -48.73 | 32,3840 |
| Lebanon - Date Received: 29-Jul-2025 Article 5 Parties ASIA (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 - Date Received: 31-May-2025 Article 5 Parties AFR (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 - Date Received: 21-Mar-2025 Article 5 Parties AFR (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 - Date Received: 5-Jul-2025 Article 5 Parties AFR (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 |
| Malawi - Date Received: 1-Apr-2025 Article 5 Parties AFR (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 |
| Maldives - Date Received: 4-Mar-2025 Article 5 Parties ASIA (Population**: 527) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 4.60 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 4.60 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 390,586 | 434,219 | -10.05 | 741,1499 |
| Mali - Date Received: 8-Jul-2025 Article 5 Parties AFR (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 |
| Mauritius - Date Received: 29-Apr-2025 Article 5 Parties AFR (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 - Date Received: 7-May-2025 Article 5 Parties LAC (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 |
| Mongolia - Date Received: 2-Jun-2025 Article 5 Parties ASIA (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 - Date Received: 20-May-2025 Article 5 Parties EUR (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 - Date Received: 18-Aug-2025 Article 5 Parties AFR (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 | 2,134,520 | 23.94 | 69,8018 |
| Namibia - Date Received: 11-Jun-2025 Article 5 Parties AFR (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 | 916,622 | 774,924 | 18.29 | 305,7445 |
| Nepal - Date Received: 8-Aug-2025 Article 5 Parties ASIA (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 - Date Received: 25-Aug-2025 Article 5 Parties LAC (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 - Date Received: 29-May-2025 Article 5 Parties AFR (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 - Date Received: 13-Aug-2025 Article 5 Parties AFR (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 | 24,024,338 | 15,187,779 | 58.18 | 104,3307 |
| North Macedonia - Date Received: 28-Aug-2025 Article 5 Parties EUR (Population**: 1,828) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 1.80 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 1.80 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 253,091 | 397,843 | -36.38 | 138,4524 |
| Oman - Date Received: 29-Apr-2025 Article 5 Parties ASIA (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 - Date Received: 28-Apr-2025 Article 5 Parties ASIA (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 |
| Palau - Date Received: 19-May-2025 Article 5 Parties ASIA (Population**: 18) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 9,644 | 10,368 | -6.98 | 535,7778 |

| | | | | | | | | |
|---|-------------|---------------|-------------|---------------|-----------------|----------------|---------------|--|
| Paraguay - Date Received: 12-Mar-2025 Article 5 Parties LAC (Population**: 6,887) | | | | | | | | |
| Cl - 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 - Date Received: 25-Mar-2025 Article 5 Parties LAC (Population**: 34,035) | | | | | | | | |
| Cl - 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 - Date Received: 30-Jun-2025 Article 5 Parties ASIA (Population**: 115,371) | | | | | | | | |
| Cl - 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 - Date Received: 6-May-2025 Article 5 Parties ASIA (Population**: 3,012) | | | | | | | | |
| Cl - 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 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 181,430 | 338,197 | -46.35 | 12.8619 | |
| Rwanda - Date Received: 1-May-2025 Article 5 Parties AFR (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 | 2,122,051 | 2,786,915 | -23.86 | 116.0352 | |
| Saint Vincent and the Grenadines - Date Received: 5-Feb-2025 Article 5 Parties LAC (Population**: 101) | | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs)**** | 0 | 0 | -100 | 45,975 | 25,280 | 81.86 | 455.1980 | |
| Saudi Arabia - Date Received: 14-Aug-2025 Article 5 Parties ASIA (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 | 2,122,051 | 2,786,915 | -23.86 | 116.0352 | |
| Senegal - Date Received: 17-Jul-2025 Article 5 Parties AFR (Population**: 18,288) | | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 8.86 | 36.20 | -75.52 | 0.0005 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 8.86 | 36.20 | -75.52 | 0.0005 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 2,122,051 | 2,786,915 | -23.86 | 116.0352 | |
| Seychelles - Date Received: 12-Mar-2025 Article 5 Parties AFR (Population**: 129) | | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 1.40 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 1.40 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 157,112 | 249,400 | -37.00 | 1,217.9225 | |
| Sierra Leone - Date Received: 8-Jul-2025 Article 5 Parties AFR (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 | 271,158 | 350,905 | -22.73 | 31.7033 | |
| Somalia - Date Received: 29-Aug-2025 Article 5 Parties AFR (Population**: 18,686) | | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 45.10 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 45.10 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,015,385 | 1,276,672 | -20.47 | 54.3393 | |
| South Africa - Date Received: 24-Jul-2025 Article 5 Parties AFR (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 | 10,048,744 | 13,843,139 | -27.41 | 157.9296 | |
| South Sudan - Date Received: 13-May-2025 Article 5 Parties AFR (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 | 221,410 | -81.86 | 3.3984 | |
| Sri Lanka - Date Received: 6-Aug-2025 Article 5 Parties ASIA (Population**: 23,038) | | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 8.75 | 13.90 | -37.05 | 0.0004 | |
| El - Methyl Bromide (MB) | 0.0 | 0.0 | -100 | 34.0 | 4.1 | 729.27 | 0.0015 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 42.75 | 18.00 | 137.50 | 0.0019 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,102,060 | 1,170,234 | -5.83 | 47.8366 | |
| Sudan - Date Received: 10-Aug-2025 Article 5 Parties AFR (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 | 1,743,144 | -92.13 | 2.7425 | |
| Togo - Date Received: 8-Jul-2025 Article 5 Parties AFR (Population**: 9,412) | | | | | | | | |
| Cl - 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 | |
| Trinidad and Tobago - Date Received: 30-Apr-2025 Article 5 Parties LAC (Population**: 1,506) | | | | | | | | |
| Cl - 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 | 1,970.2072 | |
| Türkiye - Date Received: 4-Jul-2025 Article 5 Parties WEUR (Population**: 87,372) | | | | | | | | |
| Cl - 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 - Date Received: 20-Aug-2025 Article 5 Parties ASIA (Population**: 7,431) | | | | | | | | |
| Cl - 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 | |
| United Arab Emirates - Date Received: 30-Jun-2025 Article 5 Parties ASIA (Population**: 10,839) | | | | | | | | |
| Cl - 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) | 0 | 0 | -100 | 143,372 | 218,611 | -34.42 | 2.1216 | |
| United Republic of Tanzania - Date Received: 31-May-2025 Article 5 Parties AFR (Population**: 67,578) | | | | | | | | |
| Cl - 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 | |
| Venezuela (Bolivarian Republic of) - Date Received: 30-Jul-2025 Article 5 Parties LAC (Population**: 28,351) | | | | | | | | |
| Cl - 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 | |

Zambia - Date Received: 30-May-2025 Article 5 Parties AFR (Population: 21,018)**

| | | | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|---------------|---------------|
| Cl - 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 | 1,166,837 | 699,513 | 66.81 | 55,5161 |

* Production and Consumption numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

*** The party has not ratified the Kigali Amendment and is not obligated to submit Article 7 data for HFCs.

**** Submitted before the party ratified the Kigali Amendment.

- % Chng = Percentage change of the annual figure when compared to the baseline.
- Per Cap. = Per capita consumption.

**Annex Va- Production and consumption of controlled substances - comparison of 2023 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* | | | |
|---|------------------|---------------------|---------------|------------------|---------------------|----------------|----------------|
| | 2023 | Base | % Chng | 2023 | Base | % Chng | Per Cap. Cons. |
| All Parties - 198 (Population**: 8,521,318) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -541.4 | 1,124,768.6 | -100 | -541.2 | 1,106,173.7 | -100.00 | 0.0000 |
| AII - Halons | -52.0 | 231,127.8 | -100 | -52.0 | 219,634.9 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | -130.2 | 3,344.7 | -100 | -130.2 | 3,389.1 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | -2,112.2 | 390,170.7 | -100 | 565.9 | 321,995.8 | -99.82 | 0.0001 |
| BIII - Methyl Chloroform (TCA) | -31.1 | 69,670.6 | -100 | -31.1 | 62,547.6 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 13,357.20 | 74,174.70 | -81.99 | 12,941.96 | 72,716.69 | -82.20 | 0.0015 |
| CII - Hydrobromofluorocarbons (HBFCs) | -0.1 | | -100 | -0.7 | | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | -3.7 | | -100 | -2.2 | | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | -53.6 | 40,407.4 | -100 | -40.5 | 43,173.8 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 10,440.30 | 1,933,664.50 | -99.46 | 12,709.96 | 1,829,031.59 | -99.31 | 0.0015 |
| F - Hydrofluorocarbons (HFCs) | 1,729,606,531 | 2,440,146,038 | -29.12 | 1,640,028,170 | 2,147,375,790 | -23.63 | 192.4618 |
| Article 5 Parties - 147 (Population**: 6,660,144) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -45.3 | 108,540.6 | -100 | -45.3 | 164,922.6 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 44,959.8 | -100 | 0.0 | 46,492.4 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 26.7 | -100 | 0.0 | 80.2 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 109.4 | 57,532.2 | -99.81 | 109.6 | 65,707.5 | -99.83 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 152.9 | -100 | 0.0 | 1,861.9 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 13,375.80 | 32,988.90 | -59.45 | 12,967.75 | 35,805.29 | -63.78 | 0.0019 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | | -100 | 0.0 | | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 0.0 | | -100 | 0.0 | | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 806.3 | -100 | 0.0 | 9,504.9 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 13,439.90 | 245,007.40 | -94.51 | 13,032.05 | 324,374.79 | -95.98 | 0.0020 |
| F - Hydrofluorocarbons (HFCs) | 1,537,154,721 | 1,887,966,058 | -18.58 | 1,223,768,976 | 1,500,645,739 | -18.45 | 183.7451 |
| Non-Article 5 Parties - 51 (Population**: 1,861,174) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -496.1 | 1,016,228.0 | -100 | -495.9 | 941,251.1 | -100.00 | 0.0000 |
| AII - Halons | -52.0 | 186,168.0 | -100 | -52.0 | 173,142.5 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | -130.2 | 3,318.0 | -100 | -130.2 | 3,308.9 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | -2,221.6 | 332,638.5 | -100 | 456.3 | 255,688.3 | -99.82 | 0.0002 |
| BIII - Methyl Chloroform (TCA) | -31.1 | 69,517.7 | -100 | -31.1 | 60,685.7 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | -18.60 | 41,185.80 | -100 | -25.79 | 36,911.40 | -100.00 | 0.0000 |
| CII - Hydrobromofluorocarbons (HBFCs) | -0.1 | | -100 | -0.7 | | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 3.7 | | -100 | -2.2 | | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | -53.6 | 39,601.1 | -100 | -40.5 | 33,668.9 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | -2,999.60 | 1,688,657.10 | -100 | -322.09 | 1,504,656.80 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 192,451,810 | 552,179,980 | -65.15 | 416,259,194 | 646,730,051 | -35.64 | 223.6541 |

* Production and Consumption numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

• % Chng = Percentage change of the annual figure when compared to the baseline.

• Per Cap. = Per capita consumption.

**Annex Vb - Production and consumption of controlled substances - comparison of 2023 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* | | | |
|---|---|------------------|-------------|--------------|------------------|----------------|----------------|
| | 2023 | Base | % Chng | 2023 | Base | % Chng | Per Cap. Cons. |
| Andorra - Date Received: 19-Jul-2024 | Non-Article 5 Parties WEUR (Population**: 80) | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 3.50 | -100 | 0.00 | 6.90 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 3.50 | -100 | 0.00 | 6.90 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 13,898 | -100 | 16,382 | 69,107 | -76.29 | 204.7750 |
| Australia - Date Received: 16-Jul-2024 | Non-Article 5 Parties WEUR (Population**: 26,321) | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -8.2 | 15,385.4 | -100 | -8.2 | 14,290.4 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | -6.65 | 587.10 | -100 | -5.54 | 548.70 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 0.0 | -100 | 17.4 | 422.4 | -95.88 | 0.0007 |
| Subtotal - Summation excludes Annex F | -14.85 | 15,972.50 | -100 | 3.66 | 15,261.50 | -99.98 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | -905,330 | 1,205,875 | -100 | 5,220,092 | 10,814,521 | -51.73 | 198.3242 |
| Austria - Date Received: 14-Oct-2024 | Non-Article 5 Parties WEUR (Population**: 9,136) | | | | | | |
| 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 - Date Received: 13-Feb-2025 | Non-Article 5 Parties EEUR (Population**: 10,332) | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 7.40 | -100 | 0.01 | 14.90 | -99.93 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 7.40 | -100 | 0.01 | 14.90 | -99.93 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | | -100 | -301 | | -100.00 | 0.0000 |
| Belarus - Date Received: 2-Aug-2024 | Non-Article 5 Parties EEUR (Population**: 9,145) | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 25.00 | -100 | 0.00 | 50.00 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 25.00 | -100 | 0.00 | 50.00 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 59,139 | -100 | 2,529,110 | 5,077,555 | -50.19 | 276.5566 |
| Belgium - Date Received: 25-Sept-2024 | Non-Article 5 Parties WEUR (Population**: 11,698) | | | | | | |
| BII - Carbon Tetrachloride (CTC) | -650.1 | 26,592.5 | -100 | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | | | | |
| Subtotal - Summation excludes Annex F | -650.10 | 26,592.50 | -100 | | | | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | | | | |
| Bulgaria - Date Received: 27-Sept-2024 | Non-Article 5 Parties EEUR (Population**: 6,813) | | | | | | |
| 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 - Date Received: 6-May-2024 | Non-Article 5 Parties WEUR (Population**: 39,060) | | | | | | |
| 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 | 0.14 | 892.30 | -99.98 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 0.0 | -100 | 2.8 | 120.1 | -97.67 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 30,129.10 | -100 | 3.04 | 7,180.10 | -99.96 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 2,174,370 | -100 | 11,959,147 | 18,035,516 | -33.69 | 306.1738 |
| Croatia - Date Received: 3-Oct-2024 | Non-Article 5 Parties EEUR (Population**: 3,903) | | | | | | |
| 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 - Date Received: 2-Oct-2024 | Non-Article 5 Parties ASIA (Population**: 1,338) | | | | | | |
| 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 - Date Received: 30-Sept-2024 | Non-Article 5 Parties EEUR (Population**: 10,828) | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -1.7 | 1,977.6 | -100 | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | -0.05 | 107.60 | -100 | | | | |
| Subtotal - Summation excludes Annex F | -1.75 | 2,085.20 | -100 | | | | |
| F - Hydrofluorocarbons (HFCs) | -15,495 | 162,669 | -100 | | | | |
| Denmark - Date Received: 30-Sept-2024 | Non-Article 5 Parties WEUR (Population**: 5,932) | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | -0.75 | 68.90 | -100 | | | | |
| Subtotal - Summation excludes Annex F | -0.75 | 68.90 | -100 | | | | |
| F - Hydrofluorocarbons (HFCs) | 0 | 118,820 | -100 | | | | |
| Estonia - Date Received: 29-Sept-2024 | Non-Article 5 Parties EEUR (Population**: 1,367) | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | -0.04 | 2.80 | -100 | | | | |
| Subtotal - Summation excludes Annex F | -0.04 | 2.80 | -100 | | | | |
| F - Hydrofluorocarbons (HFCs) | 0 | 5,009 | -100 | | | | |
| European Union - Date Received: 30-Sept-2024 | Non-Article 5 Parties WEUR (Population**: 506,068) | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -204.9 | 309,307.6 | -100.00 | | | | 0.0000 |
| AII - Halons | -49.3 | 44,882.6 | -100.00 | | | | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 2,058.6 | 51,150.2 | -95.98 | | | | 0.0041 |
| CI - Hydrochlorofluorocarbons (HCFCs) | -15.76 | 8,436.70 | -100.00 | | | | 0.0000 |
| CII - Hydrobromofluorocarbons (HBFCs) | -0.6 | | -100.00 | | | | 0.0000 |
| CIII - Bromochloromethane (BCM) | -5.7 | | -100.00 | | | | 0.0000 |

| | | | | | | |
|---|--|--|-----------------|-------------------|---------------|---------------|
| El - Methyl Bromide (MB) | | | -4.3 | 10,318.0 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | | | 1,778.04 | 424,095.10 | -99.58 | 0.0035 |
| F - Hydrofluorocarbons (HFCs) | | | 63,145,832 | 163,576,330 | -61.40 | 124,777.4 |
| Finland - Date Received: 27-Sept-2024 Non-Article 5 Parties WEUR (Population**: 5,590) | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 36.50 | -100 | |
| Subtotal - Summation excludes Annex F | | | 0.00 | 36.50 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | -12,147 | 78,600 | -100 | |
| France - Date Received: 27-Sept-2024 Non-Article 5 Parties WEUR (Population**: 66,381) | | | | | | |
| Al - Chlorofluorocarbons (CFCs) | | | -66.1 | 71,018.4 | -100 | |
| All - Halons | | | -49.3 | 34,465.0 | -100 | |
| BII - Carbon Tetrachloride (CTC) | | | 46.4 | 5,119.4 | -99.09 | |
| BIII - Methyl Chloroform (TCA) | | | -0.8 | 6,169.5 | -100 | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | -3.23 | 2,337.40 | -100 | |
| Subtotal - Summation excludes Annex F | | | -73.03 | 119,109.70 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | 3,562,848 | 32,975,001 | -89.20 | |
| Germany - Date Received: 30-Sept-2024 Non-Article 5 Parties WEUR (Population**: 84,401) | | | | | | |
| Al - Chlorofluorocarbons (CFCs) | | | -117.7 | 123,652.8 | -100 | |
| BII - Carbon Tetrachloride (CTC) | | | -16.3 | 8,067.4 | -100 | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | -1.95 | 3,425.60 | -100 | |
| CIII - Bromochloromethane (BCM) | | | 0.2 | | | |
| Subtotal - Summation excludes Annex F | | | -135.75 | 135,145.80 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | 2,032,194 | 21,556,537 | -90.57 | |
| Greece - Date Received: 30-Sept-2024 Non-Article 5 Parties WEUR (Population**: 10,349) | | | | | | |
| 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 - Date Received: 26-Feb-2024 Non-Article 5 Parties WEUR (Population**: 1) | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 0.10 | -100 | |
| Subtotal - Summation excludes Annex F | | | 0.00 | 0.10 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | 0 | 407 | -100 | |
| | | | | 892 | 1,392 | -35.92 |
| | | | | | | 892.0000 |
| Hungary - Date Received: 30-Sept-2024 Non-Article 5 Parties EEUR (Population**: 9,683) | | | | | | |
| Al - Chlorofluorocarbons (CFCs) | | | -7.5 | 0.0 | -100 | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | -0.07 | 67.90 | -100 | |
| Subtotal - Summation excludes Annex F | | | -7.57 | 67.90 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | 0 | 72,881 | -100 | |
| Iceland - Date Received: 15-Nov-2024 Non-Article 5 Parties WEUR (Population**: 384) | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 4.30 | -100 | |
| Subtotal - Summation excludes Annex F | | | 0.00 | 4.30 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | 0 | 13,767 | -100 | |
| | | | | 8,356 | 271,188 | -96.92 |
| | | | | | | 21,760.4 |
| Ireland - Date Received: 27-Sept-2024 Non-Article 5 Parties WEUR (Population**: 5,166) | | | | | | |
| 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 - Date Received: 26-Jun-2024 Non-Article 5 Parties WEUR (Population**: 9,191) | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 164.50 | -100 | |
| CIII - Bromochloromethane (BCM) | | | 3.5 | | | |
| El - Methyl Bromide (MB) | | | -51.4 | 16,800.0 | -100 | |
| Subtotal - Summation excludes Annex F | | | -47.90 | 16,964.50 | -100 | |
| | | | | 1.21 | 329.00 | -99.63 |
| | | | | | | 0.0001 |
| | | | | 3.5 | | 0.0004 |
| | | | | -51.4 | 2,148.0 | -100.00 |
| | | | | | | 0.0000 |
| | | | | -46.69 | 2,477.00 | -100.00 |
| | | | | | | 0.0000 |
| Italy - Date Received: 27-Sept-2024 Non-Article 5 Parties WEUR (Population**: 59,564) | | | | | | |
| Al - Chlorofluorocarbons (CFCs) | | | -7.1 | 56,656.4 | -100 | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 1,704.10 | -100 | |
| Subtotal - Summation excludes Annex F | | | -7.10 | 58,360.50 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | 0 | 3,182,160 | -100 | |
| Japan - Date Received: 22-May-2024 Non-Article 5 Parties ASIA (Population**: 124,671) | | | | | | |
| BII - Carbon Tetrachloride (CTC) | | | 7.3 | 19,602.0 | -99.96 | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 5,645.40 | -100 | |
| Subtotal - Summation excludes Annex F | | | 7.30 | 25,247.40 | -99.97 | |
| F - Hydrofluorocarbons (HFCs) | | | 24,763,522 | 50,031,911 | -50.50 | |
| | | | | 29,006,077 | 71,521,258 | -59.44 |
| | | | | | | 232,661.0 |
| Kazakhstan - Date Received: 19-Sept-2024 Non-Article 5 Parties ASIA (Population**: 20,196) | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 19.80 | -100 | |
| Subtotal - Summation excludes Annex F | | | 0.00 | 19.80 | -100 | |
| | | | | 0.25 | 39.50 | -99.37 |
| | | | | 0.25 | 39.50 | -99.37 |
| | | | | | | 0.0000 |
| | | | | | | 0.0000 |
| Latvia - Date Received: 10-Sept-2024 Non-Article 5 Parties EEUR (Population**: 1,885) | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 69.00 | -100 | |
| Subtotal - Summation excludes Annex F | | | 0.00 | 69.00 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | 0 | 107,215 | -100 | |
| Liechtenstein - Date Received: 30-Sept-2024 Non-Article 5 Parties WEUR (Population**: 39) | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 0.30 | -100 | |
| Subtotal - Summation excludes Annex F | | | 0.00 | 0.30 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | 0 | 1,055 | -100 | |
| | | | | 6,357 | 12,258 | -48.14 |
| | | | | | | 163,000.0 |
| Lithuania - Date Received: 30-Sept-2024 Non-Article 5 Parties EEUR (Population**: 2,841) | | | | | | |
| 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 - Date Received: 30-Sept-2024 Non-Article 5 Parties WEUR (Population**: 661) | | | | | | |
| 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 - Date Received: 24-Sept-2024 Non-Article 5 Parties WEUR (Population**: 530) | | | | | | |
| 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 - Date Received: 14-Jun-2024 Non-Article 5 Parties WEUR (Population**: 39) | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 1.20 | -100 | |
| Subtotal - Summation excludes Annex F | | | 0.00 | 1.20 | -100 | |
| F - Hydrofluorocarbons (HFCs) | | | 0 | | -100 | |
| | | | | 6,076 | | 155,794.9 |
| | | | | 0.00 | 2.40 | -100.00 |
| | | | | 0.00 | 2.40 | -100.00 |
| | | | | | | 0.0000 |
| | | | | | | 0.0000 |
| Netherlands (Kingdom of the) - Date Received: 27-Sept-2024 Non-Article 5 Parties WEUR (Population**: 18,019) | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | | | 0.00 | 1,568.70 | -100 | |
| Subtotal - Summation excludes Annex F | | | 0.00 | 1,568.70 | -100 | |

| | | | | | | | | |
|---|------------------------------|-------------------|-----------------------|------------------|-------------------|----------------|---------------|--|
| F - Hydrofluorocarbons (HFCs) | -127.931 | 3,342,468 | -100 | | | | | |
| New Zealand - Date Received: 5-Jun-2024 | Non-Article 5 Parties | WEUR | (Population**: | 5,151) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 28.00 | -100 | 0.00 | 56.10 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 28.00 | -100 | 0.00 | 56.10 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 76,343 | -100 | 283,510 | 1,795,965 | -84.21 | 55.0398 | |
| Norway - Date Received: 28-Jun-2024 | Non-Article 5 Parties | WEUR | (Population**: | 5,489) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 38.00 | -100 | 0.00 | 76.00 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 38.00 | -100 | 0.00 | 76.00 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 138,936 | -100 | 176,462 | 989,402 | -82.16 | 32.1483 | |
| Poland - Date Received: 30-Sept-2024 | Non-Article 5 Parties | EEUR | (Population**: | 38,814) | | | | |
| Al - Chlorofluorocarbons (CFCs) | -5.0 | 0.0 | -100 | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | -0.11 | 97.30 | -100 | | | | | |
| Subtotal - Summation excludes Annex F | -5.11 | 97.30 | -100 | | | | | |
| F - Hydrofluorocarbons (HFCs) | -58,053 | 221,244 | -100 | | | | | |
| Portugal - Date Received: 1-Oct-2024 | Non-Article 5 Parties | WEUR | (Population**: | 10,431) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | | | | | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | | | | | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | | | | | |
| Romania - Date Received: 3-Jul-2024 | Non-Article 5 Parties | EEUR | (Population**: | 19,169) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | | -100 | | | | | |
| Subtotal - Summation excludes Annex F | 0.00 | | -100 | | | | | |
| F - Hydrofluorocarbons (HFCs) | 0 | 70,220 | -100 | | | | | |
| Russian Federation - Date Received: 5-Jul-2024 | Non-Article 5 Parties | EEUR | (Population**: | 145,675) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 13.10 | 4,066.10 | -99.68 | 19.09 | 3,996.90 | -99.52 | 0.0001 | |
| Subtotal - Summation excludes Annex F | 13.10 | 4,066.10 | -99.68 | 19.09 | 3,996.90 | -99.52 | 0.0001 | |
| F - Hydrofluorocarbons (HFCs) | -606,682 | 15,352,188 | -100 | 36,046,761 | 48,729,257 | -26.03 | 247.4464 | |
| San Marino - Date Received: 20-May-2025 | Non-Article 5 Parties | WEUR | (Population**: | 34) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.20 | -100 | 0.00 | 0.40 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.20 | -100 | 0.00 | 0.40 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 366 | -100 | 0 | 11,509 | -100.00 | 0.0000 | |
| Slovakia - Date Received: 2-Jul-2024 | Non-Article 5 Parties | EEUR | (Population**: | 5,517) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 29.10 | -100 | | | | | |
| Subtotal - Summation excludes Annex F | 0.00 | 29.10 | -100 | | | | | |
| F - Hydrofluorocarbons (HFCs) | -3,355 | 45,177 | -100 | | | | | |
| Slovenia - Date Received: 27-Sept-2024 | Non-Article 5 Parties | EEUR | (Population**: | 2,118) | | | | |
| Cl - 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 - Date Received: 9-Oct-2024 | Non-Article 5 Parties | WEUR | (Population**: | 47,907) | | | | |
| BIII - Methyl Chloroform (TCA) | 0.8 | 0.0 | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 1,345.60 | -100 | | | | | |
| Subtotal - Summation excludes Annex F | 0.80 | 1,345.60 | -99.94 | | | | | |
| F - Hydrofluorocarbons (HFCs) | 0 | 21,286,874 | -100 | | | | | |
| State of Palestine - Date Received: 15-Oct-2024 | Non-Article 5 Parties | ASIA | (Population**: | 5,368) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | | -100 | 0.00 | | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | | -100 | 0.00 | | -100.00 | 0.0000 | |
| Sweden - Date Received: 23-Sept-2024 | Non-Article 5 Parties | WEUR | (Population**: | 10,522) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 78.60 | -100 | | | | | |
| Subtotal - Summation excludes Annex F | 0.00 | 78.60 | -100 | | | | | |
| F - Hydrofluorocarbons (HFCs) | -3,378 | 252,936 | -100 | | | | | |
| Switzerland - Date Received: 30-Sept-2024 | Non-Article 5 Parties | WEUR | (Population**: | 8,843) | | | | |
| BII - Carbon Tetrachloride (CTC) | 0.0 | 0.0 | -100 | 0.1 | 4.7 | -97.87 | 0.0000 | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 65.30 | -100 | 0.00 | 130.50 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 65.30 | -100 | 0.10 | 135.20 | -99.93 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 112,283 | -100 | 1,260,823 | 2,208,655 | -42.91 | 142.5786 | |
| Tajikistan - Date Received: 28-Oct-2024 | Non-Article 5 Parties | ASIA | (Population**: | 10,288) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 9.40 | -100 | 0.02 | 18.70 | -99.89 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 9.40 | -100 | 0.02 | 18.70 | -99.89 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 27,216 | -100 | 457,613 | 446,600 | 2.47 | 44.4803 | |
| Ukraine - Date Received: 30-Sept-2024 | Non-Article 5 Parties | EEUR | (Population**: | 38,024) | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 82.10 | -100 | 0.00 | 164.20 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 82.10 | -100 | 0.00 | 164.20 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | | -100 | 5,961,701 | | | 156.7878 | |
| United Kingdom of Great Britain and Northern Ireland - Date Received: 3-Feb-2025 | Non-Article 5 Parties | WEUR | (Population**: | 68,443) | | | | |
| Al - Chlorofluorocarbons (CFCs) | -48.5 | 102,014.4 | -100 | -48.5 | 46,218.4 | -100.00 | 0.0000 | |
| All - Halons | -1.8 | 16,500.0 | -100 | -1.8 | 6,706.6 | -100.00 | 0.0000 | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | -3.60 | 2,755.80 | -100 | -3.60 | 1,260.70 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | -53.90 | 121,270.20 | -100 | -53.90 | 54,185.70 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 16,655,157 | -100 | 7,638,952 | 20,631,249 | -62.97 | 111.6104 | |
| United States of America - Date Received: 16-Sept-2024 | Non-Article 5 Parties | WEUR | (Population**: | 342,475) | | | | |
| Al - Chlorofluorocarbons (CFCs) | -234.3 | 311,021.2 | -100 | -234.3 | 305,963.6 | -100.00 | 0.0000 | |
| All - Halons | -0.9 | 58,756.0 | -100 | -0.9 | 57,803.0 | -100.00 | 0.0000 | |
| Bl - Other Fully Halogenated CFCs | -130.2 | 577.0 | -100 | -130.2 | 571.0 | -100.00 | 0.0000 | |
| BII - Carbon Tetrachloride (CTC) | -1,608.9 | 56,036.2 | -100 | -1,609.8 | 11,924.0 | -100.00 | 0.0000 | |
| BIII - Methyl Chloroform (TCA) | -31.1 | 31,517.0 | -100 | -31.1 | 25,597.3 | -100.00 | 0.0000 | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | -15.25 | 15,389.60 | -100 | -18.94 | 15,248.30 | -100.00 | 0.0000 | |
| ClI - Hydrobromofluorocarbons (HBFCs) | -0.1 | | -100 | -0.1 | | -100.00 | 0.0000 | |
| El - Methyl Bromide (MB) | -2.2 | 16,908.0 | -100 | -5.0 | 15,317.4 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | -2,022.95 | 490,205.00 | -100 | -2,030.34 | 432,424.60 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 163,825,617 | 382,005,967 | -57.11 | 252,535,352 | 302,538,289 | -16.53 | 737.3833 | |
| Uzbekistan - Date Received: 3-Oct-2024 | Non-Article 5 Parties | ASIA | (Population**: | 35,294) | | | | |
| Cl - 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 | |

* Production and Consumption numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

- % Chng = Percentage change of the annual figure when compared to the baseline.
- Per Cap. = Per capita consumption.

**Annex Vc - Production and consumption of controlled substances - comparison of 2023 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* | | | |
|---|--------------|---------------|---------------|---------------|---------------|----------------|----------------|
| | 2023 | Base | % Chng | 2023 | Base | % Chng | Per Cap. Cons. |
| Afghanistan - Date Received: 3-Jun-2024 Article 5 Parties ASIA (Population**: 40,865) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 13.69 | 23.60 | -41.99 | 0.0003 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 13.69 | 23.60 | -41.99 | 0.0003 |
| Albania - Date Received: 28-Aug-2024 Article 5 Parties EEUR (Population**: 2,822) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.17 | 6.00 | -63.83 | 0.0008 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.17 | 6.00 | -63.83 | 0.0008 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,904,288 | 883,849 | 115.45 | 674.8009 |
| Algeria - Date Received: 30-Apr-2024 Article 5 Parties AFR (Population**: 45,831) | | | | | | | |
| 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 - Date Received: 21-Oct-2024 Article 5 Parties AFR (Population**: 36,187) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 3.82 | 16.00 | -76.13 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 3.82 | 16.00 | -76.13 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 13,218,297 | 3,878,000 | 240.85 | 365.2775 |
| Antigua and Barbuda - Date Received: 30-Aug-2024 Article 5 Parties LAC (Population**: 93) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | 0.0000 |
| Argentina - Date Received: 30-Aug-2024 Article 5 Parties LAC (Population**: 45,459) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 91.84 | 224.60 | -59.11 | 163.39 | 400.70 | -59.22 | 0.0036 |
| Subtotal - Summation excludes Annex F | 91.84 | 224.60 | -59.11 | 163.39 | 400.70 | -59.22 | 0.0036 |
| F - Hydrofluorocarbons (HFCs) | 0 | 4,803,138 | -100 | 15,743,179 | 19,219,484 | -18.09 | 346.3160 |
| Armenia - Date Received: 1-Sept-2024 Article 5 Parties EEUR (Population**: 2,902) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.32 | 7.00 | -66.86 | 0.0008 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.32 | 7.00 | -66.86 | 0.0008 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 664,716 | 475,254 | 39.87 | 229.0544 |
| Bahamas - Date Received: 31-May-2024 Article 5 Parties LAC (Population**: 399) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.44 | 4.80 | -49.17 | 0.0061 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.44 | 4.80 | -49.17 | 0.0061 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 152,602 | 227,203 | -32.83 | 382.4612 |
| Bahrain - Date Received: 19-Mar-2024 Article 5 Parties ASIA (Population**: 1,552) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 29.60 | 51.90 | -42.97 | 0.0191 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 29.60 | 51.90 | -42.97 | 0.0191 |
| Bangladesh - Date Received: 1-Sept-2024 Article 5 Parties ASIA (Population**: 170,427) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 29.93 | 72.60 | -58.77 | 0.0002 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 29.93 | 72.60 | -58.77 | 0.0002 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 4,586,619 | 5,473,532 | -16.20 | 26.9125 |
| Barbados - Date Received: 29-Jul-2024 Article 5 Parties LAC (Population**: 282) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.47 | 3.70 | -87.30 | 0.0017 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.47 | 3.70 | -87.30 | 0.0017 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 163,309 | 295,419 | -44.72 | 579.1099 |
| Belize - Date Received: 23-Feb-2024 Article 5 Parties LAC (Population**: 408) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.69 | 2.80 | -75.36 | 0.0017 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.69 | 2.80 | -75.36 | 0.0017 |
| F - Hydrofluorocarbons (HFCs)**** | 0 | 0 | -100 | 383,298 | 502,263 | -23.69 | 939.4559 |
| Benin - Date Received: 19-Jun-2024 Article 5 Parties AFR (Population**: 13,934) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 9.67 | 23.80 | -59.37 | 0.0007 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 9.67 | 23.80 | -59.37 | 0.0007 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 901,445 | 1,875,057 | -51.92 | 64.6939 |
| Bhutan - Date Received: 29-May-2025 Article 5 Parties ASIA (Population**: 784) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.02 | 0.30 | -93.33 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.02 | 0.30 | -93.33 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 2,388 | 13,105 | -81.78 | 3.0459 |
| Bolivia (Plurinational State of) - Date Received: 31-Aug-2024 Article 5 Parties LAC (Population**: 12,159) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.55 | 6.10 | -74.59 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.55 | 6.10 | -74.59 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 475,782 | 677,884 | -29.81 | 39.1300 |
| Bosnia and Herzegovina - Date Received: 20-Apr-2024 Article 5 Parties EEUR (Population**: 3,194) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 4.70 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 4.70 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,854,872 | 1,066,653 | 73.90 | 580.7364 |
| Botswana - Date Received: 28-Aug-2024 Article 5 Parties AFR (Population**: 2,460) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 4.79 | 11.00 | -56.45 | 0.0019 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 4.79 | 11.00 | -56.45 | 0.0019 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 185,236 | 389,992 | -52.50 | 75.2992 |

| | | | | | | | |
|--|------------------|-------------------|---------------|-----------------|-------------------|----------------|---------------|
| Brazil - Date Received: 29-Jul-2025 Article 5 Parties LAC (Population**: 210,707) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 491.59 | 1,327.30 | -62.96 | 0.0023 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 491.59 | 1,327.30 | -62.96 | 0.0023 |
| F - Hydrofluorocarbons (HFCs)**** | 0 | 0 | -100 | 34,075,056 | 76,344,535 | -55.37 | 161.7177 |
| Brunei Darussalam - Date Received: 7-Oct-2024 Article 5 Parties ASIA (Population**: 457) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 3.04 | 6.10 | -50.16 | 0.0067 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 3.04 | 6.10 | -50.16 | 0.0067 |
| F - Hydrofluorocarbons (HFCs)**** | 0 | 0 | -100 | 343,383 | | | 751.3851 |
| Burkina Faso - Date Received: 9-Oct-2024 Article 5 Parties AFR (Population**: 22,766) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 4.13 | 28.90 | -85.71 | 0.0002 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 4.13 | 28.90 | -85.71 | 0.0002 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 442,731 | 1,049,523 | -57.82 | 19.4470 |
| Burundi - Date Received: 17-Jul-2024 Article 5 Parties AFR (Population**: 13,504) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.66 | 7.20 | -90.83 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.66 | 7.20 | -90.83 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 58,129 | 207,530 | -71.99 | 4.3046 |
| Cabo Verde - Date Received: 14-May-2024 Article 5 Parties AFR (Population**: 521) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.01 | 1.10 | -99.09 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.01 | 1.10 | -99.09 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 108,860 | 38,791 | 180.63 | 208.9443 |
| Cambodia - Date Received: 2-Sept-2024 Article 5 Parties ASIA (Population**: 17,315) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 6.90 | 15.00 | -54.00 | 0.0004 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 6.90 | 15.00 | -54.00 | 0.0004 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 977,412 | 1,263,376 | -22.63 | 56.4489 |
| Cameroon - Date Received: 9-Apr-2024 Article 5 Parties AFR (Population**: 27,998) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 24.80 | 88.80 | -72.07 | 0.0009 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 24.80 | 88.80 | -72.07 | 0.0009 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 3,579,009 | 4,760,203 | -24.81 | 127.8309 |
| Central African Republic - Date Received: 1-Jul-2024 Article 5 Parties AFR (Population**: 5,065) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 6.05 | 12.00 | -49.58 | 0.0012 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 6.05 | 12.00 | -49.58 | 0.0012 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 3,346,060 | 3,573,612 | -6.37 | 178.2854 |
| Chad - Date Received: 3-Jul-2024 Article 5 Parties AFR (Population**: 18,768) | | | | | | | |
| Cl - 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 | 3,346,060 | 3,573,612 | -6.37 | 178.2854 |
| Chile - Date Received: 14-Aug-2024 Article 5 Parties LAC (Population**: 19,603) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 18.76 | 87.50 | -78.56 | 0.0010 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 18.76 | 87.50 | -78.56 | 0.0010 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 4,943,654 | 6,698,107 | -26.19 | 252.1886 |
| China - Date Received: 15-Oct-2024 Article 5 Parties ASIA (Population**: 1,424,261) | | | | | | | |
| Al - Chlorofluorocarbons (CFCs) | -44.6 | 47,003.9 | -100 | -44.6 | 57,818.7 | -100.00 | 0.0000 |
| Bll - Carbon Tetrachloride (CTC) | 109.4 | 32,479.7 | -99.66 | 109.4 | 49,142.1 | -99.78 | 0.0001 |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 11,726.63 | 29,122.00 | -59.73 | 7,360.70 | 19,269.00 | -61.80 | 0.0052 |
| Subtotal - Summation excludes Annex F | 11,791.43 | 108,605.60 | -89.14 | 7,425.50 | 126,229.80 | -94.12 | 0.0052 |
| F - Hydrofluorocarbons (HFCs) | 1,471,784.754 | 1,852,528.591 | -20.55 | 769,361,542 | 905,144,032 | -15.00 | 540.1830 |
| Colombia - Date Received: 28-Jun-2024 Article 5 Parties LAC (Population**: 52,033) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 19.82 | 225.60 | -91.21 | 0.0004 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 19.82 | 225.60 | -91.21 | 0.0004 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 6,206,292 | 8,652,982 | -28.28 | 119.2761 |
| Comoros - Date Received: 28-Jun-2024 Article 5 Parties AFR (Population**: 842) | | | | | | | |
| Cl - 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 | 20,205 | 34,958 | -42.20 | 23.9964 |
| Congo - Date Received: 13-Mar-2024 Article 5 Parties AFR (Population**: 6,108) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 5.20 | 10.14 | -48.72 | 0.0009 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 5.20 | 10.14 | -48.72 | 0.0009 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 261,413 | 504,649 | -48.20 | 42.7985 |
| Cook Islands - Date Received: 8-Aug-2024 Article 5 Parties ASIA (Population**: 14) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.10 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.10 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 13,152 | 6,461 | 103.56 | 939.4286 |
| Costa Rica - Date Received: 17-May-2024 Article 5 Parties LAC (Population**: 5,093) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | -0.09 | 0.00 | -100 | 3.84 | 14.10 | -72.77 | 0.0008 |
| Subtotal - Summation excludes Annex F | -0.09 | 0.00 | -100 | 3.84 | 14.10 | -72.77 | 0.0008 |
| F - Hydrofluorocarbons (HFCs) | -1.010 | 0 | -100 | 1,803,777 | 1,450,799 | 24.33 | 354.1679 |
| Côte d'Ivoire - Date Received: 7-Aug-2025 Article 5 Parties AFR (Population**: 30,784) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 30.25 | 63.80 | -52.59 | 0.0010 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 30.25 | 63.80 | -52.59 | 0.0010 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 2,748,996 | 21,289,132 | -87.09 | 89.2995 |
| Cuba - Date Received: 22-Apr-2024 Article 5 Parties LAC (Population**: 11,039) | | | | | | | |
| Al - Chlorofluorocarbons (CFCs) | -0.5 | 0.0 | -100 | | 625.1 | -100.00 | 0.0000 |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.55 | 16.90 | -96.75 | 0.0000 |
| Subtotal - Summation excludes Annex F | -0.50 | 0.00 | -100 | 0.05 | 642.00 | -99.99 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,368,669 | 1,030,662 | 32.80 | 123.9849 |
| Democratic People's Republic of Korea - Date Received: 2-Jun-2025 Article 5 Parties ASIA (Population**: 26,376) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 24.77 | 27.60 | -10.25 | 57.76 | 78.00 | -25.95 | 0.0022 |
| Subtotal - Summation excludes Annex F | 24.77 | 27.60 | -10.25 | 57.76 | 78.00 | -25.95 | 0.0022 |
| F - Hydrofluorocarbons (HFCs) | 593,450 | 1,102,320 | -46.16 | 593,450 | 1,906,435 | -68.87 | 22.4996 |
| Democratic Republic of the Congo - Date Received: 22-May-2024 Article 5 Parties AFR (Population**: 104,063) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.88 | 66.21 | -98.67 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.88 | 66.21 | -98.67 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 255,638 | 220,941 | 15.70 | 223.2646 |
| Djibouti - Date Received: 16-Jun-2025 Article 5 Parties AFR (Population**: 1,145) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.25 | 0.70 | -64.29 | 0.0002 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.25 | 0.70 | -64.29 | 0.0002 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 255,638 | 220,941 | 15.70 | 223.2646 |
| Dominica - Date Received: 3-Oct-2024 Article 5 Parties LAC (Population**: 67) | | | | | | | |
| Cl - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.01 | 0.40 | -97.50 | 0.0001 |

| | | | | | | | |
|--|-----------------|-----------------|---------------|---------------|-----------------|---------------|---------------|
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.01 | 0.40 | -97.50 | 0.0001 |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 13,370 | | | 199,5522 |
| Dominican Republic - Date Received: 2-Apr-2024 Article 5 Parties LAC (Population**: 11,283) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 24.35 | 51.20 | -52.44 | 0.0022 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 24.35 | 51.20 | -52.44 | 0.0022 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 3,343,222 | 3,834,089 | -12.80 | 296,3061 |
| Ecuador - Date Received: 27-Dec-2024 Article 5 Parties LAC (Population**: 17,902) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -0.2 | 0.0 | -100 | -0.2 | 301.4 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 9.04 | 23.49 | -61.52 | 0.0005 |
| Subtotal - Summation excludes Annex F | -0.20 | 0.00 | -100 | 8.84 | 324.89 | -97.28 | 0.0005 |
| F - Hydrofluorocarbons (HFCs) | -412 | 0 | -100 | 3,161,086 | 3,179,294 | -0.57 | 176,5773 |
| Egypt - Date Received: 28-Oct-2024 Article 5 Parties AFR (Population**: 113,493) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 236.65 | 386.30 | -38.74 | 0.0021 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 236.65 | 386.30 | -38.74 | 0.0021 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 14,890,881 | 19,290,350 | -22.81 | 131,2053 |
| El Salvador - Date Received: 7-May-2024 Article 5 Parties LAC (Population**: 6,295) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 4.66 | 11.70 | -60.17 | 0.0007 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 4.66 | 11.70 | -60.17 | 0.0007 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,122,854 | 922,362 | 21.74 | 178,3724 |
| Equatorial Guinea - Date Received: 17-Jul-2024 Article 5 Parties AFR (Population**: 1,825) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.09 | 6.31 | -82.73 | 0.0006 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.09 | 6.31 | -82.73 | 0.0006 |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 88,978 | 271,411 | -67.22 | 48,7551 |
| Eritrea - Date Received: 14-Oct-2024 Article 5 Parties AFR (Population**: 3,439) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.52 | 1.09 | -52.29 | 0.0002 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.52 | 1.09 | -52.29 | 0.0002 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 157,236 | 169,249 | -7.10 | 45,7214 |
| Eswatini - Date Received: 24-Oct-2024 Article 5 Parties AFR (Population**: 1,225) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.42 | 1.73 | -75.72 | 0.0003 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.42 | 1.73 | -75.72 | 0.0003 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 106,607 | 105,500 | 1.05 | 87,0261 |
| Ethiopia - Date Received: 14-Oct-2024 Article 5 Parties AFR (Population**: 127,028) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 3.37 | 5.50 | -38.73 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 3.37 | 5.50 | -38.73 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 104,008 | 347,035 | -70.03 | 0,8188 |
| Fiji - Date Received: 3-Oct-2024 Article 5 Parties ASIA (Population**: 922) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.03 | 5.73 | -64.57 | 0.0022 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.03 | 5.73 | -64.57 | 0.0022 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 329,493 | 443,528 | -25.71 | 357,3677 |
| Gabon - Date Received: 8-May-2024 Article 5 Parties AFR (Population**: 2,458) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 7.26 | 30.20 | -75.96 | 0.0030 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 7.26 | 30.20 | -75.96 | 0.0030 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 763,753 | 2,182,210 | -65.00 | 310,7213 |
| Gambia - Date Received: 23-Apr-2024 Article 5 Parties AFR (Population**: 2,667) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.18 | 1.50 | -88.00 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.18 | 1.50 | -88.00 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 260,165 | 271,515 | -4.18 | 97,5497 |
| Georgia - Date Received: 30-Jan-2025 Article 5 Parties EEUR (Population**: 3,807) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.86 | 5.30 | -83.77 | 0.0002 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.86 | 5.30 | -83.77 | 0.0002 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 846,456 | 813,152 | 4.10 | 222,3420 |
| Ghana - Date Received: 2-Sept-2024 Article 5 Parties AFR (Population**: 33,467) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 14.81 | 57.30 | -74.15 | 0.0004 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 14.81 | 57.30 | -74.15 | 0.0004 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 715,052 | 1,805,702 | -60.40 | 21,3659 |
| Grenada - Date Received: 24-Oct-2024 Article 5 Parties LAC (Population**: 117) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.09 | 0.80 | -88.75 | 0.0008 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.09 | 0.80 | -88.75 | 0.0008 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 66,612 | 52,815 | 26.12 | 569,3333 |
| Guatemala - Date Received: 19-Sept-2024 Article 5 Parties LAC (Population**: 17,984) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.01 | 8.30 | -75.78 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.01 | 8.30 | -75.78 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,038,394 | 1,217,998 | -14.75 | 57,7399 |
| Guinea - Date Received: 30-Dec-2024 Article 5 Parties AFR (Population**: 14,229) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.10 | 22.60 | -95.13 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.10 | 22.60 | -95.13 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,704,662 | 1,826,976 | -6.69 | 119,8020 |
| Guinea Bissau - Date Received: 29-Apr-2024 Article 5 Parties AFR (Population**: 2,129) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.66 | 2.83 | -76.68 | 0.0003 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.66 | 2.83 | -76.68 | 0.0003 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 589,847 | 722,391 | -18.35 | 277,0535 |
| Guyana - Date Received: 15-Aug-2024 Article 5 Parties LAC (Population**: 824) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.34 | 1.80 | -81.11 | 0.0004 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.34 | 1.80 | -81.11 | 0.0004 |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 240,283 | 146,169 | 64.39 | 291,6056 |
| Haiti - Date Received: 28-Mar-2025 Article 5 Parties LAC (Population**: 11,570) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.74 | 3.63 | -79.61 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.74 | 3.63 | -79.61 | 0.0001 |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 83,633 | 149,322 | -43.99 | 7,2284 |
| Honduras - Date Received: 21-May-2024 Article 5 Parties LAC (Population**: 10,554) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 6.16 | 19.90 | -69.05 | 0.0006 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 6.16 | 19.90 | -69.05 | 0.0006 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,850,102 | 1,449,723 | 27.62 | 175,2987 |
| India - Date Received: 27-Sept-2024 Article 5 Parties ASIA (Population**: 1,431,703) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 1,218.33 | 2,399.50 | -49.23 | 322.44 | 1,608.20 | -79.95 | 0.0002 |
| Subtotal - Summation excludes Annex F | 1,218.33 | 2,399.50 | -49.23 | 322.44 | 1,608.20 | -79.95 | 0.0002 |
| F - Hydrofluorocarbons (HFCs) | 62,993,108 | | | 51,165,562 | | | 35,7376 |

| | | | | | | | | |
|--|---------------|---------------|---------------|---------------|-----------------|----------------|---------------|--|
| Indonesia - Date Received: 2-May-2024 Article 5 Parties ASIA (Population**: 280,026) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 149.42 | 403.90 | -63.01 | 0.0005 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 149.42 | 403.90 | -63.01 | 0.0005 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,535,575 | 23,370,721 | -93.43 | 5.4837 | |
| Iran (Islamic Republic of) - Date Received: 30-Jun-2024 Article 5 Parties ASIA (Population**: 90,103) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 93.66 | 380.50 | -75.39 | 0.0010 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 93.66 | 380.50 | -75.39 | 0.0010 | |
| Iraq - Date Received: 26-Mar-2024 Article 5 Parties ASIA (Population**: 44,590) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 66.39 | 108.40 | -38.75 | 0.0015 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 66.39 | 108.40 | -38.75 | 0.0015 | |
| Jamaica - Date Received: 21-Feb-2024 Article 5 Parties LAC (Population**: 2,840) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.40 | 16.30 | -91.41 | 0.0005 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.40 | 16.30 | -91.41 | 0.0005 | |
| Jordan - Date Received: 10-Jul-2024 Article 5 Parties ASIA (Population**: 11,347) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 15.73 | 83.00 | -81.05 | 0.0014 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 15.73 | 83.00 | -81.05 | 0.0014 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,671,435 | 2,808,101 | -40.48 | 147.3019 | |
| Kenya - Date Received: 30-Aug-2024 Article 5 Parties AFR (Population**: 54,794) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 5.52 | 52.20 | -89.43 | 0.0001 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 5.52 | 52.20 | -89.43 | 0.0001 | |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 283,816 | 1,543,824 | -81.62 | 5.1797 | |
| Kiribati - Date Received: 13-Aug-2024 Article 5 Parties ASIA (Population**: 132) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.01 | 0.10 | -90.00 | 0.0001 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.01 | 0.10 | -90.00 | 0.0001 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 5,641 | 8,176 | -31.01 | 42.7348 | |
| Kuwait - Date Received: 4-Aug-2024 Article 5 Parties ASIA (Population**: 4,793) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 147.03 | 418.60 | -64.88 | 0.0307 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 147.03 | 418.60 | -64.88 | 0.0307 | |
| Kyrgyzstan - Date Received: 23-Jul-2024 Article 5 Parties ASIA (Population**: 7,016) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 4.10 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 4.10 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 314,555 | 450,382 | -30.16 | 44.8340 | |
| Lao People's Democratic Republic - Date Received: 26-Sept-2024 Article 5 Parties ASIA (Population**: 7,612) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.46 | 2.30 | -36.52 | 0.0002 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.46 | 2.30 | -36.52 | 0.0002 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 283,415 | 324,226 | -12.59 | 37.2327 | |
| Lebanon - Date Received: 27-Jun-2024 Article 5 Parties ASIA (Population**: 5,761) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 24.63 | 73.50 | -66.49 | 0.0043 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 24.63 | 73.50 | -66.49 | 0.0043 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,518,706 | 2,556,533 | -40.60 | 263.6185 | |
| Lesotho - Date Received: 10-Jun-2024 Article 5 Parties AFR (Population**: 2,298) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.39 | 3.50 | -88.86 | 0.0002 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.39 | 3.50 | -88.86 | 0.0002 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 27,069 | 103,221 | -73.78 | 11.7794 | |
| Liberia - Date Received: 10-Mar-2025 Article 5 Parties AFR (Population**: 5,433) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.25 | 5.30 | -76.42 | 0.0002 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.25 | 5.30 | -76.42 | 0.0002 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 112,645 | 180,909 | -37.73 | 20.7335 | |
| Libya - Date Received: 20-May-2024 Article 5 Parties AFR (Population**: 7,269) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 61.75 | 118.38 | -47.84 | 0.0085 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 61.75 | 118.38 | -47.84 | 0.0085 | |
| Madagascar - Date Received: 12-Jul-2024 Article 5 Parties AFR (Population**: 30,813) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 9.08 | 16.60 | -45.30 | 0.0003 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 9.08 | 16.60 | -45.30 | 0.0003 | |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 1,641,815 | 1,719,334 | -4.51 | 53.2832 | |
| Malawi - Date Received: 8-Mar-2024 Article 5 Parties AFR (Population**: 20,833) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.88 | 10.80 | -82.59 | 0.0001 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.88 | 10.80 | -82.59 | 0.0001 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 193,561 | 428,435 | -54.82 | 9.2911 | |
| Malaysia - Date Received: 19-Sept-2024 Article 5 Parties ASIA (Population**: 34,908) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | -0.08 | 0.00 | -100 | 153.54 | 515.80 | -70.23 | 0.0044 | |
| Subtotal - Summation excludes Annex F | -0.08 | 0.00 | -100 | 153.54 | 515.80 | -70.23 | 0.0044 | |
| F - Hydrofluorocarbons (HFCs) | -10,071 | 0 | -100 | 5,043,404 | 26,703,717 | -81.11 | 144.4770 | |
| Maldives - Date Received: 4-Jun-2025 Article 5 Parties ASIA (Population**: 525) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 4.60 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 4.60 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 416,644 | 434,219 | -4.05 | 793.6076 | |
| Mali - Date Received: 8-Jul-2025 Article 5 Parties AFR (Population**: 23,416) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 4.95 | 15.00 | -67.00 | 0.0002 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 4.95 | 15.00 | -67.00 | 0.0002 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,692,873 | 399,935 | 323.29 | 72.2956 | |
| Marshall Islands - Date Received: 9-Aug-2024 Article 5 Parties ASIA (Population**: 39) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 31,619 | 10,824 | 192.12 | 810.7436 | |
| Mauritania - Date Received: 23-Aug-2024 Article 5 Parties AFR (Population**: 4,948) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 8.67 | 20.50 | -57.71 | 0.0018 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 8.67 | 20.50 | -57.71 | 0.0018 | |
| Mauritius - Date Received: 25-Jul-2024 Article 5 Parties AFR (Population**: 1,275) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.17 | 8.00 | -85.38 | 0.0009 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.17 | 8.00 | -85.38 | 0.0009 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 530,740 | 665,957 | -20.30 | 416.2667 | |
| Mexico - Date Received: 1-May-2024 Article 5 Parties LAC (Population**: 129,171) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 147.22 | 697.00 | -78.88 | 168.23 | 1,148.80 | -85.36 | 0.0013 | |
| Subtotal - Summation excludes Annex F | 147.22 | 697.00 | -78.88 | 168.23 | 1,148.80 | -85.36 | 0.0013 | |
| F - Hydrofluorocarbons (HFCs) | -967,087 | 14,908,490 | -100 | 50,254,745 | 76,982,664 | -34.72 | 389.0559 | |

| | | | | | | | | |
|--|-------------|-------------|-------------|---------------|---------------|----------------|---------------|--|
| Micronesia (Federated States of) - Date Received: 9-Aug-2024 Article 5 Parties ASIA (Population**: 112) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 17,412 | 13,600 | 28.03 | 155.4643 | |
| Mongolia - Date Received: 3-Oct-2024 Article 5 Parties ASIA (Population**: 3,410) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.07 | 1.40 | -95.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.07 | 1.40 | -95.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 27,778 | 57,309 | -51.53 | 8.1460 | |
| Montenegro - Date Received: 5-Apr-2024 Article 5 Parties EEUR (Population**: 628) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.03 | 0.80 | -96.25 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.03 | 0.80 | -96.25 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 191,587 | 155,854 | 22.93 | 305.0748 | |
| Morocco - Date Received: 19-Dec-2024 Article 5 Parties AFR (Population**: 37,524) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 17.30 | 51.35 | -66.31 | 0.0005 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 17.30 | 51.35 | -66.31 | 0.0005 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 6,270,836 | 2,134,520 | 193.78 | 167.1153 | |
| Mozambique - Date Received: 10-Apr-2024 Article 5 Parties AFR (Population**: 33,141) | | | | | | | | |
| 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 | 1,156,651 | 655,255 | 76.52 | 34.9009 | |
| Myanmar - Date Received: 4-Oct-2024 Article 5 Parties ASIA (Population**: 53,947) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.16 | 4.30 | -49.77 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.16 | 4.30 | -49.77 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 863,290 | | | 16.0026 | |
| Namibia - Date Received: 23-Oct-2024 Article 5 Parties AFR (Population**: 2,928) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.26 | 8.40 | -96.90 | 0.0001 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.26 | 8.40 | -96.90 | 0.0001 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 730,358 | 774,924 | -5.75 | 249.4392 | |
| Nauru - Date Received: 9-Aug-2024 Article 5 Parties ASIA (Population**: 12) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.00 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.00 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 2,525 | 1,204 | 109.72 | 210.4167 | |
| Nepal - Date Received: 26-Apr-2024 Article 5 Parties ASIA (Population**: 29,715) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.35 | 1.10 | -68.18 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.35 | 1.10 | -68.18 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 432,186 | 582,295 | -25.78 | 63.7725 | |
| Nicaragua - Date Received: 23-Oct-2024 Article 5 Parties LAC (Population**: 6,777) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.56 | 6.80 | -77.06 | 0.0002 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.56 | 6.80 | -77.06 | 0.0002 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 432,186 | 582,295 | -25.78 | 63.7725 | |
| Niger - Date Received: 10-May-2024 Article 5 Parties AFR (Population**: 25,727) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 5.60 | 15.98 | -64.96 | 0.0002 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 5.60 | 15.98 | -64.96 | 0.0002 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 608,920 | 1,222,358 | -50.18 | 23.6685 | |
| Nigeria - Date Received: 17-Feb-2025 Article 5 Parties AFR (Population**: 225,495) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 103.66 | 344.88 | -69.94 | 0.0005 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 103.66 | 344.88 | -69.94 | 0.0005 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 22,809,651 | 15,187,779 | 50.18 | 101.1537 | |
| Niue - Date Received: 21-Aug-2024 Article 5 Parties ASIA (Population**: 2) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.00 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.00 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 0 | 201 | -100.00 | 0.0000 | |
| North Macedonia - Date Received: 29-Aug-2024 Article 5 Parties EEUR (Population**: 1,836) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 1.80 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 1.80 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 275,505 | 397,843 | -30.75 | 150.0572 | |
| Oman - Date Received: 17-Apr-2024 Article 5 Parties ASIA (Population**: 4,933) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 11.72 | 31.50 | -62.79 | 0.0024 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 11.72 | 31.50 | -62.79 | 0.0024 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 2,300,559 | | | 466.3610 | |
| Pakistan - Date Received: 7-May-2024 Article 5 Parties ASIA (Population**: 245,673) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 118.94 | 248.11 | -52.06 | 0.0005 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 118.94 | 248.11 | -52.06 | 0.0005 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 6,360 | 10,368 | -38.66 | 353.3333 | |
| Palau - Date Received: 8-Aug-2024 Article 5 Parties ASIA (Population**: 18) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.20 | -100.00 | 0.0000 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 6,360 | 10,368 | -38.66 | 353.3333 | |
| Panama - Date Received: 9-May-2024 Article 5 Parties LAC (Population**: 4,430) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 8.85 | 24.80 | -64.31 | 0.0020 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 8.85 | 24.80 | -64.31 | 0.0020 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 2,733,914 | 2,543,386 | 7.49 | 617.1363 | |
| Papua New Guinea - Date Received: 11-Oct-2024 Article 5 Parties ASIA (Population**: 10,296) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.73 | 3.30 | -77.88 | 0.0001 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.73 | 3.30 | -77.88 | 0.0001 | |
| F - Hydrofluorocarbons (HFCs)**** | 0 | 0 | -100 | 365,343 | | | 35.4840 | |
| Paraguay - Date Received: 8-Apr-2024 Article 5 Parties LAC (Population**: 6,802) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 10.58 | 18.00 | -41.22 | 0.0016 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 10.58 | 18.00 | -41.22 | 0.0016 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,546,758 | 1,684,582 | -8.18 | 227.3975 | |
| Peru - Date Received: 30-Apr-2024 Article 5 Parties LAC (Population**: 33,656) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 14.84 | 26.88 | -44.79 | 0.0004 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 14.84 | 26.88 | -44.79 | 0.0004 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 3,075,377 | 2,735,721 | 12.42 | 91.3768 | |
| Philippines - Date Received: 10-Jun-2024 Article 5 Parties ASIA (Population**: 114,411) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 64.47 | 161.98 | -60.20 | 0.0006 | |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 64.47 | 161.98 | -60.20 | 0.0006 | |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 8,073,416 | 11,903,687 | -32.18 | 70.5650 | |

| | | | | | | | | |
|--|---------------|---------------|---------------|---------------|-----------------|----------------|--|---------------|
| Qatar - Date Received: 22-Jul-2024 Article 5 Parties ASIA (Population**: 2,946) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 56.47 | 86.90 | -35.02 | | 0.0192 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 56.47 | 86.90 | -35.02 | | 0.0192 |
| Republic of Korea - Date Received: 19-Sept-2024 Article 5 Parties ASIA (Population**: 51,759) | | | | | | | | |
| BI - Carbon Tetrachloride (C ₂ Cl ₄) | 0.0 | 584.8 | -100 | 0.2 | 638.0 | -99.97 | | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 167.18 | 395.10 | -57.69 | 778.06 | 1,908.00 | -59.22 | | 0.0150 |
| Subtotal - Summation excludes Annex F | 167.18 | 979.90 | -82.94 | 778.26 | 2,546.00 | -69.43 | | 0.0150 |
| F - Hydrofluorocarbons (HFCs) | 2,769,080 | 11,991,777 | -76.91 | 64,890,681 | 89,248,915 | -27.29 | | 1,253.7082 |
| Republic of Moldova - Date Received: 30-Jan-2025 Article 5 Parties EEUR (Population**: 3,081) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.32 | 1.00 | -68.00 | | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.32 | 1.00 | -68.00 | | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 452,288 | 521,391 | -13.25 | | 146.7991 |
| Rwanda - Date Received: 28-Jun-2024 Article 5 Parties AFR (Population**: 13,803) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 1.21 | 4.10 | -70.49 | | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 1.21 | 4.10 | -70.49 | | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 222,119 | 338,197 | -34.32 | | 16.0921 |
| Saint Kitts and Nevis - Date Received: 23-Oct-2024 Article 5 Parties LAC (Population**: 47) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.50 | -100.00 | | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.50 | -100.00 | | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 801 | | | | 17.0426 |
| Saint Lucia - Date Received: 8-Jul-2024 Article 5 Parties LAC (Population**: 179) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.09 | 1.09 | -91.74 | | 0.0005 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.09 | 1.09 | -91.74 | | 0.0005 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 95,871 | 83,735 | 14.49 | | 535.5922 |
| Saint Vincent and the Grenadines - Date Received: 10-Jul-2024 Article 5 Parties LAC (Population**: 102) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | | 0.0000 |
| F - Hydrofluorocarbons (HFCs)**** | 0 | 0 | -100 | 16,970 | 25,280 | -32.87 | | 166.3725 |
| Samoa - Date Received: 8-Aug-2024 Article 5 Parties ASIA (Population**: 216) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.03 | 0.30 | -90.00 | | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.03 | 0.30 | -90.00 | | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 14,555 | 20,557 | -29.20 | | 67.3843 |
| Sao Tome and Principe - Date Received: 26-May-2024 Article 5 Parties AFR (Population**: 229) | | | | | | | | |
| 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 | 28,976 | 71,039 | -59.21 | | 126.5328 |
| Saudi Arabia - Date Received: 25-Jul-2024 Article 5 Parties ASIA (Population**: 32,867) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 697.60 | 1,468.70 | -52.50 | | 0.0212 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 697.60 | 1,468.70 | -52.50 | | 0.0212 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 16,970 | 25,280 | -32.87 | | 166.3725 |
| Senegal - Date Received: 15-Aug-2024 Article 5 Parties AFR (Population**: 17,867) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 10.18 | 36.20 | -71.88 | | 0.0006 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 10.18 | 36.20 | -71.88 | | 0.0006 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 2,261,398 | 2,786,915 | -18.86 | | 126.5684 |
| Serbia - Date Received: 24-Sept-2024 Article 5 Parties EEUR (Population**: 6,788) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 3.83 | 8.40 | -54.40 | | 0.0006 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 3.83 | 8.40 | -54.40 | | 0.0006 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 8,446,488 | 3,261,874 | 158.95 | | 1,244.3265 |
| Seychelles - Date Received: 23-Feb-2024 Article 5 Parties AFR (Population**: 127) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 1.40 | -100.00 | | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 1.40 | -100.00 | | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 223,975 | 249,400 | -10.19 | | 1,763.5827 |
| Sierra Leone - Date Received: 10-May-2024 Article 5 Parties AFR (Population**: 8,368) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.56 | 1.70 | -67.06 | | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.56 | 1.70 | -67.06 | | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 298,480 | 350,905 | -14.94 | | 35.6692 |
| Singapore - Date Received: 25-Sept-2024 Article 5 Parties ASIA (Population**: 5,766) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 19.53 | 216.10 | -90.96 | | 0.0034 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 19.53 | 216.10 | -90.96 | | 0.0034 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 5,770,315 | 10,583,428 | -45.48 | | 1,000.7484 |
| Solomon Islands - Date Received: 14-Nov-2024 Article 5 Parties ASIA (Population**: 790) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.07 | 2.00 | -96.50 | | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.07 | 2.00 | -96.50 | | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 36,147 | 69,516 | -48.00 | | 45.7557 |
| Somalia - Date Received: 8-Jul-2025 Article 5 Parties AFR (Population**: 18,031) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 10.54 | 45.10 | -76.63 | | 0.0006 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 10.54 | 45.10 | -76.63 | | 0.0006 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,058,139 | 1,276,672 | -17.12 | | 58.6844 |
| South Africa - Date Received: 25-Oct-2024 Article 5 Parties AFR (Population**: 62,797) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 74.51 | 369.70 | -79.85 | | 0.0012 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 74.51 | 369.70 | -79.85 | | 0.0012 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 8,748,739 | 13,843,139 | -36.80 | | 139.3178 |
| South Sudan - Date Received: 8-Apr-2024 Article 5 Parties AFR (Population**: 11,147) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.94 | 4.10 | -77.07 | | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.94 | 4.10 | -77.07 | | 0.0001 |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 52,267 | 221,410 | -76.39 | | 4.6889 |
| Sri Lanka - Date Received: 10-Oct-2024 Article 5 Parties ASIA (Population**: 22,905) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 8.58 | 13.90 | -38.27 | | 0.0004 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 8.58 | 13.90 | -38.27 | | 0.0004 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,156,405 | 1,170,234 | -1.18 | | 50.4870 |
| Sudan - Date Received: 18-Oct-2024 Article 5 Parties AFR (Population**: 50,037) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 3.33 | 52.70 | -93.68 | | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 3.33 | 52.70 | -93.68 | | 0.0001 |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 199,440 | 1,743,144 | -88.56 | | 3.9859 |
| Suriname - Date Received: 25-Oct-2024 Article 5 Parties LAC (Population**: 626) | | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 2.00 | -100.00 | | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 2.00 | -100.00 | | 0.0000 |
| F - Hydrofluorocarbons (HFCs)*** | 0 | 0 | -100 | 24,230 | 272,996 | -91.12 | | 38.7061 |

| | | | | | | | |
|--|-------------|---------------|-------------|---------------|---------------|----------------|---------------|
| Syrian Arab Republic - Date Received: 20-Sept-2024 Article 5 Parties ASIA (Population**: 23,015) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 51.13 | 135.00 | -62.13 | 0.0022 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 51.13 | 135.00 | -62.13 | 0.0022 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 12,671,604 | 18,150,706 | -30.19 | 550.5802 |
| Thailand - Date Received: 18-Feb-2025 Article 5 Parties ASIA (Population**: 71,716) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 292.73 | 927.60 | -68.44 | 0.0041 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 292.73 | 927.60 | -68.44 | 0.0041 |
| Timor-Leste - Date Received: 7-Oct-2024 Article 5 Parties ASIA (Population**: 1,377) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.06 | 0.50 | -88.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.06 | 0.50 | -88.00 | 0.0000 |
| Togo - Date Received: 28-Jun-2024 Article 5 Parties AFR (Population**: 9,196) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 5.67 | 20.00 | -71.65 | 0.0006 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 5.67 | 20.00 | -71.65 | 0.0006 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 736,797 | 1,124,896 | -34.50 | 80.1215 |
| Tonga - Date Received: 9-Aug-2024 Article 5 Parties ASIA (Population**: 105) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.10 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.10 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 7.415 | 7.676 | -3.40 | 70.6190 |
| Trinidad and Tobago - Date Received: 25-Jun-2024 Article 5 Parties LAC (Population**: 1,500) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 10.11 | 46.00 | -78.02 | 0.0067 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 10.11 | 46.00 | -78.02 | 0.0067 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 4,967,441 | 5,681,787 | -12.57 | 3,311.6273 |
| Tunisia - Date Received: 18-Oct-2024 Article 5 Parties AFR (Population**: 12,161) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 17.88 | 40.70 | -56.07 | 0.0015 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 17.88 | 40.70 | -56.07 | 0.0015 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 2,140,607 | 2,367,840 | -9.60 | 176.0223 |
| Türkiye - Date Received: 8-May-2024 Article 5 Parties WEUR (Population**: 87,169) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.34 | 551.47 | -99.58 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.34 | 551.47 | -99.58 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | -7.091 | 0 | -100 | 20,337,396 | 37,117,410 | -45.21 | 233.3100 |
| Turkmenistan - Date Received: 23-Aug-2024 Article 5 Parties ASIA (Population**: 7,298) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 4.26 | 6.80 | -37.35 | 0.0006 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 4.26 | 6.80 | -37.35 | 0.0006 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 572,109 | 597,121 | -4.19 | 78.3926 |
| Tuvalu - Date Received: 9-Aug-2024 Article 5 Parties ASIA (Population**: 10) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.10 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.10 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 1,816 | 2,206 | -17.68 | 181.6000 |
| Uganda - Date Received: 7-Oct-2024 Article 5 Parties AFR (Population**: 47,981) | | | | | | | |
| 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 | 15,600 | 39,432 | -60.44 | 0.3251 |
| United Arab Emirates - Date Received: 3-Jul-2024 Article 5 Parties ASIA (Population**: 10,445) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 358.95 | 557.10 | -35.57 | 0.0344 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 358.95 | 557.10 | -35.57 | 0.0344 |
| United Republic of Tanzania - Date Received: 15-Oct-2024 Article 5 Parties AFR (Population**: 65,657) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.72 | 1.70 | -57.65 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.72 | 1.70 | -57.65 | 0.0000 |
| F - Hydrofluorocarbons (HFCs)**** | 0 | 0 | -100 | 223,266 | 218,611 | 2.13 | 3.4005 |
| Uruguay - Date Received: 28-Aug-2024 Article 5 Parties LAC (Population**: 3,389) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 8.10 | 23.40 | -65.38 | 0.0024 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 8.10 | 23.40 | -65.38 | 0.0024 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 696,550 | 1,012,431 | -31.20 | 205.5326 |
| Vanuatu - Date Received: 9-Aug-2024 Article 5 Parties ASIA (Population**: 317) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 0.00 | 0.30 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 21,568 | 20,482 | 5.30 | 68.0379 |
| Venezuela (Bolivarian Republic of) - Date Received: 2-Aug-2024 Article 5 Parties LAC (Population**: 28,251) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 123.10 | -100 | 58.57 | 207.00 | -71.71 | 0.0021 |
| Subtotal - Summation excludes Annex F | 0.00 | 123.10 | -100 | 58.57 | 207.00 | -71.71 | 0.0021 |
| F - Hydrofluorocarbons (HFCs) | 0 | 2,631,742 | -100 | 1,449,844 | 5,157,619 | -71.89 | 51.3201 |
| Viet Nam - Date Received: 6-Mar-2025 Article 5 Parties ASIA (Population**: 100,029) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 137.46 | 221.20 | -37.86 | 0.0014 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 137.46 | 221.20 | -37.86 | 0.0014 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 13,830,601 | 13,991,360 | -1.15 | 138.2659 |
| Yemen - Date Received: 26-Jun-2024 Article 5 Parties ASIA (Population**: 38,794) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 80.50 | 158.20 | -49.12 | 0.0021 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 80.50 | 158.20 | -49.12 | 0.0021 |
| Zambia - Date Received: 28-Mar-2024 Article 5 Parties AFR (Population**: 20,430) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 2.07 | 5.00 | -58.60 | 0.0001 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 2.07 | 5.00 | -58.60 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 823,415 | 699,513 | 17.71 | 40.3042 |
| Zimbabwe - Date Received: 5-Jun-2024 Article 5 Parties AFR (Population**: 16,203) | | | | | | | |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 3.61 | 17.80 | -79.72 | 0.0002 |
| Subtotal - Summation excludes Annex F | 0.00 | 0.00 | -100 | 3.61 | 17.80 | -79.72 | 0.0002 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 842,264 | 1,210,624 | -30.43 | 51.9820 |

* Production and Consumption numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

*** The party has not ratified the Kigali Amendment and is not obligated to submit Article 7 data for HFCs.

**** Submitted before the party ratified the Kigali Amendment.

• % Chng = Percentage change of the annual figure when compared to the baseline.

• Per Cap. = Per capita consumption.

**Annex VIa - 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 (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. |
| Africa - 36 (Population**: 1,060,221) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | 0.0 | 542.3 | -100 | 0.0 | 9,994.7 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 0.0 | -100 | 0.0 | 1,722.9 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 0.0 | 0.0 | -100 | 0.0 | 198.8 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 0.0 | -100 | 0.0 | 67.9 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 586.26 | 1,814.95 | -67.70 | 0.0006 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 0.0 | -100 | 0.0 | 1,881.6 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 542.30 | -100 | 586.26 | 15,680.85 | -96.26 | 0.0006 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 83,980,983 | 105,031,211 | -20.04 | 79.2108 |
| Asia-Pacific - 25 (Population**: 860,808) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | 0.0 | 120,401.1 | -100 | 0.0 | 134,913.1 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 28,419.0 | -100 | 0.0 | 20,951.5 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 2,342.0 | -100 | 0.0 | 2,334.6 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 6.9 | 20,887.2 | -99.97 | 6.9 | 77,012.2 | -99.99 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 15,644.1 | -100 | 0.0 | 17,348.8 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 21.61 | 5,677.30 | -99.62 | 1,372.16 | 8,909.69 | -84.60 | 0.0016 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 3,406.1 | -100 | 34.0 | 4,396.6 | -99.23 | 0.0000 |
| Subtotal - Summation excludes Annex F | 28.51 | 196,776.80 | -99.99 | 1,413.06 | 264,966.49 | -99.47 | 0.0016 |
| F - Hydrofluorocarbons (HFCs) | 16,550,549 | 51,140,919 | -67.64 | 40,300,492 | 94,692,128 | -57.44 | 46.8171 |
| Eastern Europe - 11 (Population**: 230,303) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -9.4 | 107,273.6 | -100 | 0.0 | 101,457.2 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 27,800.0 | -100 | 0.0 | 32,113.4 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 300.0 | -100 | 0.0 | 300.5 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | -0.2 | 112,535.5 | -100 | 0.0 | 103,291.2 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 330.0 | -100 | 0.0 | 330.1 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 2.98 | 4,501.80 | -99.93 | 5.77 | 4,014.40 | -99.86 | 0.0000 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | -0.1 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 0.0 | -100 | 0.0 | 15.0 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | -6.72 | 252,740.90 | -100 | 5.77 | 241,521.80 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | -6,293,797 | 16,012,471 | -100 | 27,752,316 | 49,282,954 | -43.69 | 120.5035 |
| Latin America and the Caribbean - 23 (Population**: 598,507) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | 0.0 | 28,756.7 | -100 | 0.0 | 28,478.6 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 0.0 | -100 | 0.0 | 556.0 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 0.0 | -100 | 0.0 | 35.1 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 0.0 | 11,629.6 | -100 | 0.0 | 1,821.6 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 32.4 | -100 | 0.0 | 165.7 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 276.28 | 1,044.70 | -73.55 | 942.17 | 3,544.61 | -73.42 | 0.0016 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 0.0 | -100 | 0.0 | 3,284.7 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 276.28 | 41,463.40 | -99.33 | 942.17 | 37,886.31 | -97.51 | 0.0016 |
| F - Hydrofluorocarbons (HFCs) | -1,430 | 22,343,370 | -100 | 123,708,541 | 207,293,916 | -40.32 | 206.6952 |
| Western Europe and Others - 17 (Population**: 915,373) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -253.2 | 285,817.2 | -100 | -295.7 | 348,768.8 | -100.00 | 0.0000 |
| AII - Halons | -153.4 | 54,693.0 | -100 | -399.7 | 53,941.2 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 61.0 | -100 | 0.0 | 82.5 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | -68.1 | 77,858.0 | -100 | -3,195.7 | 57,435.8 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 3.8 | 14,196.8 | -99.97 | 4.6 | 14,809.5 | -99.97 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | -23.34 | 9,064.30 | -100 | -20.88 | 10,515.07 | -100.00 | 0.0000 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | 0.0 | -100 | -0.5 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | -1.4 | 0.0 | -100 | -3.7 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 2,517.0 | -100 | -5.5 | 11,346.8 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | -495.64 | 444,207.30 | -100 | -3,917.08 | 496,899.67 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 557,350 | 61,619,306 | -99.10 | 71,059,482 | 230,615,187 | -69.19 | 77.6290 |

* Production and Consumption numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

• % Chng = Percentage change of the annual figure when compared to the baseline.

• Per Cap. = Per capita consumption.

**Annex VIIb - Production and consumption of controlled substances - comparison of 2023 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* | | | |
|---|------------------|---------------------|---------------|------------------|---------------------|----------------|----------------|
| | 2023 | Base | % Chng | 2023 | Base | % Chng | Per Cap. Cons. |
| Africa - 54 (Population**: 1,461,864) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | 0.0 | 542.3 | -100 | 0.0 | 14,653.2 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 0.0 | -100 | 0.0 | 2,324.5 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 0.0 | -100 | 0.0 | 2.0 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 0.0 | 0.0 | -100 | 0.0 | 317.7 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 0.0 | -100 | 0.0 | 79.7 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 0.00 | 0.00 | -100 | 761.20 | 2,205.51 | -65.49 | 0.0005 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 0.0 | -100 | 0.0 | 2,683.5 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 0.00 | 542.30 | -100 | 761.20 | 22,266.11 | -96.58 | 0.0005 |
| F - Hydrofluorocarbons (HFCs) | 0 | 0 | -100 | 98,441,625 | 116,372,915 | -15.41 | 67.3398 |
| Asia-Pacific - 57 (Population**: 4,631,567) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -44.6 | 199,239.4 | -100 | -44.6 | 235,600.3 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 73,378.8 | -100 | 0.0 | 61,557.1 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 2,368.7 | -100 | 0.0 | 2,372.7 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 116.7 | 65,504.6 | -99.82 | 116.9 | 138,448.1 | -99.92 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 15,756.9 | -100 | 0.0 | 18,849.0 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 13,136.83 | 37,660.50 | -65.12 | 11,159.45 | 34,968.22 | -68.09 | 0.0024 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 4,182.4 | -100 | 0.0 | 6,147.5 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 13,208.93 | 398,091.30 | -96.68 | 11,231.75 | 497,942.92 | -97.74 | 0.0024 |
| F - Hydrofluorocarbons (HFCs) | 1,562,893,843 | 1,915,688,503 | -18.42 | 978,287,584 | 1,188,733,796 | -17.70 | 211.2217 |
| Eastern Europe - 23 (Population**: 331,172) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -14.2 | 107,273.6 | -100 | 0.0 | 109,899.8 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 27,800.0 | -100 | 0.0 | 32,700.6 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 300.0 | -100 | 0.0 | 312.1 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 0.0 | 124,414.0 | -100 | 0.0 | 103,323.0 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 357.2 | -100 | 0.0 | 342.7 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 12.83 | 4,714.30 | -99.73 | 28.63 | 4,261.00 | -99.33 | 0.0001 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 0.0 | -100 | 0.0 | 47.5 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | -1.37 | 264,859.10 | -100 | 28.63 | 250,886.70 | -99.99 | 0.0001 |
| F - Hydrofluorocarbons (HFCs) | -683,585 | 16,302,785 | -100 | 59,173,471 | 61,382,682 | -3.60 | 178.6790 |
| Latin America and the Caribbean - 33 (Population**: 651,641) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -0.7 | 28,756.7 | -100 | -0.7 | 30,647.7 | -100.00 | 0.0000 |
| AII - Halons | 0.0 | 0.0 | -100 | 0.0 | 570.0 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | 0.0 | 0.0 | -100 | 0.0 | 36.1 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | 0.0 | 11,629.6 | -100 | 0.0 | 1,823.1 | -100.00 | 0.0000 |
| BIII - Methyl Chloroform (TCA) | 0.0 | 32.4 | -100 | 0.0 | 174.1 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | 238.97 | 1,044.70 | -77.13 | 1,032.83 | 3,732.89 | -72.33 | 0.0016 |
| CII - Hydrobromofluorocarbons (HBFCs) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 0.0 | 0.0 | -100 | 0.0 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | 0.0 | 0.0 | -100 | 0.0 | 3,834.5 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | 238.27 | 41,463.40 | -99.43 | 1,032.13 | 40,818.39 | -97.47 | 0.0016 |
| F - Hydrofluorocarbons (HFCs) | -968,509 | 22,343,370 | -100 | 141,529,861 | 222,813,606 | -36.48 | 217.1899 |
| Western Europe and Others - 31 (Population**: 1,445,074) | | | | | | | |
| AI - Chlorofluorocarbons (CFCs) | -481.9 | 788,956.6 | -100 | -495.9 | 715,372.7 | -100.00 | 0.0000 |
| AII - Halons | -52.0 | 129,949.0 | -100 | -52.0 | 122,482.7 | -100.00 | 0.0000 |
| BI - Other Fully Halogenated CFCs | -130.2 | 676.0 | -100 | -130.2 | 666.2 | -100.00 | 0.0000 |
| BII - Carbon Tetrachloride (CTC) | -2,228.9 | 188,622.5 | -100 | 449.0 | 77,483.9 | -99.42 | 0.0003 |
| BIII - Methyl Chloroform (TCA) | -31.1 | 53,524.1 | -100 | -31.1 | 43,102.1 | -100.00 | 0.0000 |
| CI - Hydrochlorofluorocarbons (HCFCs) | -31.43 | 30,755.20 | -100 | -40.15 | 27,549.07 | -100.00 | 0.0000 |
| CII - Hydrobromofluorocarbons (HBFCs) | -0.1 | 0.0 | -100 | -0.7 | 0.0 | -100.00 | 0.0000 |
| CIII - Bromochloromethane (BCM) | 3.7 | 0.0 | -100 | -2.2 | 0.0 | -100.00 | 0.0000 |
| EI - Methyl Bromide (MB) | -53.6 | 36,225.0 | -100 | -40.5 | 30,460.8 | -100.00 | 0.0000 |
| Subtotal - Summation excludes Annex F | -3,005.53 | 1,228,708.40 | -100 | -343.75 | 1,017,117.47 | -100.00 | 0.0000 |
| F - Hydrofluorocarbons (HFCs) | 168,364,782 | 485,811,380 | -65.34 | 362,595,629 | 558,072,791 | -35.03 | 250.9184 |

* Production and Consumption numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

• % Chng = Percentage change of the annual figure when compared to the baseline.

• Per Cap. = Per capita consumption.

**Annex VIIa - 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 (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* | | | IMPORTS* | EXPORTS* |
|--|----------------|-------------------|---------------|-----------------|------------------|
| | 2024 | Base | % Chng | 2024 | 2024 |
| All Parties - 112 (Population**: 3,665,212) | | | | | |
| AI - Chlorofluorocarbons (CFCs) (3 party(ies)) | -262.6 | 542,790.9 | -100 | 20.0 | 0.0 |
| AII - Halons (1 party(ies)) | -153.4 | 110,912.0 | -100 | 1,801.3 | 0.0 |
| BI - Other Fully Halogenated CFCs (1 party(ies)) | 0.0 | 2,703.0 | -100 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (7 party(ies)) | -61.4 | 222,910.3 | -100 | 0.3 | 45,090.7 |
| BIII - Methyl Chloroform (TCA) (4 party(ies)) | 3.8 | 30,203.3 | -99.99 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (83 party(ies)) | 277.53 | 20,288.10 | -98.63 | 3,307.89 | 898.62 |
| CII - Hydrobromofluorocarbons (HBFCs) (2 party(ies)) | 0.0 | | -100 | 0.2 | 0.5 |
| CIII - Bromochloromethane (BCM) (3 party(ies)) | -1.5 | | -100 | 118.6 | 0.0 |
| EI - Methyl Bromide (MB) (20 party(ies)) | 0.0 | 5,923.1 | -100 | 1,971.7 | 10.5 |
| Subtotal - Summation excludes Annex F (85 party(ies)) | -197.57 | 935,730.70 | -100 | 7,219.84 | 46,000.37 |
| F - Hydrofluorocarbons (HFCs) (83 party(ies)) | 10,812,672 | 151,116,066 | -92.84 | 375,778,043 | 40,862,660 |
| Article 5 Parties - 84 (Population**: 2,478,502) | | | | | |
| AI - Chlorofluorocarbons (CFCs) (0 party(ies)) | 0.0 | 29,702.3 | -100 | 0.0 | 0.0 |
| AII - Halons (0 party(ies)) | 0.0 | 0.0 | -100 | 0.0 | 0.0 |
| BI - Other Fully Halogenated CFCs (0 party(ies)) | 0.0 | 0.0 | -100 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (1 party(ies)) | 0.0 | 12,914.8 | -100 | 0.0 | 0.0 |
| BIII - Methyl Chloroform (TCA) (0 party(ies)) | 0.0 | 40.1 | -100 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (76 party(ies)) | 297.89 | 1,072.30 | -72.22 | 2,729.04 | 135.99 |
| CII - Hydrobromofluorocarbons (HBFCs) (0 party(ies)) | 0.0 | | -100 | 0.0 | 0.0 |
| CIII - Bromochloromethane (BCM) (1 party(ies)) | 0.0 | | -100 | 58.8 | 0.0 |
| EI - Methyl Bromide (MB) (17 party(ies)) | 0.0 | 30.0 | -100 | 1,504.3 | 5.0 |
| Subtotal - Summation excludes Annex F (76 party(ies)) | 297.89 | 43,759.50 | -99.32 | 4,292.15 | 141.03 |
| F - Hydrofluorocarbons (HFCs) (73 party(ies)) | 650,437 | 23,445,690 | -97.23 | 258,165,020 | 15,328,762 |
| Non-Article 5 Parties - 28 (Population**: 1,186,710) | | | | | |
| AI - Chlorofluorocarbons (CFCs) (3 party(ies)) | -262.6 | 513,088.6 | -100 | 20.0 | 0.0 |
| AII - Halons (1 party(ies)) | -153.4 | 110,912.0 | -100 | 1,801.3 | 0.0 |
| BI - Other Fully Halogenated CFCs (1 party(ies)) | 0.0 | 2,703.0 | -100 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (6 party(ies)) | -61.4 | 209,995.5 | -100 | 0.2 | 45,090.7 |
| BIII - Methyl Chloroform (TCA) (4 party(ies)) | 3.8 | 30,163.2 | -99.99 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (7 party(ies)) | -20.36 | 19,215.80 | -100 | 578.86 | 762.63 |
| CII - Hydrobromofluorocarbons (HBFCs) (2 party(ies)) | 0.0 | | -100 | 0.2 | 0.5 |
| CIII - Bromochloromethane (BCM) (2 party(ies)) | -1.5 | | -100 | 59.8 | 0.0 |
| EI - Methyl Bromide (MB) (3 party(ies)) | 0.0 | 5,893.1 | -100 | 467.4 | 5.5 |
| Subtotal - Summation excludes Annex F (9 party(ies)) | -495.46 | 891,971.20 | -100 | 2,927.69 | 45,859.34 |
| F - Hydrofluorocarbons (HFCs) (10 party(ies)) | 10,162,235 | 127,670,376 | -92.04 | 117,613,023 | 25,533,898 |

* Production, imports and exports numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

- % Chng = Percentage change of the annual figure when compared to the baseline.
- Per Cap. = Per capita consumption.

**Annex VIIb - Production, import and export of controlled substances - comparison of 2023 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* | | | IMPORTS* | EXPORTS* |
|--|------------------|---------------------|---------------|------------------|------------------|
| | 2023 | Base | % Chng | 2023 | 2023 |
| All Parties - 198 (Population**: 8,521,318) | | | | | |
| AI - Chlorofluorocarbons (CFCs) (11 party/ies) | -541.4 | 1,124,768.6 | -100 | 361.7 | 361.6 |
| AII - Halons (2 party/ies) | -52.0 | 231,127.8 | -100 | 2,800.0 | 3,000.0 |
| BI - Other Fully Halogenated CFCs (2 party/ies) | -130.2 | 3,344.7 | -100 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (16 party/ies) | -2,112.2 | 390,170.7 | -100 | 24,526.1 | 57,578.3 |
| BIII - Methyl Chloroform (TCA) (9 party/ies) | -31.1 | 69,670.6 | -100 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (148 party/ies) | 13,357.20 | 74,174.70 | -81.99 | 7,991.58 | 8,178.38 |
| CII - Hydrobromofluorocarbons (HBFCs) (7 party/ies) | -0.1 | | -100 | 12.6 | 2.2 |
| CIII - Bromochloromethane (BCM) (12 party/ies) | -3.7 | | | 101.7 | 105.8 |
| EI - Methyl Bromide (MB) (46 party/ies) | -53.6 | 40,407.4 | -100 | 2,890.5 | 2,703.6 |
| Subtotal - Summation excludes Annex F (153 party/ies) | 10,440.30 | 1,933,664.50 | -99.46 | 38,684.26 | 71,929.88 |
| F - Hydrofluorocarbons (HFCs) (147 party/ies) | 1,729,606.531 | 2,440,146.038 | -29.12 | 878,670.467 | 966,689.568 |
| Article 5 Parties - 147 (Population**: 6,660,144) | | | | | |
| AI - Chlorofluorocarbons (CFCs) (2 party/ies) | -45.3 | 108,540.6 | -100 | 1.6 | 361.6 |
| AII - Halons (1 party/ies) | 0.0 | 44,959.8 | -100 | 0.0 | 3,000.0 |
| BI - Other Fully Halogenated CFCs (0 party/ies) | 0.0 | 26.7 | -100 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (4 party/ies) | 109.4 | 57,532.2 | -99.81 | 925.1 | 1,485.0 |
| BIII - Methyl Chloroform (TCA) (1 party/ies) | 0.0 | 152.9 | -100 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (131 party/ies) | 13,375.80 | 32,988.90 | -59.45 | 5,290.50 | 7,831.97 |
| CII - Hydrobromofluorocarbons (HBFCs) (4 party/ies) | 0.0 | | -100 | 11.7 | 0.4 |
| CIII - Bromochloromethane (BCM) (2 party/ies) | 0.0 | | -100 | 55.6 | 0.0 |
| EI - Methyl Bromide (MB) (34 party/ies) | 0.0 | 806.3 | -100 | 1,942.8 | 1,251.7 |
| Subtotal - Summation excludes Annex F (131 party/ies) | 13,439.90 | 245,007.40 | -94.51 | 8,227.30 | 13,930.68 |
| F - Hydrofluorocarbons (HFCs) (126 party/ies) | 1,537,154.721 | 1,887,966.058 | -18.58 | 564,801.218 | 881,550.841 |
| Non-Article 5 Parties - 51 (Population**: 1,861,174) | | | | | |
| AI - Chlorofluorocarbons (CFCs) (9 party/ies) | -496.1 | 1,016,228.0 | -100 | 360.1 | 0.0 |
| AII - Halons (1 party/ies) | -52.0 | 186,168.0 | -100 | 2,800.0 | 0.0 |
| BI - Other Fully Halogenated CFCs (2 party/ies) | -130.2 | 3,318.0 | -100 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (12 party/ies) | -2,221.6 | 332,638.5 | -100 | 23,601.0 | 56,093.3 |
| BIII - Methyl Chloroform (TCA) (8 party/ies) | -31.1 | 69,517.7 | -100 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (17 party/ies) | -18.60 | 41,185.80 | -100 | 2,701.08 | 346.41 |
| CII - Hydrobromofluorocarbons (HBFCs) (3 party/ies) | -0.1 | | -100 | 0.9 | 1.8 |
| CIII - Bromochloromethane (BCM) (10 party/ies) | -3.7 | | | 46.1 | 105.8 |
| EI - Methyl Bromide (MB) (12 party/ies) | -53.6 | 39,601.1 | -100 | 947.8 | 1,451.9 |
| Subtotal - Summation excludes Annex F (22 party/ies) | -2,999.60 | 1,688,657.10 | -100 | 30,456.97 | 57,999.20 |
| F - Hydrofluorocarbons (HFCs) (21 party/ies) | 192,451.810 | 552,179.980 | -65.15 | 313,869.249 | 85,138.727 |

* Production, imports and exports numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

- % Chng = Percentage change of the annual figure when compared to the baseline.
- Per Cap. = Per capita consumption.

**Annex VIIIa - 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 (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.

| | IMPORTS* | | EXPORTS* | |
|--|-----------------|---------------|------------------|---------------|
| | New | Recovered | New | Recovered |
| All Parties - 112 (Population**: 3,665,212) | | | | |
| AI - Chlorofluorocarbons (CFCs) (5 party[ies]) | 20.0 | 45.3 | 0.0 | 17.1 |
| AII - Halons (5 party[ies]) | 1,801.3 | 448.8 | 0.0 | 388.3 |
| BI - Other Fully Halogenated CFCs (1 party[ies]) | 0.0 | 0.0 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (7 party[ies]) | 0.3 | 0.0 | 45,090.7 | 0.0 |
| BIII - Methyl Chloroform (TCA) (3 party[ies]) | 0.0 | 0.0 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (84 party[ies]) | 3,307.89 | 0.62 | 898.62 | 29.51 |
| CII - Hydrobromofluorocarbons (HBFCs) (2 party[ies]) | 0.2 | 0.0 | 0.5 | 0.0 |
| CIII - Bromochloromethane (BCM) (3 party[ies]) | 118.6 | 0.0 | 0.0 | 0.0 |
| EI - Methyl Bromide (MB) (20 party[ies]) | 1,971.7 | 0.0 | 10.5 | 0.0 |
| Subtotal - Summation excludes Annex F (86 party[ies]) | 7,219.84 | 494.76 | 46,000.37 | 434.85 |
| F - Hydrofluorocarbons (HFCs) (81 party[ies]) | 375,778,043 | 290,444 | 40,862,660 | 2,010,747 |
| Article 5 Parties - 84 (Population**: 2,478,502) | | | | |
| AI - Chlorofluorocarbons (CFCs) (0 party[ies]) | 0.0 | 0.0 | 0.0 | 0.0 |
| AII - Halons (3 party[ies]) | 0.0 | 145.7 | 0.0 | 5.4 |
| BI - Other Fully Halogenated CFCs (0 party[ies]) | 0.0 | 0.0 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (1 party[ies]) | 0.0 | 0.0 | 0.0 | 0.0 |
| BIII - Methyl Chloroform (TCA) (0 party[ies]) | 0.0 | 0.0 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (76 party[ies]) | 2,729.04 | 0.00 | 135.99 | 0.00 |
| CII - Hydrobromofluorocarbons (HBFCs) (0 party[ies]) | 0.0 | 0.0 | 0.0 | 0.0 |
| CIII - Bromochloromethane (BCM) (1 party[ies]) | 58.8 | 0.0 | 0.0 | 0.0 |
| EI - Methyl Bromide (MB) (17 party[ies]) | 1,504.3 | 0.0 | 5.0 | 0.0 |
| Subtotal - Summation excludes Annex F (76 party[ies]) | 4,292.15 | 145.66 | 141.03 | 5.40 |
| F - Hydrofluorocarbons (HFCs) (72 party[ies]) | 258,165,020 | 0 | 15,328,762 | 0 |
| Non-Article 5 Parties - 28 (Population**: 1,186,710) | | | | |
| AI - Chlorofluorocarbons (CFCs) (5 party[ies]) | 20.0 | 45.3 | 0.0 | 17.1 |
| AII - Halons (2 party[ies]) | 1,801.3 | 303.1 | 0.0 | 382.9 |
| BI - Other Fully Halogenated CFCs (1 party[ies]) | 0.0 | 0.0 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (6 party[ies]) | 0.2 | 0.0 | 45,090.7 | 0.0 |
| BIII - Methyl Chloroform (TCA) (3 party[ies]) | 0.0 | 0.0 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (8 party[ies]) | 578.86 | 0.62 | 762.63 | 29.51 |
| CII - Hydrobromofluorocarbons (HBFCs) (2 party[ies]) | 0.2 | 0.0 | 0.5 | 0.0 |
| CIII - Bromochloromethane (BCM) (2 party[ies]) | 59.8 | 0.0 | 0.0 | 0.0 |
| EI - Methyl Bromide (MB) (3 party[ies]) | 467.4 | 0.0 | 5.5 | 0.0 |
| Subtotal - Summation excludes Annex F (10 party[ies]) | 2,927.69 | 349.11 | 45,859.34 | 429.45 |
| F - Hydrofluorocarbons (HFCs) (9 party[ies]) | 117,613,023 | 290,444 | 25,533,898 | 2,010,747 |

*Imports and exports numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

**Annex VIIIb - Import and Export of New and Recovered controlled substances in 2023 :
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.

| | IMPORTS* | | EXPORTS* | |
|--|------------------|------------------|------------------|------------------|
| | New | Recovered | New | Recovered |
| All Parties - 198 (Population**: 8,521,318) | | | | |
| AI - Chlorofluorocarbons (CFCs) (14 party/ies) | 361.7 | 40.7 | 361.6 | 40.1 |
| AII - Halons (15 party/ies) | 2,800.0 | 1,614.5 | 3,000.0 | 1,496.9 |
| BI - Other Fully Halogenated CFCs (2 party/ies) | 0.0 | 0.0 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (15 party/ies) | 24,526.1 | 0.0 | 57,578.3 | 0.0 |
| BIII - Methyl Chloroform (TCA) (8 party/ies) | 0.0 | 0.0 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (151 party/ies) | 7,991.58 | 8.84 | 8,178.38 | 14.68 |
| CII - Hydrobromofluorocarbons (HBFCs) (7 party/ies) | 12.6 | 0.0 | 2.2 | 0.0 |
| CIII - Bromochloromethane (BCM) (11 party/ies) | 101.7 | 0.0 | 105.8 | 0.0 |
| EI - Methyl Bromide (MB) (46 party/ies) | 2,890.5 | 0.0 | 2,703.6 | 0.0 |
| Subtotal - Summation excludes Annex F (154 party/ies) | 38,684.26 | 1,664.09 | 71,929.88 | 1,551.69 |
| F - Hydrofluorocarbons (HFCs) (144 party/ies) | 878,670,467 | 857,371 | 966,689,568 | 2,473,648 |
| Article 5 Parties - 147 (Population**: 6,660,144) | | | | |
| AI - Chlorofluorocarbons (CFCs) (3 party/ies) | 1.6 | 0.0 | 361.6 | 14.0 |
| AII - Halons (10 party/ies) | 0.0 | 267.0 | 3,000.0 | 431.2 |
| BI - Other Fully Halogenated CFCs (0 party/ies) | 0.0 | 0.0 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (3 party/ies) | 925.1 | 0.0 | 1,485.0 | 0.0 |
| BIII - Methyl Chloroform (TCA) (1 party/ies) | 0.0 | 0.0 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (131 party/ies) | 5,290.50 | 2.14 | 7,831.97 | 3.86 |
| CII - Hydrobromofluorocarbons (HBFCs) (4 party/ies) | 11.7 | 0.0 | 0.4 | 0.0 |
| CIII - Bromochloromethane (BCM) (2 party/ies) | 55.6 | 0.0 | 0.0 | 0.0 |
| EI - Methyl Bromide (MB) (34 party/ies) | 1,942.8 | 0.0 | 1,251.7 | 0.0 |
| Subtotal - Summation excludes Annex F (131 party/ies) | 8,227.30 | 269.12 | 13,930.68 | 449.04 |
| F - Hydrofluorocarbons (HFCs) (125 party/ies) | 564,801,218 | 0 | 881,550,841 | 62,876 |
| Non-Article 5 Parties - 51 (Population**: 1,861,174) | | | | |
| AI - Chlorofluorocarbons (CFCs) (11 party/ies) | 360.1 | 40.7 | 0.0 | 26.1 |
| AII - Halons (5 party/ies) | 2,800.0 | 1,347.6 | 0.0 | 1,065.7 |
| BI - Other Fully Halogenated CFCs (2 party/ies) | 0.0 | 0.0 | 0.0 | 0.0 |
| BII - Carbon Tetrachloride (CTC) (12 party/ies) | 23,601.0 | 0.0 | 56,093.3 | 0.0 |
| BIII - Methyl Chloroform (TCA) (7 party/ies) | 0.0 | 0.0 | 0.0 | 0.0 |
| CI - Hydrochlorofluorocarbons (HCFCs) (20 party/ies) | 2,701.08 | 6.69 | 346.41 | 10.82 |
| CII - Hydrobromofluorocarbons (HBFCs) (3 party/ies) | 0.9 | 0.0 | 1.8 | 0.0 |
| CIII - Bromochloromethane (BCM) (9 party/ies) | 46.1 | 0.0 | 105.8 | 0.0 |
| EI - Methyl Bromide (MB) (12 party/ies) | 947.8 | 0.0 | 1,451.9 | 0.0 |
| Subtotal - Summation excludes Annex F (23 party/ies) | 30,456.97 | 1,394.98 | 57,999.20 | 1,102.65 |
| F - Hydrofluorocarbons (HFCs) (19 party/ies) | 313,869,249 | 857,371 | 85,138,727 | 2,410,772 |

*Imports and exports numbers are rounded to a uniform number of decimal places for each annex group. Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, annex B, groups II and III of annex C, and annex E) to make it easier to view non-zero consumption.

** Population in thousands.

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

| Substance Name | Annex Group | Recovered Import | Recovered Export |
|---|-------------|------------------|-------------------|
| Article 5 Parties | | | |
| Brazil | | | |
| HALON-1211 | All | 3.202 | 0.000002 |
| HALON-1301 | All | 10.583 | 0.54 |
| Sub-total 2024 Brazil | | 13.785 | 0.540002 |
| Philippines | | | |
| HALON-1211 | All | 0.20641 | |
| HALON-1301 | All | 2.9 | |
| Sub-total 2024 Philippines | | 3.10641 | |
| Trinidad and Tobago | | | |
| HALON-1301 | All | 0.06 | |
| Sub-total 2024 Article 5 Parties | | 16.95141 | 0.540002 |
| Non-Article 5 Parties | | | |
| Australia | | | |
| CFC-115 | AI | 0.127 | |
| CFC-12 | AI | 2.3 | |
| HCFC-22 | CI | 4.557 | |
| HFC-125 | F | 17.418 | |
| HFC-134a | F | 9.114 | |
| HFC-152a | F | 2.811 | |
| HFC-32 | F | 5.409 | |
| Sub-total 2024 Australia | | 41.736 | |
| Canada | | | |
| CFC-11 | AI | 0.000795 | 8.33293 |
| CFC-113 | AI | 0.000003 | 0.41564 |
| CFC-114 | AI | | 0.18848 |
| CFC-115 | AI | 0.000017 | 1.94127 |
| CFC-12 | AI | 0.00037 | 5.14157 |
| HCFC-123 | CI | 0.000005 | 2.11896 |
| HCFC-124 | CI | | 1.32915 |
| HCFC-141B | CI | 0.00166 | 16.45 |
| HCFC-142B | CI | | 0.40757 |
| HCFC-22 | CI | 0.000965 | 65.39588 |
| HFC-125 | F | 0.000037 | 39.57081 |
| HFC-134a | F | 0.000146 | 30.3767296 |
| HFC-143a | F | 0.000005 | 8.2969 |
| HFC-152a | F | | 0.26865 |
| HFC-245fa | F | 0.000634 | 6.24 |
| HFC-32 | F | 0.000038 | 27.4116824 |
| Sub-total 2024 Canada | | 0.004675 | 213.886222 |
| European Union | | | |
| CFC-11 | AI | 0.137 | |
| CFC-115 | AI | 0.08 | |
| CFC-12 | AI | 42.782 | |
| HALON-1211 | All | 4.312 | 33.844 |
| HALON-1301 | All | 28.829 | 24.616 |
| HALON-2402 | All | 0.251 | |
| HCFC-123 | CI | 0.025 | |
| HCFC-124 | CI | 0.074 | |
| HCFC-141B | CI | 0.009 | |
| HCFC-142B | CI | 0.015 | |
| HCFC-22 | CI | 6.551 | 86.04 |
| HFC-125 | F | 5.8402 | |
| HFC-134a | F | 1.893 | |
| HFC-143a | F | 0.282 | |
| HFC-32 | F | 28.605 | |
| Sub-total 2024 European Union | | 119.6852 | 144.5 |
| Holy See | | | |
| HFC-125 | F | 0.005 | |
| HFC-143a | F | 0.005 | |
| Sub-total 2024 Holy See | | 0.01 | |
| Japan | | | |
| HCFC-123 | CI | | 24.11143 |
| HCFC-133 | CI | | 3.00E-07 |
| HCFC-22 | CI | | 335.49189 |
| HFC-125 | F | 40.405 | 369.6381 |
| HFC-134a | F | | 0.5676 |
| HFC-143a | F | | 7.3788 |
| HFC-32 | F | 40.405 | 363.3945 |

| | | | |
|---|-----|-------------------|--------------------|
| Sub-total 2024 Japan | | 80.81 | 1100.58232 |
| Norway | | | |
| CFC-113 | AI | | 0.008 |
| CFC-115 | AI | | 0.084 |
| CFC-12 | AI | | 1.849 |
| HALON-1211 | All | 0.052 | 2.101 |
| HALON-1301 | All | 0.026 | 2.796 |
| HALON-2402 | All | | 0.153 |
| HCFC-124 | CJ | | 0.052 |
| HCFC-142B | CJ | | 0.004 |
| HCFC-22 | CJ | | 6.135 |
| HFC-125 | F | | 21.521 |
| HFC-134a | F | | 7.83 |
| HFC-143a | F | | 17.906 |
| HFC-152a | F | | 0.024 |
| HFC-227ea | F | | 4.833 |
| HFC-23 | F | | 0.016 |
| HFC-32 | F | | 17.153 |
| Sub-total 2024 Norway | | 0.078 | 82.465 |
| Sub-total 2024 Non-Article 5 Parties | | 242.323875 | 1541.433542 |
| Total 2024 All Parties | | 259.275285 | 1541.973544 |

Annex IXb - Recovered ODSs Imported and Exported by the Parties in 2023 (tonnes)

| Substance Name | Annex Group | Recovered Import | Recovered Export |
|---|-------------|------------------|-------------------|
| Article 5 Parties | | | |
| Brazil | | | |
| HALON-1211 | All | 3.442 | |
| HALON-1301 | All | 8.653 | 1.1 |
| Sub-total 2023 Brazil | | 12.095 | 1.1 |
| Chile | | | |
| CFC-115 | AI | | 0.010088 |
| CFC-12 | AI | | 4.54624 |
| Sub-total 2023 Chile | | | 4.556328 |
| China | | | |
| HALON-1301 | All | | 0.010896 |
| HCFC-22 | CI | | 7.83 |
| Sub-total 2023 China | | | 7.840896 |
| India | | | |
| HALON-1211 | All | 6.154 | |
| HALON-1301 | All | 5.08 | |
| HALON-2402 | All | | 5.028 |
| Sub-total 2023 India | | 11.234 | 5.028 |
| Malaysia | | | |
| HALON-1301 | All | 0.3 | |
| Philippines | | | |
| HALON-1211 | All | 0.175 | |
| HALON-1301 | All | 0.942 | |
| Sub-total 2023 Philippines | | 1.117 | |
| Qatar | | | |
| HALON-1301 | All | | 13.9935 |
| Republic of Korea | | | |
| CFC-12 | AI | | 9.41 |
| HALON-1301 | All | | 25 |
| HFC-125 | F | | 15.06 |
| HFC-32 | F | | 15.06 |
| Sub-total 2023 Republic of Korea | | | 64.53 |
| Singapore | | | |
| HALON-1211 | All | 0.5 | |
| HALON-1301 | All | 1 | |
| HCFC-22 | CI | 38.99 | 62.42 |
| Sub-total 2023 Singapore | | 40.49 | 62.42 |
| Trinidad and Tobago | | | |
| HALON-1301 | All | 0.45 | |
| Türkiye | | | |
| HALON-1301 | All | 7 | |
| HALON-2402 | All | 0.318 | |
| Sub-total 2023 Türkiye | | 7.318 | |
| Sub-total 2023 Article 5 Parties | | 73.004 | 159.468724 |
| Non-Article 5 Parties | | | |
| Australia | | | |
| CFC-11 | AI | 0.019 | |
| CFC-115 | AI | 0.0599 | |
| CFC-12 | AI | 2.314 | |
| HCFC-123 | CI | 0.0191 | |
| HCFC-124 | CI | 0.0198 | |
| HCFC-142B | CI | 0.0198 | |
| HCFC-22 | CI | 4.609 | |
| HFC-125 | F | 24.098 | 8.55 |
| HFC-134a | F | 8.21 | |
| HFC-143a | F | 2.314 | |
| HFC-23 | F | 0.0204 | |
| HFC-32 | F | 15.6958 | 8.55 |
| Sub-total 2023 Australia | | 57.3988 | 17.1 |
| Canada | | | |
| CFC-11 | AI | 0.0001302 | 13.85878679 |
| CFC-113 | AI | | 0.166668746 |
| CFC-114 | AI | | 0.09003 |
| CFC-115 | AI | 0.0000048 | 1.860803857 |
| CFC-12 | AI | 0.0005922 | 6.982739808 |

| | | | |
|--------------------------------------|-----|------------------|------------------|
| HCFC-123 | CJ | 0.0000016 | 4.084148162 |
| HCFC-124 | CJ | 0.0000032 | 0.774682571 |
| HCFC-133 | CJ | | 0.667724094 |
| HCFC-141B | CJ | 0.0001143 | 8.559990236 |
| HCFC-142B | CJ | 0.0000016 | 0.511101286 |
| HCFC-21 | CJ | | 0.657 |
| HCFC-22 | CJ | 0.350508 | 57.20226748 |
| HFC-125 | F | 0.0000254 | 46.50603463 |
| HFC-134a | F | 0.0004069 | 37.4731867 |
| HFC-143 | F | 0.0000016 | 0.008811286 |
| HFC-143a | F | | 9.821718 |
| HFC-152a | F | | 0.01 |
| HFC-245fa | F | 0.000136 | |
| HFC-32 | F | 0.0000349 | 30.02616635 |
| Sub-total 2023 Canada | | 0.3519607 | 219.26186 |
| European Union | | | |
| Carbon Tetrachloride | BII | | 0.0000002 |
| CFC-11 | AI | 5.884 | |
| CFC-115 | AI | 0.032 | |
| CFC-12 | AI | 2.09 | |
| HALON-1211 | AII | 25.396 | 18.289 |
| HALON-1301 | AII | 23.356 | 12.645 |
| HALON-2402 | AII | 0.322 | |
| HCFC-123 | CJ | 0.012 | |
| HCFC-124 | CJ | 0.036 | |
| HCFC-141B | CJ | 0.491 | |
| HCFC-142B | CJ | 0.051 | |
| HCFC-22 | CJ | 5.213 | 14.02 |
| Sub-total 2023 European Union | | 62.883 | 44.954002 |
| Holy See | | | |
| HFC-125 | F | 0.0445 | |
| HFC-143a | F | 0.0445 | |
| Sub-total 2023 Holy See | | 0.089 | |
| Israel | | | |
| HALON-1301 | AII | 1.144 | |
| HCFC-123 | CJ | 49.06 | |
| HCFC-22 | CJ | 28.424 | |
| Sub-total 2023 Israel | | 78.628 | |
| Japan | | | |
| HCFC-22 | CJ | | 39.0181 |
| HFC-125 | F | 34.37 | 438.1565 |
| HFC-23 | F | 7.49665 | |
| HFC-32 | F | 34.37 | 438.1565 |
| HFC-41 | F | 0.37153 | |
| HFC-43-10mee | F | 6.6703 | 6.6703 |
| Sub-total 2023 Japan | | 83.27848 | 922.0014 |
| Liechtenstein | | | |
| HFC-125 | F | 0.0065 | 0.013 |
| HFC-143a | F | 0.0065 | |
| HFC-23 | F | 0.002 | |
| HFC-32 | F | | 0.013 |
| Sub-total 2023 Liechtenstein | | 0.015 | 0.026 |
| Monaco | | | |
| HCFC-22 | CJ | | 0.009 |
| HFC-125 | F | | 0.04453 |
| HFC-134a | F | | 0.17532 |
| HFC-143a | F | | 0.00624 |
| HFC-32 | F | | 0.04491 |
| Sub-total 2023 Monaco | | | 0.28 |
| New Zealand | | | |
| CFC-11 | AI | | 0.0191 |
| CFC-115 | AI | | 0.06 |
| CFC-12 | AI | | 2.31 |
| HCFC-123 | CJ | | 0.1911 |
| HCFC-124 | CJ | | 0.02 |
| HCFC-142B | CJ | | 0.02 |
| HCFC-22 | CJ | | 4.7 |
| HFC-125 | F | | 15.54176 |
| HFC-134a | F | | 0.30078 |
| HFC-143a | F | | 3.366 |
| HFC-236fa | F | | 0.81 |
| HFC-32 | F | | 0.35564 |

| Sub-total 2023 New Zealand | | 27.69438 | |
|--|-----|--------------------|--------------------|
| Norway | | | |
| CFC-113 | AI | | 0.009 |
| CFC-115 | AI | | 0.065 |
| CFC-12 | AI | | 1.512 |
| HALON-1211 | AII | 0.021 | 0.01 |
| HALON-1301 | AII | 0.034 | 0.052 |
| HCFC-124 | CI | | 0.038 |
| HCFC-142 | CI | | 0.002 |
| HCFC-22 | CI | | 6.88 |
| HFC-125 | F | | 22.994 |
| HFC-134a | F | | 17.645 |
| HFC-143a | F | | 8.918 |
| HFC-152a | F | | 0.02 |
| HFC-227ea | F | | 2.715 |
| HFC-23 | F | | 0.023 |
| HFC-32 | F | | 14.957 |
| Sub-total 2023 Norway | | 0.055 | 75.84 |
| Switzerland | | | |
| HFC-125 | F | 6.88041505 | 2.6268 |
| HFC-134a | F | 0.43432745 | |
| HFC-143a | F | 5.6175511 | |
| HFC-23 | F | 0.41292525 | |
| HFC-32 | F | 1.7109025 | 2.6268 |
| Sub-total 2023 Switzerland | | 15.05612135 | 5.2536 |
| United Kingdom of Great Britain and Northern Ireland | | | |
| HALON-1301 | AII | 6.552 | 8.51 |
| HCFC-22 | CI | | 54 |
| Sub-total 2023 United Kingdom of Great Britain and Northern Ireland | | 6.552 | 62.51 |
| United States of America | | | |
| CFC-11 | AI | 12.68 | |
| CFC-113 | AI | 0.13 | |
| CFC-114 | AI | 0.09 | |
| CFC-115 | AI | 1.74 | |
| CFC-12 | AI | 16.44 | |
| HALON-1211 | AII | 7.44 | 1.36 |
| HALON-1301 | AII | 93.62 | 79.03 |
| HALON-2402 | AII | | 0.73 |
| HCFC-123 | CI | 1.99 | |
| HCFC-124 | CI | 0.78 | |
| HCFC-133a | CI | 0.12 | |
| HCFC-141B | CI | 3.48 | |
| HCFC-142B | CI | 0.31 | |
| HCFC-21 | CI | 0.64 | |
| HCFC-22 | CI | 55.23 | |
| HFC-125 | F | 71.96 | |
| HFC-134a | F | 35.02 | |
| HFC-143a | F | 8.62 | |
| HFC-152a | F | 0.03 | |
| HFC-227ea | F | 2.88 | |
| HFC-236fa | F | 2.5 | |
| HFC-245fa | F | 4.12 | |
| HFC-32 | F | 57.18 | |
| Sub-total 2023 United States of America | | 377 | 81.12 |
| Sub-total 2023 Non-Article 5 Parties | | 681.3073621 | 1456.041242 |
| Total 2023 All Parties | | 754.3113621 | 1615.509966 |

Annex Xa: Reported Consumption of controlled substances for Laboratory uses (tonnes)

| Annex Year | 2009 tonnes | 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 |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|
| AI | 13.61534 | 35.15292 | 15.95333 | 13.54982 | 8.94287 | 11.52456 | 7.469573 | 3.924015 | 3.106801 | 0.127489 | 0.022396 | 0.149502 | 0.018795 | 0.001977 | 0.027382 |
| AII | | 0.20003 | 0.006 | 0.02 | 0.014 | 0.006 | 0.02 | 0.031 | 0.0502 | 8.5E-05 | 0.012028 | 0.000106 | | 0.0001 | |
| BI | | 0.002 | | 0.002 | 0.01 | 6E-10 | 0.01 | | | 4E-07 | 0.002 | 0.002 | | 3E-09 | 0.00021 |
| BII | 115.6065 | 313.9764 | 260.8371 | 204.4828 | 222.0657 | 214.4778 | 138.4999 | 151.7599 | 159.3053 | 165.5694 | 157.4663 | 124.2218 | 139.102 | 107.2719 | 107.1525 |
| BIII | 0.56296 | 0.024044 | 0.021004 | 0.003008 | 0.378 | 0.001011 | 0.002013 | 0.003022 | 0.00302 | 0.054026 | 0.018037 | 0.190038 | 0.000275 | 4.36E-05 | 4.24E-05 |
| CI | 0.051 | 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 |
| 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 |
| CIII | 0.0065 | | 0.001 | 0.00299 | 0.006974 | 0.00198 | 0.002994 | 0.006956 | 0.003001 | 0.013111 | 0.01393 | 0.043008 | 0.003983 | 0.001093 | 4.96E-06 |
| EI | 0.011387 | 0.000201 | 0.017 | 0.00335 | 0.00796 | 0.01831 | 0.0239 | 0.00835 | 0.00428 | 0.104 | 0.04666 | 0.07927 | 0.00521 | 0.015282 | 0.025642 |
| F | | | | | | | | | | | | | 0.0085 | 0.01 | 0.02 |
| Total | 129.8537 | 349.3642 | 276.8435 | 218.0692 | 232.1979 | 226.0939 | 146.1066 | 155.7633 | 162.6767 | 165.8831 | 157.5984 | 124.7658 | 139.167 | 116.5823 | 107.402 |

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 | 2009 tonnes | 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 |
|--------------|----------------|-----------------|---------------|--------------|-----------------|-----------------|----------------|----------------|----------------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 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 | 111.665 | 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 |
| BIII | 0.52 | | | | 0.001 | | | | | | | | | | |
| CI | | | | | 0.727 | 0.056 | 0.02 | | | | | | | 0.00021 | |
| CII | | | | | 0.022 | 0.005 | 0.02 | | | | | | | | |
| EI | | 0.0002 | | | 0.00351 | 0.01506 | 0.021 | 0.005 | | | 0.03066 | 0.02327 | 0.0052 | 0.01527 | 0.02564 |
| | | | | | | | | | | | | | | 0.01 | 0.02 |
| Total | 112.185 | 322.8905 | 257.74 | 202.7 | 224.8255 | 214.9861 | 140.829 | 150.935 | 161.875 | 165 | 156.9127 | 123.6133 | 138.5952 | 106.6555 | 106.5959 |

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 September 2025

| <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> |
|-------------|--------------------|--------------------|--|--|
| 2024 | European Union | B/II | 4.6 | Destruction: Unintentional by-production |
| | France | B/II | 3.8 | Destruction: Unintentional by-production |
| 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. |
| | | 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) |
| | | 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 |
| | | 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. |

| <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> |
|-------------|------------------------------------|--------------------|--|---|
| 2024 | European Union | B/II | 4.6 | Destruction: Unintentional by-production |
| | France | B/II | 3.8 | Destruction: Unintentional by-production |
| 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 |
| | 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 |
| | 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) |
|---------------|------------------------------|-------------|-----------------------------|--|--|--|--------------------------------------|---|---|--|
| 2023 | Chlorofluorocarbons (CFCs) | AI | 5 | 222,190 | 221,632 | 0 | 402 | 0 | 241 | |
| | Halons | AII | 3 | 1,866 | 1,566 | 0 | 300 | 0 | 5 | |
| | Other Fully Halogenated CFCs | BI | 1 | 0 | | 0 | | | | |
| | Carbon Tetrachloride (CTC) | BII | 12 | 361,968 | 326,314 | 107 | 28,075 | 0 | 9,204 | |
| | Methyl Chloroform (TCA) | BIII | 3 | 52,551 | 52,482 | 0 | | | 381 | |
| | Hydrobromofluorocarbons | CII | 3 | 3 | 1 | 0 | 2 | 0 | | |
| | Bromochloromethane (BCM) | CIII | 3 | 4,430 | 3,566 | 0 | 832 | 0 | 3 | |
| | Methyl Bromide (MB) | EI | 5 | 10,581 | 2,487 | 0 | 149 | 5 | 8 | 8,026 |
| TOTALS | | | | 653,589 | 608,046 | 107 | 29,760 | 5 | 9,842 | 8,026 |
| 2022 | Chlorofluorocarbons (CFCs) | AI | 5 | 218,076 | 216,088 | 0 | 1,844 | 0 | 222 | |
| | Halons | AII | 3 | 2,387 | 2,107 | 0 | 280 | 0 | 13 | |
| | Carbon Tetrachloride (CTC) | BII | 12 | 361,856 | 328,608 | 107 | 23,167 | 0 | 11,252 | |
| | Methyl Chloroform (TCA) | BIII | 3 | 81,581 | 81,400 | 0 | | | 371 | |
| | Hydrobromofluorocarbons | CII | 2 | 2 | 1 | 0 | 2 | 0 | | |
| | Bromochloromethane (BCM) | CIII | 4 | 7,909 | 6,202 | 0 | 1,671 | 0 | 3 | |
| | Methyl Bromide (MB) | EI | 5 | 11,493 | 2,390 | 0 | 96 | 15 | 9 | 8,865 |
| | TOTALS | | | | 683,305 | 636,796 | 107 | 27,059 | 15 | 11,870 |
| 2021 | Chlorofluorocarbons (CFCs) | AI | 4 | 219,860 | 218,005 | 0 | 1,665 | 0 | 240 | |
| | Halons | AII | 3 | 1,816 | 1,636 | 0 | 180 | 0 | 0 | |
| | Carbon Tetrachloride (CTC) | BII | 12 | 335,438 | 293,334 | 139 | 33,914 | 0 | 8,473 | |
| | Methyl Chloroform (TCA) | BIII | 3 | 87,136 | 86,889 | 0 | | | 471 | |
| | Hydrobromofluorocarbons | CII | 3 | 3 | 1 | 0 | 2 | 0 | | |
| | Bromochloromethane (BCM) | CIII | 3 | 5,614 | 4,609 | 0 | 960 | 0 | 1 | |
| | Methyl Bromide (MB) | EI | 5 | 13,765 | 2,267 | 0 | 337 | 16 | 50 | 10,737 |
| | TOTALS | | | | 663,632 | 606,742 | 139 | 37,058 | 16 | 9,235 |
| 2020 | Chlorofluorocarbons (CFCs) | AI | 4 | 188,008 | 186,349 | 0 | 1,515 | 0 | 230 | |
| | Halons | AII | 3 | 1,486 | 1,266 | 0 | 220 | 0 | 2 | |
| | Carbon Tetrachloride (CTC) | BII | 12 | 299,179 | 273,346 | 124 | 16,553 | 0 | 9,320 | |
| | Methyl Chloroform (TCA) | BIII | 3 | 69,558 | 69,199 | 0 | | | 682 | |
| | Hydrobromofluorocarbons | CII | 3 | 3 | 2 | 0 | 2 | 0 | | |
| | Bromochloromethane (BCM) | CIII | 3 | 4,472 | 3,657 | 0 | 801 | 0 | 2 | |
| | Methyl Bromide (MB) | EI | 5 | 13,396 | 3,061 | 0 | 236 | 26 | 19 | 10,143 |
| | TOTALS | | | | 576,102 | 536,880 | 124 | 19,327 | 26 | 10,254 |
| 2019 | Chlorofluorocarbons (CFCs) | AI | 3 | 154,216 | 152,423 | 0 | 1,780 | 0 | 121 | |
| | Halons | AII | 3 | 1,306 | 1,126 | 0 | 180 | 0 | 0 | |
| | Carbon Tetrachloride (CTC) | BII | 12 | 330,460 | 305,803 | 157 | 12,883 | 0 | 12,867 | |
| | Methyl Chloroform (TCA) | BIII | 3 | 84,033 | 83,817 | 0 | | | 592 | |
| | Hydrobromofluorocarbons | CII | 3 | 3 | 2 | 0 | 1 | 0 | | |
| | Bromochloromethane (BCM) | CIII | 3 | 1,729 | 1,001 | 0 | 912 | 0 | 1 | |
| | Methyl Bromide (MB) | EI | 5 | 12,219 | 3,338 | 0 | 130 | 91 | 31 | 8,724 |
| | TOTALS | | | | 583,966 | 547,510 | 157 | 15,886 | 91 | 13,611 |

Annex XIII: Reported Feedstock uses of controlled substances in tonnes

| Annex Year | 2009 tonnes | 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 |
|--------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| AI | 208,835 | 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 |
| AII | 758 | 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 |
| BI | 0 | 24 | 0 | | | | | 0 | | | | | | | |
| BII | 144,728 | 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 |
| BIII | 99,274 | 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 |
| CI | 393,926 | 536,674 | 656,586 | 647,750 | 686,309 | 712,232 | 693,498 | 734,758 | 826,363 | 905,428 | 923,510 | 922,794 | 1,119,740 | 1,273,447 | 1,324,298 |
| CII | 59 | 29 | 72 | 78 | 66 | 112 | 129 | 126 | 63 | 2 | 4 | 4 | 2 | 3 | 18 |
| CIII | 1,170 | 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 |
| EI | 7,326 | 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 |
| F | | | 3,914 | 5,822 | 4,438 | | | | | 0 | 5,575 | 82,416 | 106,878 | 112,833 | 183,525 |
| TOTAL | 856,075 | 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 | 1,489,884 | 1,560,060 | 1,862,049 | 2,055,967 | 2,140,563 |

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 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AI | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 6 | 6 | 6 | 6 |
| AII | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| BI | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BII | 12 | 11 | 10 | 10 | 11 | 11 | 12 | 12 | 12 | 10 | 8 | 9 | 9 | 10 | 8 |
| BIII | 4 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| CI | 15 | 13 | 13 | 12 | 14 | 15 | 14 | 14 | 12 | 11 | 11 | 12 | 13 | 12 | 13 |
| CII | 5 | 4 | 4 | 6 | 6 | 7 | 6 | 5 | 4 | 5 | 6 | 5 | 4 | 5 | 6 |
| CIII | 4 | 5 | 4 | 3 | 5 | 5 | 4 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 |
| EI | 9 | 8 | 8 | 8 | 10 | 6 | 8 | 6 | 5 | 6 | 6 | 6 | 5 | 5 | 6 |
| F | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 5 | 4 | 6 |
| TOTAL* | 19 | 18 | 18 | 18 | 19 | 20 | 20 | 18 | 18 | 17 | 16 | 14 | 16 | 15 | 17 |

* 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 | 2009 t | 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 |
|----------------------------------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Argentina | 38.8 | 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 |
| Australia | 502.3 | 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 |
| Bahrain | 2.5 | 4.9 | 4.9 | | 1.0 | 4.0 | 0.5 | 8.3 | | | 7.5 | 13.7 | 11.4 | 13.1 | 1.8 |
| Barbados | 0.2 | | | 0.2 | | | | | | | 0.1 | | | | 0.1 |
| Belarus | | | | | | | | | | | | | | | |
| Belize | 0.1 | 0.1 | | 0.1 | | | | | | | | | | | |
| Bolivia (Plurinational State of) | | | | | | | | | | | | | | | |
| Brazil | 56.4 | 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 |
| Cameroon | 21.0 | 21.0 | 23.0 | 23.0 | 35.0 | 20.0 | | | | | | | | | |
| Canada | 16.9 | 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 |
| Chile | 25.9 | 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 |
| China | 1,073.4 | 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 |
| Costa Rica | 1.6 | 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 |
| Côte d'Ivoire | | 7.0 | | | 5.0 | | 5.0 | | | | | | | | |
| Cuba | 0.5 | 0.5 | 1.5 | | | | | | | | | | | | |
| Dominican Republic | 8.0 | 25.2 | 25.7 | 29.4 | 30.0 | 20.7 | 30.0 | 18.0 | 19.7 | 22.0 | 18.0 | | 15.0 | 15.0 | |
| Ecuador | | | | | | | | | | | | | | | |
| Egypt | 379.0 | 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 |
| El Salvador | 70.2 | 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 |
| Eswatini | 0.3 | 0.3 | 0.4 | 0.2 | 0.2 | 0.2 | | | | | | | | | |
| Ethiopia | | | | | | | | | | | 11.9 | 20.9 | 12.9 | | 12.9 |
| European Union | 52.7 | | | | | | | | | | | | | | |
| Fiji | 6.4 | 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 |
| Georgia | 2.0 | 1.5 | 0.8 | | | | | | | | | | | | |
| Guatemala | 26.6 | 16.0 | 46.9 | 37.0 | 24.0 | 47.7 | 46.5 | 20.0 | 24.3 | | 10.0 | 10.0 | 23.0 | | |
| Guyana | | | | | | | | | | 1.0 | | | | | |
| Honduras | 11.8 | 11.8 | 9.3 | 21.4 | 18.2 | 22.8 | 23.1 | 29.7 | 32.0 | 33.5 | 31.2 | 52.9 | 24.0 | 12.0 | 17.2 |
| India | 540.3 | 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 |
| Indonesia | 288.0 | 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 |
| Iran (Islamic Republic of) | 30.0 | 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 | 7.9 | 8.5 | 12.0 | 10.4 | 13.2 | 14.0 | 12.0 | 10.4 | 10.6 | | | 8.4 | 9.1 | 10.0 | 11.9 |
| Jamaica | 2.0 | 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 | 697.3 | 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 |
| Jordan | 10.0 | 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 | 65.0 | 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 |
| Mauritius | | | | | | | | | | | | | | | |
| Mexico | 458.0 | 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 |
| Morocco | 10.0 | 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 |
| 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 |
| New Zealand | 269.6 | 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 |
| Nicaragua | 22.5 | 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 |

| Party | 2009 t | 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 |
|--------------------------------|----------------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|
| Nigeria | | | | | | | | | | | 4.5 | | 10.0 | 12.5 | 15.0 |
| Norway | 0.0 | 0.0 | | | | | | | | | | | | | |
| Oman | | | 2.0 | | | | | | | | | | | | |
| Pakistan | 30.0 | 24.0 | | 24.0 | | 40.0 | 67.7 | 102.2 | 178.0 | 458.5 | 224.0 | 224.0 | 368.0 | 560.5 | 468.5 |
| Panama | | | | | | | | | | | | | | | |
| Papua New Guinea | 15.0 | 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 | |
| Philippines | 48.0 | 72.2 | 54.5 | 48.0 | 31.0 | 37.6 | 57.8 | 23.8 | 23.8 | 26.1 | 34.3 | 16.3 | 40.9 | 58.8 | 24.5 |
| Qatar | 5.0 | | 3.0 | | | | | | | | | | | | |
| Republic of Korea | 708.0 | 574.1 | 639.0 | 445.3 | 542.1 | 432.3 | 265.8 | 630.4 | 449.2 | 480.9 | 448.4 | 321.7 | 379.7 | | 0.0 |
| Russian Federation | | | | | | | | | | | | | | | |
| Saint Kitts and Nevis | 0.0 | | | | | | | | | | | | | | |
| Samoa | 0.3 | 0.3 | | | | 1.0 | | | | | | | | | |
| Saudi Arabia | 10.0 | 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 | |
| Sierra Leone | | | | | | | | | | | | | | | |
| Singapore | 165.5 | 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 |
| Solomon Islands | 1.2 | 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 |
| Sri Lanka | 18.6 | 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 |
| Suriname | | | | | | | | | 1.0 | 1.0 | 5.4 | 12.5 | | | |
| Syrian Arab Republic | | 10.0 | 21.6 | | | | | | | | | | 5.0 | 5.0 | 5.0 |
| Tajikistan | 1.7 | 1.4 | | | | | | | | | | | | | |
| Thailand | 465.2 | 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 |
| Trinidad and Tobago | 1.5 | 1.6 | 1.5 | 1.0 | 2.0 | 1.1 | 1.0 | 0.7 | | | | | | | |
| Türkiye | 27.0 | 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 |
| Turkmenistan | 5.2 | 15.2 | | 40.0 | | 20.0 | | 20.0 | | | | | 20.0 | | |
| Ukraine | | | | | 16.0 | | | | | | | | | | |
| United Arab Emirates | 47.2 | 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 |
| United States of America | 2,099.4 | 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 | 857.4 | 1,688.8 | 2,494.1 | 1,277.8 | 1,649.3 |
| Uruguay | 43.0 | 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 |
| Uzbekistan | | 16.0 | | | | | | | 16.0 | | 10.0 | 10.0 | 15.6 | 3.0 | 15.6 |
| Vanuatu | 0.6 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.8 | 0.6 | | | 0.6 | |
| Viet Nam | 739.0 | 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 |
| Zimbabwe | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | | | | | | | | |
| TOTAL (tonnes) | 9,129.6 | 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 | 8,964.8 | 9,510.8 | 10,486.9 | 7,558.7 | 7,664.7 |
| Total number of Parties | 56 | 56 | 55 | 50 | 53 | 50 | 46 | 46 | 45 | 41 | 47 | 44 | 46 | 44 | 42 |

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

| Party | 2009 t | 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 |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Australia | 331.5 | 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 |
| 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 |
| Brazil | | 16.5 | | | | | | | | | | | | | |
| Cameroon | 1.5 | 6.0 | 8.0 | 11.0 | | | | | | | | | | | |
| Canada | 0.0 | | | | | | | | | | | | | | |
| 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 |
| 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 |
| Cuba | | | | | | | 0.5 | 0.5 | | | 0.1 | 1.3 | 0.2 | 0.1 | 0.5 |
| Czechia | 229.7 | 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 |
| 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 |
| 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 | 133.8 | 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 |
| France | 5,154.7 | 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 |
| Georgia | | | | | | 1.5 | | | | | | | | | |
| Germany | 3,635.1 | 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 |
| Hungary | 13.9 | 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 |
| India | | | | 16.3 | 19.8 | | 34.1 | | | | | 0.2 | 528.6 | 1,046.3 | 512.1 |
| 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 |
| Malaysia | | | | | | | | 4.9 | | 1.5 | 0.7 | 2.2 | 0.1 | 1.4 | 6.6 |
| Mexico | | | | | | 3.0 | 62.9 | 39.1 | | | | | | 80.6 | 65.3 |
| Netherlands (Kingdom of the) | 108.7 | 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 |
| Nigeria | | | | | | | | | | 1.5 | | | | | |
| Norway | 24.7 | 0.4 | 1.2 | | | | | | | | | | | | |
| Poland | 27.8 | 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 |
| Republic of Korea | 3,180.3 | 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 |
| Romania | 6,092.4 | 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 | |
| Russian Federation | | | | | | | | 230.0 | | 0.3 | | | 200.0 | 467.0 | 509.6 |
| Slovakia | 1.3 | 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 |
| Spain | 1,839.0 | | 1.0 | | | 1.4 | | | | | | | 290.7 | 202.9 | 330.6 |
| Sweden | 0.1 | 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 |
| Switzerland | | | | | | | | | | | | | 0.6 | | |
| Türkiye | | | | | | | | | | | | | | 1.8 | 3.3 |
| 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 |
| United States of America | 5,682.8 | 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 | 2,489.8 | 2,439.0 | 3,703.8 |
| Viet Nam | | | | | | | | 0.1 | | | | | | | |
| TOTAL (t) | 26,457.3 | 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 | 14,252.9 | 17,787.2 | 15,709.6 |
| Total Number of Parties | 17 | 17 | 21 | 23 | 19 | 24 | 23 | 26 | 21 | 24 | 24 | 26 | 27 | 28 | 28 |
| European Union | 14,496.4 | 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 |

* 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.