

# Montreal Protocol on Substances that Deplete the Ozone Layer

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## Thirty-Eighth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer

Kigali, 2–6 November 2026

Item 10 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-seventh meeting

Kigali, 30 and 31 October 2026

Items 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 Ozone Secretariat pursuant to Articles 7 and 9 of the Protocol and related decisions of the Meetings of the Parties to the Montreal Protocol. The main issues addressed in the report are summarized in table 1 for the convenience of 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–III present reference information that has been updated, where applicable, to reflect the most recent two years under consideration (2024 and 2025 for the present report), while annexes IV–XVI present data and information submitted through or derived from Article 7 reporting by the parties.

\* UNEP/OzL.Pro.38/1.

\*\* UNEP/OzL.Pro/ImpCom/77/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"> <li>• In April 2026, Lithuania submitted a new report covering the biennium 2020–2021 (see para. 4).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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"> <li>• Data reporting for 2025: <ul style="list-style-type: none"> <li>○ To date, 136 out of 198 parties have reported (see table 2);</li> <li>○ A total of 97 parties have submitted data using the online reporting system.</li> </ul> </li> <li>• Data reporting for 2024: <ul style="list-style-type: none"> <li>○ 197 parties have reported (see table 2);</li> <li>○ A total of 128 parties submitted data using the online reporting system.</li> </ul> </li> <li>• Six parties that recently ratified the Kigali Amendment to the Protocol are yet to report their HFC baseline data (see table 3).</li> </ul>                                                                                                                                                              |
| C. Status of compliance with the control measures for 2024                                                                                                     | <ul style="list-style-type: none"> <li>• Eight cases of possible non-compliance that were not addressed in 2025 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-fifth meeting of the Committee (see table 4): <ul style="list-style-type: none"> <li>○ Five of the parties corrected their previously submitted information, confirming that they were in compliance with the control measures for 2024;</li> <li>○ Two of the parties have yet to provide clarifications regarding their excess consumption of HFCs;</li> <li>○ Consideration of one case of possible non-compliance was deferred in accordance with decision XXXV/16.</li> </ul> </li> </ul> |
| D. Status of compliance with the control measures for 2025 by parties not operating under paragraph 1 of Article 5 (non-Article 5 parties)                     | <ul style="list-style-type: none"> <li>• To date, two non-Article 5 parties have submitted data for 2025 that show deviations from the control measures for 2025. <ul style="list-style-type: none"> <li>○ One case relates to exempted uses;</li> <li>○ The other case falls under the provisions of decisions XVIII/17 and XXII/20 (see tables 5 and 6).</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| E. Status of compliance with the control measures for 2025 by Article 5 parties                                                                                | <ul style="list-style-type: none"> <li>• To date, six parties operating under paragraph 1 of Article 5 (Article 5 parties) have submitted data for 2025 that show deviations from the control measures for 2025. <ul style="list-style-type: none"> <li>○ All five have yet to provide clarifications regarding their excess consumption (see table 7).</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| F. Accounting for exemptions granted for 2025 for critical uses                                                                                                | <ul style="list-style-type: none"> <li>• The only party with a critical-use exemption for 2025 has submitted its accounting report (see table 8).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| G. Reporting of exports and their destination countries (decisions XVII/16 and XXX/12)                                                                         | <ul style="list-style-type: none"> <li>• A total of 52 parties reported exports in 2024; 44 included either partial or complete information on destination countries, with the destination specified for 99 per cent of all exports reported (by weight) (see table 9).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| H. Reporting of imports and their source countries (decisions XXIV/12 and XXX/12)                                                                              | <ul style="list-style-type: none"> <li>• A total of 167 parties reported imports in 2024; 96 included information on source countries, with the source specified for 72 per cent of all imports reported (by weight) (see table 10).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| I. Consolidated record of cases of excess calculated production and consumption attributable to stockpiling for 2024 and 2025 (decisions XVIII/17 and XXII/20) | <ul style="list-style-type: none"> <li>• Four parties reported five cases of excess calculated production or consumption in 2024 attributable to stockpiling (see annex XI).</li> <li>• To date, one case has been reported for 2025.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| <i>Subsection/issue</i>                                                                                                | <i>Status</i>                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| J. Reporting of process-agent uses for 2024 and 2025 (decisions X/14, XXI/3, XXXI/6 and XXXII/5)                       | <ul style="list-style-type: none"> <li>All parties that are required to report on process-agent uses have reported for 2024 (see para. 26).</li> <li>Two have reported for 2025 (see table 11).</li> </ul>                                                                                                      |
| K. Reported production of phased-out controlled substances                                                             | <ul style="list-style-type: none"> <li>Total reported production of phased-out controlled substances was almost 596,000 metric tons in 2024, with chlorofluorocarbons (CFCs), carbon tetrachloride and methyl chloroform accounting for 97 per cent of the total reported production (see table 12).</li> </ul> |
| L. Reported feedstock use of controlled substances                                                                     | <ul style="list-style-type: none"> <li>A total of 20 parties reported the use of approximately 2.2 million metric tons of controlled substances for feedstock applications in 2024 (see figures 2 and 3).</li> </ul>                                                                                            |
| M. Reported quarantine and pre-shipment use of methyl bromide                                                          | <ul style="list-style-type: none"> <li>A total of 39 parties reported the use of approximately 8,000 metric tons of methyl bromide for quarantine and pre-shipment applications in 2024 (see figure 4).</li> </ul>                                                                                              |
| N. Reported destruction of controlled substances                                                                       | <ul style="list-style-type: none"> <li>A total of 27 parties reported the destruction of approximately 18,000 metric tons of controlled substances in 2024 (see figure 5).</li> </ul>                                                                                                                           |
| O. Responses 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"> <li>For 2024, eight parties submitted data forms with blank cells (see table 13). <ul style="list-style-type: none"> <li>All of those have either clarified that the blank cells represented zeros or submitted different forms.</li> </ul> </li> </ul>                      |
| P. Revision of hydrofluorocarbon baseline data (decisions XIII/15 and XV/19)                                           | <ul style="list-style-type: none"> <li>Four parties have submitted requests for the revision of their HFC baseline data (see tables 14 and 15).</li> </ul>                                                                                                                                                      |

## II. Information provided by parties

### A. Reporting pursuant to Article 9 of the Protocol

4. In April 2026, the Secretariat received new submissions pursuant to Article 9 from Lithuania, covering the bienniums 2012–2013, 2014–2015, 2016–2017 and 2020–2021.<sup>1</sup> Only the submission covering the biennium 2020–2021 represents new information, the other submissions being resubmissions of information from previous years.

### B. Status of compliance with the requirement to report annual data and hydrofluorocarbon baseline data (Article 7, paras. 2, 3, 3 *bis* and 3 *ter*)

5. Table 2 shows statistics on the reporting of Article 7 data<sup>2</sup> for recent years. For the period 1986–2023, all parties have reported data for all years. For 2024, all parties except Armenia have reported data, including the Comoros, Iceland and Sao Tome and Principe, the other parties listed in decision XXXVII/8 as having outstanding data under paragraph 3 of Article 7.

<sup>1</sup> 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 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 (UNEP/OzL.Pro/ImpCom/29/3, para. 39).

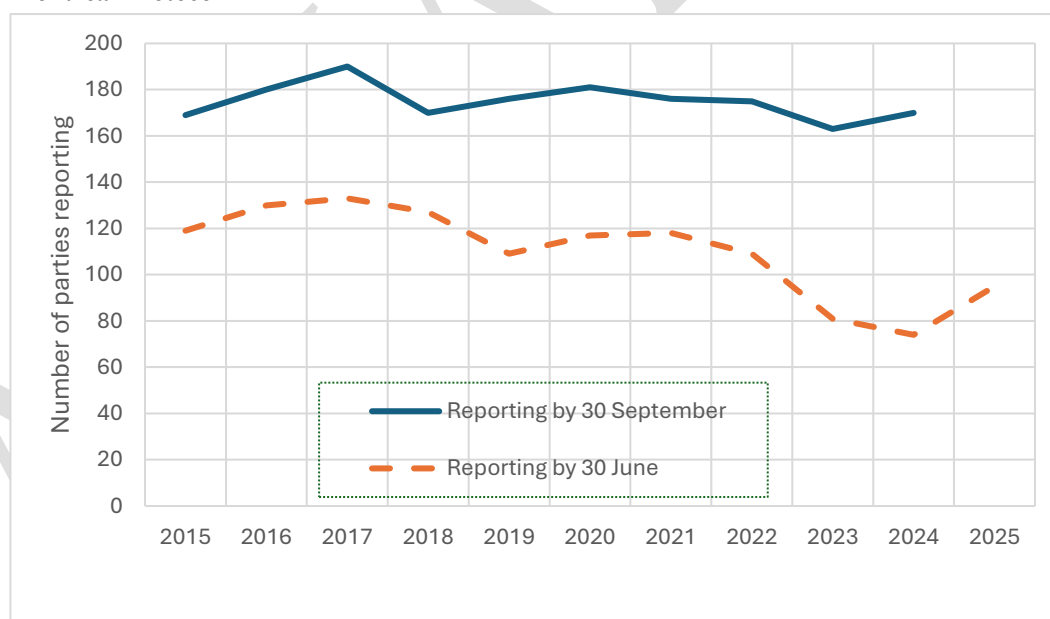
<sup>2</sup> In accordance with paragraph 3 of Article 7 of the Montreal Protocol, each party is required to provide to the Secretariat statistical data on its annual production of each of the controlled substances listed in Annexes A, B, C, E and F of the Protocol and, separately for each substance, 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 during which 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 were encouraged to submit those data to the Secretariat by 30 June.

Table 2  
Number of parties that have reported Article 7 data, 2016–2025

|      | <i>Number of parties required to report</i> | <i>Number of parties that have reported to date</i> |                        |                   |               |                  |                      | <i>Number 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> |                                        |
| 2025 | 198                                         | 136                                                 | n/a                    | 95                | 97            | 103              | 33                   | 62                                     |
| 2024 | 198                                         | 197                                                 | 170                    | 74                | 128           | 146              | 51                   | 1                                      |
| 2023 | 198                                         | 198                                                 | 163                    | 81                | 115           | 147              | 51                   | –                                      |
| 2022 | 198                                         | 198                                                 | 175                    | 109               | 117           | 147              | 51                   | –                                      |
| 2021 | 198                                         | 198                                                 | 176                    | 118               | 112           | 147              | 51                   | –                                      |
| 2020 | 198                                         | 198                                                 | 181                    | 117               | 105           | 147              | 51                   | –                                      |
| 2019 | 198                                         | 198                                                 | 176                    | 109               | 105           | 147              | 51                   | –                                      |
| 2018 | 197                                         | 197                                                 | 170                    | 127               | 17            | 147              | 50                   | –                                      |
| 2017 | 197                                         | 197                                                 | 190                    | 133               | 7             | 147              | 50                   | –                                      |
| 2016 | 197                                         | 197                                                 | 180                    | 130               | 4             | 147              | 50                   | –                                      |

6. 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



7. Table 3 shows parties that recently ratified the Kigali Amendment to the Montreal Protocol and are required to submit HFC baseline data but have not yet done so. The Secretariat has contacted the parties whose deadlines have passed to remind them that the data are due.

Table 3

**Parties that have ratified the Kigali Amendment to the Montreal Protocol and are yet to submit HFC baseline data**

| <i>Party</i>                | <i>Ratification date for KA</i> | <i>Entry into force of KA</i> | <i>Baseline years with outstanding HFC data*</i> | <i>Date by which HFC baseline data are required</i> |
|-----------------------------|---------------------------------|-------------------------------|--------------------------------------------------|-----------------------------------------------------|
| 1. Azerbaijan               | 24 Nov. 2025                    | 22 Feb. 2026                  | 2011, 2012, 2013                                 | 22 May 2026                                         |
| 2. Central African Republic | 15 Oct. 2025                    | 13 Jan. 2026                  | 2020, 2021, 2022                                 | 13 April 2026                                       |
| 3. Madagascar               | 10 Aug. 2026                    | 8 Nov. 2026                   | 2020, 2021, 2022                                 | 8 Feb. 2027                                         |
| 4. Mauritania               | 11 Nov. 2025                    | 9 Feb. 2026                   | 2020, 2021, 2022                                 | 9 May 2026                                          |
| 5. Nepal                    | 6 Aug. 2025                     | 4 Nov. 2025                   | 2020, 2021, 2022                                 | 4 Feb. 2026                                         |
| 6. Saint Kitts and Nevis    | 29 Aug. 2025                    | 27 Nov. 2025                  | 2020, 2021, 2022                                 | 27 Feb. 2026                                        |

*Abbreviations:* HFC – hydrofluorocarbon; KA – Kigali Amendment.

\* Only years not subject to the deferral provided for under decision XXX/11 are included in the table.

8. 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 2025, 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 2024, 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 2024 and 2025, 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 2024 and 2025, broken down by classification of parties as either Article 5 or non-Article 5 parties.
9. Detailed or summary information on trade in recovered controlled substances<sup>3</sup> 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 2024 and 2025, 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 2024 and 2025, grouped by classification as either Article 5 or non-Article 5 parties.
10. 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.

### C. Status of compliance with the control measures for 2024

11. Table 4 lists the cases of calculated consumption of controlled substances exceeding the prescribed limits for 2024 that were not considered by the Implementation Committee at its seventy-sixth meeting or by the Thirty-Seventh Meeting of the Parties because some or all of the required information had not been received in time or because information on 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-sixth meeting. The last column of the table provides explanations or comments as appropriate.

<sup>3</sup> 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.

Table 4

**Cases of calculated consumption exceeding the amount permitted by the reduction schedules under the Protocol for 2024, with associated explanations**

| Party          | Annex/<br>group <sup>a</sup> | Consumption in ODP-t for Annex E/I and<br>in CO <sub>2</sub> -equivalent tonnes for Annex F |                           |                     | Explanation or comment                                                                                                                                                                  |
|----------------|------------------------------|---------------------------------------------------------------------------------------------|---------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                              | Baseline                                                                                    | 2024<br>Protocol<br>limit | 2024<br>consumption |                                                                                                                                                                                         |
| 1. Cabo Verde  | F                            | 38 791                                                                                      | 38 791                    | 108 546             | Clarification pending                                                                                                                                                                   |
| 2. Eritrea     | F                            | 169 249                                                                                     | 169 249                   | 169 245             | Previously reported consumption for 2024 of 169,266 CO <sub>2</sub> -equivalent tonnes was corrected in accordance with paragraph 3 of decision VI/5                                    |
| 3. Guinea      | F                            | 1 798 954                                                                                   | 1 798 954                 | 1 836 016           | Clarification pending                                                                                                                                                                   |
| 4. Mozambique  | F                            | 655 255                                                                                     | 655 255                   | 652 110             | Previously reported consumption for 2024 of 1,184,182 CO <sub>2</sub> -equivalent tonnes was corrected in accordance with paragraph 3 of decision VI/5                                  |
| 5. Namibia     | F                            | 774 924                                                                                     | 774 924                   | 600 368             | Previously reported consumption for 2024 of 916,622 CO <sub>2</sub> -equivalent tonnes was corrected in accordance with paragraph 3 of decision VI/5                                    |
| 6. Saint Lucia | F                            | 83 735                                                                                      | 83 735                    | 104 747             | Consideration of compliance status deferred in accordance with decision XXXV/16                                                                                                         |
| 7. Sri Lanka   | E/I                          | 4.1                                                                                         | 0.0                       | 0.0                 | Previously reported consumption for 2024 of 34 ODP-tonnes was corrected in accordance with paragraph 3 of decision VI/5 and confirmed to have been for quarantine and pre-shipment uses |
| 8. Uganda      | F                            | 39 432                                                                                      | 39 432                    | 35 728              | Previously reported consumption for 2024 of 94,318 CO <sub>2</sub> -equivalent tonnes was corrected in accordance with paragraph 3 of decision VI/5                                     |

Abbreviations: CO<sub>2</sub>-equivalent tonnes – carbon-dioxide-equivalent tonnes; ODP-t – ozone-depleting-potential tonnes.

<sup>a</sup> The E/I substance is methyl bromide, and F substances are HFCs.

#### **D. Status of compliance with the control measures for 2025 by non-Article 5 parties**

12. Table 5 lists all the cases reported to date of consumption of controlled substances exceeding the prescribed limits for 2025 for non-Article 5 parties, together with explanations or clarifications provided either by the Secretariat or by the party, as appropriate.

Table 5

**Cases of consumption exceeding the amount permitted by the reduction schedules under the Protocol for 2025 for non-Article 5 parties and associated explanations**

| Party | Annex/<br>group <sup>a</sup> | Consumption in ODP-t |                        |                     | Explanation or comment         |
|-------|------------------------------|----------------------|------------------------|---------------------|--------------------------------|
|       |                              | Baseline             | 2025<br>Protocol limit | 2025<br>consumption |                                |
| Japan | B/II                         | 74 879.2             | 0.0                    | 7.9                 | Laboratory and analytical uses |

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

<sup>a</sup> The B/II substance is carbon tetrachloride.

13. Table 6 lists all the cases reported to date of calculated production of controlled substances exceeding the prescribed limits for 2025 for non-Article 5 parties, together with explanations or clarifications provided either by the Secretariat or by the party, as appropriate.

Table 6

**Cases of calculated production exceeding the amount permitted by the reduction schedules under the Protocol for 2025 for non-Article 5 parties and associated explanations**

| Party                           | Annex/<br>group <sup>a</sup> | Baseline | Production in ODP-t       |                                  | Explanation or comment                                                                                                 |
|---------------------------------|------------------------------|----------|---------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
|                                 |                              |          | 2025<br>Protocol<br>limit | 2025<br>calculated<br>production |                                                                                                                        |
| Japan                           | B/II                         | 19 602.0 | 0.0                       | 7.9                              | Laboratory and analytical uses                                                                                         |
| Netherlands<br>(Kingdom of the) | B/II                         | 0.0      | 0.0                       | 1.6                              | Unintentional by-product: stockpiled for destruction in a future year (scenario (a) of decisions XVIII/17 and XXII/20) |

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

<sup>a</sup> The B/II substance is carbon tetrachloride.

14. As tables 5 and 6 indicate, to date, two non-Article 5 parties have reported consumption and/or production of controlled substances exceeding the prescribed limits for 2025. One of the deviations is for exempted uses and the other case falls under the provisions of decisions XVIII/17 and XXII/20. Consequently, neither case requires consideration by the Committee.

## E. Status of compliance with the control measures for 2025 by Article 5 parties

15. Table 7 lists all the cases reported to date of consumption of controlled substances exceeding the prescribed limits for 2025 for Article 5 parties.

Table 7

**Cases of consumption exceeding the amount permitted by the reduction schedules under the Protocol for 2025 for Article 5 parties**

| Party                | Annex/<br>group <sup>a</sup> | Baseline | Consumption in ODP-tonnes |                     | Explanation or<br>comment |
|----------------------|------------------------------|----------|---------------------------|---------------------|---------------------------|
|                      |                              |          | 2025<br>Protocol<br>limit | 2025<br>consumption |                           |
| 1. Argentina         | E/I                          | 411.3    | 0.0                       | 19.2                | Clarification pending     |
| 2. Congo             | C/I                          | 10.14    | 3.30                      | 3.58                | Clarification pending     |
| 3. Equatorial Guinea | C/I                          | 6.31     | 2.05                      | 4.63                | Clarification pending     |
| 4. Mali              | F                            | 399 935  | 399 935                   | 1 571 571           | Clarification pending     |
| 5. Mongolia          | F                            | 57 309   | 57 309                    | 67 925              | Clarification pending     |
| 6. Samoa             | F                            | 20 557   | 20 557                    | 28 660              | Clarification pending     |

Abbreviation: ODP – ozone-depleting potential.

<sup>a</sup> C/I substances are hydrochlorofluorocarbons, the E/I substance is methyl bromide, and F substances are HFCs.

## F. Accounting for exemptions granted for 2025 for critical uses

16. Only one party was granted a critical-use exemption for 2025. Table 8 summarizes the information on the exemption and the notification, including the status of submission of the corresponding accounting report, in accordance with decisions Ex.I/4 (para. 9 (f)) and XVI/6.<sup>4</sup>

Table 8

**Critical-use exemptions granted to parties and emergency-use notification for the use of methyl bromide in 2025**

| Party  | Exempted/notified amount<br>(metric tons) | Decision | Status of submission of<br>accounting report |
|--------|-------------------------------------------|----------|----------------------------------------------|
| Canada | 2.85                                      | XXXVI/8  | Submitted                                    |

<sup>4</sup> 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.

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

17. Table 9 summarizes information on the quantity of exports<sup>5</sup> reported by parties from 2012 to 2024 and the number of parties reporting such exports, together with information on the specification of destination countries.

Table 9

### 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 |                                                             |
| 2024 | 642 927                      | 636 513                                       | 99.0                                         | 52                                  | 44                                                      | 8                                   | 161                                                         |
| 2023 | 688 938                      | 688 775                                       | 100.0 <sup>a</sup>                           | 44                                  | 40                                                      | 4                                   | 160                                                         |
| 2022 | 730 050                      | 729 359                                       | 99.9                                         | 41                                  | 37                                                      | 4                                   | 158                                                         |
| 2021 | 649 549                      | 602 921                                       | 92.8                                         | 41                                  | 36                                                      | 5                                   | 162                                                         |
| 2020 | 562 754                      | 539 027                                       | 95.8                                         | 37                                  | 32                                                      | 5                                   | 158                                                         |
| 2019 | 238 935                      | 209 320                                       | 87.6                                         | 38                                  | 30                                                      | 8                                   | 146                                                         |
| 2018 | 197 686                      | 168 350                                       | 85.2                                         | 32                                  | 28                                                      | 4                                   | 136                                                         |
| 2017 | 198 316                      | 196 311                                       | 99.0                                         | 28                                  | 28                                                      | 0                                   | 130                                                         |
| 2016 | 211 308                      | 209 747                                       | 99.3                                         | 32                                  | 31                                                      | 1                                   | 138                                                         |
| 2015 | 204 855                      | 203 687                                       | 99.4                                         | 28                                  | 28                                                      | 0                                   | 132                                                         |
| 2014 | 240 759                      | 236 808                                       | 98.4                                         | 30                                  | 29                                                      | 1                                   | 129                                                         |
| 2013 | 343 689                      | 240 315                                       | 69.9                                         | 31                                  | 30                                                      | 1                                   | 130                                                         |
| 2012 | 385 371                      | 278 457                                       | 72.3                                         | 35                                  | 31                                                      | 4                                   | 140                                                         |

<sup>a</sup> Rounded up from 99.98 per cent.

18. In May 2026, the Secretariat sent aggregated information covering the data reported for 2024 to the 161 parties identified as destination countries by exporting parties, in accordance with decision XVII/16.<sup>6</sup>

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

19. Table 10 presents information on the quantity of imports<sup>7</sup> reported by parties from 2012 to 2024 and the number of parties reporting such imports, together with information on the specification of source countries.

20. In April 2026, the Secretariat sent compiled information on imports for 2024 to 25 parties that had expressed to the Secretariat their interest in receiving the information, in accordance with decision XXIV/12.<sup>8</sup> 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 25 parties were among 71 parties that had been listed as exporting countries by importing parties in 2024 and to which the

<sup>5</sup> 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 of the exports reported by the European Union on behalf of its member States.

<sup>6</sup> 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.

<sup>7</sup> 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.

<sup>8</sup> 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 that information uniquely and solely to the exporting party concerned when requested.



Secretariat had sent letters inviting them to request the compiled information relevant to them if they were interested.

Table 10

**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 |                                                        |
| 2024 | 607 251                      | 435 750                                  | 72.0                                    | 167                                 | 96                                                 | 71                             | 71                                                     |
| 2023 | 627 903                      | 513 750                                  | 81.8                                    | 168                                 | 89                                                 | 79                             | 69                                                     |
| 2022 | 662 757                      | 431 207                                  | 65.4                                    | 168                                 | 91                                                 | 77                             | 66                                                     |
| 2021 | 537 246                      | 328 902                                  | 61.9                                    | 170                                 | 90                                                 | 80                             | 63                                                     |
| 2020 | 477 686                      | 277 921                                  | 58.7                                    | 168                                 | 82                                                 | 86                             | 58                                                     |
| 2019 | 429 575                      | 307 427                                  | 71.6                                    | 165                                 | 81                                                 | 84                             | 58                                                     |
| 2018 | 264 675                      | 146 115                                  | 55.2                                    | 161                                 | 59                                                 | 102                            | 42                                                     |
| 2017 | 191 089                      | 116 970                                  | 61.2                                    | 161                                 | 55                                                 | 106                            | 37                                                     |
| 2016 | 212 135                      | 135 930                                  | 64.1                                    | 162                                 | 57                                                 | 105                            | 43                                                     |
| 2015 | 213 206                      | 113 901                                  | 53.4                                    | 160                                 | 51                                                 | 109                            | 39                                                     |
| 2014 | 250 393                      | 148 825                                  | 59.0                                    | 164                                 | 46                                                 | 118                            | 35                                                     |
| 2013 | 418 609                      | 115 242                                  | 28.0                                    | 168                                 | 42                                                 | 126                            | 29                                                     |
| 2012 | 468 993                      | 146 829                                  | 31.0                                    | 169                                 | 32                                                 | 137                            | 36                                                     |

**I. Consolidated record of cases of excess calculated production and consumption attributable to stockpiling for 2024 and 2025 (decisions XVIII/17 and XXII/20)**

21. 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,<sup>9</sup> as reflected in annex XI to the present report.

22. For 2024, five cases were reported by four parties, namely the European Union, France, Israel and Spain. All four parties confirmed that they had the necessary measures and regulations in place to prevent the stockpiled substances from being diverted to unauthorized uses.

23. As at the date of the present report, one case had been reported for 2025 of excess calculated production attributable to stockpiling.

**J. Reporting of process-agent uses for 2024 and 2025 (decisions X/14, XXI/3, XXXI/6 and XXXII/5)**

24. 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.

25. 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. Information on the latest limits for process-agent uses can be found in table B of the annex to decision XXXI/6.<sup>10</sup>

<sup>9</sup> 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.

<sup>10</sup> Extract from table B, on limits for process-agent uses, of the annex to decision XXXI/6:

26. For 2024, all four of those parties have submitted the required information, which was reviewed by the Committee at its seventy-fourth and seventy-sixth meetings.

27. For 2025, to date, only two of the aforementioned parties have submitted their reports on process-agent uses. Table 11 presents the Secretariat's summarized review of the information submitted.

Table 11

**Review of the information reported on process-agent uses in 2025**

| <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                                      | No                                                           |

**K. Reported production of phased-out controlled substances**

28. Reported information on the production of phased-out controlled substances<sup>11</sup> is set out in annex XII to the present report.

29. Table 12 summarizes information for 2024 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.

Table 12

**Production of phased-out controlled substances in 2024**

(metric tons)

|                                               | <i>Annex/group<sup>a</sup></i> |              |                |               |             |              |               | <b>Total</b>   |
|-----------------------------------------------|--------------------------------|--------------|----------------|---------------|-------------|--------------|---------------|----------------|
|                                               | <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                   | 6                              | 4            | 14             | 3             | 3           | 3            | 6             | <b>15</b>      |
| <b>Total reported production for all uses</b> | <b>179 037</b>                 | <b>1 843</b> | <b>352 946</b> | <b>46 781</b> | <b>3</b>    | <b>3 254</b> | <b>12 106</b> | <b>595 970</b> |
| Production for own feedstock uses             | 178 988                        | 1 543        | 319 093        | 46 667        | 1           | 2 131        | 2 978         | <b>551 401</b> |
| Production for own essential or critical uses | –                              | –            | 96             | –             | –           | –            | –             | <b>96</b>      |
| Exported for feedstock uses                   | 3                              | 300          | 23 843         | –             | 1           | 1 086        | 61            | <b>25 294</b>  |
| Amounts destroyed by producers                | 395                            | 14           | 10 841         | 480           | –           | 15           | 7             | <b>11 751</b>  |
| Production for QPS uses <sup>b</sup>          | –                              | –            | –              | –             | –           | –            | 8 935         | <b>8 935</b>   |

*Abbreviation:* QPS – quarantine and pre-shipment.

<sup>a</sup> 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.

<sup>b</sup> Production for quarantine and pre-shipment uses comprises the amounts for use within the country and the amounts produced for export.

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

<sup>11</sup> 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.

30. Almost 596,000 metric tons were reported as production of phased-out substances in 2024, with CFCs, carbon tetrachloride and methyl chloroform accounting for 30 per cent, 59 per cent and 8 per cent of that production, respectively, for a total of 97 per cent. A total of 93 per cent of overall production was for feedstock uses, while all of the methyl bromide production was for quarantine and pre-shipment uses.

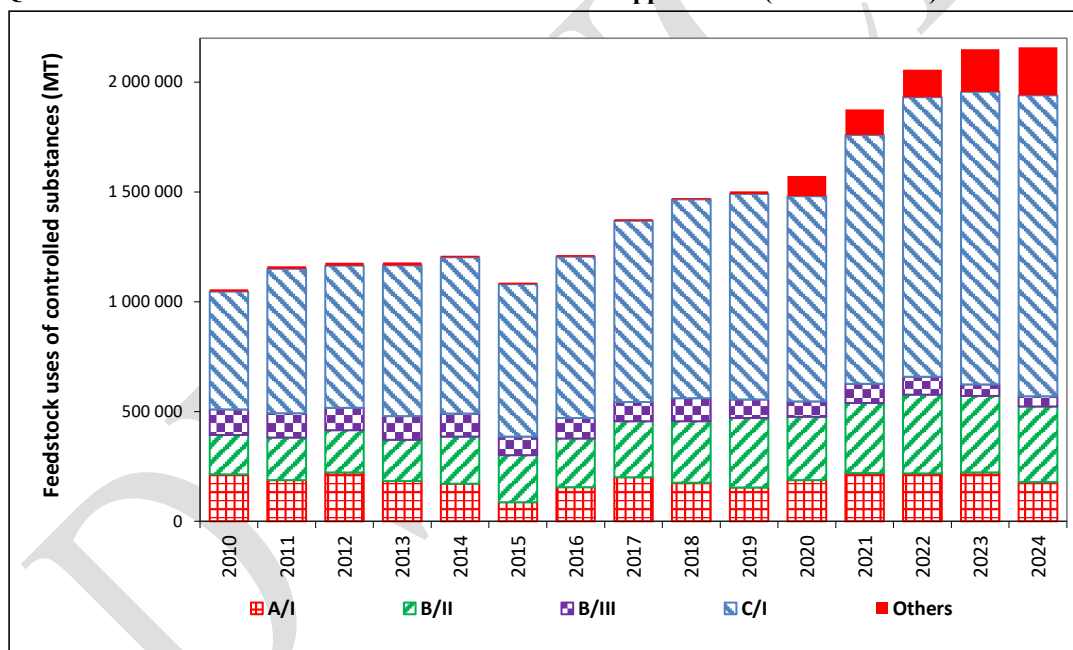
## L. Reported feedstock use of controlled substances

31. This subsection summarizes information on the amounts of controlled substances used for feedstock applications.<sup>12</sup> The reported information on amounts of controlled substances used for feedstock applications<sup>13</sup> 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.

32. Figure 2 presents the quantities of controlled substances used for feedstock applications by annex and group in the form of a bar chart, while figure 3 shows the number of parties reporting the use of controlled substances as feedstock.

Figure 2

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



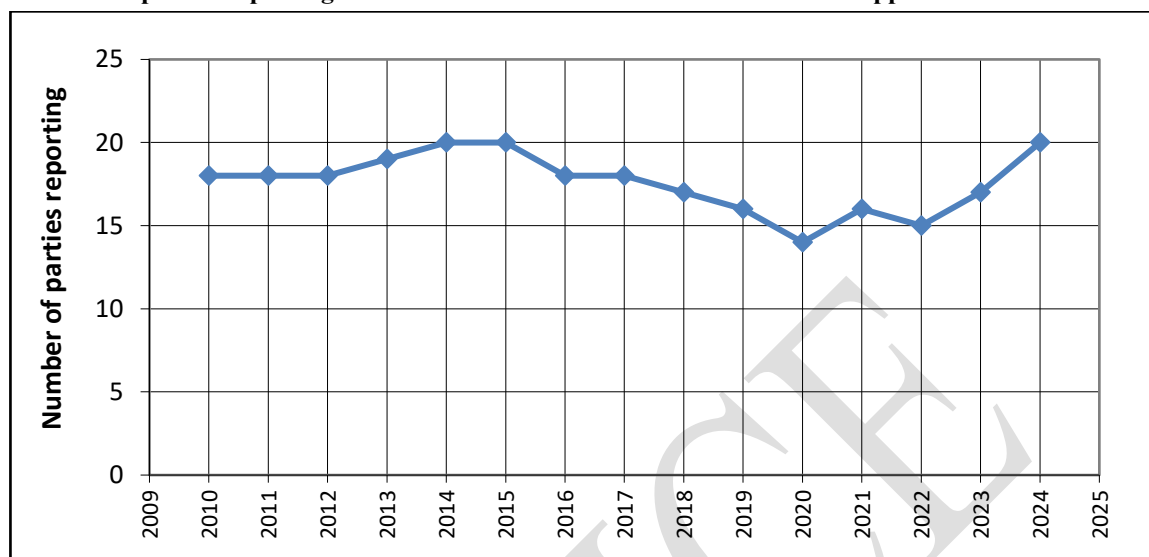
Note: The "Others" category includes substances listed in Annex A, group II; Annex B, group I; Annex C, group II; Annex C, group III; Annex E, group I; and Annex F.

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.

<sup>12</sup> 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.

<sup>13</sup> 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.

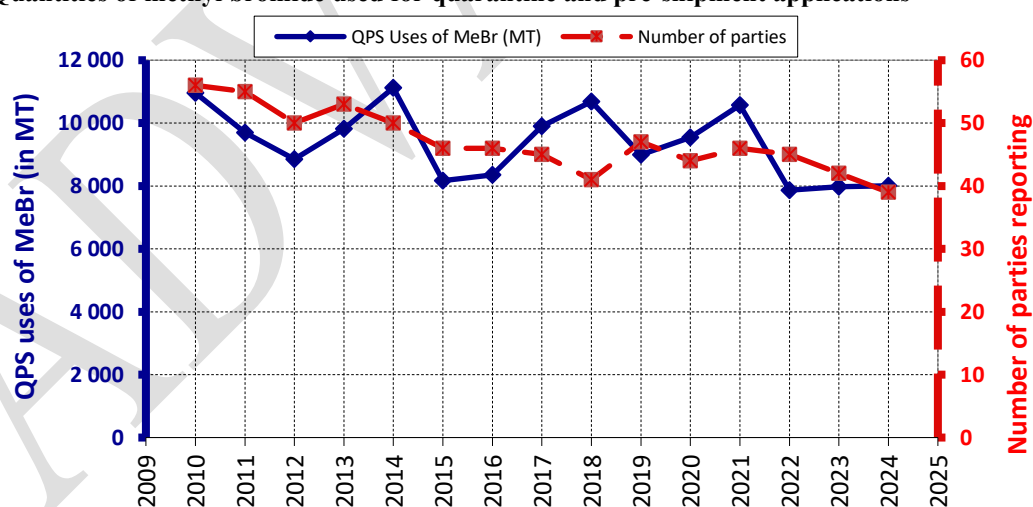
Figure 3

**Number of parties reporting the use of controlled substances for feedstock applications****M. Reported quarantine and pre-shipment use of methyl bromide**

33. To facilitate consideration of the issue of quarantine and pre-shipment use of methyl bromide,<sup>14</sup> annex XV to the present report 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.

34. Figure 4 shows the general trend in quarantine and pre-shipment uses of methyl bromide globally from 2010 to 2024.

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.

<sup>14</sup> 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, meaning that such amounts are excluded from the control measures.

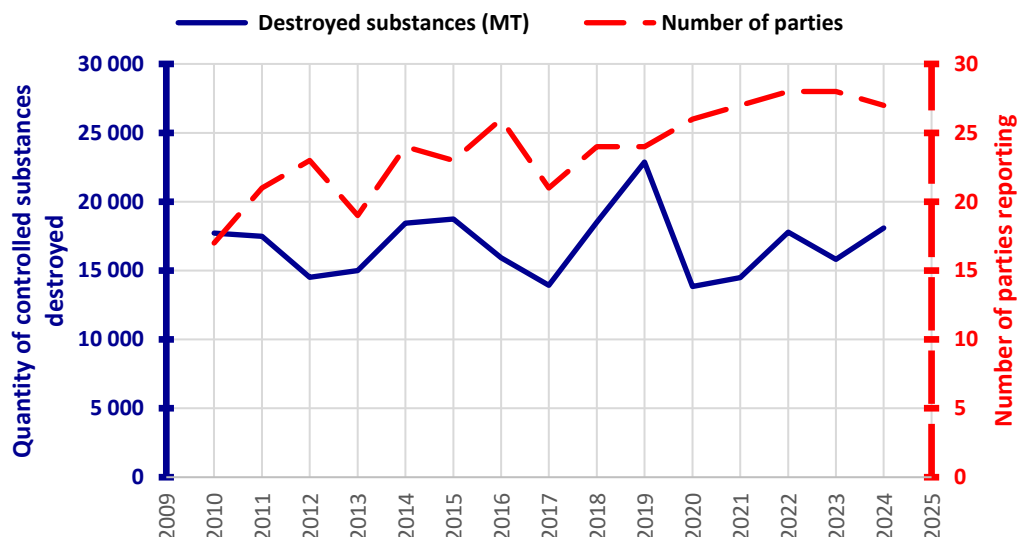
## N. Reported destruction of controlled substances

35. To facilitate consideration of the issue of destroyed controlled substances,<sup>15</sup> annex XVI contains a table showing non-zero data on the destruction of controlled substances reported by parties under Article 7. The annual data for each party are aggregated for all substances reported for the year and are presented in metric tons.

36. Figure 5 shows the total quantities of controlled substances destroyed globally from 2010 to 2024.

Figure 5

### Quantities of controlled substances destroyed



Abbreviation: MT – metric tons.

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

37. The present subsection summarizes information on the responses by parties to decisions XXIV/14, XXIX/18 and XXX/14.<sup>16</sup> Table 13 shows the number of parties that submitted Article 7 data, the means by which parties submitted data, and the number and percentage of parties that submitted forms with blank cells and that responded to follow-up requests from the Secretariat for clarification.

38. It should be noted that, as indicated in table 13, some parties use the online reporting system and others use the approved forms for reporting Article 7 data, while others do not use the Article 7 data reporting forms agreed upon 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

<sup>15</sup> 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 to the Protocol, which was adopted on 29 June 1990 and entered into force on 10 August 1992.

<sup>16</sup> 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.

reporting system or the approved Article 7 data reporting forms, updated most recently by decision XXXVI/12.

Table 13

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

| <i>Description of activity</i>                                                                                                                                                                                | <i>2020</i> | <i>2021</i> | <i>2022</i> | <i>2023</i> | <i>2024</i> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Reporting of annual data (number of parties)                                                                                                                                                                  | 198         | 198         | 198         | 198         | 197         |
| Submission of data using means other than the online reporting system or Article 7 data reporting forms (e.g. email, questionnaire, letter, annex to data form 1, country programme form) (number of parties) | 41          | 30          | 17          | 15          | 8           |
| Submission of Article 7 data using the online reporting system at least once (number of parties)                                                                                                              | 105         | 112         | 117         | 115         | 128         |
| Submission of Article 7 data using the data reporting forms but never using the online reporting system (number of parties)                                                                                   | 52          | 56          | 64          | 68          | 61          |
| Submission of Article 7 data reporting forms with blank cells (number of parties)                                                                                                                             | 15          | 16          | 9           | 15          | 8           |
| Submission of Article 7 data reporting forms with blank cells (percentage)                                                                                                                                    | 8           | 8           | 5           | 8           | 4           |
| Provision of clarification or different forms that superseded the incomplete forms (number of parties)                                                                                                        | 15          | 16          | 9           | 15          | 8           |
| Provision of clarification or different forms that superseded the incomplete forms (percentage)                                                                                                               | 100         | 100         | 100         | 100         | 100         |

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

39. The Implementation Committee, at its seventy-sixth meeting, considered four requests for the revision of HFC baseline data. Information relating to those requests is summarized in tables 14 and 15.

Table 14

**Request for the revision of hydrofluorocarbon baseline data recommended for approval by the Implementation Committee at its seventy-sixth meeting**

| <i>Party/year</i> | <i>Previous HFC data<br/>(CO<sub>2</sub>-equivalent tonnes)</i> |             |             | <i>Proposed new HFC data<br/>(CO<sub>2</sub>-equivalent tonnes)</i> |             |             |
|-------------------|-----------------------------------------------------------------|-------------|-------------|---------------------------------------------------------------------|-------------|-------------|
|                   | <i>2020</i>                                                     | <i>2021</i> | <i>2022</i> | <i>2020</i>                                                         | <i>2021</i> | <i>2022</i> |
| Belize            | 73 601                                                          | 1 137 903   | 121 648     | 74 940                                                              | 112 035     | 128 839     |

Table 15

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

| <i>Party/year</i> | <i>Previous HFC data<br/>(CO<sub>2</sub>-equivalent tonnes)</i> |             |             | <i>Proposed new HFC data<br/>(CO<sub>2</sub>-equivalent tonnes)</i> |             |             |
|-------------------|-----------------------------------------------------------------|-------------|-------------|---------------------------------------------------------------------|-------------|-------------|
|                   | <i>2020</i>                                                     | <i>2021</i> | <i>2022</i> | <i>2020</i>                                                         | <i>2021</i> | <i>2022</i> |
| Armenia           | 195 790                                                         | 317 041     | 465 778     | 526 204                                                             | 568 809     | 682 249     |
| Mali              | 81 130                                                          | 50 780      | 106 988     | 1 414 693                                                           | 1 079 923   | 1 026 175   |
| Somalia           | —                                                               | —           | 348 650     | —                                                                   | —           | 949 474     |

40. At the request of South Africa, the Implementation Committee agreed to defer consideration of the party's request for the revision of its HFC baseline data from its seventy-sixth meeting to its seventy-seventh meeting to allow the party additional time to review and confirm its data and supporting documentation.

41. Additional information relating to these requests, as well as any new requests for the revision of HFC baseline data received by the Secretariat, will be presented to the Implementation Committee for consideration.

### III. Annexes

42. Table 16 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 16  
**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 and its amendments                                                                                                            |
| III          | Control measures for 2024 and 2025 for all parties                                                                                                                                  |
| IV           | Calculated production and consumption of controlled substances: comparison of 2025 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 2024 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 2025 with baseline; and (b) comparison of 2024 with baseline                 |
| VII          | Calculated production, import and export of controlled substances – summary for all parties: (a) comparison of 2025 with baseline; and (b) comparison of 2024 with baseline         |
| VIII         | Reported imports and exports of new and recovered controlled substances: summary for all parties in (a) 2025 and (b) 2024                                                           |
| IX           | Reported imports and exports of recovered controlled substances in (a) 2025 and (b) 2024                                                                                            |
| 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 Ozone Secretariat calculates parties' production and consumption of substances controlled under the Montreal Protocol using the information on production, imports, exports and destruction reported by parties under Article 7 of the Protocol.
2. According to the definitions in paragraphs 5 and 6 of Article 1 of the Protocol, the formulas, in their most basic form, for calculating production and consumption, respectively, are as follows:
  - a)  $\text{Production} = \text{Amount produced} - \text{amount destroyed} - \text{amount used as feedstock};$
  - b)  $\text{Consumption} = \text{Production} + \text{imports} - \text{exports}.$

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

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

#### C. Feedstock uses

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

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

<sup>2</sup> In the application of paragraph 1 of decision VII/30, exports for feedstock uses are deducted only for parties that report, within the same year, the production and export of a given annex group of substances controlled under the Montreal Protocol.



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

## **E. Trade with non-parties**

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

## **F. Quarantine and pre-shipment applications**

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

## **G. Hydrofluorocarbon-23 captured for destruction**

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

## **H. Adjusted formulas**

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

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

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

<sup>4</sup> 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)<br>Control production and consumption of Annex A substances (CFCs and halons)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| London Amendment     | Report Article 7 data for Annex B substances (other halogenated CFCs, carbon tetrachloride and methyl chloroform) and Annex C, group I, substances (HCFCs)<br>Control production and consumption of Annex B substances (other halogenated CFCs, carbon tetrachloride and methyl chloroform)<br>Ban imports and exports of Annex A and Annex B substances (CFCs, halons, carbon tetrachloride and methyl chloroform) to any State not party to the London Amendment                                                                                                                              |
| Copenhagen Amendment | Report Article 7 data for Annex C, group I and group II, substances (HCFCs and hydrobromofluorocarbons) and the Annex E, group I, substance (methyl bromide)<br>Control consumption of Annex C, group I, substances (HCFCs)<br>Control production and consumption of Annex C, group II, substances (hydrobromofluorocarbons) and the Annex E, group I, substance (methyl bromide)<br>Ban imports and exports of Annex C, group II, substances (hydrobromofluorocarbons) to any State not party to the Copenhagen Amendment                                                                      |
| Montreal Amendment   | Establish, implement and report on a system for licensing the import and export of controlled substances<br>Ban imports and exports of the Annex E, group I, substance (methyl bromide) to any State not party to the Montreal Amendment                                                                                                                                                                                                                                                                                                                                                        |
| Beijing Amendment    | Control production of Annex C, group I, substances (HCFCs)<br>Report Article 7 data for the Annex C, group III, substance (bromochloromethane)<br>Control production and consumption of the Annex C, group III, substance (bromochloromethane)<br>Ban imports and exports of Annex C, group I, substances (HCFCs) and the Annex C, group III substance (bromochloromethane) from and to any State not party to the Beijing Amendment (for Article 5 parties to the Protocol, the ban relating to the Annex C, group I substances went into effect on 1 January 2013, pursuant to decision XX/9) |
| Kigali Amendment     | Report Article 7 data for Annex F substances (HFCs)<br>Report emissions of the Annex F, group II, substance (HFC-23)<br>Control production and consumption of Annex F substances (HFCs)                                                                                                                                                                                                                                                                                                                                                                                                         |

## Annex III

### Control measures for 2024 and 2025 for all parties

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

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

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

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

<sup>a</sup> Except for quantities allowed, approved or exempted by the Protocol or a Meeting of the Parties.

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

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

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

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

<sup>a</sup> Except for quantities allowed, approved or exempted by the Protocol or a Meeting of the Parties.

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

ADVANCE

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

## Key

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

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

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

**Key**

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

|                                                 | PRODUCTION*      |                   |             | CONSUMPTION* |                  |             |                |
|-------------------------------------------------|------------------|-------------------|-------------|--------------|------------------|-------------|----------------|
|                                                 | 2025             | Base              | % Chng      | 2025         | Base             | % Chng      | Per Cap. Cons. |
| <b>Andorra - (Population**: 82)</b>             |                  |                   |             |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00             | 3.50              | -100        | 0.00         | 6.90             | -100        | 0              |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>      | <b>3.50</b>       | <b>-100</b> | <b>0.00</b>  | <b>6.90</b>      | <b>-100</b> | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                   | 0                | 13.898            | -100        | 14.190       | 69.107           | -79.47      | 173.0488       |
| <b>Australia - (Population**: 26,845)</b>       |                  |                   |             |              |                  |             |                |
| AI - Chlorofluorocarbons (CFCs)                 | -1.5             | 15,385.4          | -100        | -1.5         | 14,290.4         | -100        | 0              |
| CI - Hydrochlorofluorocarbons (HCFCs)           | -5.87            | 587.10            | -100        | -4.84        | 548.70           | -100        | 0              |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-7.37</b>     | <b>15,972.50</b>  | <b>-100</b> | <b>-6.34</b> | <b>14,839.10</b> | <b>-100</b> | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                   | -787.802         | 1,205.875         | -100        | 4,392,488    | 10,814,521       | -59.38      | 163.6241       |
| <b>Belgium - (Population**: 11,750)</b>         |                  |                   |             |              |                  |             |                |
| BII - Carbon Tetrachloride (CTC)                | -4,378.0         | 26,592.5          | -100        |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00             | 0.00              | -100        |              |                  |             |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-4,378.00</b> | <b>26,592.50</b>  | <b>-100</b> |              |                  |             |                |
| F - Hydrofluorocarbons (HFCs)                   | 0                | 0                 | -100        |              |                  |             |                |
| <b>Bulgaria - (Population**: 6,737)</b>         |                  |                   |             |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00             | 40.90             | -100        |              |                  |             |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>      | <b>40.90</b>      | <b>-100</b> |              |                  |             |                |
| F - Hydrofluorocarbons (HFCs)                   | 0                | 61.765            | -100        |              |                  |             |                |
| <b>Canada - (Population**: 39,946)</b>          |                  |                   |             |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00             | 819.60            | -100        | 0.00         | 892.30           | -100        | 0              |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>      | <b>819.60</b>     | <b>-100</b> | <b>0.00</b>  | <b>892.30</b>    | <b>-100</b> | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                   | 0                | 2,174.370         | -100        | 8,343,831    | 18,035,516       | -53.74      | 208.8778       |
| <b>Cyprus - (Population**: 1,365)</b>           |                  |                   |             |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00             | 4.30              | -100        |              |                  |             |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>      | <b>4.30</b>       | <b>-100</b> |              |                  |             |                |
| F - Hydrofluorocarbons (HFCs)                   | 0                | 6.688             | -100        |              |                  |             |                |
| <b>Czechia - (Population**: 10,680)</b>         |                  |                   |             |              |                  |             |                |
| BII - Carbon Tetrachloride (CTC)                | -16.4            | 5,285.5           | -100        |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00             | 107.60            | -100        |              |                  |             |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-16.40</b>    | <b>5,393.10</b>   | <b>-100</b> |              |                  |             |                |
| F - Hydrofluorocarbons (HFCs)                   | -2,673           | 162.669           | -100        |              |                  |             |                |
| <b>Denmark - (Population**: 5,991)</b>          |                  |                   |             |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | -0.69            | 68.90             | -100        |              |                  |             |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-0.69</b>     | <b>68.90</b>      | <b>-100</b> |              |                  |             |                |
| F - Hydrofluorocarbons (HFCs)                   | 0                | 118.820           | -100        |              |                  |             |                |
| <b>Estonia - (Population**: 1,354)</b>          |                  |                   |             |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00             | 2.80              | -100        |              |                  |             |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>      | <b>2.80</b>       | <b>-100</b> |              |                  |             |                |
| F - Hydrofluorocarbons (HFCs)                   | 0                | 5.009             | -100        |              |                  |             |                |
| <b>European Union - (Population**: 506,227)</b> |                  |                   |             |              |                  |             |                |
| AI - Chlorofluorocarbons (CFCs)                 | -199.0           | 309,307.6         | -100        |              |                  |             | 0              |
| AII - Halons                                    | -22.1            | 44,882.6          | -100        |              |                  |             | 0              |
| BII - Carbon Tetrachloride (CTC)                | -8,486.3         | 51,150.2          | -100        |              |                  |             | 0              |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.36             | 8,436.70          | -100.00     |              |                  |             | 0.0000         |
| CIII - Bromochloromethane (BCM)                 | -27.4            |                   | -100        |              |                  |             | 0              |
| EI - Methyl Bromide (MB)                        | -11.6            | 10,318.0          | -100        |              |                  |             | 0              |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-8,746.04</b> | <b>424,095.10</b> | <b>-100</b> |              |                  |             | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                   | 33,098,768       | 163,576,330       | -79.77      |              |                  |             | 65.3833        |
| <b>Finland - (Population**: 5,623)</b>          |                  |                   |             |              |                  |             |                |
| AII - Halons                                    | -21.8            | 0.0               | -100        |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | -0.26            | 36.50             | -100        |              |                  |             |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-22.06</b>    | <b>36.50</b>      | <b>-100</b> |              |                  |             |                |
| F - Hydrofluorocarbons (HFCs)                   | 0                | 78.600            | -100        |              |                  |             |                |
| <b>France - (Population**: 66,601)</b>          |                  |                   |             |              |                  |             |                |
| BII - Carbon Tetrachloride (CTC)                | -484.8           | 5,119.4           | -100        |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | -0.36            | 2,337.40          | -100        |              |                  |             |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-485.16</b>   | <b>7,456.80</b>   | <b>-100</b> |              |                  |             |                |
| F - Hydrofluorocarbons (HFCs)                   | -40,023          | 32,975.001        | -100        |              |                  |             |                |
| <b>Germany - (Population**: 84,409)</b>         |                  |                   |             |              |                  |             |                |
| AI - Chlorofluorocarbons (CFCs)                 | -130.9           | 123,652.8         | -100        |              |                  |             |                |
| AII - Halons                                    | -0.2             | 18,134.0          | -100        |              |                  |             |                |
| BII - Carbon Tetrachloride (CTC)                | -0.8             | 8,067.4           | -100        |              |                  |             |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | -2.56            | 3,425.60          | -100        |              |                  |             |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-134.46</b>   | <b>153,279.80</b> | <b>-100</b> |              |                  |             |                |
| F - Hydrofluorocarbons (HFCs)                   | 1,274,559        | 21,556,537        | -94.09      |              |                  |             |                |

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

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

**Key**

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

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



|                                                                   |              |             |             |               |               |               |               |
|-------------------------------------------------------------------|--------------|-------------|-------------|---------------|---------------|---------------|---------------|
| <b>Burundi - (Population**: 14,221)</b>                           |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 0.45          | 7.20          | -93.75        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>0.45</b>   | <b>7.20</b>   | <b>-93.75</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 54.998        | 207.530       | -73.50        | 3.8674        |
| <b>Cabo Verde - (Population**: 526)</b>                           |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 0.00          | 1.10          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>0.00</b>   | <b>1.10</b>   | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 32.031        | 38.791        | -17.43        | 60.8954       |
| <b>Cambodia - (Population**: 17,745)</b>                          |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 4.76          | 15.00         | -68.27        | 0.0003        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>4.76</b>   | <b>15.00</b>  | <b>-68.27</b> | <b>0.0003</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 809.514       | 1,263.376     | -35.92        | 45.6193       |
| <b>Cameroon - (Population**: 29,500)</b>                          |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 22.20         | 88.80         | -75.00        | 0.0008        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>22.20</b>  | <b>88.80</b>  | <b>-75.00</b> | <b>0.0008</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 3,728.749     | 4,760.203     | -21.67        | 126.3983      |
| <b>Chad - (Population**: 20,728)</b>                              |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 5.16          | 16.10         | -67.95        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>5.16</b>   | <b>16.10</b>  | <b>-67.95</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 3,226.190     | 3,573.612     | -9.72         | 155.6441      |
| <b>Colombia - (Population**: 53,163)</b>                          |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | -0.03        | 0.00        | -100        | 9.67          | 225.60        | -95.71        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>-0.03</b> | <b>0.00</b> | <b>-100</b> | <b>9.67</b>   | <b>225.60</b> | <b>-95.71</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                                     | -14.738      | 0           | -100        | 6,346.065     | 8,652.982     | -26.66        | 119.3700      |
| <b>Comoros - (Population**: 875)</b>                              |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 0.02          | 0.10          | -80.00        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>0.02</b>   | <b>0.10</b>   | <b>-80.00</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 12.734        | 34.958        | -63.57        | 14.5531       |
| <b>Congo - (Population**: 6,408)</b>                              |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 3.58          | 10.14         | -64.69        | 0.0006        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>3.58</b>   | <b>10.14</b>  | <b>-64.69</b> | <b>0.0006</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 217.008       | 504.649       | -57.00        | 33.8652       |
| <b>Cook Islands - (Population**: 13)</b>                          |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 0.00          | 0.10          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>0.00</b>   | <b>0.10</b>   | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 5.485         | 6.461         | -15.11        | 421.9231      |
| <b>Costa Rica - (Population**: 5,142)</b>                         |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | -0.02        | 0.00        | -100        | 2.63          | 14.10         | -81.35        | 0.0005        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>-0.02</b> | <b>0.00</b> | <b>-100</b> | <b>2.63</b>   | <b>14.10</b>  | <b>-81.35</b> | <b>0.0005</b> |
| F - Hydrofluorocarbons (HFCs)                                     | -523         | 0           | -100        | 1,349.032     | 1,450.799     | -7.01         | 262.3555      |
| <b>Cuba - (Population**: 10,959)</b>                              |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | -0.01        | 0.00        | -100        | 1.49          | 16.90         | -91.18        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>-0.01</b> | <b>0.00</b> | <b>-100</b> | <b>1.49</b>   | <b>16.90</b>  | <b>-91.18</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 763.291       | 1,030.662     | -25.94        | 69.6497       |
| <b>Democratic Republic of the Congo - (Population**: 111,036)</b> |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 1.18          | 66.21         | -98.22        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>1.18</b>   | <b>66.21</b>  | <b>-98.22</b> | <b>0.0000</b> |
| <b>Ecuador - (Population**: 18,213)</b>                           |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | -0.01        | 0.00        | -100        | 6.81          | 23.49         | -71.01        | 0.0004        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>-0.01</b> | <b>0.00</b> | <b>-100</b> | <b>6.81</b>   | <b>23.49</b>  | <b>-71.01</b> | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                                     | -321         | 0           | -100        | 2,730.306     | 3,179.294     | -14.12        | 149.9097      |
| <b>Egypt - (Population**: 117,498)</b>                            |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 113.41        | 386.30        | -70.64        | 0.0010        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>113.41</b> | <b>386.30</b> | <b>-70.64</b> | <b>0.0010</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 11,072.998    | 19,290.350    | -42.60        | 94.2399       |
| <b>El Salvador - (Population**: 6,352)</b>                        |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 0.96          | 11.70         | -91.79        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>0.96</b>   | <b>11.70</b>  | <b>-91.79</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 664.865       | 922.362       | -27.92        | 104.6702      |
| <b>Equatorial Guinea - (Population**: 1,915)</b>                  |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 4.63          | 6.31          | -26.62        | 0.0024        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>4.63</b>   | <b>6.31</b>   | <b>-26.62</b> | <b>0.0024</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 48.876        |               |               | 25.5227       |
| <b>Eritrea - (Population**: 3,569)</b>                            |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 0.35          | 1.09          | -67.89        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>0.35</b>   | <b>1.09</b>   | <b>-67.89</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 169.236       | 169.249       | -0.01         | 47.4183       |
| <b>Eswatini - (Population**: 1,249)</b>                           |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 0.41          | 1.73          | -76.30        | 0.0003        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>0.41</b>   | <b>1.73</b>   | <b>-76.30</b> | <b>0.0003</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 74.942        | 105.500       | -28.96        | 60.0016       |
| <b>Fiji - (Population**: 931)</b>                                 |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 1.31          | 5.73          | -77.14        | 0.0014        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>1.31</b>   | <b>5.73</b>   | <b>-77.14</b> | <b>0.0014</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 243.546       | 443.528       | -45.09        | 261.5961      |
| <b>Gabon - (Population**: 2,566)</b>                              |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 5.94          | 30.20         | -80.33        | 0.0023        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>5.94</b>   | <b>30.20</b>  | <b>-80.33</b> | <b>0.0023</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 860.591       | 2,182.210     | -60.56        | 335.3823      |
| <b>Gambia - (Population**: 2,791)</b>                             |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 0.19          | 1.50          | -87.33        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>0.19</b>   | <b>1.50</b>   | <b>-87.33</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 193.479       | 271.515       | -28.74        | 69.3225       |
| <b>Georgia - (Population**: 3,808)</b>                            |              |             |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                             | 0.00         | 0.00        | -100        | 0.45          | 5.30          | -91.51        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                      | <b>0.00</b>  | <b>0.00</b> | <b>-100</b> | <b>0.45</b>   | <b>5.30</b>   | <b>-91.51</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                                     | 0            | 0           | -100        | 477.552       | 813.152       | -41.27        | 125.4076      |

|                                                            |               |               |               |               |                 |               |               |
|------------------------------------------------------------|---------------|---------------|---------------|---------------|-----------------|---------------|---------------|
| <b>Guatemala - (Population**: 18,548)</b>                  |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 1.38          | 8.30            | -83.37        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>1.38</b>   | <b>8.30</b>     | <b>-83.37</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 1,059,041     | 1,217,998       | -13.05        | 57.0973       |
| <b>Guinea - (Population**: 14,928)</b>                     |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.30          | 0.90            | -66.67        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.30</b>   | <b>0.90</b>     | <b>-66.67</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 1,762,443     | 1,798,954       | -2.03         | 118.0629      |
| <b>Guinea-Bissau - (Population**: 2,225)</b>               |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.44          | 2.83            | -84.45        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.44</b>   | <b>2.83</b>     | <b>-84.45</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 522,940       | 722,391         | -27.61        | 235.0292      |
| <b>Guyana - (Population**: 834)</b>                        |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.03          | 1.80            | -98.33        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.03</b>   | <b>1.80</b>     | <b>-98.33</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 111,632       |                 |               | 133.8513      |
| <b>Haiti - (Population**: 11,840)</b>                      |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.42          | 3.63            | -88.43        | 0.0000        |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.42          | 3.63            | -88.43        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.42</b>   | <b>3.63</b>     | <b>-88.43</b> | <b>0.0000</b> |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.42</b>   | <b>3.63</b>     | <b>-88.43</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 86,189        |                 |               | 7.2795        |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 86,189        |                 |               | 7.2795        |
| <b>Honduras - (Population**: 10,916)</b>                   |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 2.65          | 19.90           | -86.68        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>2.65</b>   | <b>19.90</b>    | <b>-86.68</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 1,278,987     | 1,449,723       | -11.78        | 117.1663      |
| <b>Indonesia - (Population**: 284,622)</b>                 |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 109.83        | 403.90          | -72.81        | 0.0004        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>109.83</b> | <b>403.90</b>   | <b>-72.81</b> | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 15,401,343    | 23,370,721      | -34.10        | 54.1116       |
| <b>Iran (Islamic Republic of) - (Population**: 92,021)</b> |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 45.89         | 380.50          | -87.94        | 0.0005        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>45.89</b>  | <b>380.50</b>   | <b>-87.94</b> | <b>0.0005</b> |
| <b>Iraq - (Population**: 46,526)</b>                       |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 33.61         | 108.40          | -68.99        | 0.0007        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>33.61</b>  | <b>108.40</b>   | <b>-68.99</b> | <b>0.0007</b> |
| <b>Jamaica - (Population**: 2,839)</b>                     |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.65          | 16.30           | -96.01        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.65</b>   | <b>16.30</b>    | <b>-96.01</b> | <b>0.0002</b> |
| <b>Kenya - (Population**: 56,981)</b>                      |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 2.43          | 52.20           | -95.34        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>2.43</b>   | <b>52.20</b>    | <b>-95.34</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 1,352,478     | 1,543,824       | -12.39        | 23.7356       |
| <b>Kiribati - (Population**: 136)</b>                      |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.00          | 0.10            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.00</b>   | <b>0.10</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 5,705         | 8,509           | -32.95        | 41.9485       |
| <b>Kuwait - (Population**: 4,985)</b>                      |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 129.29        | 418.60          | -69.11        | 0.0259        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>129.29</b> | <b>418.60</b>   | <b>-69.11</b> | <b>0.0259</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 3,789,288     |                 |               | 760.1380      |
| <b>Lebanon - (Population**: 5,826)</b>                     |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 17.76         | 73.50           | -75.84        | 0.0030        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>17.76</b>  | <b>73.50</b>    | <b>-75.84</b> | <b>0.0030</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 1,558,689     | 2,556,533       | -39.03        | 267.5402      |
| <b>Lesotho - (Population**: 2,350)</b>                     |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.35          | 3.50            | -90.00        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.35</b>   | <b>3.50</b>     | <b>-90.00</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 35,050        | 103,221         | -66.04        | 14.9149       |
| <b>Liberia - (Population**: 5,672)</b>                     |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 1.38          | 5.30            | -73.96        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>1.38</b>   | <b>5.30</b>     | <b>-73.96</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 121,242       | 180,909         | -32.98        | 21.3755       |
| <b>Libya - (Population**: 7,420)</b>                       |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 36.19         | 118.38          | -69.43        | 0.0049        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>36.19</b>  | <b>118.38</b>   | <b>-69.43</b> | <b>0.0049</b> |
| <b>Malawi - (Population**: 21,934)</b>                     |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 1.30          | 10.80           | -87.96        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>1.30</b>   | <b>10.80</b>    | <b>-87.96</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 149,473       | 428,435         | -65.11        | 6.8147        |
| <b>Maldives - (Population**: 529)</b>                      |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.00          | 4.60            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.00</b>   | <b>4.60</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 332,992       | 434,219         | -23.31        | 629.4745      |
| <b>Mali - (Population**: 24,835)</b>                       |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 3.30          | 15.00           | -78.00        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>3.30</b>   | <b>15.00</b>    | <b>-78.00</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 1,571,571     | 399,935         | 292.96        | 63.2805       |
| <b>Mauritius - (Population**: 1,270)</b>                   |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 0.00          | 0.00          | -100          | 0.11          | 8.00            | -98.63        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.11</b>   | <b>8.00</b>     | <b>-98.63</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 0             | -100          | 619,258       | 665,957         | -7.01         | 487.6047      |
| <b>Mexico - (Population**: 131,414)</b>                    |               |               |               |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                      | 101.52        | 697.00        | -85.43        | 134.05        | 1,148.80        | -88.33        | 0.0010        |
| <b>Subtotal - Summation excludes Annex F</b>               | <b>101.52</b> | <b>697.00</b> | <b>-85.43</b> | <b>134.05</b> | <b>1,148.80</b> | <b>-88.33</b> | <b>0.0010</b> |
| F - Hydrofluorocarbons (HFCs)                              | 0             | 14,908,490    | -100          | 40,497,334    | 76,982,664      | -47.39        | 308.1661      |

|                                                               |             |             |             |               |                 |               |               |
|---------------------------------------------------------------|-------------|-------------|-------------|---------------|-----------------|---------------|---------------|
| <b>Micronesia (Federated States of) - (Population**: 113)</b> |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.00          | 0.20            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>   | <b>0.20</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 6,292         | 13,600          | -53.74        | 55,6814       |
| <b>Mongolia - (Population**: 3,497)</b>                       |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.30          | 1.40            | -78.57        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.30</b>   | <b>1.40</b>     | <b>-78.57</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 67,925        | 57,309          | 18.52         | 19,4238       |
| <b>Montenegro - (Population**: 638)</b>                       |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.00          | 0.80            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>   | <b>0.80</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 131,866       | 155,854         | -15.39        | 206,6865      |
| <b>Morocco - (Population**: 38,261)</b>                       |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 16.32         | 51.35           | -68.22        | 0.0004        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>16.32</b>  | <b>51.35</b>    | <b>-68.22</b> | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 2,308,500     | 3,023,765       | -23.65        | 60,3356       |
| <b>Naoero - (Population**: 12)</b>                            |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.00          | 0.00            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>   | <b>0.00</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 237           | 2,378           | -90.03        | 19,7500       |
| <b>Niger - (Population**: 27,472)</b>                         |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 4.71          | 15.98           | -70.53        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>4.71</b>   | <b>15.98</b>    | <b>-70.53</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 554,715       | 1,222,358       | -54.62        | 20,1920       |
| <b>Nigeria - (Population**: 235,088)</b>                      |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 92.06         | 344.88          | -73.31        | 0.0004        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>92.06</b>  | <b>344.88</b>   | <b>-73.31</b> | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 24,924,704    | 24,986,406      | -0.25         | 106,0229      |
| <b>Niue - (Population**: 2)</b>                               |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.00          | 0.00            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>   | <b>0.00</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 3             | 236             | -98.73        | 1,5000        |
| <b>Oman - (Population**: 5,398)</b>                           |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 5.90          | 31.50           | -81.27        | 0.0011        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>5.90</b>   | <b>31.50</b>    | <b>-81.27</b> | <b>0.0011</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 1,822,104     |                 |               | 337,5517      |
| <b>Pakistan - (Population**: 253,203)</b>                     |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 76.40         | 248.11          | -69.21        | 0.0003        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>76.40</b>  | <b>248.11</b>   | <b>-69.21</b> | <b>0.0003</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 12,486,840    |                 |               | 49,3155       |
| <b>Palau - (Population**: 18)</b>                             |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.01          | 0.20            | -95.00        | 0.0006        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.01</b>   | <b>0.20</b>     | <b>-95.00</b> | <b>0.0006</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 8,861         | 10,368          | -14.54        | 492,2778      |
| <b>Panama - (Population**: 4,544)</b>                         |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 5.62          | 24.80           | -77.34        | 0.0012        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>5.62</b>   | <b>24.80</b>    | <b>-77.34</b> | <b>0.0012</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 1,865,356     | 2,543,386       | -26.66        | 410,5097      |
| <b>Papua New Guinea - (Population**: 10,670)</b>              |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.00          | 3.30            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>   | <b>3.30</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 327,611       | 430,238         | -23.85        | 30,7039       |
| <b>Paraguay - (Population**: 6,972)</b>                       |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 4.90          | 18.00           | -72.78        | 0.0007        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>4.90</b>   | <b>18.00</b>    | <b>-72.78</b> | <b>0.0007</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 1,319,772     | 1,684,582       | -21.66        | 189,2960      |
| <b>Peru - (Population**: 34,401)</b>                          |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 4.18          | 26.88           | -84.45        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>4.18</b>   | <b>26.88</b>    | <b>-84.45</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 2,315,018     | 2,735,721       | -15.38        | 67,2951       |
| <b>Philippines - (Population**: 116,316)</b>                  |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 45.61         | 161.98          | -71.84        | 0.0004        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>45.61</b>  | <b>161.98</b>   | <b>-71.84</b> | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 8,243,347     | 11,903,687      | -30.75        | 70,8703       |
| <b>Qatar - (Population**: 3,084)</b>                          |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 28.23         | 86.90           | -67.51        | 0.0092        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>28.23</b>  | <b>86.90</b>    | <b>-67.51</b> | <b>0.0092</b> |
| <b>Saint Vincent and the Grenadines - (Population**: 100)</b> |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.00          | 0.30            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>   | <b>0.30</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 17,599        | 25,280          | -30.38        | 175,9900      |
| <b>Samoa - (Population**: 219)</b>                            |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.00          | 0.30            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>   | <b>0.30</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 28,660        | 20,557          | 39.42         | 130,8676      |
| <b>Sao Tome and Principe - (Population**: 238)</b>            |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 0.04          | 2.20            | -98.18        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.04</b>   | <b>2.20</b>     | <b>-98.18</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 34,040        | 71,039          | -52.08        | 143,0252      |
| <b>Saudi Arabia - (Population**: 34,264)</b>                  |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 414.77        | 1,468.70        | -71.76        | 0.0121        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>414.77</b> | <b>1,468.70</b> | <b>-71.76</b> | <b>0.0121</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 30,146,394    |                 |               | 879,8270      |
| <b>Senegal - (Population**: 18,716)</b>                       |             |             |             |               |                 |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                         | 0.00        | 0.00        | -100        | 6.60          | 36.20           | -81.77        | 0.0004        |
| <b>Subtotal - Summation excludes Annex F</b>                  | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>6.60</b>   | <b>36.20</b>    | <b>-81.77</b> | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                                 | 0           | 0           | -100        | 2,365,389     | 2,786,915       | -15.13        | 126,3833      |

|                                                             |             |             |             |              |               |               |               |
|-------------------------------------------------------------|-------------|-------------|-------------|--------------|---------------|---------------|---------------|
| <b>Serbia - (Population**: 6,714)</b>                       |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 2.59         | 8.40          | -69.17        | 0.0004        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>2.59</b>  | <b>8.40</b>   | <b>-69.17</b> | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 2,999,219    | 3,261,874     | -8.05         | 446,7112      |
| <b>Seychelles - (Population**: 132)</b>                     |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.00         | 1.40          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>  | <b>1.40</b>   | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 176,476      | 249,400       | -29.24        | 1336,9394     |
| <b>Sierra Leone - (Population**: 8,731)</b>                 |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.25         | 1.70          | -85.29        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.25</b>  | <b>1.70</b>   | <b>-85.29</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 272,316      | 350,905       | -22.40        | 31.1896       |
| <b>Solomon Islands - (Population**: 829)</b>                |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.06         | 2.00          | -97.00        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.06</b>  | <b>2.00</b>   | <b>-97.00</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 24,911       | 69,516        | -64.17        | 30.0495       |
| <b>South Africa - (Population**: 64,386)</b>                |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 68.36        | 369.70        | -81.51        | 0.0011        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>68.36</b> | <b>369.70</b> | <b>-81.51</b> | <b>0.0011</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 9,513,006    | 13,843,139    | -31.28        | 147.7496      |
| <b>South Sudan - (Population**: 12,067)</b>                 |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.66         | 4.10          | -83.90        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.66</b>  | <b>4.10</b>   | <b>-83.90</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 36,465       |               |               | 3.0219        |
| <b>Sudan - (Population**: 50,849)</b>                       |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 2.64         | 52.70         | -94.99        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>2.64</b>  | <b>52.70</b>  | <b>-94.99</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 160,041      |               |               | 3.1474        |
| <b>Suriname - (Population**: 637)</b>                       |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.00         | 2.00          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>  | <b>2.00</b>   | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 261,105      |               |               | 409.8980      |
| <b>Syrian Arab Republic - (Population**: 25,171)</b>        |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 33.02        | 135.00        | -75.54        | 0.0013        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>33.02</b> | <b>135.00</b> | <b>-75.54</b> | <b>0.0013</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 855,270      | 18,150,706    | -95.29        | 33.9784       |
| <b>Timor-Leste - (Population**: 1,410)</b>                  |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.11         | 0.50          | -78.00        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.11</b>  | <b>0.50</b>   | <b>-78.00</b> | <b>0.0001</b> |
| <b>Togo - (Population**: 9,618)</b>                         |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 5.18         | 20.00         | -74.10        | 0.0005        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>5.18</b>  | <b>20.00</b>  | <b>-74.10</b> | <b>0.0005</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 1,085,933    | 1,124,896     | -3.46         | 112.9063      |
| <b>Tonga - (Population**: 104)</b>                          |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.00         | 0.10          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>  | <b>0.10</b>   | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 5,402        | 7,676         | -29.62        | 51.9423       |
| <b>Trinidad and Tobago - (Population**: 1,510)</b>          |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 9.96         | 46.00         | -78.35        | 0.0066        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>9.96</b>  | <b>46.00</b>  | <b>-78.35</b> | <b>0.0066</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 1,844,879    | 5,681,787     | -67.53        | 1221.7742     |
| <b>Turkmenistan - (Population**: 7,558)</b>                 |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 1.41         | 6.80          | -79.26        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>1.41</b>  | <b>6.80</b>   | <b>-79.26</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 112,838      | 597,121       | -81.10        | 14.9296       |
| <b>Tuvalu - (Population**: 10)</b>                          |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.00         | 0.10          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>  | <b>0.10</b>   | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 550          | 2,648         | -79.23        | 55.0000       |
| <b>Uganda - (Population**: 50,698)</b>                      |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.06         | 0.20          | -70.00        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.06</b>  | <b>0.20</b>   | <b>-70.00</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 35,209       | 39,432        | -10.71        | 0.6945        |
| <b>United Republic of Tanzania - (Population**: 69,542)</b> |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.32         | 1.70          | -81.18        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.32</b>  | <b>1.70</b>   | <b>-81.18</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 86,358       | 218,611       | -60.50        | 1.2418        |
| <b>Vanuatu - (Population**: 331)</b>                        |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 0.00         | 0.30          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>0.00</b>  | <b>0.30</b>   | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 19,987       | 23,529        | -15.05        | 60.3837       |
| <b>Yemen - (Population**: 41,179)</b>                       |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 50.17        | 158.20        | -68.29        | 0.0012        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>50.17</b> | <b>158.20</b> | <b>-68.29</b> | <b>0.0012</b> |
| <b>Zambia - (Population**: 21,612)</b>                      |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 1.30         | 5.00          | -74.00        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>1.30</b>  | <b>5.00</b>   | <b>-74.00</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 612,575      | 699,513       | -12.43        | 28.3442       |
| <b>Zimbabwe - (Population**: 16,790)</b>                    |             |             |             |              |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 0.00        | 0.00        | -100        | 2.26         | 17.80         | -87.30        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                | <b>0.00</b> | <b>0.00</b> | <b>-100</b> | <b>2.26</b>  | <b>17.80</b>  | <b>-87.30</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                               | 0           | 0           | -100        | 790,887      | 1,210,624     | -34.67        | 47.1046       |

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

**Key**

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

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

**Annex Vb- Production and consumption of controlled substances - comparison of 2024 with baseline:  
Non-Article 5 Parties 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. |
| <b>Andorra - (Population**: 81)</b>             |               |                  |             |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00          | 3.50             | -100        | 0.00           | 6.90              | -100           | 0              |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>3.50</b>      | <b>-100</b> | <b>0.00</b>    | <b>6.90</b>       | <b>-100</b>    | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 13.898           | -100        | 13.044         | 69.107            | -81.12         | 161.0370       |
| <b>Australia - (Population**: 26,581)</b>       |               |                  |             |                |                   |                |                |
| AI - Chlorofluorocarbons (CFCs)                 | -4.5          | 15,385.4         | -100        | -4.5           | 14,290.4          | -100           | 0              |
| CI - Hydrochlorofluorocarbons (HCFCs)           | -7.16         | 587.10           | -100        | -5.93          | 548.70            | -100           | 0              |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-11.66</b> | <b>15,972.50</b> | <b>-100</b> | <b>-10.43</b>  | <b>14,839.10</b>  | <b>-100</b>    | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                   | -943.347      | 1,205.875        | -100        | 4,251,739      | 10,814,521        | -60.68         | 159.9541       |
| <b>Austria - (Population**: 9,125)</b>          |               |                  |             |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00          | 91.20            | -100        |                |                   |                |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>91.20</b>     | <b>-100</b> |                |                   |                |                |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 131.703          | -100        |                |                   |                |                |
| <b>Azerbaijan - (Population**: 10,305)</b>      |               |                  |             |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00          | 7.40             | -100        | 0.00           | 14.90             | -100           | 0              |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>7.40</b>      | <b>-100</b> | <b>0.00</b>    | <b>14.90</b>      | <b>-100</b>    | <b>0</b>       |
| <b>Belarus - (Population**: 9,086)</b>          |               |                  |             |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00          | 25.00            | -100        | 0.00           | 50.00             | -100           | 0              |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>25.00</b>     | <b>-100</b> | <b>0.00</b>    | <b>50.00</b>      | <b>-100</b>    | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 59.139           | -100        | 4,820,490      | 5,077,555         | -5.06          | 530.5404       |
| <b>Belgium - (Population**: 11,728)</b>         |               |                  |             |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00          | 0.00             | -100        |                |                   |                |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>0.00</b>      | <b>-100</b> |                |                   |                |                |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 0                | -100        |                |                   |                |                |
| <b>Bulgaria - (Population**: 6,778)</b>         |               |                  |             |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00          | 40.90            | -100        |                |                   |                |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>40.90</b>     | <b>-100</b> |                |                   |                |                |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 61.765           | -100        |                |                   |                |                |
| <b>Canada - (Population**: 39,538)</b>          |               |                  |             |                |                   |                |                |
| 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         |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>30,129.10</b> | <b>-100</b> | <b>0.23</b>    | <b>7,060.00</b>   | <b>-100.00</b> | <b>0.0000</b>  |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 2,174.370        | -100        | 8,394,444      | 18,035,516        | -53.46         | 212.3133       |
| <b>Croatia - (Population**: 3,889)</b>          |               |                  |             |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00          | 7.30             | -100        |                |                   |                |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>7.30</b>      | <b>-100</b> |                |                   |                |                |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 8,563            | -100        |                |                   |                |                |
| <b>Cyprus - (Population**: 1,352)</b>           |               |                  |             |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00          | 4.30             | -100        |                |                   |                |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>4.30</b>      | <b>-100</b> |                |                   |                |                |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 6,688            | -100        |                |                   |                |                |
| <b>Czechia - (Population**: 10,792)</b>         |               |                  |             |                |                   |                |                |
| BII - Carbon Tetrachloride (CTC)                | -0.2          | 5,285.5          | -100        |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | -0.01         | 107.60           | -100        |                |                   |                |                |
| CIII - Bromochloromethane (BCM)                 | -0.1          |                  | -100        |                |                   |                |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-0.31</b>  | <b>5,393.10</b>  | <b>-100</b> |                |                   |                |                |
| F - Hydrofluorocarbons (HFCs)                   | -4.154        | 162.669          | -100        |                |                   |                |                |
| <b>Denmark - (Population**: 5,964)</b>          |               |                  |             |                |                   |                |                |
| BII - Carbon Tetrachloride (CTC)                | -2.6          | 0.0              | -100        |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | -0.50         | 68.90            | -100        |                |                   |                |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>-3.10</b>  | <b>68.90</b>     | <b>-100</b> |                |                   |                |                |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 118.820          | -100        |                |                   |                |                |
| <b>Estonia - (Population**: 1,367)</b>          |               |                  |             |                |                   |                |                |
| CI - Hydrochlorofluorocarbons (HCFCs)           | 0.00          | 2.80             | -100        |                |                   |                |                |
| <b>Subtotal - Summation excludes Annex F</b>    | <b>0.00</b>   | <b>2.80</b>      | <b>-100</b> |                |                   |                |                |
| F - Hydrofluorocarbons (HFCs)                   | 0             | 5,009            | -100        |                |                   |                |                |
| <b>European Union - (Population**: 506,178)</b> |               |                  |             |                |                   |                |                |
| AI - Chlorofluorocarbons (CFCs)                 |               |                  |             | -292.4         | 309,307.6         | -100           | 0              |
| AII - Halons                                    |               |                  |             | -399.7         | 44,882.6          | -100           | 0              |
| BII - Carbon Tetrachloride (CTC)                |               |                  |             | 443.0          | 51,150.2          | -99.13         | 0.0009         |
| CI - Hydrochlorofluorocarbons (HCFCs)           |               |                  |             | -45.51         | 8,436.70          | -100           | 0              |
| CII - Hydrobromofluorocarbons (HBFCs)           |               |                  |             | -0.5           |                   | -100           | 0              |
| CIII - Bromochloromethane (BCM)                 |               |                  |             | -3.7           |                   | -100           | 0              |
| EI - Methyl Bromide (MB)                        |               |                  |             | -5.5           | 10,318.0          | -100           | 0              |
| <b>Subtotal - Summation excludes Annex F</b>    |               |                  |             | <b>-304.31</b> | <b>424,095.10</b> | <b>-100</b>    | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                   |               |                  |             | 39,030,131     | 163,576,330       | -76.14         | 77.1075        |

|                                                              |                |                   |               |              |                  |               |
|--------------------------------------------------------------|----------------|-------------------|---------------|--------------|------------------|---------------|
| <b>Finland - (Population**: 5,612)</b>                       |                |                   |               |              |                  |               |
| Al - Halons                                                  | -246.3         | 0.0               | -100          |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 36.50             | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>-246.30</b> | <b>36.50</b>      | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | -817           | 78.600            | -100          |              |                  |               |
| <b>France - (Population**: 66,496)</b>                       |                |                   |               |              |                  |               |
| Al - Chlorofluorocarbons (CFCs)                              | -106.7         | 71,018.4          | -100          |              |                  |               |
| Al - Halons                                                  | -151.4         | 34,465.0          | -100          |              |                  |               |
| BII - Carbon Tetrachloride (CTC)                             | 5.8            | 5,119.4           | -99.89        |              |                  |               |
| BIII - Methyl Chloroform (TCA)                               | -0.8           | 6,169.5           | -100          |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | -28.93         | 2,337.40          | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>-282.03</b> | <b>119,109.70</b> | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | -191,397       | 32,975.001        | -100          |              |                  |               |
| <b>Germany - (Population**: 84,696)</b>                      |                |                   |               |              |                  |               |
| Al - Chlorofluorocarbons (CFCs)                              | -132.3         | 123,652.8         | -100          |              |                  |               |
| BII - Carbon Tetrachloride (CTC)                             | -22.9          | 8,067.4           | -100          |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | -14.20         | 3,425.60          | -100          |              |                  |               |
| CIII - Bromochloromethane (BCM)                              | -1.4           |                   | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>-170.80</b> | <b>135,145.80</b> | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | 1,689,758      | 21,556.537        | -92.16        |              |                  |               |
| <b>Greece - (Population**: 10,137)</b>                       |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 235.30            | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>235.30</b>     | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 477,681           | -100          |              |                  |               |
| <b>Holy See - (Population**: 0)</b>                          |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 0.10              | -100          | 0.00         | 0.20             | -100          |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>0.10</b>       | <b>-100</b>   | <b>0.00</b>  | <b>0.20</b>      | <b>-100</b>   |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 407               | -100          | 251          | 1,392            | -81.97        |
| <b>Hungary - (Population**: 9,690)</b>                       |                |                   |               |              |                  |               |
| Al - Chlorofluorocarbons (CFCs)                              | -3.5           | 0.0               | -100          |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 67.90             | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>-3.50</b>   | <b>67.90</b>      | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 72,881            | -100          |              |                  |               |
| <b>Iceland - (Population**: 391)</b>                         |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 4.30              | -100          | 0.00         | 8.70             | -100          |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>4.30</b>       | <b>-100</b>   | <b>0.00</b>  | <b>8.70</b>      | <b>-100</b>   |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 13,767            | -100          | 11,131       | 271,188          | -95.90        |
|                                                              |                |                   |               |              |                  | 28,4680       |
| <b>Ireland - (Population**: 5,227)</b>                       |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 0.00              | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>0.00</b>       | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 0                 | -100          |              |                  |               |
| <b>Israel - (Population**: 9,322)</b>                        |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 164.50            | -100          | 4.33         | 329.00           | -98.68        |
| CIII - Bromochloromethane (BCM)                              | 4.1            |                   |               | 4.1          |                  | 0.0004        |
| El - Methyl Bromide (MB)                                     | 79.8           | 16,800.0          | -99.53        | 79.8         | 2,148.0          | -96.28        |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>83.90</b>   | <b>16,964.50</b>  | <b>-99.51</b> | <b>88.23</b> | <b>2,477.00</b>  | <b>-96.44</b> |
|                                                              |                |                   |               |              |                  | 0.0095        |
| <b>Italy - (Population**: 59,435)</b>                        |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 1,704.10          | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>1,704.10</b>   | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 3,182,160         | -100          |              |                  |               |
| <b>Japan - (Population**: 124,071)</b>                       |                |                   |               |              |                  |               |
| BII - Carbon Tetrachloride (CTC)                             | 6.9            | 19,602.0          | -99.96        | 6.9          | 74,879.2         | -99.99        |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 5,645.40          | -100          | 0.00         | 5,554.90         | -100          |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>6.90</b>    | <b>25,247.40</b>  | <b>-99.97</b> | <b>6.90</b>  | <b>80,434.10</b> | <b>-99.99</b> |
|                                                              |                |                   |               |              |                  | 0.0001        |
| F - Hydrofluorocarbons (HFCs)                                | 18,085,424     | 50,031,911        | -63.85        | 26,088,942   | 71,521,258       | -63.52        |
|                                                              |                |                   |               |              |                  | 210,2743      |
| <b>Kazakhstan - (Population**: 20,464)</b>                   |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 19.80             | -100          | 0.25         | 39.50            | -99.37        |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>19.80</b>      | <b>-100</b>   | <b>0.25</b>  | <b>39.50</b>     | <b>-99.37</b> |
|                                                              |                |                   |               |              |                  | 0.0000        |
| <b>Latvia - (Population**: 1,880)</b>                        |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 69.00             | -100          |              | 137.90           |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>69.00</b>      | <b>-100</b>   |              | <b>137.90</b>    |               |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 107,215           | -100          |              |                  |               |
| <b>Liechtenstein - (Population**: 40)</b>                    |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 0.30              | -100          | 0.00         | 0.70             | -100          |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>0.30</b>       | <b>-100</b>   | <b>0.00</b>  | <b>0.70</b>      | <b>-100</b>   |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 1,055             | -100          | 6,275        | 12,258           | -48.81        |
|                                                              |                |                   |               |              |                  | 156,8750      |
| <b>Lithuania - (Population**: 2,867)</b>                     |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 77.80             | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>77.80</b>      | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 97,592            | -100          |              |                  |               |
| <b>Luxembourg - (Population**: 669)</b>                      |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 0.00              | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>0.00</b>       | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 0                 | -100          |              |                  |               |
| <b>Malta - (Population**: 536)</b>                           |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 5.80              | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>5.80</b>       | <b>-100</b>   |              |                  |               |
| F - Hydrofluorocarbons (HFCs)                                | 0              | 10,176            | -100          |              |                  |               |
| <b>Monaco - (Population**: 39)</b>                           |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 1.20              | -100          | 0.00         | 2.40             | -100          |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>0.00</b>    | <b>1.20</b>       | <b>-100</b>   | <b>0.00</b>  | <b>2.40</b>      | <b>-100</b>   |
|                                                              |                |                   |               |              |                  | 0             |
| <b>Netherlands (Kingdom of the) - (Population**: 18,166)</b> |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 1,568.70          | -100          |              | 1,472.80         |               |
| CIII - Bromochloromethane (BCM)                              | -2.2           |                   | -100          |              |                  |               |
| <b>Subtotal - Summation excludes Annex F</b>                 | <b>-2.20</b>   | <b>1,568.70</b>   | <b>-100</b>   |              | <b>1,472.80</b>  |               |
| F - Hydrofluorocarbons (HFCs)                                | -123,922       | 3,342,468         | -100          |              |                  |               |
| <b>New Zealand - (Population**: 5,194)</b>                   |                |                   |               |              |                  |               |
| Cl - Hydrochlorofluorocarbons (HCFCs)                        | 0.00           | 28.00             | -100          | 0.00         | 56.10            | -100          |
|                                                              |                |                   |               |              |                  | 0             |

|                                                                                      |                  |                   |               |                  |                   |               |               |
|--------------------------------------------------------------------------------------|------------------|-------------------|---------------|------------------|-------------------|---------------|---------------|
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>28.00</b>      | <b>-100</b>   | <b>0.00</b>      | <b>56.10</b>      | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                | 76.343            | -100          | 444,632          | 1,795,965         | -75.24        | 85,6049       |
| <b>Norway - (Population**: 5,550)</b>                                                |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 38.00             | -100          | 0.00             | 76.00             | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>38.00</b>      | <b>-100</b>   | <b>0.00</b>      | <b>76.00</b>      | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                | 138,936           | -100          | 225,283          | 989,402           | -77.23        | 40,5915       |
| <b>Poland - (Population**: 38,712)</b>                                               |                  |                   |               |                  |                   |               |               |
| AI - Chlorofluorocarbons (CFCs)                                                      | -5.9             | 0.0               | -100          |                  | 4,986.0           |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | -0.51            | 97.30             | -100          |                  |                   |               |               |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>-6.41</b>     | <b>97.30</b>      | <b>-100</b>   |                  | <b>5,180.60</b>   |               |               |
| F - Hydrofluorocarbons (HFCs)                                                        | -60,575          | 221,244           | -100          |                  |                   |               |               |
| <b>Portugal - (Population**: 10,431)</b>                                             |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 0.00              | -100          |                  |                   |               |               |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   |                  |                   |               |               |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                | 0                 | -100          |                  |                   |               |               |
| <b>Romania - (Population**: 19,068)</b>                                              |                  |                   |               |                  |                   |               |               |
| AI - Chlorofluorocarbons (CFCs)                                                      | -33.2            | 0.0               | -100          |                  |                   |               |               |
| BI - Carbon Tetrachloride (CTC)                                                      | -1.4             | 11,878.5          | -100          |                  | 2,264.5           |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             |                   | -100          |                  |                   |               |               |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>-34.60</b>    | <b>11,878.50</b>  | <b>-100</b>   |                  | <b>3,094.20</b>   |               |               |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                | 70,220            | -100          |                  |                   |               |               |
| <b>Russian Federation - (Population**: 145,206)</b>                                  |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 3.50             | 4,066.10          | -99.91        | 5.72             | 3,996.90          | -99.86        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>3.50</b>      | <b>4,066.10</b>   | <b>-99.91</b> | <b>5.72</b>      | <b>3,996.90</b>   | <b>-99.86</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                                        | 624,945          | 15,352,188        | -95.93        | 34,208,456       | 48,729,257        | -29.80        | 235,5857      |
| <b>San Marino - (Population**: 34)</b>                                               |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 0.20              | -100          | 0.00             | 0.40              | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>0.20</b>       | <b>-100</b>   | <b>0.00</b>      | <b>0.40</b>       | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                | 366               | -100          | 0                | 11,509            | -100          | 0             |
| <b>Slovakia - (Population**: 5,520)</b>                                              |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 29.10             | -100          |                  |                   |               |               |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>29.10</b>      | <b>-100</b>   |                  |                   |               |               |
| F - Hydrofluorocarbons (HFCs)                                                        | -312             | 45,177            | -100          |                  |                   |               |               |
| <b>Slovenia - (Population**: 2,119)</b>                                              |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 34.00             | -100          |                  |                   |               |               |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>34.00</b>      | <b>-100</b>   |                  |                   |               |               |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                | 39,123            | -100          |                  |                   |               |               |
| <b>Spain - (Population**: 47,916)</b>                                                |                  |                   |               |                  |                   |               |               |
| BI - Methyl Chloroform (TCA)                                                         | -0.8             | 0.0               |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 1,345.60          | -100          |                  | 1,345.60          |               |               |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.80</b>      | <b>1,345.60</b>   | <b>-99.94</b> |                  | <b>1,853.50</b>   |               |               |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                | 21,286,874        | -100          |                  |                   |               |               |
| <b>Sweden - (Population**: 10,581)</b>                                               |                  |                   |               |                  |                   |               |               |
| AI - Chlorofluorocarbons (CFCs)                                                      | -10.8            | 0.0               | -100          |                  | 4,962.0           |               |               |
| AI - Halons                                                                          | -2.0             | 0.0               | -100          |                  | 1,831.0           |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | -0.23            | 78.60             | -100          |                  | 157.20            |               |               |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>-13.03</b>    | <b>78.60</b>      | <b>-100</b>   |                  | <b>6,950.20</b>   |               |               |
| F - Hydrofluorocarbons (HFCs)                                                        | -15              | 252,936           | -100          |                  |                   |               |               |
| <b>Switzerland - (Population**: 8,898)</b>                                           |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 65.30             | -100          | 0.00             | 130.50            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>65.30</b>      | <b>-100</b>   | <b>0.00</b>      | <b>130.50</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                | 112,283           | -100          | 1,247,176        | 2,208,655         | -43.53        | 140,1636      |
| <b>Tajikistan - (Population**: 10,492)</b>                                           |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 9.40              | -100          | 0.05             | 18.70             | -99.73        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>9.40</b>       | <b>-100</b>   | <b>0.05</b>      | <b>18.70</b>      | <b>-99.73</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                | 27,216            | -100          | 456,901          | 446,600           | 2.31          | 43,5476       |
| <b>Ukraine - (Population**: 37,441)</b>                                              |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 82.10             | -100          | 0.00             | 164.20            | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>82.10</b>      | <b>-100</b>   | <b>0.00</b>      | <b>164.20</b>     | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                                        | 0                |                   | -100          | 6,823,397        |                   |               | 182,2440      |
| <b>United Kingdom of Great Britain and Northern Ireland - (Population**: 68,923)</b> |                  |                   |               |                  |                   |               |               |
| AI - Chlorofluorocarbons (CFCs)                                                      | -44.9            | 102,014.4         | -100          | -44.9            | 46,218.4          | -100          | 0             |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | -4.16            | 2,755.80          | -100          | -4.16            | 1,260.70          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>-49.06</b>    | <b>104,770.20</b> | <b>-100</b>   | <b>-49.06</b>    | <b>47,479.10</b>  | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                                        | -61,659          | 16,655,157        | -100          | 4,255,873        | 20,631,249        | -79.37        | 61,7482       |
| <b>United States of America - (Population**: 344,480)</b>                            |                  |                   |               |                  |                   |               |               |
| AI - Chlorofluorocarbons (CFCs)                                                      | -646.0           | 311,021.2         | -100          | -646.0           | 305,963.6         | -100          | 0             |
| AI - Halons                                                                          | -5.0             | 58,756.0          | -100          | -5.0             | 57,803.0          | -100          | 0             |
| BI - Other Fully Halogenated CFCs                                                    | -55.4            | 577.0             | -100          | -55.4            | 571.0             | -100          | 0             |
| BI - Carbon Tetrachloride (CTC)                                                      | -1,365.5         | 56,036.2          | -100          | -1,366.0         | 11,924.0          | -100          | 0             |
| BI - Methyl Chloroform (TCA)                                                         | -36.6            | 31,517.0          | -100          | -36.6            | 25,597.3          | -100          | 0             |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | -12.38           | 15,389.60         | -100          | -12.13           | 15,248.30         | -100          | 0             |
| EL - Methyl Bromide (MB)                                                             | -4.1             | 16,908.0          | -100          | -4.1             | 15,317.4          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>-2,124.98</b> | <b>490,205.00</b> | <b>-100</b>   | <b>-2,130.23</b> | <b>432,424.60</b> | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                                        | 126,568,185      | 382,005,967       | -66.87        | 171,774,769      | 302,538,289       | -43.22        | 498,6495      |
| <b>Uzbekistan - (Population**: 36,010)</b>                                           |                  |                   |               |                  |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                                | 0.00             | 37.40             | -100          | 0.30             | 74.70             | -99.60        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                                         | <b>0.00</b>      | <b>37.40</b>      | <b>-100</b>   | <b>0.30</b>      | <b>74.70</b>      | <b>-99.60</b> | <b>0.0000</b> |



**Annex Vc- Production and consumption of controlled substances - comparison of 2024 with baseline:  
Article 5 Parties 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. |
| <b>Afghanistan - (Population**: 42,045)</b>                      |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 10.61         | 23.60         | -55.04        | 0.0003         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>10.61</b>  | <b>23.60</b>  | <b>-55.04</b> | <b>0.0003</b>  |
| <b>Albania - (Population**: 2,802)</b>                           |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 2.47          | 6.00          | -58.83        | 0.0009         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>2.47</b>   | <b>6.00</b>   | <b>-58.83</b> | <b>0.0009</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 883,701       | 883,849       | -0.02         | 315.3822       |
| <b>Algeria - (Population**: 46,497)</b>                          |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 39.71         | 62.12         | -36.08        | 0.0009         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>39.71</b>  | <b>62.12</b>  | <b>-36.08</b> | <b>0.0009</b>  |
| <b>Angola - (Population**: 37,313)</b>                           |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 2.75          | 16.00         | -82.81        | 0.0001         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>2.75</b>   | <b>16.00</b>  | <b>-82.81</b> | <b>0.0001</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 3,877,981     | 3,878,000     | 0.00          | 103.9311       |
| <b>Antigua and Barbuda - (Population**: 94)</b>                  |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 0.00          | 0.30          | -100          | 0              |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.00</b>   | <b>0.30</b>   | <b>-100</b>   | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 85,977        |               |               | 914.6489       |
| <b>Argentina - (Population**: 45,618)</b>                        |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 100.03        | 224.60        | -55.46        | 158.45        | 400.70        | -60.46        | 0.0035         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>100.03</b> | <b>224.60</b> | <b>-55.46</b> | <b>158.45</b> | <b>400.70</b> | <b>-60.46</b> | <b>0.0035</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 4,803.138     | -100          | 13,194,064    | 19,219,484    | -31.35        | 289.2293       |
| <b>Bahamas - (Population**: 400)</b>                             |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 1.95          | 4.80          | -59.38        | 0.0049         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>1.95</b>   | <b>4.80</b>   | <b>-59.38</b> | <b>0.0049</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 130,508       | 227,203       | -42.56        | 326.2700       |
| <b>Bahrain - (Population**: 1,588)</b>                           |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 28.57         | 51.90         | -44.95        | 0.0180         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>28.57</b>  | <b>51.90</b>  | <b>-44.95</b> | <b>0.0180</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 1,844,909     |               |               | 1161.7815      |
| <b>Bangladesh - (Population**: 172,507)</b>                      |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 26.05         | 72.60         | -64.12        | 0.0002         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>26.05</b>  | <b>72.60</b>  | <b>-64.12</b> | <b>0.0002</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 4,133,238     | 5,473,532     | -24.49        | 23.9598        |
| <b>Barbados - (Population**: 282)</b>                            |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 0.69          | 3.70          | -81.35        | 0.0024         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.69</b>   | <b>3.70</b>   | <b>-81.35</b> | <b>0.0024</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 199,042       | 295,419       | -32.62        | 705.8227       |
| <b>Belize - (Population**: 414)</b>                              |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 0.56          | 2.80          | -80.00        | 0.0014         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.56</b>   | <b>2.80</b>   | <b>-80.00</b> | <b>0.0014</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 124,155       | 502,263       | -75.28        | 299.8913       |
| <b>Benin - (Population**: 14,288)</b>                            |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 8.80          | 23.80         | -63.03        | 0.0006         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>8.80</b>   | <b>23.80</b>  | <b>-63.03</b> | <b>0.0006</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 1,493,635     | 1,875,057     | -20.34        | 104.5377       |
| <b>Bhutan - (Population**: 789)</b>                              |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 0.01          | 0.30          | -96.67        | 0.0000         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.01</b>   | <b>0.30</b>   | <b>-96.67</b> | <b>0.0000</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 6,391         | 13,105        | -51.23        | 8.1001         |
| <b>Bolivia (Plurinational State of) - (Population**: 12,329)</b> |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 1.53          | 6.10          | -74.92        | 0.0001         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>1.53</b>   | <b>6.10</b>   | <b>-74.92</b> | <b>0.0001</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 647,503       | 677,884       | -4.48         | 52.5187        |
| <b>Bosnia and Herzegovina - (Population**: 3,176)</b>            |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 0.00          | 4.80          | -100          | 0              |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>0.00</b>   | <b>4.80</b>   | <b>-100</b>   | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 1,081,601     | 1,089,240     | -0.70         | 340.5545       |
| <b>Botswana - (Population**: 2,501)</b>                          |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 4.32          | 11.00         | -60.73        | 0.0017         |
| <b>Subtotal - Summation excludes Annex F</b>                     | <b>0.00</b>   | <b>0.00</b>   | <b>-100</b>   | <b>4.32</b>   | <b>11.00</b>  | <b>-60.73</b> | <b>0.0017</b>  |
| F - Hydrofluorocarbons (HFCs)                                    | 0             | 0             | -100          | 389,849       | 389,992       | -0.04         | 155.8772       |
| <b>Brazil - (Population**: 211,574)</b>                          |               |               |               |               |               |               |                |
| CI - Hydrochlorofluorocarbons (HCFCs)                            | 0.00          | 0.00          | -100          | 443.85        | 1,327.30      | -66.56        | 0.0021         |

|                                                                       |                  |                   |               |                 |                   |               |               |
|-----------------------------------------------------------------------|------------------|-------------------|---------------|-----------------|-------------------|---------------|---------------|
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>443.85</b>   | <b>1,327.30</b>   | <b>-66.56</b> | <b>0.0021</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 43,693,160      | 72,897,680        | -40.06        | 206,5148      |
| <b>Brunei Darussalam - (Population**: 461)</b>                        |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 2.54            | 6.10              | -58.36        | 0.0055        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>2.54</b>     | <b>6.10</b>       | <b>-58.36</b> | <b>0.0055</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 332,755         | 454,855           | -26.84        | 721.8113      |
| <b>Burkina Faso - (Population**: 23,286)</b>                          |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 2.82            | 28.90             | -90.24        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>2.82</b>     | <b>28.90</b>      | <b>-90.24</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 553,265         | 1,049,523         | -47.28        | 23,7596       |
| <b>Burundi - (Population**: 13,875)</b>                               |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 0.55            | 7.20              | -92.36        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>0.55</b>     | <b>7.20</b>       | <b>-92.36</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 56,206          | 207,530           | -72.92        | 4,0509        |
| <b>Cabo Verde - (Population**: 524)</b>                               |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 0.00            | 1.10              | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>0.00</b>     | <b>1.10</b>       | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 108,546         | 38,791            | 179.82        | 207,1489      |
| <b>Cambodia - (Population**: 17,533)</b>                              |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 7.54            | 15.00             | -49.73        | 0.0004        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>7.54</b>     | <b>15.00</b>      | <b>-49.73</b> | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 892,097         | 1,263,376         | -29.39        | 50,8810       |
| <b>Cameroon - (Population**: 28,748)</b>                              |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 22.20           | 88.80             | -75.00        | 0.0008        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>22.20</b>    | <b>88.80</b>      | <b>-75.00</b> | <b>0.0008</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 3,599,545       | 4,760,203         | -24.38        | 125,2103      |
| <b>Central African Republic - (Population**: 5,240)</b>               |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 5.98            | 12.00             | -50.17        | 0.0011        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>5.98</b>     | <b>12.00</b>      | <b>-50.17</b> | <b>0.0011</b> |
| <b>Chad - (Population**: 19,870)</b>                                  |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 10.04           | 16.10             | -37.64        | 0.0005        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>10.04</b>    | <b>16.10</b>      | <b>-37.64</b> | <b>0.0005</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 3,228,718       | 3,573,612         | -9.65         | 162,4921      |
| <b>Chile - (Population**: 19,714)</b>                                 |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 16.23           | 87.50             | -81.45        | 0.0008        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>16.23</b>    | <b>87.50</b>      | <b>-81.45</b> | <b>0.0008</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 3,581,813       | 6,698,107         | -46.52        | 181,6888      |
| <b>China - (Population**: 1,420,909)</b>                              |                  |                   |               |                 |                   |               |               |
| AI - Chlorofluorocarbons (CFCs)                                       | -20.9            | 47,003.9          | -100          | -20.9           | 57,818.7          | -100          | 0             |
| BI - Carbon Tetrachloride (CTC)                                       | 96.1             | 32,479.7          | -99.70        | 96.1            | 49,142.1          | -99.80        | 0.0001        |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 11,454.58        | 29,122.00         | -60.67        | 7,470.07        | 19,269.00         | -61.23        | 0.0053        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>11,529.78</b> | <b>108,605.60</b> | <b>-89.38</b> | <b>7,545.27</b> | <b>126,229.80</b> | <b>-94.02</b> | <b>0.0053</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 1,261,238,541    | 1,852,528,591     | -31.92        | 572,326,102     | 905,144,032       | -36.77        | 402,7887      |
| <b>Colombia - (Population**: 52,610)</b>                              |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 10.08           | 225.60            | -95.53        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>10.08</b>    | <b>225.60</b>     | <b>-95.53</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 4,647,331       | 8,652,982         | -46.29        | 88,3355       |
| <b>Comoros - (Population**: 859)</b>                                  |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 0.03            | 0.10              | -70.00        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>0.03</b>     | <b>0.10</b>       | <b>-70.00</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 20,217          | 34,958            | -42.17        | 23,5355       |
| <b>Congo - (Population**: 6,258)</b>                                  |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 4.92            | 10.14             | -51.48        | 0.0008        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>4.92</b>     | <b>10.14</b>      | <b>-51.48</b> | <b>0.0008</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 281,443         | 504,649           | -44.23        | 44,9733       |
| <b>Cook Islands - (Population**: 14)</b>                              |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 0.00            | 0.10              | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>0.00</b>     | <b>0.10</b>       | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 3,296           | 6,461             | -48.99        | 235,4286      |
| <b>Costa Rica - (Population**: 5,118)</b>                             |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | -0.06            | 0.00              | -100          | 3.87            | 14.10             | -72.55        | 0.0008        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>-0.06</b>     | <b>0.00</b>       | <b>-100</b>   | <b>3.87</b>     | <b>14.10</b>      | <b>-72.55</b> | <b>0.0008</b> |
| F - Hydrofluorocarbons (HFCs)                                         | -1,430           | 0                 | -100          | 1,324,607       | 1,450,799         | -8.70         | 258,8134      |
| <b>Côte d'Ivoire - (Population**: 31,548)</b>                         |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 19.25           | 63.80             | -69.83        | 0.0006        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>19.25</b>    | <b>63.80</b>      | <b>-69.83</b> | <b>0.0006</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 2,731,618       | 21,289,132        | -87.17        | 86,5861       |
| <b>Cuba - (Population**: 11,001)</b>                                  |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 2.44            | 16.90             | -85.56        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>2.44</b>     | <b>16.90</b>      | <b>-85.56</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 671,021         | 1,030,662         | -34.89        | 60,9964       |
| <b>Democratic People's Republic of Korea - (Population**: 26,460)</b> |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 21.61            | 27.60             | -21.70        | 51.43           | 78.00             | -34.06        | 0.0019        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>21.61</b>     | <b>27.60</b>      | <b>-21.70</b> | <b>51.43</b>    | <b>78.00</b>      | <b>-34.06</b> | <b>0.0019</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 656,370          | 1,102,320         | -40.46        | 656,370         | 1,906,435         | -65.57        | 24,8061       |
| <b>Democratic Republic of the Congo - (Population**: 107,516)</b>     |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 0.78            | 66.21             | -98.82        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>0.78</b>     | <b>66.21</b>      | <b>-98.82</b> | <b>0.0000</b> |
| <b>Djibouti - (Population**: 1,161)</b>                               |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 0.23            | 0.70              | -67.14        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>0.23</b>     | <b>0.70</b>       | <b>-67.14</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 219,822         | 220,941           | -0.51         | 189,3385      |
| <b>Dominica - (Population**: 66)</b>                                  |                  |                   |               |                 |                   |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                                 | 0.00             | 0.00              | -100          | 0.20            | 0.40              | -50.00        | 0.0030        |
| <b>Subtotal - Summation excludes Annex F</b>                          | <b>0.00</b>      | <b>0.00</b>       | <b>-100</b>   | <b>0.20</b>     | <b>0.40</b>       | <b>-50.00</b> | <b>0.0030</b> |
| F - Hydrofluorocarbons (HFCs)                                         | 0                | 0                 | -100          | 51,654          |                   |               | 782,6364      |

|                                                    |                 |                 |               |               |                 |               |
|----------------------------------------------------|-----------------|-----------------|---------------|---------------|-----------------|---------------|
| <b>Dominican Republic - (Population**: 11,380)</b> |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 28.28         | 51.20           | -44.77        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>28.28</b>  | <b>51.20</b>    | <b>0.0025</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 3,034,223     | 3,834,089       | -20.86        |
|                                                    |                 |                 |               |               |                 | 266,6277      |
| <b>Ecuador - (Population**: 18,058)</b>            |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 7.60          | 23.49           | -67.65        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>7.60</b>   | <b>23.49</b>    | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 2,010,343     | 3,179,294       | -36.77        |
|                                                    |                 |                 |               |               |                 | 111,3270      |
| <b>Egypt - (Population**: 115,578)</b>             |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 215.09        | 386.30          | -44.32        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>215.09</b> | <b>386.30</b>   | <b>0.0019</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 17,259,729    | 19,290,350      | -10.53        |
|                                                    |                 |                 |               |               |                 | 149,3340      |
| <b>El Salvador - (Population**: 6,324)</b>         |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 2.08          | 11.70           | -82.22        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>2.08</b>   | <b>11.70</b>    | <b>0.0003</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 862,827       | 922,362         | -6.45         |
|                                                    |                 |                 |               |               |                 | 136,4369      |
| <b>Equatorial Guinea - (Population**: 1,870)</b>   |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 0.50          | 6.31            | -92.08        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>0.50</b>   | <b>6.31</b>     | <b>0.0003</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 52,398        |                 |               |
|                                                    |                 |                 |               |               |                 | 28,0203       |
| <b>Eritrea - (Population**: 3,502)</b>             |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 0.39          | 1.09            | -64.22        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>0.39</b>   | <b>1.09</b>     | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 169,245       | 169,249         | 0.00          |
|                                                    |                 |                 |               |               |                 | 48,3281       |
| <b>Eswatini - (Population**: 1,236)</b>            |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 0.45          | 1.73            | -73.99        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>0.45</b>   | <b>1.73</b>     | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 78,365        | 105,500         | -25.72        |
|                                                    |                 |                 |               |               |                 | 63,4021       |
| <b>Ethiopia - (Population**: 130,355)</b>          |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 3.30          | 5.50            | -40.00        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>3.30</b>   | <b>5.50</b>     | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 199,749       | 347,035         | -42.44        |
|                                                    |                 |                 |               |               |                 | 1,5323        |
| <b>Fiji - (Population**: 927)</b>                  |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 2.63          | 5.73            | -54.10        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>2.63</b>   | <b>5.73</b>     | <b>0.0028</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 289,332       | 443,528         | -34.77        |
|                                                    |                 |                 |               |               |                 | 312,1165      |
| <b>Gabon - (Population**: 2,512)</b>               |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 6.66          | 30.20           | -77.95        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>6.66</b>   | <b>30.20</b>    | <b>0.0027</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 963,332       | 2,182,210       | -55.86        |
|                                                    |                 |                 |               |               |                 | 383,4920      |
| <b>Gambia - (Population**: 2,729)</b>              |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 0.17          | 1.50            | -88.67        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>0.17</b>   | <b>1.50</b>     | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 177,868       | 271,515         | -34.49        |
|                                                    |                 |                 |               |               |                 | 65,1770       |
| <b>Georgia - (Population**: 3,808)</b>             |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 1.46          | 5.30            | -72.45        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>1.46</b>   | <b>5.30</b>     | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 448,285       | 813,152         | -44.87        |
|                                                    |                 |                 |               |               |                 | 117,7219      |
| <b>Ghana - (Population**: 34,108)</b>              |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 13.77         | 57.30           | -75.97        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>13.77</b>  | <b>57.30</b>    | <b>0.0004</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 716,142       | 1,805,702       | -60.34        |
|                                                    |                 |                 |               |               |                 | 20,9963       |
| <b>Grenada - (Population**: 117)</b>               |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 0.02          | 0.80            | -97.50        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>0.02</b>   | <b>0.80</b>     | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 48,400        | 52,815          | -8.36         |
|                                                    |                 |                 |               |               |                 | 413,6752      |
| <b>Guatemala - (Population**: 18,265)</b>          |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 1.84          | 8.30            | -77.83        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>1.84</b>   | <b>8.30</b>     | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 945,404       | 1,217,998       | -22.38        |
|                                                    |                 |                 |               |               |                 | 51,7604       |
| <b>Guinea - (Population**: 14,582)</b>             |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 0.55          | 0.90            | -38.89        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>0.55</b>   | <b>0.90</b>     | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 1,836,016     | 1,798,954       | 2.06          |
|                                                    |                 |                 |               |               |                 | 125,9098      |
| <b>Guinea-Bissau - (Population**: 2,177)</b>       |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 0.61          | 2.83            | -78.45        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>0.61</b>   | <b>2.83</b>     | <b>0.0003</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 568,512       | 722,391         | -21.30        |
|                                                    |                 |                 |               |               |                 | 261,1447      |
| <b>Guyana - (Population**: 829)</b>                |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 0.25          | 1.80            | -86.11        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>0.25</b>   | <b>1.80</b>     | <b>0.0003</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 218,744       |                 |               |
|                                                    |                 |                 |               |               |                 | 263,8649      |
| <b>Haiti - (Population**: 11,705)</b>              |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 2.05          | 3.63            | -43.53        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>2.05</b>   | <b>3.63</b>     | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 56,307        |                 |               |
|                                                    |                 |                 |               |               |                 | 4,8105        |
| <b>Honduras - (Population**: 10,735)</b>           |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 3.17          | 19.90           | -84.07        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>3.17</b>   | <b>19.90</b>    | <b>0.0003</b> |
| F - Hydrofluorocarbons (HFCs)                      | 0               | 0               | -100          | 1,415,981     | 1,449,723       | -2.33         |
|                                                    |                 |                 |               |               |                 | 131,9032      |
| <b>India - (Population**: 1,444,436)</b>           |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 1,361.95        | 2,399.50        | -43.24        | 469.95        | 1,608.20        | -70.78        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>1,361.95</b> | <b>2,399.50</b> | <b>-43.24</b> | <b>469.95</b> | <b>1,608.20</b> | <b>0.0003</b> |
| F - Hydrofluorocarbons (HFCs)                      | 68,449.052      |                 |               | 66,796.901    |                 |               |
|                                                    |                 |                 |               |               |                 | 46,2443       |
| <b>Indonesia - (Population**: 282,354)</b>         |                 |                 |               |               |                 |               |
| CI - Hydrochlorofluorocarbons (HCFCs)              | 0.00            | 0.00            | -100          | 130.95        | 403.90          | -67.58        |
| <b>Subtotal - Summation excludes Annex F</b>       | <b>0.00</b>     | <b>0.00</b>     | <b>-100</b>   | <b>130.95</b> | <b>403.90</b>   | <b>0.0005</b> |

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

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

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

|                                                                    |              |               |             |               |               |               |               |
|--------------------------------------------------------------------|--------------|---------------|-------------|---------------|---------------|---------------|---------------|
| <b>Syrian Arab Republic - (Population**: 24,175)</b>               |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 37.57         | 135.00        | -72.17        | 0.0016        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>37.57</b>  | <b>135.00</b> | <b>-72.17</b> | <b>0.0016</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 4,819,006     | 18,150,706    | -73.45        | 199.3384      |
| <b>Thailand - (Population**: 71,689)</b>                           |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 305.04        | 927.60        | -67.12        | 0.0043        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>305.04</b> | <b>927.60</b> | <b>-67.12</b> | <b>0.0043</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 32,708,003    | 59,270,951    | -44.82        | 456.2486      |
| <b>Timor-Leste - (Population**: 1,392)</b>                         |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 0.15          | 0.50          | -70.00        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>0.15</b>   | <b>0.50</b>   | <b>-70.00</b> | <b>0.0001</b> |
| <b>Togo - (Population**: 9,412)</b>                                |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 5.58          | 20.00         | -72.10        | 0.0006        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>5.58</b>   | <b>20.00</b>  | <b>-72.10</b> | <b>0.0006</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 1,116,869     | 1,124,896     | -0.71         | 118.6644      |
| <b>Tonga - (Population**: 104)</b>                                 |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 0.00          | 0.10          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>0.00</b>   | <b>0.10</b>   | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 5,112         | 7,676         | -33.40        | 49.1538       |
| <b>Trinidad and Tobago - (Population**: 1,506)</b>                 |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 7.83          | 46.00         | -82.98        | 0.0052        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>7.83</b>   | <b>46.00</b>  | <b>-82.98</b> | <b>0.0052</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 2,967,132     | 5,681,787     | -47.78        | 1970.2072     |
| <b>Tunisia - (Population**: 12,240)</b>                            |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 14.98         | 40.70         | -63.19        | 0.0012        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>14.98</b>  | <b>40.70</b>  | <b>-63.19</b> | <b>0.0012</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 1,166,379     | 2,367,840     | -50.74        | 95.2924       |
| <b>Türkiye - (Population**: 87,372)</b>                            |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 2.75          | 551.47        | -99.50        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>2.75</b>   | <b>551.47</b> | <b>-99.50</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                      | -4,503       | 0             | -100        | 18,995,525    | 37,117,410    | -48.82        | 217.4098      |
| <b>Turkmenistan - (Population**: 7,431)</b>                        |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 3.54          | 6.80          | -47.94        | 0.0005        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>3.54</b>   | <b>6.80</b>   | <b>-47.94</b> | <b>0.0005</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 352,131       | 597,121       | -41.03        | 47.3868       |
| <b>Tuvalu - (Population**: 10)</b>                                 |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 0.00          | 0.10          | -100          | 0             |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>0.00</b>   | <b>0.10</b>   | <b>-100</b>   | <b>0</b>      |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 613           | 2,648         | -76.85        | 61.3000       |
| <b>Uganda - (Population**: 49,332)</b>                             |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 0.07          | 0.20          | -65.00        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>0.07</b>   | <b>0.20</b>   | <b>-65.00</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 35,728        | 39,432        | -9.39         | 0.7242        |
| <b>United Arab Emirates - (Population**: 10,839)</b>               |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 359.69        | 557.10        | -35.44        | 0.0332        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>359.69</b> | <b>557.10</b> | <b>-35.44</b> | <b>0.0332</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 13,962,760   |               |             | 149,066,355   |               |               | 13752.7775    |
| <b>United Republic of Tanzania - (Population**: 67,578)</b>        |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 0.65          | 1.70          | -61.76        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>0.65</b>   | <b>1.70</b>   | <b>-61.76</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 143,372       | 218,611       | -34.42        | 2.1216        |
| <b>Uruguay - (Population**: 3,387)</b>                             |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 10.76         | 23.40         | -54.02        | 0.0032        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>10.76</b>  | <b>23.40</b>  | <b>-54.02</b> | <b>0.0032</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 528,576       | 1,012,431     | -47.79        | 156.0602      |
| <b>Vanuatu - (Population**: 324)</b>                               |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 0.01          | 0.30          | -96.67        | 0.0000        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>0.01</b>   | <b>0.30</b>   | <b>-96.67</b> | <b>0.0000</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 17,133        | 23,529        | -27.18        | 52.8796       |
| <b>Venezuela (Bolivarian Republic of) - (Population**: 28,351)</b> |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 123.10        | -100        | 84.73         | 207.00        | -59.07        | 0.0030        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>123.10</b> | <b>-100</b> | <b>84.73</b>  | <b>207.00</b> | <b>-59.07</b> | <b>0.0030</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 2,631,742     | -100        | 3,452,171     | 5,157,619     | -33.07        | 121.7654      |
| <b>Viet Nam - (Population**: 100,675)</b>                          |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | -0.01        | 0.00          | -100        | 142.61        | 221.20        | -35.53        | 0.0014        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>-0.01</b> | <b>0.00</b>   | <b>-100</b> | <b>142.61</b> | <b>221.20</b> | <b>-35.53</b> | <b>0.0014</b> |
| F - Hydrofluorocarbons (HFCs)                                      | -5,250       | 0             | -100        | 11,337,312    | 13,991,360    | -18.97        | 112.6130      |
| <b>Yemen - (Population**: 39,987)</b>                              |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 65.18         | 158.20        | -58.80        | 0.0016        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>65.18</b>  | <b>158.20</b> | <b>-58.80</b> | <b>0.0016</b> |
| <b>Zambia - (Population**: 21,018)</b>                             |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 1.99          | 5.00          | -60.20        | 0.0001        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>1.99</b>   | <b>5.00</b>   | <b>-60.20</b> | <b>0.0001</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 616,171       | 699,513       | -11.91        | 29.3163       |
| <b>Zimbabwe - (Population**: 16,478)</b>                           |              |               |             |               |               |               |               |
| CI - Hydrochlorofluorocarbons (HCFCs)                              | 0.00         | 0.00          | -100        | 3.44          | 17.80         | -80.67        | 0.0002        |
| <b>Subtotal - Summation excludes Annex F</b>                       | <b>0.00</b>  | <b>0.00</b>   | <b>-100</b> | <b>3.44</b>   | <b>17.80</b>  | <b>-80.67</b> | <b>0.0002</b> |
| F - Hydrofluorocarbons (HFCs)                                      | 0            | 0             | -100        | 820,451       | 1,210,624     | -32.23        | 49.7907       |

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

**Key**

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

|                                                                     | PRODUCTION*      |                   |                | CONSUMPTION*     |                   |               |                |
|---------------------------------------------------------------------|------------------|-------------------|----------------|------------------|-------------------|---------------|----------------|
|                                                                     | 2025             | Base              | % Chng         | 2025             | Base              | % Chng        | Per Cap. Cons. |
| <b>Africa - 41 (Population**: 1,154,148)</b>                        |                  |                   |                |                  |                   |               |                |
| AI - Chlorofluorocarbons (CFCs)                                     | 0.0              | 542.3             | -100           | 0.0              | 10,892.1          | -100          | 0              |
| AII - Halons                                                        | 0.0              | 0.0               | -100           | 0.0              | 1,954.9           | -100          | 0              |
| BI - Other Fully Halogenated CFCs                                   | 0.0              | 0.0               | -100           | 0.0              | 0.1               | -100          | 0              |
| BII - Carbon Tetrachloride (CTC)                                    | 0.0              | 0.0               | -100           | 0.0              | 293.5             | -100          | 0              |
| BIII - Methyl Chloroform (TCA)                                      | 0.0              | 0.0               | -100           | 0.0              | 73.3              | -100          | 0              |
| CI - Hydrochlorofluorocarbons (HCFCs)                               | 0.00             | 0.00              | -100           | 415.26           | 1,838.30          | -77.41        | 0.0004         |
| CII - Hydrobromofluorocarbons (HBFCs)                               | 0.0              | 0.0               | -100           | 0.0              | 0.0               | -100          | 0              |
| CIII - Bromochloromethane (BCM)                                     | 0.0              | 0.0               | -100           | 0.0              | 0.0               | -100          | 0              |
| EI - Methyl Bromide (MB)                                            | 0.0              | 0.0               | -100           | 0.0              | 2,639.5           | -100          | 0              |
| <b>Subtotal - Summation excludes Annex F</b>                        | <b>0.00</b>      | <b>542.30</b>     | <b>-100</b>    | <b>415.26</b>    | <b>17,691.70</b>  | <b>-97.65</b> | <b>0.0004</b>  |
| F - Hydrofluorocarbons (HFCs)                                       | 0                | 0                 | -100           | 72,424,403       | 94,001,768        | -22.95        | 62,7514        |
| <b>Asia-Pacific - 36 (Population**: 1,127,657)</b>                  |                  |                   |                |                  |                   |               |                |
| AI - Chlorofluorocarbons (CFCs)                                     | 0.0              | 119,997.8         | -100           | 0.0              | 145,525.7         | -100          | 0              |
| AII - Halons                                                        | 0.0              | 28,419.0          | -100           | 0.0              | 20,608.4          | -100          | 0              |
| BI - Other Fully Halogenated CFCs                                   | 0.0              | 2,342.0           | -100           | 0.0              | 2,331.2           | -100          | 0              |
| BII - Carbon Tetrachloride (CTC)                                    | 7.9              | 19,602.0          | -99.96         | 7.9              | 75,651.5          | -99.99        | 0.0000         |
| BIII - Methyl Chloroform (TCA)                                      | 0.0              | 15,636.4          | -100           | 0.0              | 17,556.9          | -100          | 0              |
| CI - Hydrochlorofluorocarbons (HCFCs)                               | 0.00             | 5,649.70          | -100           | 1,020.74         | 9,352.82          | -89.09        | 0.0009         |
| CII - Hydrobromofluorocarbons (HBFCs)                               | 0.0              | 0.0               | -100           | 0.0              | 0.0               | -100          | 0              |
| CIII - Bromochloromethane (BCM)                                     | 0.0              | 0.0               | -100           | 0.0              | 0.0               | -100          | 0              |
| EI - Methyl Bromide (MB)                                            | 0.0              | 3,376.1           | -100           | 0.0              | 4,450.2           | -100          | 0              |
| <b>Subtotal - Summation excludes Annex F</b>                        | <b>7.90</b>      | <b>195,023.00</b> | <b>-100.00</b> | <b>1,028.64</b>  | <b>275,276.72</b> | <b>-99.63</b> | <b>0.0009</b>  |
| F - Hydrofluorocarbons (HFCs)                                       | 19,595,452       | 50,038,599        | -60.84         | 101,414,169      | 131,362,134       | -22.80        | 89,9335        |
| <b>Eastern Europe - 13 (Population**: 232,011)</b>                  |                  |                   |                |                  |                   |               |                |
| AI - Chlorofluorocarbons (CFCs)                                     | -12.6            | 107,273.6         | -100           | 0.0              | 101,369.4         | -100          | 0              |
| AII - Halons                                                        | 0.0              | 27,800.0          | -100           | 0.0              | 28,848.6          | -100          | 0              |
| BI - Other Fully Halogenated CFCs                                   | 0.0              | 300.0             | -100           | 0.0              | 300.0             | -100          | 0              |
| BII - Carbon Tetrachloride (CTC)                                    | -16.4            | 112,535.5         | -100           | -0.1             | 103,313.0         | -100          | 0              |
| BIII - Methyl Chloroform (TCA)                                      | 0.0              | 330.0             | -100           | 0.0              | 330.0             | -100          | 0              |
| CI - Hydrochlorofluorocarbons (HCFCs)                               | 12.28            | 4,563.40          | -99.73         | 21.82            | 4,017.40          | -99.46        | 0.0001         |
| CII - Hydrobromofluorocarbons (HBFCs)                               | 0.0              | 0.0               | -100           | 0.0              | 0.0               | -100          | 0              |
| CIII - Bromochloromethane (BCM)                                     | 0.0              | 0.0               | -100           | 0.0              | 0.0               | -100          | 0              |
| EI - Methyl Bromide (MB)                                            | 0.0              | 0.0               | -100           | 0.0              | 22.0              | -100          | 0              |
| <b>Subtotal - Summation excludes Annex F</b>                        | <b>-16.72</b>    | <b>252,802.50</b> | <b>-100</b>    | <b>21.72</b>     | <b>238,200.40</b> | <b>-99.99</b> | <b>0.0001</b>  |
| F - Hydrofluorocarbons (HFCs)                                       | 386,046          | 16,119,686        | -97.61         | 35,406,244       | 53,843,986        | -34.24        | 152,6059       |
| <b>Latin America and the Caribbean - 25 (Population**: 602,119)</b> |                  |                   |                |                  |                   |               |                |
| AI - Chlorofluorocarbons (CFCs)                                     | 0.0              | 23,969.8          | -100           | 0.0              | 25,824.4          | -100          | 0              |
| AII - Halons                                                        | 0.0              | 0.0               | -100           | 0.0              | 558.8             | -100          | 0              |
| BI - Other Fully Halogenated CFCs                                   | 0.0              | 0.0               | -100           | 0.0              | 8.9               | -100          | 0              |
| BII - Carbon Tetrachloride (CTC)                                    | 0.0              | 11,629.6          | -100           | 0.0              | 685.9             | -100          | 0              |
| BIII - Methyl Chloroform (TCA)                                      | 0.0              | 32.4              | -100           | 0.0              | 159.6             | -100          | 0              |
| CI - Hydrochlorofluorocarbons (HCFCs)                               | 131.25           | 921.60            | -85.76         | 649.58           | 3,357.83          | -80.65        | 0.0011         |
| CII - Hydrobromofluorocarbons (HBFCs)                               | 0.0              | 0.0               | -100           | 0.0              | 0.0               | -100          | 0              |
| CIII - Bromochloromethane (BCM)                                     | 0.0              | 0.0               | -100           | 0.0              | 0.0               | -100          | 0              |
| EI - Methyl Bromide (MB)                                            | 0.0              | 0.0               | -100           | 19.2             | 3,495.6           | -99.45        | 0.0000         |
| <b>Subtotal - Summation excludes Annex F</b>                        | <b>131.25</b>    | <b>36,553.40</b>  | <b>-99.64</b>  | <b>668.78</b>    | <b>34,091.03</b>  | <b>-98.04</b> | <b>0.0011</b>  |
| F - Hydrofluorocarbons (HFCs)                                       | -420,658         | 19,711,628        | -100           | 125,963,486      | 201,377,173       | -37.45        | 209,2003       |
| <b>Western Europe and Others - 22 (Population**: 990,124)</b>       |                  |                   |                |                  |                   |               |                |
| AI - Chlorofluorocarbons (CFCs)                                     | -214.4           | 477,935.4         | -100           | -276.2           | 393,249.3         | -100          | 0              |
| AII - Halons                                                        | -22.0            | 71,193.0          | -100           | -22.1            | 60,988.6          | -100          | 0              |
| BI - Other Fully Halogenated CFCs                                   | 0.0              | 99.0              | -100           | 0.0              | 94.3              | -100          | 0              |
| BII - Carbon Tetrachloride (CTC)                                    | -4,862.0         | 132,586.3         | -100           | -8,486.4         | 64,973.4          | -100          | 0              |
| BIII - Methyl Chloroform (TCA)                                      | 0.0              | 22,007.1          | -100           | 0.0              | 16,743.7          | -100          | 0              |
| CI - Hydrochlorofluorocarbons (HCFCs)                               | -15.39           | 15,034.00         | -100           | -10.13           | 11,280.00         | -100          | 0              |
| CII - Hydrobromofluorocarbons (HBFCs)                               | 0.0              | 0.0               | -100           | 0.0              | 0.0               | -100          | 0              |
| CIII - Bromochloromethane (BCM)                                     | 0.0              | 0.0               | -100           | -27.4            | 0.0               | -100          | 0              |
| EI - Methyl Bromide (MB)                                            | 0.0              | 2,517.0           | -100           | -11.6            | 12,489.4          | -100          | 0              |
| <b>Subtotal - Summation excludes Annex F</b>                        | <b>-5,113.79</b> | <b>721,371.80</b> | <b>-100</b>    | <b>-8,833.83</b> | <b>559,818.70</b> | <b>-100</b>   | <b>0</b>       |
| F - Hydrofluorocarbons (HFCs)                                       | 368,974          | 103,536,063       | -99.64         | 50,860,730       | 215,913,482       | -76.44        | 51,3680        |



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

**Key**

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

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

**Annex VIIa- Production, import and export of controlled substances - comparison of 2025 with baseline:  
Summary for All parties (ODP/CO<sub>2</sub>-eq tonnes).**

**Key**

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

|                                                             | PRODUCTION*      |                     |               | IMPORTS*        | EXPORTS*         |
|-------------------------------------------------------------|------------------|---------------------|---------------|-----------------|------------------|
|                                                             | 2025             | Base                | % Chng        | 2025            | 2025             |
| <b>All Parties - 137 (Population**: 4,106,059)</b>          |                  |                     |               |                 |                  |
| AI - Chlorofluorocarbons (CFCs)                             | -227.0           | 729,718.9           | -100          | 40.1            | 0.0              |
| AII - Halons                                                | -22.0            | 127,412.0           | -100          | 2,399.3         | 0.0              |
| BI - Other Fully Halogenated CFCs                           | 0.0              | 2,741.0             | -100          | 0.0             | 0.0              |
| BII - Carbon Tetrachloride (CTC)                            | -4,870.5         | 276,353.4           | -100          | 1,106.5         | 58,297.1         |
| BIII - Methyl Chloroform (TCA)                              | 0.0              | 38,005.9            | -100          | 0.0             | 0.0              |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 128.14           | 26,168.70           | -99.51        | 3,570.49        | 1,103.97         |
| CII - Hydrobromofluorocarbons (HBFCs)                       | 0.0              |                     | -100          | 0.7             | 0.0              |
| CIII - Bromochloromethane (BCM)                             | 0.0              |                     | -100          | 154.2           | 27.4             |
| EI - Methyl Bromide (MB)                                    | 0.0              | 5,893.1             | -100          | 1,489.3         | 29.7             |
| <i>Subtotal - Summation excludes Annex F</i>                | <i>-4,991.36</i> | <i>1,206,293.00</i> | <i>-100</i>   | <i>8,760.54</i> | <i>59,458.12</i> |
| F - Hydrofluorocarbons (HFCs)                               | 19,929,814       | 189,405,976         | -89.48        | 426,262,214     | 60,707,910       |
| <b>Article 5 Parties - 104 (Population**: 2,773,066)</b>    |                  |                     |               |                 |                  |
| AI - Chlorofluorocarbons (CFCs)                             | 0.0              | 24,512.1            | -100          | 0.0             | 0.0              |
| AII - Halons                                                | 0.0              | 0.0                 | -100          | 0.0             | 0.0              |
| BI - Other Fully Halogenated CFCs                           | 0.0              | 0.0                 | -100          | 0.0             | 0.0              |
| BII - Carbon Tetrachloride (CTC)                            | 0.0              | 11,629.6            | -100          | 0.0             | 0.0              |
| BIII - Methyl Chloroform (TCA)                              | 0.0              | 32.4                | -100          | 0.0             | 0.0              |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 131.25           | 921.60              | -85.76        | 2,021.88        | 83.99            |
| CII - Hydrobromofluorocarbons (HBFCs)                       | 0.0              |                     | -100          | 0.0             | 0.0              |
| CIII - Bromochloromethane (BCM)                             | 0.0              |                     | -100          | 71.1            | 0.0              |
| EI - Methyl Bromide (MB)                                    | 0.0              | 0.0                 | -100          | 1,037.1         | 2.3              |
| <i>Subtotal - Summation excludes Annex F</i>                | <i>131.25</i>    | <i>37,095.70</i>    | <i>-99.65</i> | <i>3,130.09</i> | <i>86.24</i>     |
| F - Hydrofluorocarbons (HFCs)                               | 420,658          | 19,711,628          | -100          | 295,907,393     | 13,953,820       |
| <b>Non-Article 5 Parties - 33 (Population**: 1,332,993)</b> |                  |                     |               |                 |                  |
| AI - Chlorofluorocarbons (CFCs)                             | -227.0           | 705,206.8           | -100          | 40.1            | 0.0              |
| AII - Halons                                                | -22.0            | 127,412.0           | -100          | 2,399.3         | 0.0              |
| BI - Other Fully Halogenated CFCs                           | 0.0              | 2,741.0             | -100          | 0.0             | 0.0              |
| BII - Carbon Tetrachloride (CTC)                            | -4,870.5         | 264,723.8           | -100          | 1,106.5         | 58,297.1         |
| BIII - Methyl Chloroform (TCA)                              | 0.0              | 37,973.5            | -100          | 0.0             | 0.0              |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | -3.11            | 25,247.10           | -100          | 1,548.61        | 1,019.98         |
| CII - Hydrobromofluorocarbons (HBFCs)                       | 0.0              |                     | -100          | 0.7             | 0.0              |
| CIII - Bromochloromethane (BCM)                             | 0.0              |                     | -100          | 83.1            | 27.4             |
| EI - Methyl Bromide (MB)                                    | 0.0              | 5,893.1             | -100          | 452.1           | 27.4             |
| <i>Subtotal - Summation excludes Annex F</i>                | <i>-5,122.61</i> | <i>1,169,197.30</i> | <i>-100</i>   | <i>5,630.45</i> | <i>59,371.89</i> |
| F - Hydrofluorocarbons (HFCs)                               | 20,350,472       | 169,694,348         | -88.01        | 130,354,821     | 46,754,090       |

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

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

|                                                             | IMPORTS*    |           | EXPORTS*   |           |
|-------------------------------------------------------------|-------------|-----------|------------|-----------|
|                                                             | New         | Recovered | New        | Recovered |
| <b>All Parties - 137 (Population**: 4,106,059)</b>          |             |           |            |           |
| AI - Chlorofluorocarbons (CFCs)                             | 40.1        | 44.8      | 0.0        | 19.7      |
| AII - Halons                                                | 2,399.3     | 391.7     | 0.0        | 442.6     |
| BI - Other Fully Halogenated CFCs                           | 0.0         | 0.0       | 0.0        | 0.0       |
| BII - Carbon Tetrachloride (CTC)                            | 1,106.5     | 0.0       | 58,297.1   | 0.0       |
| BIII - Methyl Chloroform (TCA)                              | 0.0         | 0.0       | 0.0        | 0.0       |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 3,570.49    | 1.02      | 1,103.97   | 18.24     |
| CII - Hydrobromofluorocarbons (HBFCs)                       | 0.7         | 0.0       | 0.0        | 0.0       |
| CIII - Bromochloromethane (BCM)                             | 154.2       | 0.0       | 27.4       | 0.0       |
| EI - Methyl Bromide (MB)                                    | 1,489.3     | 0.0       | 29.7       | 0.0       |
| Subtotal - Summation excludes Annex F                       | 8,760.54    | 437.49    | 59,458.12  | 480.50    |
| F - Hydrofluorocarbons (HFCs)                               | 426,262.214 | 1,969,856 | 60,707.910 | 2,006,546 |
| <b>Article 5 Parties - 104 (Population**: 2,773,066)</b>    |             |           |            |           |
| AI - Chlorofluorocarbons (CFCs)                             | 0.0         | 0.0       | 0.0        | 0.0       |
| AII - Halons                                                | 0.0         | 106.9     | 0.0        | 70.0      |
| BI - Other Fully Halogenated CFCs                           | 0.0         | 0.0       | 0.0        | 0.0       |
| BII - Carbon Tetrachloride (CTC)                            | 0.0         | 0.0       | 0.0        | 0.0       |
| BIII - Methyl Chloroform (TCA)                              | 0.0         | 0.0       | 0.0        | 0.0       |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 2,021.88    | 0.44      | 83.99      | 0.00      |
| CII - Hydrobromofluorocarbons (HBFCs)                       | 0.0         | 0.0       | 0.0        | 0.0       |
| CIII - Bromochloromethane (BCM)                             | 71.1        | 0.0       | 0.0        | 0.0       |
| EI - Methyl Bromide (MB)                                    | 1,037.1     | 0.0       | 2.3        | 0.0       |
| Subtotal - Summation excludes Annex F                       | 3,130.09    | 107.31    | 86.24      | 70.00     |
| F - Hydrofluorocarbons (HFCs)                               | 295,907.393 | 683,756   | 13,953.820 | 12,824    |
| <b>Non-Article 5 Parties - 33 (Population**: 1,332,993)</b> |             |           |            |           |
| AI - Chlorofluorocarbons (CFCs)                             | 40.1        | 44.8      | 0.0        | 19.7      |
| AII - Halons                                                | 2,399.3     | 284.8     | 0.0        | 372.6     |
| BI - Other Fully Halogenated CFCs                           | 0.0         | 0.0       | 0.0        | 0.0       |
| BII - Carbon Tetrachloride (CTC)                            | 1,106.5     | 0.0       | 58,297.1   | 0.0       |
| BIII - Methyl Chloroform (TCA)                              | 0.0         | 0.0       | 0.0        | 0.0       |
| CI - Hydrochlorofluorocarbons (HCFCs)                       | 1,548.61    | 0.58      | 1,019.98   | 18.24     |
| CII - Hydrobromofluorocarbons (HBFCs)                       | 0.7         | 0.0       | 0.0        | 0.0       |
| CIII - Bromochloromethane (BCM)                             | 83.1        | 0.0       | 27.4       | 0.0       |
| EI - Methyl Bromide (MB)                                    | 452.1       | 0.0       | 27.4       | 0.0       |
| Subtotal - Summation excludes Annex F                       | 5,630.45    | 330.18    | 59,371.89  | 410.49    |
| F - Hydrofluorocarbons (HFCs)                               | 130,354.821 | 1,286,100 | 46,754.090 | 1,993,723 |

**Annex VIIIb- Import and Export of New and Recovered controlled substances in 2024:  
Summary for All parties (ODP/CO<sub>2</sub>-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.

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

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

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

|                                                                            |    |                    |                    |
|----------------------------------------------------------------------------|----|--------------------|--------------------|
| HFC-32                                                                     | F  | 13.14200           |                    |
| <b>Sub-total 2025 European Union</b>                                       |    | <b>96.86300</b>    | <b>151.49200</b>   |
| <b>Japan</b>                                                               |    |                    |                    |
| HCFC-123**                                                                 | CI |                    | 10.18200           |
| HCFC-22                                                                    | CI |                    | 31.53259           |
| HFC-125                                                                    | F  | 257.96250          | 315.26493          |
| HFC-134a                                                                   | F  |                    | 33.04370           |
| HFC-143a                                                                   | F  |                    | 7.24168            |
| HFC-32                                                                     | F  | 257.96250          | 307.67372          |
| <b>Sub-total 2025 Japan</b>                                                |    | <b>515.92500</b>   | <b>704.93860</b>   |
| <b>New Zealand</b>                                                         |    |                    |                    |
| CFC-115                                                                    | AI |                    | 0.02000            |
| CFC-12                                                                     | AI |                    | 0.05000            |
| HALON-1301                                                                 | AI |                    | 0.00113            |
| HCFC-123**                                                                 | CI |                    | 0.34425            |
| HCFC-124**                                                                 | CI |                    | 0.64260            |
| HCFC-141B                                                                  | CI |                    | 20.63788           |
| HCFC-142B                                                                  | CI |                    | 0.00593            |
| HCFC-22                                                                    | CI |                    | 5.15000            |
| HFC-125                                                                    | F  | 1.77560            | 11.04030           |
| HFC-134a                                                                   | F  | 25.22960           | 9.78824            |
| HFC-143a                                                                   | F  | 0.38480            | 5.97417            |
| HFC-152a                                                                   | F  |                    | 0.01215            |
| HFC-227ea                                                                  | F  |                    | 0.02782            |
| HFC-32                                                                     | F  | 1.45000            | 5.55254            |
| <b>Sub-total 2025 New Zealand</b>                                          |    | <b>28.84000</b>    | <b>59.24701</b>    |
| <b>Norway</b>                                                              |    |                    |                    |
| CFC-115                                                                    | AI |                    | 0.16060            |
| CFC-12                                                                     | AI |                    | 1.18216            |
| CFC-13                                                                     | BI |                    | 0.01230            |
| HALON-1211                                                                 | AI | 0.11801            | 0.00424            |
| HALON-1301                                                                 | AI | 0.03939            | 0.02685            |
| HFC-125                                                                    | F  | 0.07744            | 23.61800           |
| HFC-134a                                                                   | F  | 0.00704            | 17.26800           |
| HFC-143a                                                                   | F  | 0.09152            | 7.17000            |
| HFC-152a                                                                   | F  | 1.60000            | 0.02100            |
| HFC-227ea                                                                  | F  |                    | 3.34800            |
| HFC-23                                                                     | F  |                    | 0.00400            |
| HFC-32                                                                     | F  |                    | 18.35300           |
| <b>Sub-total 2025 Norway</b>                                               |    | <b>1.93340</b>     | <b>71.16815</b>    |
| <b>United Kingdom of Great Britain and Northern Ireland</b>                |    |                    |                    |
| HALON-1211                                                                 | AI | 8.06200            | 4.31700            |
| HALON-1301                                                                 | AI | 7.81200            | 3.31700            |
| HCFC-22                                                                    | CI |                    | 34.99000           |
| HFC-227ea                                                                  | F  |                    | 0.99800            |
| <b>Sub-total 2025 United Kingdom of Great Britain and Northern Ireland</b> |    | <b>15.87400</b>    | <b>43.62200</b>    |
| <b>Sub-total 2025 Non-Article 5 Parties</b>                                |    | <b>709.37390</b>   | <b>1,290.04649</b> |
| <b>Total 2025 All Parties</b>                                              |    | <b>1,056.69230</b> | <b>1,300.31749</b> |

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

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



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

|            |     |          |          |
|------------|-----|----------|----------|
| HALON-1211 | All | 6.78600  | 6.50800  |
| HALON-1301 | All | 30.86100 | 18.59400 |
| HCFC-22    | CI  | 0.90000  |          |
| HFC-227ea  | F   | 1.55000  |          |
| HFC-245fa  | F   | 0.02100  |          |

**Sub-total 2024 United Kingdom of Great Britain and Northern Ireland**

40.12272

25.10200

**United States of America**

|            |     |           |          |
|------------|-----|-----------|----------|
| CFC-11     | AI  | 28.24000  |          |
| CFC-113    | AI  | 0.37000   |          |
| CFC-114    | AI  | 0.18000   |          |
| CFC-115    | AI  | 1.81000   |          |
| CFC-12     | AI  | 12.36000  |          |
| HALON-1211 | All | 0.07000   | 2.28000  |
| HALON-1301 | All | 82.67000  | 66.33000 |
| HCFC-123** | CI  | 34.12000  |          |
| HCFC-124** | CI  | 1.32000   |          |
| HCFC-141B  | CI  | 11.50000  |          |
| HCFC-142B  | CI  | 0.41000   |          |
| HCFC-22    | CI  | 64.83000  |          |
| HFC-125    | F   | 184.75000 | 1.29000  |
| HFC-134a   | F   | 29.96000  |          |
| HFC-143a   | F   | 8.07000   |          |
| HFC-152a   | F   | 0.25000   |          |
| HFC-23     | F   | 0.02000   | 0.21000  |
| HFC-236fa  | F   |           | 0.06000  |
| HFC-245fa  | F   | 5.87000   |          |
| HFC-32     | F   | 172.86000 | 1.09000  |

**Sub-total 2024 United States of America**

639.66000

71.26000

**Sub-total 2024 Non-Article 5 Parties**

1,020.67213

1,703.85214

**Total 2024 All Parties**

1,199.20654

1,813.16214

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

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

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

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

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

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

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

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

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

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

**Note:**

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

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

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

**Annex XIII: Reported Feedstock uses of controlled substances in tonnes**

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

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

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

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

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



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

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

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

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

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

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

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