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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Eighty-first Meeting
Montreal, 18-22 June 2018

**DRAFT REPORT OF THE EXECUTIVE COMMITTEE OF THE MULTILATERAL FUND
FOR THE IMPLEMENTATION OF THE MONTREAL PROTOCOL TO THE
THIRTIETH MEETING OF THE PARTIES¹**

Introduction

1. The present report covers the activities undertaken by the Executive Committee since the Twenty-Ninth Meeting of the Parties² and consists of four parts dealing with: policy matters related to the Kigali Amendment; other policy matters; projects, their implementation and monitoring; and business planning, administrative and financial matters.
2. During the reporting period, the 81st meeting was held in Montreal from 18 to 22 June 2018. The report³ of that meeting is available on the Multilateral Fund's website (www.multilateralfund.org).

Attendance

3. The 81st meeting was attended⁴ by [Argentina, Benin, the Dominican Republic, Grenada, India, Lebanon and Nigeria], representing parties operating under paragraph 1 of Article 5 of the Protocol (Article 5 parties), and by [Belgium, Canada, France, Japan, Norway, Slovakia and the United States of America], representing parties not operating under paragraph 1 of Article 5 of the Protocol (non-Article 5 parties). The meeting was chaired by [Mr. Mazen Hussein (Lebanon)], with [Mr. Philippe Chemouny (Canada)] as Vice-Chair.
4. The 81st meeting was also attended by representatives of the implementing agencies, namely, the United Nations Development Programme (UNDP), the United Nations Environment Programme (UNEP), both as implementing agency and Treasurer of the Multilateral Fund, the United Nations Industrial Development Organization (UNIDO) and the World Bank, by representatives of the Ozone Secretariat[, the

¹ Decisions taken at the 81st meeting will be reflected in the final report

² The terms of reference of the Executive Committee of the Multilateral Fund for the Implementation of the Montreal Protocol (UNEP/OzL.Pro.9/12, Annex V) require the Executive Committee to report annually to the Meeting of the Parties

³ UNEP/OzL.Pro/ExCom/81/??

⁴ In accordance with decision XXIX/22 of the Twenty-Ninth Meeting of the Parties

Technology and Economic Assessment Panel, and the Implementation Committee under the Non-Compliance Procedure for the Montreal Protocol], and by other observers.

I. POLICY MATTERS RELATED TO THE KIGALI AMENDMENT

5. Pursuant to the adoption of the Kigali Amendment and related decision XXVIII/2 of the Twenty-Eighth Meeting of the Parties, the Executive Committee at its 77th meeting discussed issues relevant to the Executive Committee arising from the Amendment.⁵ Those discussions led to the decision to hold a special four-day meeting, the 78th meeting, to address matters arising from decision XXVIII/2. The discussions continued at the 79th, 80th and 81st meetings.

6. In response to paragraph 11 of decision XXVIII/2, whereby the parties requested the Executive Committee to develop, within two years of the adoption of the Amendment, guidelines for the phase-down of HFC production and consumption and to report back to the parties, part I of the present report outlines the status of the discussions on the following matters related to the Kigali Amendment:

- Additional contributions to the Multilateral Fund
- Information on HFC consumption and production
- Enabling activities and institutional strengthening
- Draft cost guidelines for funding the phase-down of HFCs
- Key aspects related to HFC-23 by-product-control technologies

7. A list of documents considered and the decisions taken by the Executive Committee can be found in Annex I to the present report.

(i) Additional contributions to the Multilateral Fund

8. At its 77th meeting, the Executive Committee accepted, with appreciation, the additional contributions to the Multilateral Fund announced by 17 non-Article 5 parties⁶ to provide fast-start support for implementation of the Kigali Amendment, noting that such funding was one-time in nature and would not replace donor contributions.

9. As at ?? [May/June] 2018, [all the 17] non-Article 5 countries had paid their additional voluntary contributions to the Fund. Of the total contribution, amounting to US \$??, the Executive Committee had disbursed US \$?? for activities related to HFC phase-down in Article 5 countries, consisting of: US \$?? for enabling activities in ?? countries; US \$?? for preparation of investment projects in ?? countries; US \$?? for investment projects to phase out ?? metric tonnes (?? CO₂-equivalent tonnes) of HFCs in ?? countries; and up to US \$100,000 for an evaluation, by an independent consultant, of cost-effective and environmentally sustainable options for the destruction of HFC-23 from HCFC-22 production facilities.

10. [The Executive Committee also decided that the balance of US \$?? would be used for funding [*to be completed*].]

(ii) Information on HFC consumption and production

11. In response to paragraph 4 of decision XXVI/9,⁷ at its 74th and 75th meetings the Executive Committee approved funding for the preparation of surveys of ODS alternatives in 127 Article 5 countries.

⁵ UNEP/OzL.Pro/ExCom/77/70/Rev.1

⁶ Australia, Canada, Denmark, Finland, France, Germany, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Sweden, Switzerland, the United Kingdom of Great Britain and Northern Ireland and the United States of America

⁷ To request the Executive Committee to consider providing additional funding to conduct inventories or surveys on alternatives to ozone-depleting substances in interested Article 5 parties upon their request

In line with decision 74/53, the Secretariat provided an overall analysis of the results of the surveys to the 80th meeting,⁸ which included information on ODS alternatives in 119 countries. In considering this report, the Executive Committee requested bilateral and implementing agencies to use the findings and the lessons from the surveys when assisting Article 5 countries in implementing enabling activities, with particular attention to strengthening data collection and reporting on HFCs and HFC blends, which would assist countries in establishing their HFC baselines (decision 80/75).

(iii) Enabling activities and institutional strengthening

12. In considering paragraph 20 of decision XXVIII/2 on funding for enabling activities in relation to HFC phase-down, the Executive Committee decided on the principles for the submission of requests for funding for enabling activities and on the maximum permissible funding level for such activities (decision 79/46). These included the requirements that the government concerned had to submit a letter indicating its intent to make best efforts to ratify the Kigali Amendment as early as possible, if it had not already done so, and that any submission should include a statement by both the government concerned and the relevant bilateral/implementing agency that implementation of the enabling activities would not delay implementation of HCFC phase-out projects.

13. The Executive Committee also decided that funding for the preparation of national implementation plans to meet initial reduction obligations for the phase-down of HFCs could be provided, at the earliest, five years prior to those obligations once a country had ratified the Kigali Amendment, and on the basis of guidelines to be approved.

14. At the 80th meeting, the Executive Committee approved US \$8,848,900 for the implementation of enabling activities for the phase-down of HFCs in 59 Article 5 countries. In addition, funding requests for enabling activities in 68 Article 5 countries had been included in the consolidated business plan of the Multilateral Fund for 2018–2020, which was endorsed by the Committee at the 80th meeting. At the 81st meeting, the Executive Committee further approved US \$?? for implementation of enabling activities in ?? Article 5 countries (see *Bilateral cooperation* and *Non-investment activities*, below).

15. In considering paragraph 21 of decision XXVIII/2 on institutional strengthening, the Executive Committee decided to consider increasing funding for institutional strengthening at a future meeting (decision 78/4).

(iv) Draft cost guidelines for funding the phase-down of HFCs

16. As mandated by decision XXVIII/2, the Executive Committee decided to develop guidelines for funding the phase-down of HFC consumption and production for submission to the Thirtieth Meeting of the Parties in 2018, and to finalize the guidelines as soon as possible thereafter, taking into account the views and input provided by the Parties (decision 79/44).

17. At its 78th meeting⁹, 79th meeting¹⁰, 80th meeting¹¹ and 81st meeting,¹² the Executive Committee made progress in the development of the cost guidelines for the phase-down of HFCs in Article 5 countries as detailed below.

18. The Executive Committee decided to include in the cost guidelines for the phase-down of HFCs the following elements of decision XXVIII/2, which were relevant to the work of the Executive Committee:

⁸ UNEP/OzL.Pro/ExCom/80/54 and Add.1, pursuant to decision 79/43

⁹ UNEP/OzL.Pro/ExCom/78/5 and Corr.1

¹⁰ UNEP/OzL.Pro/ExCom/79/46, pursuant to decision 78/3

¹¹ UNEP/OzL.Pro/ExCom/80/55, pursuant to decision 79/44

¹² UNEP/OzL.Pro/ExCom/81/53, pursuant to decision 80/76

- Flexibility in implementation that enabled parties to select their own strategies and priorities in sectors and technologies, in line with paragraph 13 of decision XXVIII/2
- Cut-off dates for eligible capacity, in line with paragraph 17
- Second and third conversions, in line with paragraph 18
- Sustained aggregate reductions, in line with paragraph 19
- Categories of eligible incremental cost for the consumption manufacturing sector as per sub-paragraph 15(a)
- Categories of eligible incremental cost for the production sector as per sub-paragraph 15(b)
- Categories of eligible incremental cost for the refrigeration servicing sector as per sub-paragraph 15(c)
- Eligibility of Annex F substances subject to high-ambient-temperature exemptions, in line with paragraph 35

19. Although the above elements of decision XXVIII/2 were included in the cost guidelines for HFC phase-down, for several of them additional technical information was requested for further discussion, relating, inter alia, to: the methodology for determining the starting point for aggregate reductions and the metric to be used (CO₂ equivalent and/or metric tonnes); refrigeration servicing sectors; and levels of eligible incremental costs and cost-effectiveness thresholds in the different sectors. [Inclusion of the following elements of decision XXVIII/2 is still under discussion:

- Energy efficiency, in line with paragraph 22
- Capacity building to address safety, in line with paragraph 23
- Disposal, in line with paragraph 24]
-

[To be completed]

20. The cost guidelines for the phase-down of HFCs in Article 5 countries as agreed by the end of the 81st meeting are contained in Annex II to the present report.

Ongoing activities with regard to the consumption manufacturing sector

21. With regard to the eligible incremental costs for the consumption manufacturing sector, further to agreeing on the categories of eligible incremental costs proposed in decision XXVIII/2, the Executive Committee considered that additional information was required to enable it to reach a decision on eligible incremental costs, and that it was necessary to gain experience in the incremental capital costs and incremental operating costs associated with phasing down HFCs. Accordingly, it agreed to consider approving a limited number of stand-alone HFC investment projects, to be considered on a case-by-case basis in terms of technology maturity, replicability and geographic distribution. Relevant project completion reports should include detailed information on the eligible incremental costs, any possible savings incurred and relevant factors that facilitated their implementation.

22. The Executive Committee also decided that, as a prerequisite for approval, together with the submission of a request for funding for HFC investment projects, the government concerned had to include a letter indicating its intent to make best efforts to ratify the Kigali Amendment as early as possible, if it had not already done so, that no further funding would be made available until the government concerned had deposited the instrument of ratification at the Headquarters of the United Nations, and that any amount of HFC reduced as a result of the project would be deducted from the starting point for aggregate reduction in HFC consumption.

23. At its 80th meeting, the Executive Committee approved US \$3,350,823 for implementation of an investment project to phase out 230.6 metric tonnes (329,801 CO₂-equivalent tonnes) of HFCs in one Article 5 country in the domestic refrigeration sector and eight requests for funding for the preparation of

stand-alone HFC investment projects. Funding requests for 15 HFC investment projects in the consumption sector and one request for funding for the preparation of a stand-alone HFC investment project had been included in the consolidated business plan of the Multilateral Fund for 2018–2020, which was endorsed by the Committee at its 80th meeting. At the 81st meeting, the Executive Committee further approved US \$?? (including project preparation funding) for [to be completed] (see *Bilateral cooperation and Investment activities*, below).

Ongoing activities with regard to the refrigeration servicing sector

24. With regard to the refrigeration servicing sector, further to agreeing on the categories of eligible incremental cost proposed in decision XXVIII/2, and pursuant to sub-paragraph 15(c) and paragraph 16 of decision XXVIII/2, the Executive Committee requested the Secretariat to prepare, in cooperation with bilateral and implementing agencies, a preliminary document on all aspects relating to the sector that supported HFC phase-down, for submission to the 82nd meeting. The document needed to, *inter alia*, take into account previous policy documents, case studies, monitoring and evaluation reviews, and the work undertaken in developing and implementing training and technical assistance programmes. It was to contain analysis of the existing capacities in Article 5 countries that had had funding approved for the refrigeration servicing sector and how those capacities could be utilized for HFC phase-down. The document was also to include the minimum information needed for the development of training and competency-based certification programmes and modules for service technicians and customs officers for the transition to alternatives (decision 80/76).

Ongoing activities with regard to [to be completed]

(v) Key aspects related to HFC-23 by-product-control technologies

25. At its 78th meeting,¹³ 79th meeting¹⁴ and 80th meeting,¹⁵ the Executive Committee considered documents on the key aspects related to HFC-23 by-product-control technologies. Further to discussions, the Executive Committee requested Article 5 countries wishing to close HCFC-22 production swing plants in their respective countries to submit certain preliminary data for consideration by the Executive Committee at its 80th meeting and requested the Secretariat to contract an independent consultant to undertake an evaluation of cost-effective and environmentally sustainable options for the destruction of HFC-23 from HCFC-22 production facilities. All relevant HCFC-22-producing Article 5 countries were invited to provide the Secretariat, on a voluntary basis, but by 1 December 2017, with information related to the evaluation of cost-effective and environmentally sustainable options for the destruction of HFC-23 from HCFC-22 production facilities and the implementing agencies were invited to submit proposals for feasible technology demonstration for HFC-23 by-product-mitigation or -conversion technologies (decisions 79/47 and 80/77(b)).

26. In response to decision 79/47, the Executive Committee noted preliminary data provided by two Article 5 countries wishing to close their HCFC-22 production swing plants.

27. At the 80th meeting, the Executive Committee approved one request for funding for the preparation of a technology demonstration project to convert HFC-23 by-product. Funding requests for two technology demonstration projects to convert HFC-23 by-product had been included in the consolidated business plan of the Multilateral Fund for 2018–2020, which was endorsed by the Committee at its 80th meeting.

¹³ UNEP/OzL.Pro/ExCom/78/9 and Corr.1

¹⁴ UNEP/OzL.Pro/ExCom/79/48, Corr.1, Corr.2 and Add.1, pursuant to decision 78/5

¹⁵ UNEP/OzL.Pro/ExCom/80/56 and Add.1, pursuant to decision 79/47

28. With regard to the study on options for the destruction of HFC-23 from HCFC-22 production facilities,¹⁶ at its 81st meeting, the Committee [*to be completed*].

II. OTHER POLICY MATTERS

29. The preparation and implementation of HPMPs and an HCFC production phase-out management plan (HPPMP) continued to be a main focus of the work at the 81st meeting. The HPMPs and HPPMP approved so far are listed in Annex III to the present report; the only HPMP for which stage I has yet to be adopted is the HPMP for the Syrian Arab Republic.

(i) [*To be completed*]

(ii) Sub-group on the Production Sector

30. The Sub-group on the Production Sector met in the margins of the 81st meeting, continued deliberating on a number of matters, and produced a report.¹⁷

Financial reporting format for annual project-management unit expenditures for stage I of the HPPMP for China

31. The Sub-group considered the financial reporting format for annual project-management unit expenditures in relation to the production sector in China, in response to decision 80/80. [*To be completed*]

Stage II of the HPPMP for China

32. The Sub-group considered the stage II of the HPPMP for China, which had been revised on the basis of discussions since the 79th meeting and resubmitted [*to be completed*]. On the basis of the report of the Sub-group, the Executive Committee [*to be completed*].

(iii) Implications for Multilateral Fund institutions in terms of expected workload in the coming years, including in relation to the Kigali Amendment for the phase-down of HFCs

33. The Executive Committee considered the implications for Multilateral Fund institutions in terms of expected workload in the coming years, including in relation to Kigali Amendment for the phase-down of HFCs pursuant to decision 80/34/(f).¹⁸ It decided [*to be completed*].

III. PROJECTS, THEIR IMPLEMENTATION AND MONITORING

(i) Fund achievement since inception

34. At the time of writing, since 1991, ?? projects and activities (excluding cancelled and transferred projects) had been approved. Of the ?? tonnes of ODS that would be eliminated once all these projects had been implemented, a total of ?? tonnes of ODS had already been phased out (including consumption and production). The geographical and sectoral distribution of phase-out in all approved projects and activities and funds approved since inception is shown in the table below:

¹⁶ UNEP/OzL.Pro/ExCom/81/54, pursuant to decision 80/77

¹⁷ UNEP/OzL.Pro/ExCom/81/57

¹⁸ UNEP/OzL.Pro/ExCom/81/55

	Number of projects	Consumption ODP tonnes approved*	Consumption ODP tonnes phased out*	Production ODP tonnes approved*	Production ODP tonnes phased out*	Funds approved* (US \$)
Region						
Africa	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Asia and Pacific	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Europe	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Latin America and Caribbean	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Global	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Sector						
Aerosol	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Destruction	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Fire fighting	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Foam	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Fumigant	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Halon	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Multi-sector	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Other	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Process agent	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Phase-out plan	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Production	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Refrigeration	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Several	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Solvent	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Sterilant	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]
Total	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]	[to be completed]

* Excluding cancelled and transferred projects and including agency support costs, where applicable.

35. The total funds approved by the Executive Committee since 1991 in order to achieve ODS phase-out amounted to US \$??, including US \$?? in agency support costs (excluding cancelled and transferred projects). Of the total project funds approved, the amounts allocated to, and disbursed by, each of the bilateral and implementing agencies, are indicated in the table below:

Agency	Funds approved* (US \$)	Agency support costs* (US \$)	Funds disbursed** (US \$)
Bilateral	[to be completed]	[to be completed]	[to be completed]
UNDP	[to be completed]	[to be completed]	[to be completed]
UNEP	[to be completed]	[to be completed]	[to be completed]
UNIDO	[to be completed]	[to be completed]	[to be completed]
World Bank	[to be completed]	[to be completed]	[to be completed]
Total	[to be completed]	[to be completed]	[to be completed]

* As at ?? (excluding cancelled and transferred projects)

** As at ?? (excluding cancelled and transferred projects)

(ii) Projects and activities approved during the reporting period

36. During the reporting period, the Executive Committee approved a total of ?? additional projects and activities, with a planned phase-out of ?? ODP tonnes of production and consumption of controlled substances, amounting to US \$??, including US \$?? in agency support costs as per the table below:

Agency	Funds approved (US \$)	Agency support costs (US \$)	Total (US \$)
Bilateral	[to be completed]	[to be completed]	[to be completed]
UNDP	[to be completed]	[to be completed]	[to be completed]

Agency	Funds approved (US \$)	Agency support costs (US \$)	Total (US \$)
UNEP	[to be completed]	[to be completed]	[to be completed]
UNIDO	[to be completed]	[to be completed]	[to be completed]
World Bank	[to be completed]	[to be completed]	[to be completed]
Total	[to be completed]	[to be completed]	[to be completed]

Investment projects

37. Of the total funds approved in the period under review, the Executive Committee allocated US \$??, including US \$?? in agency support costs, for the implementation of investment projects to eliminate an estimated quantity of ?? ODP tonnes in ODS consumption and production.

HPMPs and HPPMPs

38. During the reporting period, the Executive Committee approved tranches of stage I and stage II of HPMPs for ?? countries, and first tranches of stage II of HPMPs for ?? countries.

39. Commitments in principle associated with stages I and II of HPMPs approved during the reporting period totalled US \$??, including agency support costs.

HFC-related projects

40. At the 81st meeting the Executive Committee approved ?? stand-alone HFC investment projects amounting to US \$??, including agency support costs.

Non-investment activities

41. The 2018 work programmes of UNDP,¹⁹ UNEP,²⁰ UNIDO²¹ and the World Bank²² were considered at the 81st meeting. The requests for [institutional strengthening renewal projects and project preparation for stage II of an HPMP were approved as part of the list of projects submitted for blanket approval (decision 81/??)]. Other approved activities included [enabling activities and a funding request for the preparation of an HFC-related investment project (decisions 81/?? to 81/??)]. [To be completed]

(iii) Country programme data and prospects for compliance

42. At the 81st meeting, the Executive Committee considered the document on country programme (CP) data and prospects for compliance.²³ [It noted that ?? of the ?? country programme reports received for the year 201?? had been submitted using the web-based system, as had ?? of the ?? received for 20??]. Bilateral and implementing agencies were requested to assist Article 5 countries in addressing discrepancies between CP and Article 7 data reports, and the Secretariat was requested to send letters to the governments of countries with outstanding CP data reports, urging them to submit the reports and noting that, without them, the relevant analyses of ODS consumption and production levels could not be undertaken by the Secretariat (decision 81/??).] [To be completed]

¹⁹ UNEP/OzL.Pro/ExCom/81/16

²⁰ UNEP/OzL.Pro/ExCom/81/17

²¹ UNEP/OzL.Pro/ExCom/81/18

²² UNEP/OzL.Pro/ExCom/81/19

²³ UNEP/OzL.Pro/ExCom/81/6

(iv) Evaluation

43. At the 81st meeting, the Executive Committee took note of the preliminary report on the second phase of the evaluation of the refrigeration servicing sector.²⁴ [To be completed]

44. The Executive Committee also considered the terms of reference for the desk study for the evaluation of HPMP preparation activities to assist with the implementation of the Kigali Amendment.²⁵ [To be completed]

45. Furthermore, the Executive Committee noted the desk study for the evaluation of gender mainstreaming in Montreal Protocol projects and policy.²⁶ [To be completed]

(v) Tranche submission delays

46. The 81st meeting considered the report on tranche submission delays.²⁷ [To be completed]

(vi) Status reports and reports on projects with specific requirements

47. At the 81st meeting, the Executive Committee considered a document on status reports and reports on projects with specific reporting requirements.²⁸ These related to: the HPMPs for [to be completed]; demonstration projects for low-GWP alternatives to HCFCs and feasibility studies for district cooling; ODS waste disposal projects; ongoing chillers projects; and additional emergency assistance for institutional strengthening. [to be completed]

48. In relation to those reports, the Committee [to be completed].

(vii) Project completion reports

49. At the 81st meeting, the Executive Committee noted the consolidated project completion reports (PCRs) for the year 2018.²⁹ [It urged bilateral and implementing agencies to submit outstanding PCRs to the subsequent meeting and invited all those involved in the preparation and implementation of multi-year agreements and individual projects to take into consideration the lessons learned from PCRs when preparing and implementing future projects (decision 81/??)]. [To be completed]

IV. BUSINESS PLANNING, FINANCIAL AND ADMINISTRATIVE MATTERS**(i) Status of contributions and disbursements**

50. As at ?? June 2018, the total income to the Multilateral Fund, including cash payments, promissory notes held, bilateral contributions, interest earned and miscellaneous income, amounted to US \$??, and total allocations, including provisions, amounted to US \$??. The balance available at ?? June 2018 therefore amounted to US \$??.

51. The yearly distribution of contributions against pledges is shown in the table below:

Year	Pledged contributions (US \$)	Total payments (US \$)	Arrears/outstanding pledges (US \$)
1991–1993	[to be completed]	[to be completed]	[to be completed]

²⁴ UNEP/OzL.Pro/ExCom/81/7

²⁵ UNEP/OzL.Pro/ExCom/81/8

²⁶ UNEP/OzL.Pro/ExCom/81/9

²⁷ UNEP/OzL.Pro/ExCom/81/13

²⁸ UNEP/OzL.Pro/ExCom/81/10

²⁹ UNEP/OzL.Pro/ExCom/81/11

Year	Pledged contributions (US \$)	Total payments (US \$)	Arrears/outstanding pledges (US \$)
1994–1996	[to be completed]	[to be completed]	[to be completed]
1997–1999	[to be completed]	[to be completed]	[to be completed]
2000–2002	[to be completed]	[to be completed]	[to be completed]
2003–2005	[to be completed]	[to be completed]	[to be completed]
2006–2008	[to be completed]	[to be completed]	[to be completed]
2009–2011	[to be completed]	[to be completed]	[to be completed]
2012–2014	[to be completed]	[to be completed]	[to be completed]
2015–2017	[to be completed]	[to be completed]	[to be completed]
2018–2020	[to be completed]	[to be completed]	[to be completed]
Total	[to be completed]	[to be completed]	[to be completed]

Note: The table does not including disputed contributions of US \$??.

52. As mentioned in paragraph [9] above, as at ?? [May/June] 2018, the total income to the additional contributions pledged amounted to US \$??.

Interest collected during the 2015–2017 and 2018–2020 trienniums

53. As at ?? June 2018, the total level of interest recorded in the Treasurer’s accounts amounted to US \$?? for the 2015–2017 triennium and to US \$?? for the 2018–2020 triennium.

Fixed-exchange-rate mechanism (FERM)

54. As at ?? June 2018, the total [losses/gains] from exchange differences since the inception of the FERM stood at US \$??.

55. With regard to the transfer of funds for bilateral projects in relation to the FERM, the Executive Committee considered at the 81st meeting the additional information on the transfer of funds by the Treasurer on behalf of governments contributing to bilateral projects pursuant to decision 80/1(b), and [to be completed].

Outstanding contributions and return of balances

56. At its 81st meeting, the Executive Committee [urged all parties to pay their contributions to the Multilateral Fund in full and as early as possible and requested the Chief Officer and Treasurer to follow up with countries that had contributions outstanding for one triennium or more and to report back to the Committee (decision 81/??)]. [To be completed]

57. The Executive Committee [noted the return of funds to the 81st meeting and requested bilateral and implementing agencies: to return balances from projects approved over two years previously; to disburse or cancel commitments not needed for completed projects and projects completed “by decision of the Executive Committee” so that the balances could be returned to the Fund; and to return not-committed balances (decision 81/??)]. [To be completed]

(ii) Bilateral cooperation

58. At the 81st meeting, requests by the Governments of [Canada, Germany, Italy, Japan and Spain] to offset funds for bilateral projects were approved in the amount of to US \$?? (decision 81/??), bringing the total for bilateral cooperation since the inception of the Multilateral Fund to US \$?? (including agency fees and excluding cancelled and transferred projects), which represents approximately ?? per cent of the funds approved.

59. At the 81st meeting, HFC-related requests by the Government of [Canada] to offset funds from the additional voluntary contributions were approved in the amount of US \$?? (decision 81/??).

(iii) 2018–2020 business plan

60. At the 81st meeting, the Executive Committee noted the update on the status of implementation of the 2018–2020 business plan³⁰ of the Multilateral Fund, [along with the fact that, pursuant to decision 78/3(g), a request for US \$?? for HFC-related activities in the manufacturing sector had been submitted to the 81st meeting, but had not been included in the 2018–2020 consolidated business plan (decision 81/??). *[To be completed]*

61. The Executive Committee also noted the business plan of the Government of Canada and reconsidered the business plan of the Government of Germany pursuant to decision 80/35. *[To be completed]*

(iv) Financial planning

62. The 81st meeting looked at the financial planning for the 2018–2020 triennium³¹ and adopted a resource allocation regime of US \$?? in 2018, US \$?? in 2019 and US \$?? in 2020. *[To be completed]*.

(v) Compliance Assistance Programme

63. The Executive Committee considered the final report on the review of the overall structure of the Compliance Assistance Programme and its operations and regional structure in addressing emerging needs and new challenges in Article 5 countries, pursuant to decision 80/55(b)(i). *[To be completed]*

(vi) Fund Secretariat activities

64. During the period under review, the Fund Secretariat took actions³² pursuant to the decisions taken by the Executive Committee at its previous meetings and prepared documentation and provided conference services. In addition to the documents customarily prepared for Executive Committee meetings, the Secretariat also prepared documents, *inter alia*, on the policy matters referred to above.

65. At the 81st meeting, the Secretariat analysed and reviewed ?? funding requests and provided comments and recommendations for the Executive Committee's consideration. The level of funding of US \$?? requested for approval, following project review, amounted to US \$??.

66. The 81st meeting received updates on [staff matters and on linkages and synergies with other multilateral environmental agreements and relevant organizations].

³⁰ UNEP/OzL.Pro/ExCom/81/12

³¹ UNEP/OzL.Pro/ExCom/81/12

³² UNEP/OzL.Pro/ExCom/81/2

Annex I

**DOCUMENTS CONSIDERED AND DECISIONS TAKEN BY THE EXECUTIVE COMMITTEE
IN RELATION TO MATTERS ARISING FROM THE KIGALI AMENDMENT**

Document number	Title	Decisions
ExCom/77/70/Rev.1	Issues relevant to the Executive Committee arising from the Twenty-eighth Meeting of the Parties to the Montreal Protocol	<p>77/59: Following the report of the convener of the contact group, the Executive Committee <u>decided</u>:</p> <ul style="list-style-type: none"> (a) To hold a four-day special meeting early in 2017 to address matters related to the Kigali Amendment to the Montreal Protocol arising from decision XXVIII/2 of the Meeting of the Parties, and potential additional contributions to the Multilateral Fund; (b) To request the Secretariat to prepare a document containing preliminary information in response to the elements in decision XXVIII/2 of the Twenty-Eighth Meeting of the Parties that requested the Executive Committee to take action, and addressing the following issues: <ul style="list-style-type: none"> (i) Available information on HFC consumption and production, as well as on HFC-23 by-product, including from surveys of ODS alternatives funded by the Multilateral Fund and other sources; (ii) The enabling activities required to assist Article 5 countries in commencing their reporting and regulatory activities in relation to the HFC-control measures; (iii) Key aspects related to HFC-23 by-product-control technologies; (iv) Identification of the issues that the Executive Committee might want to consider in relation to existing HCFC phase-out activities; (v) Information relevant to the development of the cost guidelines requested from the Executive Committee; (c) To invite Executive Committee members of the 77th meeting to share relevant information with the Secretariat on, but not limited to, the elements listed in sub-paragraphs (b)(i) to (v) above, no later than 31 January 2017 on an exceptional basis owing to the limited time until the end of 2016; (d) With respect to the intended US \$27 million fast-start contributions in 2017 from some of the non-Article 5 Parties: <ul style="list-style-type: none"> (i) To accept, with appreciation, the additional contributions announced by a number of non-Article 5 Parties to provide fast-start support for implementation of the Kigali Amendment, noting that such funding was one-time in nature and would not displace donor contributions; (ii) That the additional contributions mentioned in sub-paragraph (d)(i) above should be made available for Article 5 countries that had an HFC consumption baseline year between 2020 and 2022 and that had formally indicated their intent to ratify the Kigali Amendment and take on early HFC phase-down obligations in order to support their enabling activities, such as capacity building and training in handling HFC alternatives, Article 4B licensing, reporting, and project preparation activities, taking into account, but not restricted to, relevant guidelines and decisions of the Executive Committee; (iii) To request the Secretariat to develop a document describing possible procedures for countries identified in sub-paragraph (d)(ii) above in accessing the additional fast-start contributions for enabling activities; (iv) That the Treasurer would communicate with contributing non-Article 5 countries on procedures for making the additional contributions available to the Multilateral Fund for the purpose of early action in respect of the Kigali Amendment;

Document number	Title	Decisions
		<p>(v) That the Secretariat would report to the Executive Committee on the additional fast-start contributions received separately from the pledged contributions to the Multilateral Fund; and</p> <p>(e) To request the Secretariat to prepare an agenda for the special meeting referred to in sub-paragraph (a) above based on the issues identified in sub-paragraphs (b) to (d) above.</p>
ExCom/78/3 and Corr.1	Status of additional contributions to the Multilateral Fund	<p>78/1: The Executive Committee <u>decided</u>:</p> <p>(a) To note the report by the Treasurer on the status of the additional contributions to the Multilateral Fund as contained in documents UNEP/OzL.Pro/ExCom/78/3 and Corr.1;</p> <p>(b) Further to note with appreciation the status of pledged additional contributions distributed among the 16 non-Article 5 parties to provide fast-start support for implementation of the Kigali Amendment; and</p> <p>(c) To request the Treasurer to report to the Executive Committee on the additional contributions received for fast-start support separately from the other pledged contributions to the Multilateral Fund at the 79th meeting.</p>
ExCom/78/4 and Corr.1	Available information on HFC consumption and production in Article 5 countries	<p>78/2: The Executive Committee <u>decided</u>:</p> <p>(a) To note the report on the available information on HFC consumption and production in Article 5 countries contained in documents UNEP/OzL.Pro/ExCom/78/4 and Corr.1;</p> <p>(b) To urge bilateral and implementing agencies to work with relevant Article 5 countries to complete and submit, no later than 8 May 2017, as many ODS alternatives survey reports as possible; and</p> <p>(c) To request the bilateral and implementing agencies to return to the 81st meeting unspent balances for those surveys of ODS alternatives that had not been submitted to either the 79th or 80th meeting of the Executive Committee.</p>
ExCom/78/5 and Corr.1	Information relevant to the development of the cost guidelines for the phase-down of HFCs in Article 5 countries: Draft criteria for funding	<p>78/3: Following the comprehensive discussions on information relevant to the development of the cost guidelines for the phase-down of HFCs in Article 5 countries, the Executive Committee <u>decided</u>:</p> <p>(a) To take note of the information relevant to the development of the cost guidelines for the phase-down of HFCs in Article 5 countries: draft criteria for funding contained in documents UNEP/OzL.Pro/ExCom/78/5 and Corr.1;</p> <p><u>In relation to flexibility in implementation that enables parties to select their own strategies and priorities in sectors and technologies</u></p> <p>(b) To include paragraph 13 of decision XXVIII/2 in the relevant section of the draft template of the cost guidelines for the phase-down of HFCs contained in Annex I to [document UNEP/OzL.Pro/ExCom/78/11];</p> <p><u>In relation to the cut-off date for eligible capacity</u></p> <p>(c) To include paragraph 17 of decision XXVIII/2 in the relevant section of the draft template of the cost guidelines for the phase-down of HFCs contained in Annex I to [document UNEP/OzL.Pro/ExCom/78/11];</p> <p><u>In relation to second and third conversions</u></p> <p>(d) To include paragraph 18 of decision XXVIII/2 in the relevant section of the draft template of the cost guidelines for the phase-down of HFCs contained in Annex I to [document UNEP/OzL.Pro/ExCom/78/11];</p> <p><u>In relation to sustained aggregate reductions in HFC consumption and production</u></p> <p>(e) To continue discussions on:</p> <p>(i) The methodology for determining the starting point, including whether it would be expressed in CO₂ equivalents, metric tonnes, or both;</p>

Document number	Title	Decisions
		<p>(ii) The inclusion of paragraph 19 of decision XXVIII/2 in the relevant section of the draft template of the cost guidelines for the phase-down of HFCs;</p> <p><u>In relation to eligible incremental costs</u></p> <p><i>For the consumption manufacturing sector</i></p> <p>(f) In accordance with paragraph 15(a) of decision XXVIII/2, to make the following categories of costs eligible and to include them in the cost calculation associated with the phase-down of HFCs in the consumption manufacturing sector contained in Annex I to [document UNEP/OzL.Pro/ExCom/78/11]:</p> <p>(i) Incremental capital costs (ICCs);</p> <p>(ii) Incremental operating costs (IOCs) for a duration to be determined by the Executive Committee;</p> <p>(iii) Technical assistance activities;</p> <p>(iv) Research and development, when required to adapt and optimize alternatives to HFCs with low- or zero-global warming potential;</p> <p>(v) Costs of patents and designs, and incremental costs of royalties, when necessary and cost-effective;</p> <p>(vi) Costs of the safe introduction of flammable and toxic alternatives;</p> <p>(g) To consider approving a limited number of HFC-related projects in the manufacturing sector only, without prejudice to different kinds of technology, no later than at the first meeting of 2019, to allow the Committee to gain experience in the ICCs and IOCs that might be associated with phasing down HFCs in Article 5 countries, on the understanding: that any Article 5 country that submitted a project should have ratified the Kigali Amendment or submitted a formal letter indicating the government's intention to ratify the Amendment; that no further funding would be available until the instrument of ratification had been received by the depositary at the Headquarters of the United Nations in New York; and that any amount of HFC reduced as a result of the project would be deducted from the starting point;</p> <p>(h) To consider costs and savings related to opportunities for further avoiding HFCs in HCFC phase-out activities and how they could be addressed; and</p> <p><u>For the other matters discussed in relation to documents UNEP/OzL.Pro/ExCom/78/5 and Corr.1</u></p> <p>(i) To request the Secretariat to prepare a document containing the elements of decision XXVIII/2 presented by the Chair of the Executive Committee in his written summary of discussions on agenda item 6(a), Information relevant to the development of the cost guidelines for the phase-down of HFCs in Article 5 countries, at the 78th meeting, for further consideration by the Executive Committee at its 79th meeting, including a summary of the issues pending, such as eligible incremental costs (consumption manufacturing, production sector, refrigeration servicing sector, and other costs), energy efficiency, capacity building to address safety, disposal and eligibility of Annex F substances subject to high-ambient-temperature exemptions.</p>
ExCom/78/6	Information relevant to the development of the cost guidelines for the phase-down of HFCs in Article 5 countries: Enabling activities	<p>78/4: Following a discussion, the Executive Committee decided:</p> <p>(a) To request the Secretariat to prepare a document providing draft guidelines on enabling activities for consideration by the Executive Committee at its 79th meeting, taking into account the discussions on the matter at the 78th meeting; and</p> <p>(b) To consider increasing funding for institutional strengthening at a future meeting in accordance with paragraph 20 of decision XXVIII/2.</p>

Document number	Title	Decisions
ExCom/78/7	Information relevant to the development of the cost guidelines for the phase-down of HFCs in Article 5 countries: Institutional strengthening	
ExCom/78/8	Identification of issues to be considered in relation to existing HCFC phase-out activities	Following the discussion, the Executive Committee took note of document UNEP/OzL.Pro/ExCom/78/8 on identification of issues to be considered in relation to existing HCFC phase-out activities.
ExCom/78/9 and Corr.1	Key aspects related to HFC-23 by-product control technologies	<p>78/5: Following a discussion in the contact group, the Executive Committee <u>decided:</u></p> <ul style="list-style-type: none"> (a) To take note of the key aspects related to HFC-23 by-product-control technologies contained in documents UNEP/OzL.Pro/ExCom/78/9 and Corr.1; (b) To note the urgency of taking action to enable Article 5 countries to meet the HFC-23 reporting and control obligations by 1 January 2020; (c) To reiterate, through the World Bank, its request to the Government of China that it provide to the 79th meeting reports on the status of the studies on “HFC-23 conversion/pyrolysis technologies” and on “investigation on reducing HFC-23 by-product ratio using best practices” that had been funded through the HCFC production phase-out management plan; (d) To invite all relevant HCFC-22 producing parties to provide to the Secretariat, on a voluntary basis, information on quantities of HFC-23 in facilities producing HCFC-22 as well as their experience in controlling and monitoring HFC-23 by-product emissions, including relevant policies and regulations and the related costs, no later than 15 May 2017; (e) To request the Secretariat to continue to explore whether there were HFC- or other HCFC-producing facilities in any party that generated HFC-23 emissions and to report back to the Executive Committee by 31 May 2018; (f) To request the Secretariat to submit an updated document of key aspects related to HFC-23 by-product control technologies to the 79th meeting, including: <ul style="list-style-type: none"> (i) Information relevant to the cost of closure of HCFC-22 production swing plants; (ii) A description of existing policies and regulations supporting the control and monitoring of HFC-23 emissions and requirements for sustaining those measures in Article 5 countries; (iii) Further analysis of methods to control HFC-23 emissions based on the additional information provided by Executive Committee members and any other available information to the Secretariat, including information from the Clean Development Mechanism; (iv) The current levels of HCFC-22 production and HFC-23 emissions, and information on management practices, per line, in each facility in Article 5 and non-Article 5 countries, including information on approved monitoring methodologies under the United Nations Framework Convention on Climate Change; and (v) Exploration of possible options for monitoring HFC-23 emissions, such as those approved for continuous monitoring under the United Nations Framework Convention on Climate Change, including the associated costs; and

Document number	Title	Decisions
		(g) To consider the need for a desk and field study at the 79 th meeting.
ExCom/78/10 and Corr.1	Draft procedures for Article 5 countries that have HFC consumption baseline years from 2020 to 2022 in accessing additional contributions for enabling activities	The Executive Committee therefore agreed to defer further consideration of the matter to its 79 th meeting.
ExCom/79/44 and Corr.1	Status of additional contributions to the Multilateral Fund (decision 78/1(c))	<p>79/42: The Executive Committee <u>decided</u>:</p> <p>(a) To note the report by the Treasurer on the status of additional contributions to the Multilateral Fund (decision 78/1(c)) contained in documents UNEP/OzL.Pro/ExCom/79/44 and Corr.1, and as orally amended during the meeting;</p> <p>(b) Further to note with appreciation the six non-Article 5 countries that had made payments to provide fast-start support for the implementation of the HFC phase-down: Denmark, Finland, Ireland, Italy, Luxembourg and New Zealand; and</p> <p>(c) To request the Treasurer, at the 80th meeting, to report to the Executive Committee on the status of the additional contributions for fast-start support separately from other pledged contributions to the Multilateral Fund.</p>
ExCom/79/45 and Corr.1	Overall analysis of the results of the surveys on ODS alternatives (decision 74/53)	<p>79/43: The Executive Committee <u>decided</u>:</p> <p>(a) To note the overall preliminary analysis of the results of the surveys of ODS alternatives (decision 74/53) contained in documents UNEP/OzL.Pro/ExCom/79/45 and Corr.1;</p> <p>(b) To urge bilateral and implementing agencies to work with relevant Article 5 countries to complete and submit all outstanding surveys on ODS alternatives no later than 18 September 2017, noting that unspent balances of surveys not submitted to the 80th meeting had to be returned to the 81st meeting in line with decision 78/2(c); and</p> <p>(c) To request the Secretariat to submit, to the 80th meeting, an overall analysis of the results of the surveys of ODS alternatives, updated to include all surveys submitted to the Secretariat by 18 September 2017.</p>
ExCom/79/46	Development of the cost guidelines for the phase-down of HFCs in Article 5 countries: Draft criteria for funding (decision 78/3)	<p>79/44: Following a report by the convener of the contact group, the Executive Committee <u>decided</u>:</p> <p>(a) To note the development of the cost guidelines for the phase-down of HFCs in Article 5 countries: draft criteria for funding (decision 78/3) contained in document UNEP/OzL.Pro/ExCom/79/46;</p> <p>(b) To develop guidelines for funding the phase-down of HFC consumption and production for submission to the Thirtieth Meeting of the Parties in 2018, and to finalize the guidelines as soon as possible thereafter, taking into account the views and input provided by the parties;</p> <p>(c) To agree that, in line with paragraph 11 of decision XXVIII/2 on overarching principles and timelines, the Chair of the Executive Committee would report in relation to the HFC phase-down:</p> <p>(i) To the Twenty-Ninth Meeting of the Parties on the progress of the Executive Committee in developing cost guidelines for funding HFC phase-down; and</p> <p>(ii) To future Meetings of the Parties on progress made, including on cases where Executive Committee deliberations had resulted in a change in a national strategy or a national technology choice submitted to the Executive Committee.</p>

Document number	Title	Decisions
		<p>79/45: In relation to criteria for considering stand-alone investment projects pursuant to decision 78/3(g), the Executive Committee decided:</p> <ul style="list-style-type: none"> (a) To reiterate decision 78/3(g) and to consider proposals for HFC-related stand-alone investment projects based on the following criteria: <ul style="list-style-type: none"> (i) That the submitted projects would be considered on a case-by-case basis, should be in individual enterprises deciding to convert to mature technologies, should have broad replicability to the country or region or sector, and should take into account geographic distribution; (ii) That projects must be fully implemented by no more than two years from the time of their approval, that the relevant project completion reports should be comprehensive with detailed information on the eligible incremental capital costs, incremental operating costs, any possible savings incurred during the conversion and relevant factors that facilitated implementation, and that any remaining funds would be returned to the Multilateral Fund no later than one year after the date of project completion as per the project proposals; (b) That potential projects should be included in the bilateral and implementing agencies' 2018 to 2020 business plans for submission at the 80th meeting or subsequent business plans, as appropriate; (c) To consider further stand-alone investment projects on a rolling basis after the first meeting in 2019; and (d) That any proposal submitted and approved for funding at the 80th meeting would be funded, to the extent possible, from additional voluntary contributions provided by non-Article 5 parties, after giving priority to enabling activities.
ExCom/79/47	Development of the cost guidelines for the phase-down of HFCs in Article 5 countries: Draft guidelines on enabling activities (decision 78/4(a))	<p>79/46: The Executive Committee <u>decided</u>:</p> <ul style="list-style-type: none"> (a) To note the development of the cost guidelines for the phase-down of HFCs in Article 5 countries: draft guidelines on enabling activities (decision 78/4(a)) contained in document UNEP/OzL.Pro/ExCom/79/47; (b) To approve enabling activities for Article 5 parties on the following basis: <ul style="list-style-type: none"> (i) Countries would be allowed the flexibility to undertake a range of enabling activities to help their national ozone units to fulfil their initial obligations with regard to HFC phase-down in line with the Kigali Amendment; (ii) Enabling activities could consist of, but were not limited to: <ul style="list-style-type: none"> a. Activities to facilitate and support the early ratification of the Kigali Amendment; b. Initial activities identified in paragraph 20 of decision XXVIII/2, including country-specific activities aimed at initiating supporting institutional arrangements, the review of licensing systems, data reporting on HFC consumption and production, and demonstration of non-investment activities, and excluding institutional strengthening, as addressed in decision 78/4(b); c. National strategies that contained the activities in sub-paragraphs a. and b. above; (iii) Funding for the preparation of national implementation plans to meet initial reduction obligations for the phase-down of HFCs could be provided, at the earliest, five years prior to those obligations, after a country had ratified the Kigali Amendment and on the basis of guidelines to be approved in the future; (iv) Funding for stand-alone initial investment projects could be provided in accordance with the provisions of decision 79/45; (c) To provide funding for enabling activities referred to in paragraph (a)(ii) above prior to the preparation of the national implementation plan as

Document number	Title	Decisions										
		<p>specified in the table below, based on the country's HCFC baseline consumption, on the understanding that no further funding for enabling activities, including for HFC-23 activities, would be provided prior to the preparation of national implementation plans:</p> <table border="1" data-bbox="686 352 1393 527"> <thead> <tr> <th data-bbox="686 352 1060 407">HCFC baseline (ODP tonnes)</th> <th data-bbox="1060 352 1393 407">Maximum funding for enabling activities (US \$)</th> </tr> </thead> <tbody> <tr> <td data-bbox="686 407 1060 436">Below 1</td> <td data-bbox="1060 407 1393 436">50,000</td> </tr> <tr> <td data-bbox="686 436 1060 466">Between 1 and 6</td> <td data-bbox="1060 436 1393 466">95,000</td> </tr> <tr> <td data-bbox="686 466 1060 495">Above 6 and up to 100</td> <td data-bbox="1060 466 1393 495">150,000</td> </tr> <tr> <td data-bbox="686 495 1060 527">Above 100</td> <td data-bbox="1060 495 1393 527">250,000</td> </tr> </tbody> </table> <p>(d) That funding requests for enabling activities should meet the following requirements:</p> <ul style="list-style-type: none"> (i) Ratification of the Kigali Amendment by the government submitting the request or a receipt of letter from the government concerned indicating its intent to make best efforts to ratify the Kigali Amendment as early as possible; (ii) The inclusion of detailed descriptions, in project proposals, of each of the enabling activities that would be undertaken, including institutional arrangements, the cost breakdown and the schedule for implementation, consistent with Executive Committee guidelines; (iii) The duration of a project should be no more than 18 months, starting from the time of its approval, and balances should be returned to the Multilateral Fund within 12 months of that end date; (iv) Bilateral and implementing agencies should include any funding requests for enabling activities in their business plans, which could be submitted to the 80th or subsequent meetings, and subsequently in their work programmes or work programme amendments; (v) Any submission should also include a statement by both the country concerned and the relevant bilateral/implementing agency that implementation of the enabling activities would not delay implementation of HCFC phase-out projects; and <p>(e) To invite bilateral and implementing agencies to submit, by the 80th meeting, funding requests for enabling activities for countries that wanted to take early action on HFCs, with any proposal considered for funding at that meeting to be funded to the extent possible from additional voluntary contributions provided by non-Article 5 parties.</p>	HCFC baseline (ODP tonnes)	Maximum funding for enabling activities (US \$)	Below 1	50,000	Between 1 and 6	95,000	Above 6 and up to 100	150,000	Above 100	250,000
HCFC baseline (ODP tonnes)	Maximum funding for enabling activities (US \$)											
Below 1	50,000											
Between 1 and 6	95,000											
Above 6 and up to 100	150,000											
Above 100	250,000											
<p>ExCom/79/48, Corrs.1&2, & Add.1</p>	<p>Key aspects related to HFC-23 by-product control technologies (decision 78/5)</p>	<p>79/47: Following the discussions of the contact group, the Executive Committee decided:</p> <ul style="list-style-type: none"> (a) To note documents UNEP/OzL.Pro/ExCom/79/48, Corr.1, Corr.2 and Add.1 on key aspects related to HFC-23 by-product control technologies (decision 78/5); (b) To note with appreciation the information related to HFC-23 by-product provided by the Governments of Argentina, China, the Democratic People's Republic of Korea, Germany, India, Japan, Mexico, the Republic of Korea, the Russian Federation, the United Kingdom of Great Britain and Northern Ireland, and the United States of America; the European Union; the Secretariat of the United Nations Framework Convention on Climate Change; a fluorochemical producer; and an independent research and consulting organization; (c) To consider possible cost-effective options for compensation for HCFC-22 swing plants to allow for compliance with the HFC-23 by-product control obligations of the Kigali Amendment; (d) To request relevant governments of Article 5 countries wishing to close HCFC-22 production swing plants in their respective countries to submit the following preliminary data, for consideration by the Executive Committee at 										

Document number	Title	Decisions
		<p>its 80th meeting:</p> <ul style="list-style-type: none"> (i) A list of HCFC-22 swing plants in the country: <ul style="list-style-type: none"> a. Name; b. Location; c. HCFC-22 production capacity; d. Schedule for closure; e. Date of establishment; f. Name of proprietors; g. Ownership; h. Emissions and ratio of HFC-23 by-product; i. Maximum production of HCFC-22; (ii) HCFC-22 production in the last three years countrywide; (iii) HCFC-22 production in the last three years for each swing plant; (iv) Quantity of export of each plant to non-Article 5 countries; (v) Total number of employees in the HCFC-22 industry: <ul style="list-style-type: none"> a. In the production sector (direct labour + overheads + maintenance); b. In the packaging sectors; (vi) Total number of employees per HCFC-22 swing plant (one table per plant) for the last three years: <ul style="list-style-type: none"> a. Direct labour; b. Overheads; c. Laboratories; d. Maintenance; e. Packaging; (vii) The raw material purchases of each HCFC-22 swing plant in the last three years: <ul style="list-style-type: none"> a. Hydrogen fluoride (metric tonnes); b. Chloroform (metric tonnes); <p>(e) To request the Secretariat to contract an independent consultant to undertake an evaluation of cost-effective and environmentally sustainable options of HFC-23 destruction from HCFC-22 production facilities, to submit the report of the consultant to the 81st meeting, and to allocate a budget of up to US \$100,000 from the additional contributions to the Multilateral Fund to undertake the evaluation and prepare the report. The scope of the study would include:</p> <ul style="list-style-type: none"> (i) An assessment of the costs of incineration at an on-site destruction facility, based on characteristics of the facility, including destruction capacity, quantity and frequency of HFC-23 to be destroyed, the expected remaining lifetime, location, and other relevant factors, including: <ul style="list-style-type: none"> a. Start-up costs for destruction facilities that might currently be in disuse; b. Costs to install a new destruction facility if one was not currently installed; c. Costs to operate a currently installed facility; (ii) An assessment of the costs of incineration at an off-site destruction

Document number	Title	Decisions
		<p>facility, including collection, transportation and incineration, based on the quantity of HFC-23 to be destroyed, location, and other relevant factors;</p> <p>(iii) An assessment of the cost of destroying emissions of HFC-23 by-product through irreversible transformation and other new technologies, where information was available, based on the quantity of HFC-23 to be destroyed, location, and other relevant factors;</p> <p>(iv) An assessment of the costs and measures to optimize the HCFC-22 production process to minimize the HFC-23 by-product generation rate and maximize the collection of HFC-23 by-product for destruction based on characteristics of the facility, including capacity, quantity of HFC-23 by-product generated, the expected remaining lifetime, location, and other relevant factors;</p> <p>(v) An assessment of the costs of different monitoring and verification methods;</p> <p>(vi) An assessment of how the performance and costs of different destruction technology options would vary according to local conditions and the quantity of HFC-23 by-product to be destroyed;</p> <p>(f) To invite all relevant HCFC-22-producing Article 5 countries to provide to the Secretariat, on a voluntary basis, information on the elements described in paragraph (e) above by 30 September 2017; and</p> <p>(g) To invite implementing agencies to submit to the 81st meeting proposals for feasible technology demonstration for HFC-23 by-product mitigation or conversion technologies with the potential for cost-effective, environmentally sustainable conversion of HFC-23.</p>
ExCom/80/53	Status of additional contributions to the Multilateral Fund (decision 79/42(c))	<p>80/74: The Executive Committee <u>decided</u>:</p> <p>(a) To note the report of the Treasurer on the status of additional contributions to the Multilateral Fund contained in document UNEP/OzL.Pro/ExCom/80/53, as orally amended during the meeting;</p> <p>(b) Further to note with appreciation that 11 non-Article 5 countries had paid their pledged additional voluntary contributions to provide fast-start support for HFC phase-down; and</p> <p>(c) To request the Treasurer to report again to the Executive Committee on the status of the additional contributions received for fast-start support separately from other pledged contributions to the Multilateral Fund at the 81st meeting.</p>
ExCom/80/54	Overall analysis of the results of the surveys of ODS alternatives (decision 79/43(c))	<p>80/75: The Executive Committee <u>decided</u>:</p> <p>(a) To note the overall analysis of the results of the surveys of ODS alternatives (decision 79/43(c)) contained in documents UNEP/OzL.Pro/ExCom/80/54 and Add.1;</p> <p>(b) To request bilateral and implementing agencies to use the findings and the lessons from the results of the surveys of ODS alternatives while undertaking enabling activities, with particular attention to strengthening data collection and reporting of HFCs and HFC blends;</p> <p>(c) To request bilateral and implementing agencies:</p> <p>(i) To return, no later than the 82nd meeting, balances related to the completed surveys of ODS alternatives; and</p> <p>(ii) To return, to the 81st meeting, balances related to surveys of ODS alternatives that had not been submitted to the 80th meeting (i.e. for Algeria, Antigua and Barbuda, Bahamas, Democratic People's Republic of Korea, Fiji, Morocco and Myanmar), in line with decision 79/43.</p>
ExCom/80/55	Development of the cost guidelines for the phase-	<p>80/76: The Executive Committee <u>decided</u>:</p> <p>(a) To include in the draft template of the cost guidelines for the phase-down of</p>

Document number	Title	Decisions
	down of HFCs in Article 5 countries: Draft criteria for funding (decisions 78/3(i) and 79/44(b))	<p>HFCs contained in Annex XXVIII to the present report:</p> <ul style="list-style-type: none"> (i) Text related to sustained aggregate reductions in line with paragraph 19 of decision XXVIII/2 of the Twenty-Eighth Meeting of the Parties; (ii) Text related to the eligibility of Annex F substances subject to high-ambient-temperature exemptions, in line with paragraph 35 of decision XXVIII/2; (iii) For the production sector, the categories of costs in sub-paragraph 15(b) of decision XXVIII/2; and (iv) For the refrigeration servicing sector, the categories of costs in sub-paragraph 15(c) of decision XXVIII/2; <p>(b) To continue to use the draft template of the cost guidelines for the phase-down of HFCs and the list of outstanding elements for discussion, contained in Annexes XXVIII and XXIX to the present report, as the working documents for discussions at the 81st meeting and future meetings on the development of the cost guidelines for the phase-down of HFCs in Article 5 countries, noting that additional elements could be added as required;</p> <p>(c) To request the Secretariat to prepare a preliminary document for the 82nd meeting, in cooperation with bilateral and implementing agencies, on all aspects related to the refrigeration servicing sector that support the HFC phase-down, taking into account:</p> <ul style="list-style-type: none"> (i) Previous policy documents, case studies, monitoring and evaluation reviews, and the work undertaken by bilateral and implementing agencies in developing and implementing training and technical assistance programmes, in particular the partnership that the Compliance Assistance Programme had established with world-recognized training and certification institutes; (ii) Analysis of the existing capacities in Article 5 countries with the funding approved thus far for the refrigeration servicing sector and how those could be utilized for HFC phase-down, in relation to: <ul style="list-style-type: none"> a. The results of funded recovery, recycling and reclamation activities and the provision of servicing tools, and their potential to reduce refrigerant emissions; b. The extent of the involvement of the private and/or public sector (e.g. equipment, components and refrigerant suppliers) in introducing and adopting alternatives in the servicing sector; c. Health and safety standards, protocols and equipment (including protective equipment) available for alternatives; d. Training and certification programmes; e. If and how energy efficiency was addressed in the servicing/end-user sector; and (iii) The minimum information needed for the development of training and competency-based certification programmes and modules for service technicians and customs officers for the transition to alternatives.
ExCom/80/56 & Add.1	Key aspects related to HFC-23 by-product control technologies: preliminary data of HCFC-22 production swing plants that wish to close (decision 79/47(d))	<p>80/77: The Executive Committee <u>decided</u>:</p> <ul style="list-style-type: none"> (a) To note the submission by the Governments of Argentina and India of the preliminary data on HCFC-22 swing plants in their countries contained in documents UNEP/OzL.Pro/ExCom/80/56 and Add.1; and (b) To invite all relevant HCFC-22-producing Article 5 countries to provide to the Secretariat, on a voluntary basis, information on the elements described in paragraph (e) of decision 79/47 by 1 December 2017.
ExCom/81/53	Development of the cost guidelines	[To be completed]

Document number	Title	Decisions
	for the phase-down of HFCs in Article 5 countries: Draft criteria for funding (decisions 78/3(i) and 79/44(b) and 80/76(b))	
ExCom/81/54	Key aspects related to HFC-23 by-product control technologies: preliminary data of HCFC-22 production swing plants that wish to close (decisions 78/5(e), 79/47(e) and 80/77(b))	<i>[To be completed]</i>

Annex II

DRAFT TEMPLATE OF THE COST GUIDELINES FOR THE PHASE-DOWN OF HFCs (ELEMENTS AGREED AT THE 81st MEETING TO BE INCLUDED)

Background

1. The present Annex contains the draft cost guidelines for the phase-down of HFCs based on the relevant elements of decision XXVIII/2 agreed by the Parties at their Twenty-eight Meeting. These draft cost guidelines contain elements agreed at the 78th and 80th meetings and will be updated pursuant to further discussions at the 81st and future meetings of the Executive Committee.

Draft guidelines

Flexibility in implementation that enables parties to select their own strategies and priorities in sectors and technologies

2. Article 5 countries will have flexibility to prioritize HFCs, define sectors, select technologies and alternatives and elaborate and implement their strategies to meet agreed HFC obligations, based on their specific needs and national circumstances, following a country-driven approach.

Cut-off date for eligible capacity

3. The cut-off date for eligible capacity is 1 January 2020 for those parties with baseline years from 2020 to 2022, and 1 January 2024 for those parties with baseline years from 2024 to 2026.

Second and third conversions

4. To apply the following principles for second and third conversion projects:

- (a) First conversions, in the context of a phase-down of HFCs, are defined as conversions to low-global warming potential (GWP) or zero-GWP alternatives of enterprises that have never received any direct or indirect support, in part or in full, from the Multilateral Fund, including enterprises that converted to HFCs with their own resources;
- (b) Enterprises that have already converted to HFCs in phasing out CFCs and/or HCFCs will be eligible to receive funding from the Multilateral Fund to meet agreed incremental costs in the same manner as enterprises eligible for first conversions;
- (c) Enterprises that convert from HCFCs to high-GWP HFCs, after the date of adoption of the Amendment, under HPMPs already approved by the Executive Committee will be eligible to receive funding from the Multilateral Fund for a subsequent conversion to low-GWP or zero-GWP alternatives to meet agreed incremental costs in the same manner as enterprises eligible for first conversions;
- (d) Enterprises that convert from HCFCs to high-GWP HFCs with their own resources before 2025 under the Amendment will be eligible to receive funding from the Multilateral Fund to meet agreed incremental costs in the same manner as enterprises eligible for first conversions; and
- (e) Enterprises that convert from HFCs to lower-GWP HFCs with Multilateral Fund support when no other alternatives are available will be eligible to receive funding from the

Multilateral Fund for a subsequent conversion to low-GWP or zero-GWP alternatives if necessary to meet the final HFC phase-down step.

Sustained aggregate reductions

5. The remaining eligible consumption for funding in tonnage will be determined on the basis of the starting point of national aggregate consumption less the amount funded by previously approved projects in future multi-year agreement templates for HFC phase-down plans.

Eligible incremental cost

Consumption manufacturing sector

6. To make the following categories of costs eligible and to include them in the cost calculation associated with the phase-down of HFCs in the consumption manufacturing sector:

- (a) Incremental capital costs (ICCs);
- (b) Incremental operating costs (IOCs) for a duration to be determined by the Executive Committee;
- (c) Technical assistance activities;
- (d) Research and development, when required to adapt and optimize alternatives to HFCs with low or zero GWP;
- (e) Costs of patents and designs, and incremental costs of royalties, when necessary and cost-effective;
- (f) Costs of the safe introduction of flammable and toxic alternatives.

Production sector

7. To make the following categories of costs eligible and to include them in the cost calculation associated with the phase-down of HFCs in the production sector

- (a) Lost profit due to the shutdown/closure of production facilities, as well as production reduction;
- (b) Compensation for displaced workers;
- (c) Dismantling of production facilities;
- (d) Technical assistance activities;
- (e) Research and development related to the production of low-GWP or zero-GWP alternatives to HFCs with a view to lowering the costs of alternatives;
- (f) Costs of patents and designs or incremental costs of royalties;
- (g) Costs of converting facilities to produce low-GWP or zero-GWP alternatives to HFCs when technically feasible and cost-effective;
- (h) Costs of reducing emissions of HFC-23, a by-product from the production process of

HCFC-22, by reducing its emission rate in the process, destroying it from the off-gas, or by collecting and converting it to other environmentally safe chemicals; such costs should be funded by the Multilateral Fund to meet the obligations of Article 5 Parties specified under the Amendment.

Refrigeration servicing sector

8. To make the following categories of costs eligible and to include them in the cost calculation associated with the phase-down of HFCs in the refrigeration servicing sector:

- (a) Public-awareness activities;
- (b) Policy development and implementation;
- (c) Certification programmes and training of technicians on safe handling, good practice and safety in respect of alternatives, including training equipment;
- (d) Training of customs officers;
- (e) Prevention of illegal trade of HFCs;
- (f) Servicing tools;
- (g) Refrigerant testing equipment for the refrigeration and air-conditioning sector;
- (h) Recycling and recovery of HFCs.

Energy efficiency

Capacity building to address safety

Disposal

Eligibility of Annex F substances subject to high ambient temperature exemptions

9. That amounts of Annex F substances that are subject to the high-ambient-temperature exemption are not eligible for funding under the Multilateral Fund while they are exempted for that party.

Annex III

**HPMPs AND HPPMPs APPROVED
(81ST MEETING APPROVALS TO BE INCLUDED)**

Country	Implemented by	Total phase-out ODP tonnes	Funding approved in principle (US \$)		
			Project funds	Support costs	Total
HCFC phase-out management plan (stage I)					
Afghanistan	UNEP	8.26	398,825	51,847	450,672
	Germany		37,062	4,818	41,880
	UNIDO		243,214	21,889	265,103
Albania	UNIDO	2.10	230,000	20,700	250,700
	UNEP		85,000	11,050	96,050
Algeria	UNIDO	14.48	1,993,331	152,731	2,146,062
Angola	UNDP	1.59	176,000	15,840	191,840
Antigua and Barbuda	UNEP	0.03	51,700	6,721	58,421
Argentina	UNIDO	83.53	9,560,542	714,843	10,275,385
	IBRD		914,612	68,596	983,208
	Italy		300,000	39,000	339,000
Armenia	UNDP	2.23	562,838	42,213	605,051
	UNEP		39,000	5,070	44,070
Bahamas (the)	UNEP	1.68	156,900	20,397	177,297
	UNIDO		151,420	13,628	165,048
Bahrain	UNEP	23.21	470,000	61,100	531,100
	UNIDO		2,338,985	163,729	2,502,714
Bangladesh	UNDP	24.53	1,201,074	90,081	1,291,155
	UNEP		355,000	46,150	401,150
Barbados	UNEP	1.29	192,000	24,960	216,960
	UNDP		88,000	7,920	95,920
Belize	UNEP	0.98	213,500	27,755	241,255
	UNDP		66,500	5,985	72,485
Benin	UNEP	8.33	370,000	48,100	418,100
	UNIDO		260,000	19,500	279,500
Bhutan	UNEP	0.30	282,000	36,660	318,660
	UNDP		188,000	16,920	204,920
Bosnia and Herzegovina	UNIDO	6.58	953,284	69,886	1,023,170
Bolivia (Plurinational State of)	Germany	2.13	94,500	12,285	106,785
	UNIDO		220,500	19,845	240,345
Botswana	UNEP	3.85	280,000	36,400	316,400
	UNIDO		280,000	19,600	299,600
Brazil	UNDP	220.30	15,326,957	1,149,522	16,476,479
	Germany		4,090,909	460,000	4,550,909
Brunei Darussalam	UNEP	2.14	183,000	23,790	206,790
	UNDP		132,000	11,880	143,880
Burkina Faso	UNEP	6.30	390,000	50,700	440,700
	UNIDO		240,000	21,600	261,600
Burundi	UNEP	2.50	172,000	22,360	194,360
	UNIDO		160,000	14,400	174,400
Cabo Verde	UNEP	0.09	160,000	20,800	180,800
Cambodia	UNEP	15.00	950,000	123,500	1,073,500
	UNDP		650,000	48,750	698,750

Country	Implemented by	Total phase-out ODP tonnes	Funding approved in principle (US \$)		
			Project funds	Support costs	Total
Cameroon	UNIDO	20.50	1,182,725	88,704	1,271,429
Central African Republic (the)	UNEP	4.20	310,000	40,300	350,300
	UNIDO		250,000	18,750	268,750
Chad	UNEP	5.63	325,000	42,250	367,250
	UNIDO		235,000	17,625	252,625
Chile	UNDP	22.00	1,497,966	112,347	1,610,313
	UNEP		288,489	37,504	325,993
China - Industrial, commercial and air-conditioning (ICR)	UNDP	3,385.83	61,000,000	4,396,900	65,396,900
China - Extruded polystyrene foam	Germany		1,350,000	158,500	1,508,500
China - Extruded polystyrene foam	UNIDO		48,650,000	3,512,360	52,162,360
China - Polyurethane foam	IBRD		73,000,000	5,303,870	78,303,870
China - Room air-conditioning (RAC)	UNIDO		75,000,000	5,432,150	80,432,150
China - Servicing sector, including enabling	UNEP		5,240,000	586,400	5,826,400
China - Servicing sector, including enabling	Japan		400,000	52,000	452,000
China - National co-ordination	UNDP		360,000	27,000	387,000
China - Solvent	UNDP		5,000,000	362,500	5,362,500
Colombia	UNDP		78.91	6,721,483	504,111
	UNEP	100,000		13,000	113,000
Comoros (the)	UNEP	0.05	160,000	20,800	180,800
Congo (the)	UNEP	3.55	175,000	22,750	197,750
	UNIDO		175,000	15,750	190,750
Cook Islands	UNEP	0.02	99,000	12,871	111,871
Costa Rica	UNDP	18.93	1,153,523	86,514	1,240,037
Cote D'Ivoire	UNEP	22.33	905,740	109,631	1,015,371
	UNIDO		920,000	66,700	986,700
Croatia	UNIDO	8.10	871,150	65,336	936,486
	Italy		210,000	27,300	237,300
Cuba	UNDP	19.26	1,747,527	131,065	1,878,592
Democratic People's Republic of Korea	UNIDO	20.03	838,247	58,678	896,925
	UNEP		10,303	1,339	11,642
Democratic Republic of Congo (the)	UNEP	5.80	235,000	30,550	265,550
	UNDP		240,000	21,600	261,600
Djibouti	UNEP	0.24	164,500	21,385	185,885
Dominica	UNEP	0.08	164,500	21,385	185,885
Dominican Republic (the)	UNDP	27.14	1,646,225	123,467	1,769,692
	UNEP		50,000	6,500	56,500
Ecuador	UNIDO	23.18	1,846,440	138,483	1,984,923
	UNEP		115,000	14,950	129,950
Egypt	UNIDO	174.00	2,325,415	174,406	2,499,821
	UNDP		6,195,400	469,193	6,664,593
El Salvador	UNDP	9.03	699,277	52,446	751,723
	UNEP		375,000	11,700	386,700
Equatorial Guinea	UNEP	2.20	165,000	21,450	186,450
	UNIDO		150,000	13,500	163,500
Eritrea	UNEP	0.38	90,000	11,700	101,700

Country	Implemented by	Total phase-out ODP tonnes	Funding approved in principle (US \$)		
			Project funds	Support costs	Total
	UNIDO		120,000	10,800	130,800
Ethiopia	UNEP	1.92	175,000	22,750	197,750
	UNIDO		140,000	12,600	152,600
Fiji	UNDP	2.02	189,500	17,055	206,555
	UNEP		125,500	16,316	141,816
Gabon	UNEP	10.57	290,100	37,713	327,813
	UNIDO		249,900	22,491	272,391
Gambia (the)	UNEP	0.52	110,000	14,300	124,300
	UNIDO		100,000	9,000	109,000
Georgia	UNDP	2.33	500,900	37,568	538,468
Ghana	UNDP	26.27	1,031,311	77,348	1,108,659
	Italy		325,000	42,250	367,250
Grenada	UNEP	0.20	135,000	17,550	152,550
	UNIDO		75,000	6,750	81,750
Guatemala	UNIDO	4.30	345,637	25,923	371,560
	UNEP		96,500	12,546	109,046
Guinea	UNEP	7.91	327,000	42,510	369,510
	UNIDO		320,000	24,000	344,000
Guinea-Bissau	UNEP	0.99	165,000	21,450	186,450
	UNIDO		115,000	10,350	125,350
Guyana	UNEP	0.18	18,000	2,340	20,340
	UNDP		48,000	4,320	52,320
Haiti	UNEP	1.26	182,881	23,775	206,656
	UNDP		97,119	8,741	105,860
Honduras	UNIDO	6.97	380,000	28,500	408,500
	UNEP		250,000	32,500	282,500
India	UNDP	341.77	18,438,490	1,340,694	19,779,184
	UNEP		861,600	104,776	966,376
	Germany		1,994,400	229,384	2,223,784
Indonesia	UNDP	135.00	8,901,102	667,583	9,568,685
	Australia		300,000	39,000	339,000
	IBRD		2,714,187	203,564	2,917,751
	UNIDO		777,395	58,305	835,700
Iran (Islamic Republic of)	UNDP	164.40	4,340,246	325,518	4,665,764
	UNEP		262,000	34,060	296,060
	UNIDO		2,506,277	187,971	2,694,248
	Germany		2,885,815	327,440	3,213,255
Iraq	UNEP	14.98	660,000	82,600	742,600
	UNIDO		520,000	39,000	559,000
Jamaica	UNDP	8.10	578,450	43,384	621,834
	UNEP		77,000	10,010	87,010
Jordan	UNIDO	25.51	2,259,217	170,824	2,430,041
	IBRD		1,070,100	79,823	1,149,923
Kenya	France	11.63	900,000	109,000	1,009,000
Kiribati	UNEP	0.02	109,000	14,171	123,171
Kuwait	UNEP	239.15	1,043,000	124,730	1,167,730
	UNIDO		8,861,677	638,005	9,499,682
Kyrgyzstan	UNDP	1.02	52,800	4,752	57,552
	UNEP		35,200	4,576	39,776

Country	Implemented by	Total phase-out ODP tonnes	Funding approved in principle (US \$)		
			Project funds	Support costs	Total
Lao People's Democratic Republic (the)	UNEP	0.80	235,000	30,550	265,550
	France		45,000	5,850	50,850
Lebanon	UNDP	24.51	2,495,109	187,133	2,682,242
Lesotho	Germany	1.23	280,000	36,400	316,400
Liberia	Germany	1.85	315,000	40,950	355,950
Libya	UNIDO	26.51	1,908,843	133,619	2,042,462
Madagascar	UNEP	6.00	300,000	39,000	339,000
	UNIDO		260,000	19,500	279,500
Malawi	UNEP	3.78	230,000	29,900	259,900
	UNIDO		120,000	10,800	130,800
Malaysia	UNDP	111.85	9,587,470	719,060	10,306,530
Maldives	UNEP	3.70	680,000	88,400	768,400
	UNDP		420,000	31,500	451,500
Mali	UNEP	5.20	280,000	36,400	316,400
	UNDP		280,000	21,000	301,000
Marshall Islands	UNEP	0.08	113,000	14,690	127,690
Mauritania	UNEP	4.46	302,500	39,325	341,825
	UNDP		305,000	21,350	326,350
Mauritius	Germany	8.00	950,000	114,500	1,064,500
Mexico	UNIDO	428.20	4,412,195	330,915	4,743,110
	UNDP		13,654,016	1,024,051	14,678,067
Micronesia (Federated States of)	UNEP	0.05	112,000	14,560	126,560
Moldova	UNDP	0.10	88,000	7,920	95,920
Mongolia	UNEP	1.00	236,000	30,680	266,680
	Japan		130,000	16,900	146,900
Montenegro	UNIDO	0.28	404,500	30,338	434,838
Morocco	UNIDO	16.77	1,286,740	96,506	1,383,246
Mozambique	UNEP	2.27	165,000	21,450	186,450
	UNIDO		150,000	13,500	163,500
Myanmar	UNEP	1.50	220,000	28,600	248,600
	UNIDO		60,000	5,400	65,400
Namibia	Germany	8.40	900,000	109,000	1,009,000
Nauru	UNEP	0.003	74,000	9,620	83,620
Nepal	UNEP	0.64	126,000	16,380	142,380
	UNDP		84,000	7,560	91,560
Nicaragua	UNEP	2.69	108,000	14,040	122,040
	UNIDO		222,000	19,980	241,980
Niger (the)	UNIDO	5.60	285,000	21,375	306,375
	UNEP		275,000	35,750	310,750
Nigeria	UNDP	90.10	2,999,750	224,981	3,224,731
	UNIDO		1,939,080	145,431	2,084,511
Niue	UNEP	0.003	73,000	9,490	82,490
Oman	UNIDO	6.79	349,120	26,184	375,304
	UNEP		85,000	11,050	96,050
Pakistan	UNIDO	79.10	5,008,849	375,664	5,384,513
	UNEP		440,000	57,200	497,200
Palau	UNEP	0.06	120,000	15,600	135,600
Panama	UNDP	4.78	265,545	19,916	285,461
	UNEP		70,000	9,100	79,100

Country	Implemented by	Total phase-out ODP tonnes	Funding approved in principle (US \$)		
			Project funds	Support costs	Total
Papua New Guinea	Germany	3.40	1,250,000	147,500	1,397,500
Paraguay	UNEP	6.28	330,000	42,900	372,900
	UNDP		300,000	22,500	322,500
Peru	UNDP	3.74	232,671	20,940	253,611
	UNEP		50,000	6,500	56,500
Philippines (the)	UNEP	45.00	230,000	29,900	259,900
	UNIDO		1,770,650	132,799	1,903,449
	Japan		317,350	41,256	358,606
Qatar	UNIDO	57.86	1,726,600	129,495	1,856,095
	UNEP		310,000	40,300	350,300
Region: ASP	UNEP		285,000	37,050	322,050
Rwanda	UNEP	1.44	170,000	22,100	192,100
	UNIDO		110,000	9,900	119,900
Saint Kitts and Nevis	UNEP	0.18	124,500	16,185	140,685
	UNDP		40,000	3,600	43,600
Saint Lucia	UNEP	0.38	82,650	10,745	93,395
	UNIDO		127,350	11,462	138,812
Saint Vincent and the Grenadines	UNEP	0.28	345,800	44,954	390,754
	UNIDO		124,115	11,170	135,285
Samoa	UNEP	0.09	148,500	19,306	167,806
Sao Tome and Principe	UNEP	0.05	160,000	20,800	180,800
Saudi Arabia	UNIDO	703.29	12,480,171	882,206	13,362,377
	UNEP		720,800	89,289	810,089
	Japan		220,000	28,600	248,600
Senegal	UNIDO	7.34	330,000	24,750	354,750
	UNEP		300,000	38,887	338,887
Serbia	UNIDO	2.94	897,760	67,333	965,093
	UNEP		75,500	9,815	85,315
Seychelles	Germany	1.40	600,000	76,000	676,000
Sierra Leone	UNEP	0.58	110,000	14,300	124,300
	UNIDO		100,000	9,000	109,000
Solomon Islands	UNEP	0.67	195,000	25,351	220,351
Somalia	UNIDO	5.75	315,000	22,050	337,050
South Africa	UNIDO	176.72	6,533,556	457,349	6,990,905
South Sudan	UNEP	0.57	120,000	15,600	135,600
	UNDP		90,000	8,100	98,100
Sri Lanka	UNDP	4.76	398,866	29,915	428,781
	UNEP		249,000	32,370	281,370
Sudan (the)	UNIDO	16.15	1,456,341	108,476	1,564,817
Suriname	UNEP	0.69	104,000	13,520	117,520
	UNIDO		106,000	9,540	115,540
Swaziland	UNEP	6.19	210,000	27,300	237,300
	UNDP		667,948	50,096	718,044
Thailand	IBRD	234.73	17,805,665	1,246,397	19,052,062
	Japan		302,965	39,385	342,350
The former Yugoslav Republic of Macedonia	UNIDO	2.18	1,166,955	87,522	1,254,477
Timor-Leste	UNEP	0.05	164,900	21,437	186,337
	UNDP		106,800	9,612	116,412

Country	Implemented by	Total phase-out ODP tonnes	Funding approved in principle (US \$)		
			Project funds	Support costs	Total
Togo	UNEP	7.00	280,000	36,400	316,400
	UNIDO		350,000	26,250	376,250
Tonga	UNEP	0.05	127,000	16,511	143,511
Trinidad and Tobago	UNDP	17.90	1,462,733	109,705	1,572,438
Tunisia	UNIDO	10.60	1,100,195	77,014	1,177,209
	UNEP		100,000	13,000	113,000
	France		600,000	76,000	676,000
Turkey	UNIDO	507.87	14,120,090	1,026,975	15,147,065
	UNEP		103,450	13,449	116,899
Turkmenistan	UNIDO	2.38	652,050	48,904	700,954
Tuvalu	UNEP	0.03	92,000	11,960	103,960
Uganda	UNEP	0.07	84,500	10,985	95,485
	UNIDO		80,000	7,200	87,200
United Republic of Tanzania (the)	UNEP	0.59	110,000	14,300	124,300
	UNIDO		100,000	9,000	109,000
Uruguay	UNDP	4.18	380,004	28,500	408,504
Vanuatu	UNEP	0.10	148,500	19,306	167,806
Venezuela (Bolivarian Republic of)	UNIDO	23.16	1,772,068	132,905	1,904,973
	UNEP		122,432	15,916	138,348
Viet Nam	IBRD	143.20	9,125,020	684,377	9,809,397
Yemen	UNEP	63.28	380,000	49,400	429,400
	UNIDO		410,000	28,700	438,700
Zambia	UNEP	1.70	175,000	22,750	197,750
	UNIDO		140,000	12,600	152,600
Zimbabwe	Germany	12.34	1,038,818	124,270	1,163,088
HCFC phase-out management plan (stage II)					
Angola	UNDP	9.18	904,000	63,280	967,280
Argentina	UNIDO	115.19	9,691,238	678,387	10,369,625
	Italy		250,000	32,500	282,500
Armenia	UNDP	3.26	129,600	11,664	141,264
	UNEP		86,400	11,232	97,632
Brazil	UNDP	464.06	16,770,000	1,173,900	17,943,900
	UNIDO		11,216,697	785,169	12,001,866
	Germany		7,727,273	860,000	8,587,273
	Italy		250,000	32,500	282,500
Chile	UNDP	49.52	2,145,047	150,153	2,295,200
	UNEP		218,270	28,375	246,645
	UNIDO		1,030,700	72,149	1,102,849
China - Polyurethane foam	IBRD	8,715.83	141,471,210	9,230,854	150,702,064
China - Extruded polystyrene foam	UNIDO		111,701,495	7,298,173	118,999,668
China - Extruded polystyrene foam	Germany		1,085,135	129,366	1,214,501
China - Industrial, commercial and air-conditioning (ICR)	UNDP		89,144,797	5,861,256	95,006,053
China - Room air-conditioning (RAC)	UNIDO		88,252,905	5,809,794	94,062,699
China - Room air-conditioning (RAC)	Italy		891,892	108,108	1,000,000
China - Solvent	UNDP		47,262,566	3,086,177	50,348,743

Country	Implemented by	Total phase-out ODP tonnes	Funding approved in principle (US \$)		
			Project funds	Support costs	Total
China - Servicing sector, including enabling	UNEP		18,890,000	2,087,901	20,977,901
China - Servicing sector, including enabling	Germany		1,000,000	120,000	1,120,000
China - Servicing sector, including enabling	Japan		400,000	52,000	452,000
Colombia	UNDP	122.30	4,503,481	315,243	4,818,724
	UNEP		175,000	22,750	197,750
	Germany		543,000	69,730	612,730
Dominican Republic (the)	UNDP	15.36	1,279,558	89,569	1,369,127
	UNEP		195,000	25,350	220,350
Egypt	UNIDO	146.97	5,996,841	419,779	6,416,620
	UNDP		3,695,722	258,701	3,954,423
	UNEP		1,055,000	126,049	1,181,049
	Germany		207,300	26,949	234,249
Guyana	UNEP	1.62	242,500	31,525	274,025
	UNDP		441,500	30,906	472,406
India	UNDP	769.49	38,911,459	2,723,802	41,635,261
	UNEP		900,000	108,999	1,008,999
	Germany		5,100,000	571,000	5,671,000
Indonesia	UNDP	84.33	4,047,000	283,290	4,330,290
	IBRD		4,255,163	297,861	4,553,024
Iran (Islamic Republic of)	UNDP	162.37	4,905,361	343,376	5,248,737
	UNIDO		2,103,205	147,225	2,250,430
	UNEP		700,000	87,000	787,000
	Germany		2,672,404	303,964	2,976,368
	Italy		907,207	109,793	1,017,000
Jordan	IBRD	44.79	2,075,236	145,267	2,220,503
	UNIDO		999,455	69,961	1,069,416
Kenya	France	21.78	1,763,850	204,023	1,967,873
Kyrgyzstan	UNDP	3.08	400,000	28,000	428,000
	UNEP		312,000	40,560	352,560
Lebanon	UNDP	36.70	4,203,826	294,267	4,498,093
Malaysia	UNDP	146.24	6,138,063	429,665	6,567,728
Mexico	UNIDO	516.90	7,772,590	544,082	8,316,672
	Germany		650,000	81,500	731,500
	Italy		458,191	59,565	517,756
	UNEP		80,000	10,400	90,400
	Spain		2,126,991	243,969	2,370,960
Oman	UNIDO	5.32	285,000	19,950	304,950
	UNEP		200,000	26,000	226,000
Pakistan	UNIDO	72.98	4,776,772	334,374	5,111,146
	UNEP		503,000	65,330	568,330
Panama	UNDP	9.11	723,654	50,656	774,310
Peru	UNDP	14.40	1,167,000	81,690	1,248,690
	UNEP		208,000	27,040	235,040
Philippines (the)	IBRD	24.59	2,750,057	192,504	2,942,561
Republic of Moldova (the)	UNDP	0.25	122,300	11,007	133,307
	UNEP		52,200	6,786	58,986

Country	Implemented by	Total phase-out ODP tonnes	Funding approved in principle (US \$)		
			Project funds	Support costs	Total
Sudan (the)	UNIDO	31.34	2,750,729	192,551	2,943,280
Timor-Leste	UNEP	0.34	206,880	26,894	233,774
	UNDP		137,920	12,413	150,333
Uruguay	UNDP	11.05	1,105,157	77,361	1,182,518
Venezuela (Bolivarian Republic of)	UNIDO	64.41	1,967,144	137,700	2,104,844
	UNDP		1,326,420	92,849	1,419,269
Viet Nam	IBRD	130.57	14,411,204	1,008,786	15,419,990
	Japan		233,630	30,372	264,002
HCFC production phase-out management plan (stage I)					
China	IBRD	3,970.00	95,000,000	5,320,000	100,320,000