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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Sixty-second Meeting
Montreal, 29 November - 3 December 2010

**UPDATED MODEL ROLLING THREE-YEAR PHASE-OUT PLAN: 2011-2013
(DECISION 59/5)**

Introduction

1. The Secretariat is submitting herewith the model rolling three-year phase-out plan for the 2011-2013 triennium as a follow-up to decision 59/5(d). This paper contains:

- (a) An estimate of the maximum amounts of CFCs, halons, methyl bromide (MB), CTC and TCA that need to be funded in the 2011-2013 triennium to achieve compliance with the Montreal Protocol phase-out targets;
- (b) A brief analysis of HCFC consumption and production by Article 5 countries;
- (c) An analysis of the level of funding that has been agreed in principle by the Executive Committee for multi-year agreements;
- (d) An estimate of the funding level of projects submitted to the 62nd Meeting; and
- (e) A set of conclusions and recommendations.

Background

2. At the 37th Meeting, the Secretariat submitted a compliance-oriented model for the 2003-2005 triennium, which was adopted by the Executive Committee as a flexible guide for resource planning for the triennium. The Secretariat was also requested to prepare a model rolling three-year phase-out plan (the model) for the Multilateral Fund. Since then, it has updated the model after each meeting of the Executive Committee.

3. At its 59th Meeting, the Executive Committee considered the updated model for the 2010-2012 period and decided, *inter alia*:

- (a) To adopt the model three-year phase-out plan as a flexible guide for resource planning to phase out eligible ODS for the 2010-2012 triennium; and
- (b) To request the Secretariat to present an updated model for the 2011-2013 period to the last meeting of the Executive Committee in 2010 to provide guidance as relevant for the preparation of the 2011-2013 business plan of the Multilateral Fund (decision 59/5).

4. In line with decision 59/5, the Secretariat reviewed the model, taking into account the amounts of ODS to be phased out in projects and sectoral/national phase-out plans that have been approved by the Executive Committee since the 59th Meeting, and the latest data reported by Article 5 countries under Article 7 of the Montreal Protocol (data provided by the Ozone Secretariat as of 7 October 2010) and, when not available, the country programme data submitted to the Fund Secretariat (CP data).

5. A summary of the projects approved at the 59th, 60th and 61st Meetings of the Executive Committee is presented in Annex I to the present report. The assumptions on which the model is based are contained in Annex II, and the results of the analysis (by ODS and country) are presented in Annex III.

Scope of the model

6. Of the current 196 Parties to the Montreal Protocol¹, 147 countries are classified as operating under paragraph 1 of Article 5 of the Protocol (103 of these countries are considered

¹ As of 30 October 2010, all countries are Parties to the Montreal Protocol. The number of countries that are Parties to the London, Copenhagen, Montreal and Beijing Amendments are 195, 192, 181 and 165, respectively.

low-volume-consuming, or LVC, countries²). Three of the current 147 Article 5 countries were reclassified as operating under paragraph 1 of Article 5 and have agreed or were urged not to seek assistance from the Multilateral Fund³ and, therefore, have not been considered in the model.

7. The analysis covers the following ODS: CFCs, halons, methyl bromide (MB), CTC, TCA and HCFCs as per decision 54/5(b)(i). The institutional strengthening projects of all Article 5 countries will continue to be funded, as appropriate.

ODS phase-out in the 2011-2013 triennium excluding HCFCs

8. After taking into consideration the phase-out projects and activities approved by the Executive Committee at its 59th to 61st Meetings, the model was run to determine the maximum amounts of CFCs, halons, MB, CTC and TCA that need to be funded during the 2011-2013 triennium to achieve the 2010 Montreal Protocol phase-out targets.

CFCs

9. The analysis for CFCs includes a revision of: CFC consumption for non-low-volume-consuming (non-LVC) countries (41 countries); CFC consumption for low-volume-consuming (LVC) countries (103 countries); and CFC in the production sector (7 countries).

10. At its 60th Meeting, the Executive Committee decided, *inter alia*, that outstanding funding tranches of national phase-out plans (NPPs) for non-LVC countries or terminal phase-out management plans (TPMPs) for LVC countries not submitted to the 61st Meeting should be integrated into the relevant HCFC phase-out management plans (HPMPs) of the countries concerned (decision 60/11). Subsequently, at its 61st Meeting the Executive Committee decided to allow the submission of NPP and TPMP tranches for activities initially approved in 2008 or 2009 for three countries (Burundi, Eritrea and Iraq) up to the 63rd Meeting (decision 61/5(f)).

11. The 41 non-LVC countries⁴ each have an approved CFC phase-out plan addressing all the CFC consumption eligible for funding. The total CFC baseline for these countries is 147,737.4 ODP tonnes, and the 2008/2009 CFC consumption is 2,021.8 ODP tonnes. One country (Iraq) could submit a request for funding the last tranche of the NPP up to the 63rd Meeting.

12. The 103 LVC countries are divided into 3 groups (Table 2 of Annex III) according to the level of assistance they have received to meet Montreal Protocol limits:

- | | |
|-----------|--|
| Group I: | Consisting of 2 countries (Somalia and Timor-Leste) that do not have an approved country programme and refrigerant management plan (RMP) project. The total CFC baseline for these countries is 277.4 ODP tonnes, and the 2008/2009 CFC consumption is 6.0 ODP tonnes. |
| Group II: | Consisting of 3 countries, which have had RMPs approved in accordance with decision 31/48 ⁵ . The total CFC baseline for these countries is 170.1 ODP tonnes |

² Countries with CFC baseline consumption below 360 ODP ton.

³ These countries are: Republic of Korea (the), Singapore, South Africa and United Arab Emirates (the). At their 19th Meeting, the Parties decided that South Africa, as an Article 5 Party is eligible for technical and financial assistance from the Fund for fulfilling its commitments to phase out both production and consumption of HCFCs.

⁴ Romania has been reclassified as a non-Article 5 Party from 1 January 2008 (decision XIX/19). Romania is included in this document, since the Party received assistance from the Multilateral Fund for phasing out ODS consumption and production when it was classified as an Article 5 Party.

⁵ Article 5 countries are committed to achieving their 50 per cent and 85 per cent reduction targets without further assistance from the Fund, except for the continued funding of their institutional strengthening projects.

and the 2008/2009 reported consumption under Article 7/CP data is 14.0 ODP tonnes.

Group III: Consisting of 98 countries⁶, which have total phase-out plans approved and which will not seek further assistance from the Multilateral Fund to achieve phase-out by 2010. The total CFC baseline for these countries is 7,294.5 ODP tonnes, and the 2008/2009 CFC consumption is 167.3 ODP tonnes. One Article 5 country (Burundi) submitted the final tranche of the TPMP to the 62nd Meeting.

13. The CFC production sector can be described as follows:

- (a) Seven countries eligible for funding (Argentina, China, Democratic People's Republic of Korea (the), India, Mexico, Romania and Venezuela (Bolivarian Republic of), have a CFC production baseline (total of 88,614.1 ODP tonnes);
- (b) Projects for the closure of all CFC production facilities in all 7 countries have been approved by the Executive Committee and have been completed (excluding production of pharmaceutical grade CFCs in China). In 2009, only one country (China) reported production of CFCs (547.4 ODP tonnes);
- (c) One country (India) has submitted requests for tranches of already approved CFC phase-out closure plans to the 62nd Meeting.

Halons

14. The analysis for halons includes a revision of both halon consumption (75 countries) and halon production (2 countries). Table 3 of Annex III lists the 77 countries with an established halon baseline. These countries are divided into 2 major groups:

Group I: Consisting of 15 countries with a halon baseline but without reported halon consumption between 2007 and 2009 (except for one country (Somalia) that reported a halon consumption of 13.2 ODP tonnes in 2007). The total halon baseline for these countries is 62.9 ODP tonnes.

Group II: Consisting of 62 countries that have approved investment projects, halon banking and/or technical assistance programmes (at the national or regional levels) for the complete phase-out of halons. The total halon baseline of these countries is 42,706.2 ODP tonnes and the 2009 halon consumption is 1,035.9 ODP tonnes by two Article 5 countries (985.9 ODP tonnes consumed by China and 50 ODP tonnes by Saudi Arabia).

15. Two countries have an established halon production baseline (China, 40,993.0 ODP tonnes, and India, 288.8 ODP tonnes). One country (India) has reported zero production levels under Article 7 since 1998; the total reported halon production under Article 7 in 2007 for the other country (China) was 988.3 ODP tonnes. Projects for halon production closure have been funded in both countries. In 2009, only one country (China) reported production of halons (985.9 ODP tonnes);

⁶ Two countries (Armenia and Turkmenistan) have received funding outside the Multilateral Fund to achieve the complete phase-out of CFCs.

Methyl bromide

16. The analysis for MB includes a revision of MB consumption (145 countries) and MB production (2 countries). For the MB consumption sector, all countries are divided into the following 5 major groups (Table 4 of Annex III):

- Group I: Consisting of 8 countries with an established MB baseline but have not yet received assistance. The total MB baseline for these countries is 33.8 ODP tonnes and the 2008/2009 reported consumption under Article 7/CP data is 10.5 ODP tonnes;
- One country (Iraq) had submitted to the 62nd Meeting a project proposal for the complete phase-out of controlled uses of MB;
- One country (Tunisia) might need assistance to achieve the 20 per cent reduction target in a future year in accordance with decision XV/12⁷ of the 15th Meeting of the Parties;
- Five countries (Bahamas, Barbados, Ethiopia, Guyana and Vanuatu) had reported zero consumption of MB.
- Group II: Consisting of 10 countries with approved projects and remaining unfunded MB consumption of 566.0 ODP tonnes. The total MB baseline for these countries is 1,188.3 ODP tonnes and the 2008/2009 reported consumption under Article 7/CP data is 321.1 ODP tonnes.
- Group III: Consisting of 60 countries with approved projects that would achieve the complete phase-out of all controlled uses of MB. The total MB baseline for these countries is 7,667.5 ODP tonnes and the 2008/2009 reported consumption under Article 7/CP data is 2,296.4 ODP tonnes;
- Two countries (Morocco and Yemen) have submitted to the 62nd Meeting a request for a tranche of an already approved multi-year MB project.
- Group IV: Consisting of 64 countries with a MB baseline equal to zero, or no calculated baseline, or with no (or very little) current consumption.
- Group V: Consisting of 3 countries (Angola, Guinea, and Nepal) that are not yet Parties to the Copenhagen Amendment.

⁷ Through its decision XV/12, the Parties to the Montreal Protocol decided as follows:

1. That the Implementation Committee and Meeting of the Parties should defer the consideration of the compliance status of countries that use over 80 per cent of their consumption of methyl bromide on high-moisture dates until two years after the Technology and Economic Assessment Panel formally finds that there are alternatives to methyl bromide that are available for high moisture dates;
2. That the above provision shall apply so long as the relevant Party does not increase consumption of methyl bromide on products other than high-moisture dates beyond 2002 levels, and the Party has noted its commitment to minimizing the use of methyl bromide for dates to the extent necessary to ensure effective control of pests;
3. To request the Executive Committee to consider appropriate demonstration projects for alternatives on high-moisture dates, and to ensure that the results of those projects are shared with the Technology and Economic Assessment Panel.

17. The MB production sector can be described as follows:

- (a) Two countries (China and Romania) have a MB production baseline totalling 794.6 ODP tonnes. In 2009, one country (China) reported a production level of 241.9 ODP tonnes;
- (b) Projects for the closure of the MB production facilities in these 2 countries have been approved by the Executive Committee. One project has been completed (Romania) and the other is still under implementation (China).

CTC

18. The analysis for CTC includes a revision of both CTC consumption and CTC production. Table 5 of Annex III lists the 62 countries with an established CTC baseline and with current consumption (reported for 2008 and/or 2009), and countries with no established CTC baseline but with current reported consumption. The countries are divided into 2 major groups:

- Group I: Consisting of 7 countries with an established CTC baseline but have not yet received assistance. The total CTC baseline for these countries is 41.4 ODP tonnes. Only one country (Ecuador) reported a total consumption of 0.1 ODP tonnes of CTC in 2009 (the other 6 countries had reported zero consumption).
- Group II: Consisting of 55 countries⁸ with approved CTC phase-out plans, investment projects or technical assistance programmes for the complete phase-out of CTC consumption. The total CTC baseline for these countries is 67,295.0 ODP tonnes and the 2009 reported consumption under Article 7/CP data is -200.6 ODP tonnes.

19. The CTC production sector can be described as follows:

- (a) Five countries (Brazil⁹, China, Democratic People's Republic of Korea (the), India and Romania), have a CTC production baseline totalling 68,825.9 ODP tonnes;
- (b) Projects for the complete phase-out of CTC in the production and consumption sectors in 4 countries (China, Democratic People's Republic of Korea (the), India, and Romania) with a total CTC production baseline of 57,196.3 ODP tonnes have been approved by the Executive Committee. One project (Romania) has been completed.

TCA

20. The analysis for TCA includes a revision of both TCA consumption and TCA production. Table 6 of Annex III lists 47 countries with an established TCA baseline. These countries are divided into two major groups:

⁸ The CTC baseline in 1 country (Venezuela (Bolivarian Republic of)) is 1,107.2 ODP ton. Before 2000, CTC consumption in this country was relatively low, except for 1995 and 1999 when the reported consumption was 1,708.8 and 3,321.5 ODP ton, respectively. From 2000, CTC consumption has been nil. Since the country is a CFC producer and has reported very low consumption of CTC, it would appear that the consumption reported in 1995 and 1999 could have been related to feedstock applications. Therefore, the model has not taken into account the CTC baseline for this country.

⁹ The model has not taken into account the phase-out of the CTC production facilities in Brazil (baseline of 11,629.6 ODP ton) because no information is available on the level of controlled and/or other uses of CTC (e.g., feedstock) and the eligibility for funding (e.g., foreign ownership of the production facilities).

- Group I: Consisting of 9 countries with an established TCA baseline but have not yet received assistance. The total TCA baseline for these countries is 225.8 ODP tonnes and the 2009 reported consumption under Article 7/CP data is zero.
- Group II: Consisting of 38 countries with an approved TCA phase-out plan, investment projects or technical assistance programmes for the complete phase-out of TCA consumption. The total TCA baseline for these countries is 1,122.7 ODP tonnes and the 2009 reported consumption under Article 7/CP data is 99.3 ODP tonnes (one country (China) reported a total consumption of 83.6 ODP tonnes of TCA in 2009).

21. The TCA production sector can be described as follows:
- Three countries (Brazil¹⁰, China and Democratic People's Republic of Korea (the)), have a TCA production baseline totalling 152.9 ODP tonnes;
 - Projects for the complete phase-out of TCA in the production sector have been approved by the Executive Committee in 2 countries (China and Democratic People's Republic of Korea (the)) with a total TCA production baseline of 120.5 ODP tonnes.

ODS reductions to be achieved in 2011-2013 from approved phase-out plans and projects

22. The results of the model are presented in Tables 1 to 10 of Annex III to this document. The maximum total amount of ODS that needs to be funded during the 2011-2013 triennium is 185.9 ODP tonnes of MB.

23. The Executive Committee should also be cognizant of the fact that:
- The latest reported consumption of ODSs excluding HCFCs by Article 5 countries represents 2.09 per cent of the sum of their ODS baselines for compliance. Except for MB and TCA (with compliance phase-out targets by 1 January 2015) the latest reported consumption for the other ODSs (i.e., CFC, halon and CTC) is less than 2.5 per cent of the sum of their respective baselines as shown below.

ODS (ODP tonnes)	Baseline	2008/2009	% of baseline
CFC non-LVC countries	147,737.4	2,021.8	1.37%
CFC LVC countries	7,742.0	187.3	2.42%
Halon	42,769.1	1,035.9	2.42%
MB	8,903.8	2,628.0	29.52%
CTC	67,336.4	-200.5	-0.30%
TCA	1,348.5	99.3	7.36%
Total	275,837.2	5,771.8	2.09%

- Some 14,579.3 ODP¹¹ ton of ODS consumption have yet to be phased out in approved multi-year sectoral and national phase-out plans during the remainder of 2010 and in the 2011-2013 triennium; and

¹⁰ The model has not taken into account the phase-out of TCA production facilities in Brazil (baseline of 32.4 ODP ton), taking into consideration that, since 2000, production of TCA has been nil.

¹¹ Data available as of the end of 2010.

- (c) 41 national ODS phase-out plans for non-LVC countries, 98 TPMPs for LVC countries¹², and 12 phase-out plans in the production sector in 7 non-LVC countries are under current implementation.

Analysis of HCFC phase-out

24. At their 19th Meeting, the Parties to the Montreal Protocol agreed to accelerate the phase-out of the production and consumption of HCFCs (decision XIX/6).¹³ Accordingly, the compliance-oriented model considered by the Executive Committee at its 56th Meeting included, for the first time, the 2002-2007 consumption and production levels of HCFCs as reported under Article 7 of the Protocol.

25. The updated model rolling three-year phase-out plan considered by the Executive Committee at its 59th Meeting included a preliminary analysis of HCFC consumption and production in Article 5 countries. The analysis was conducted solely on the basis of HCFC consumption reported by Article 5 countries and did not take into consideration issues related to funding eligibility, HCFC consumption by manufacturing enterprises established after the cut-off date, second-stage conversions, and HCFC-141b contained in imported pre-blended polyols not reported as consumption under Article 7 of the Montreal Protocol. Since then, a number of relevant decisions on HCFCs have been adopted by the Executive Committee. Specifically,

- (a) At the 60th Meeting, it was decided not to consider any projects to convert HCFC-based manufacturing capacity installed after 21 September 2007; the principles in regard to second-stage conversion projects for the first stage of HPMP implementation were agreed; Article 5 countries were allowed to choose between the most recent reported HCFC consumption under Article 7 of the Montreal Protocol and the average of consumption forecast for 2009 and 2010, in calculating starting points for aggregate reductions in HCFC consumption (decision 60/44);
- (b) At the 61st Meeting, an approach for providing assistance to phase-out HCFC-141b contained in imported pre-blended polyols in Article 5 countries that are not reporting that amount under Article 7 of the Montreal Protocol was agreed (decision 61/47);
- (c) At the 61st Meeting, the revised 2010-2014 consolidated business plan of the Multilateral Fund was noted by the Executive Committee. The HCFC consumption baseline used in the business plan to assess the level of reduction in HCFC consumption by all Article 5 countries was 31,277.4 ODP tonnes¹⁴.

26. The analysis of HCFC consumption is based on the following considerations:

- (a) HCFC consumption data reported under Article 7 of the Montreal Protocol for the period 2000 to 2009. Not all Article 5 countries have reported consumption for all HCFCs and/or for all years of the 2000 to 2009 period. For countries that had not reported their 2009 ODS consumption data, the same HCFC consumption as for 2008 was considered for 2009;

¹² Including TPMPs for Armenia and Turkmenistan funded outside the Multilateral Fund.

¹³ For Article 5 Parties, the accelerated phase-out of production and consumption of HCFCs was agreed on the basis of the following steps: freeze in 2013; 10 per cent reduction by 2015; 35 per cent by 2020; 67.5 per cent by 2025; and phase-out in 2030 while allowing for servicing an annual average of 2.5 per cent during the 2030–2040 period.

¹⁴ The HCFC baseline was calculated from the 2008 reported consumption under Article 7 of the Montreal Protocol. The 2009 and 2010 forecasted consumption was based on a growth rate of 8 per cent for each year.

- (b) In several countries, wide fluctuations in consumption of the same type of HCFC occurred during the reporting period¹⁵;
- (c) HCFC consumption by three Article 5 countries, which have agreed not to seek assistance from the Fund (Republic of Korea, Singapore and United Arab Emirates), has not been included. The total 2008/2009 reported HCFC consumption under Article 7 for these countries is 2,497.8 ODP tonnes;
- (d) The 2009 HCFC consumption by one country (18,624.0 ODP tonnes, China) represents over 58.2 per cent of the total consumption in Article 5 countries (31,996.4 ODP tonnes);
- (e) Of the 8 HCFCs¹⁶ currently consumed by Article 5 countries, 3 HCFCs (i.e., HCFC-22, HCFC-141b and HCFC-142b) represents over 99 per cent of total consumption in all countries. Although the sectoral distribution of HCFC consumption¹⁷ will only be known once the countries submit their HPMPs, it is expected that most of HCFC-22 consumption will be concentrated in the refrigeration and air conditioning sectors, while that of HCFC-141b and HCFC-142b will be in the foam sector;
- (f) Not every Article 5 country that imported pre-mixed polyols containing HCFC-141b had reported the HCFC-141b as “consumption” (according to the definition of the Montreal Protocol);
- (g) Several refrigerants currently available in the market are blends of different substances including HCFCs. It is not known if Article 5 countries are reporting HCFCs contained in these blends as consumption.

27. The Secretariat used annual growth rates to forecast HCFC consumption for the 2010-2012 period. For consumption in 2010 the Secretariat applied a rate of 8 per cent which was similar to the growth rate used in the revised consolidated 2010-2014 business plan noted by the Executive Committee at its 61st Meeting. For consumption in 2011 and 2012 an annual rate of 6 per cent, similar to the growth rate used in the updated model rolling three-year phase-out plan submitted to the 59th Meeting was applied for each year.

28. Based on the information currently available on the sectoral distribution of HCFC consumption by Article 5 countries, the Secretariat categorized the countries into the following four groups¹⁸:

- Group I: Consisting of 96 Article 5 countries with consumption of mainly HCFC-22. The total 2009 HCFC consumption of these countries is 1,230.3 ODP tonnes. It is assumed that these countries will meet their HCFC phase-out control targets mainly through reduction of HCFC-22 consumption in the refrigeration servicing sub-sector;
- Group II: Consisting of 12 Article 5 countries with reported consumption mainly of HCFC-22 and relatively low consumption (less than 15 per cent of the total) of

¹⁵ The issue of the high levels of recorded HCFC consumption in the recent past is presented to the 62nd Meeting in document UNEP/OzL.Pro/ExCom/62/10 (overview of issues identified during project review).

¹⁶ HCFC-123, HCFC-124, HCFC-225, HCFC-225ca, HCFC-225cb, HCFC-141b, HCFC-142b, and HCFC-22.

¹⁷ HCFCs can be used in many of the following applications: as a foam blowing and/or co-blowing agent; as a stand-alone refrigerant (HCFC-22) and/or as a component of a refrigerant mixture (HCFC-141b, HCFC-22) used in the manufacturing, servicing and/or assembly of refrigeration systems; as a solvent (HCFC-141b); as a propellant in aerosol applications; or as a component of fire extinguisher systems.

¹⁸ This grouping should be revised once the detailed sectoral distribution of HCFCs in each Article 5 country is known.

HCFC-141b and/or HCFC-142b. The total 2009 HCFC consumption of these countries is 447.4 ODP tonnes. It is assumed that these countries might meet their 2013 and 2015 HCFC phase-out control targets mainly through reduction of HCFC-141b in the foam manufacturing sector and possibly also through reductions in HCFC-22 consumption in the refrigeration sector;

Group III: Consisting of 35 Article 5 countries with reported consumption of HCFC-22, HCFC-141b and/or HCFC-142b. The total 2009 HCFC consumption of these countries is 11,694.7 ODP tonnes. It is assumed that these countries might meet their 2013 and 2015 HCFC phase-out control targets mainly through reduction of HCFC-141b in the foam manufacturing sector and HCFC-22 consumption in the refrigeration manufacturing sector;

Group IV: Consisting of one country (China) with large levels of reported consumption of HCFC-22, HCFC-141b, and HCFC-142b (18,624.0 ODP tonnes in 2009). This country might be able to meet at least the 2020 phase out target by reducing its HCFC consumption in the manufacturing sector.

29. The extrapolated HCFC consumption data for 2009-2012 and the reductions in consumption established by the Parties under decision XIX/6 for the years 2013, 2015, 2020 and 2025 for each the four groups is presented below¹⁹ (Table 7 of Annex III lists HCFC consumption by each Article 5 Party).

Group	HCFC consumption (ODP tonnes)							
	2009	2010	2011	2012	2013	2015	2020	2025
Group I	1,230	1,329	1,409	1,493	1,279	1,151	831	416
Group II	447	483	512	543	465	419	303	151
Group III	11,695	12,630	13,388	14,191	12,163	10,946	7,906	3,953
Group IV	18,624	21,127	22,394	23,738	19,875	17,888	12,919	6,460
Total	31,996	35,569	37,703	39,965	33,782	30,404	21,959	10,980

30. In accordance with the definition of the starting point for aggregate reduction in HCFC consumption, the level of HCFC consumption to be funded through the Multilateral Fund could be in the order 34,000 ODP tonnes. The actual amount would be known when all Article 5 countries had selected their starting point.

Reductions in HCFC consumption

31. Taking into consideration the project implementation time lag and the following assumptions, HCFC consumption reduction levels are shown in the table below (Table 7A of Annex III presents the proposed reductions levels of HCFC consumption by each Article 5 Party):

- (a) For meeting the 2013 HCFC compliance target, 3,922 ODP tonnes would need to be phased out from the 2011 HCFC consumption forecast of 37,703 ODP tonnes;
- (b) HCFC consumption reduction levels to meet the 2015 compliance level (i.e., from 33,782 ODP tonnes in 2013 to 30,404 ODP tonnes in 2015) need to be realized in 2013 and 2014 (i.e., 50 per cent reduction each year);

¹⁹ The extrapolation of the TEAP Replenishment Task Force was based on 2000 to 2006 reported HCFC consumption, while the extrapolated consumption in this report is based on 2000 to 2008 reported HCFC consumption. HCFC consumption level calculated by the Task Force in 2007 was 24,805 ODP ton compared to 29,519 ODP ton reported under Article 7 (i.e., a difference of 5,014 ODP ton). The difference for 2008 is expected to be about 1,000 ODP ton (this will be known once all Article 5 countries report their 2008 consumption under Article 7 of the Protocol).

- (c) HCFC consumption reduction levels to meet the 2020 compliance level (i.e., from 30,404 ODP tonnes in 2015 to 21,959 ODP tonnes in 2020) need to be realized between 2015 and 2019 (i.e., 20 per cent reduction each year).

Group	HCFC consumption reduction levels (ODP tonnes)							
	2012	2013	2014	2015	2016	2017	2018	2019
Group I	130	64	64	64	64	64	64	64
Group II	47	23	23	23	23	23	23	23
Group III	1,226	608	608	608	608	608	608	608
Group IV	2,519	994	994	994	994	994	994	994
Total	3,922	1,689	1,689	1,689	1,689	1,689	1,689	1,689

32. For meeting the HCFC compliance targets of 2013 (freeze) and 2015 (10 per cent reduction), nearly 7,300 ODP tonnes would need to be phased out from the 2011 HCFC consumption forecast of 37,703 ODP tonnes. If this were to be the case, the remaining HCFC consumption eligible for funding would be 26,700 ODP tonnes (considering a starting point for aggregate reduction in HCFC consumption in all Article 5 countries of 34,000 ODP tonnes).

HCFC production

33. HCFCs are produced in six Article 5 countries²⁰ (Argentina, China, the Democratic People's Republic of Korea, India, Mexico, and Venezuela (Bolivarian Republic of)), with the following production levels over the 2006-2009 period.

Country	Production of HCFCs (ODP tonnes)			
	2006	2007	2008	2009
Argentina	11.2	45.0	157.1	215.3
China	24,265.2	27,482.4	24,985.0	28,475.9
Democratic People's Republic of Korea			21.7	27.7
India	1,589.0	2,211.7	2,258.2	2,562.1
Mexico	687.8	778.3	771.2	699.9
Venezuela (Bolivarian Republic of)	55.2	63.9	76.5	126.9
Total	26,608.4	30,581.3	28,269.7	32,107.8

34. The Executive Committee is currently considering policy issues related to phase-out in the production sector, including the funding eligibility of several HCFC-22 production facilities in some countries, and modalities for reducing levels of consumption according to the phase-out schedule agreed by the Parties at their 19th Meeting. An analysis of the HCFC production sector will be presented once these issues have been addressed by the Executive Committee.²¹

Level of funding agreed in principle

35. For the remainder of 2010 and in the 2011-2013 triennium, the total level of funding approved in principle and other funding commitments (i.e., Fund Secretariat and Executive Committee meetings, institutional strengthening projects, UNEP's CAP and core units of the implementing agencies), amounts to US \$134,819,990.

²⁰ HCFCs are also produced in Republic of Korea (the): 372.5 ODP ton and 363.6 ODP ton of HCFCs were produced in 2007 and 2008 respectively

²¹ If funding for the reduction in HCFC production is based on compensation of plant closure, as was done for CFC and halons, it is likely that funding would be needed only in 2012 or 2013.

Funding level of projects submitted to the 62nd Meeting

36. The total value of new multi-year projects (including national/sectoral phase-out plans in the production and consumption sectors, HCFC phase out activities submitted in the context of HPMPs or as stand-alone HCFC sectoral phase-out plans and investment projects, and ODS destruction projects) as submitted to the 62nd Meeting, is nearly US \$681 million²² (prior to determination of the eligibility of their incremental costs). However, the exact amounts and the funding implications for the 2011-2013 triennium will be known only at the close of the 62nd Meeting of the Executive Committee.

Conclusions

37. Phase-out plans addressing all eligible amounts of CFCs, halons CTC and TCA to enable compliance with the Protocol's phase-out reduction targets have been approved for all Article 5 countries, except for a few LVC countries where unfunded activities for CFC phase-out would be considered in the context of their HPMPs. To meet the 2015 10 per cent reduction target, an additional 185.9 ODP tonnes of MB would need to be addressed.

38. In addition to the amounts of ODS phase-out, excluding HCFCs, to be funded during the remainder of 2010 and in the 2011-2013 triennium the Executive Committee should be cognizant of the fact that:

- (a) Some 14,579.3 ODP tonnes of ODS consumption have yet to be phased out in approved multi-year sectoral and national phase-out plans during the remainder of 2010 and in the 2011-2013 triennium; and
- (b) 41 national ODS phase-out plans for non-LVC countries, 98 TPMPs for LVC countries²³, and 12 phase-out plans in the production sector in 7 non-LVC countries were currently being implemented.

39. Based on the HCFC consumption reported by Article 5 countries under the Montreal Protocol up to 2009, the baseline for compliance has been estimated at 33,800 ODP tonnes. For meeting the 2013 and 2015 HCFC compliance targets, nearly 7,300 ODP tonnes would need to be phased out from the consumption forecast of 37,703 ODP tonnes in 2011. On this basis, the remaining HCFC consumption eligible for funding would be 26,700 ODP tonnes.

Recommendations

40. The Executive Committee may wish to consider:

- (a) Adopting the 2011-2013 model three-year phase-out plan as a flexible guide for resource planning for the corresponding triennium;
- (b) Urging Article 5 countries with approved but not implemented projects, and the relevant implementing and bilateral agencies, to accelerate the pace of implementation during the 2011-2013 triennium;
- (c) Urging bilateral and implementing agencies to work with those countries that have been identified as being in need of immediate assistance to meet the 2013 and 2015 Montreal Protocol phase-out targets, and include activities in their 2011-2013 business plans as appropriate;

²² This amount includes funding tranches for up to 2014 for non-LVC countries and up to 2019 for LVC countries. A few LVC countries requested funding tranches after 2019.

²³ Including TPMPs for Armenia and Turkmenistan funded outside the Multilateral Fund.

- (d) Requesting the Secretariat to present an updated model three-year rolling phase-out plan for the years 2012-2014 to the last meeting in 2011 to provide guidance, as relevant, for the preparation of the 2012-2014 business plan of the Multilateral Fund;
- (e) Noting that:
 - (i) Some 14,579.3 ODP tonnes of ODS consumption have yet to be phased out in approved multi-year sectoral and national phase-out plans during the remainder of 2010 and in the 2011-2013 triennium; and
 - (ii) 41 national ODS phase-out plans for non-low-volume-consuming (non-LVC) countries, 98 terminal phase-out management plans for LVC countries, and 12 phase-out plans in the production sector in 7 non-LVC countries were currently being implemented.

Annex I

SUMMARY OF THE PROJECTS APPROVED AT THE 59TH, 60TH AND 61ST MEETINGS OF THE EXECUTIVE COMMITTEE

Sector/country	Project
Foam	
China	Conversion from HCFC-141b-based to HFC-245fa-based spray polyurethane foam at Harbin Tianshuo Building Materials Co. Ltd.
Colombia	Conversion plan from HCFCs to hydrocarbons in the production of polyurethane rigid insulation foam in the domestic refrigeration subsector (Mabe Colombia, Industrias Haceb, Challenger and Indusel S.A.)
Croatia	Phase-out of HCFC-141b from the manufacturing of polyurethane rigid and integral skin foams at Poly-Mix
Croatia	Phase-out of HCFC-141b from the manufacturing of polyurethane rigid foam at Pavusin
Dominican Republic	Conversion from HCFC-141b in the manufacture of polyurethane rigid insulation foam for commercial refrigerators
Mexico	Conversion from HCFC-141b in the manufacture of polyurethane rigid insulation foam for domestic refrigerators at Mabe Mexico
Pakistan	Phase-out of HCFC-141b from the manufacturing of insulation PU rigid foam at United Refrigeration, HNR (Haier), Varioline Intercool and Shadman Electronics companies
Pakistan	Phase-out of HCFC-141b from the manufacturing of insulation polyurethane rigid foam at Dawlance
Fumigant	
Chile	National phase-out of methyl bromide, terminal project (first tranche)
China	National phase-out of methyl bromide (phase II, fifth tranche)
Costa Rica	Total methyl bromide phase-out used as a fumigant in melons, cut flowers, bananas, tobacco seedbeds and nurseries, excluding QPS applications (tranche V)
Guatemala	National phase-out of methyl bromide (phase II, first tranche)
Honduras	National methyl bromide phase-out plan, phase II (fourth tranche)
Mexico	National methyl bromide phase-out plan (second tranche)
Mozambique	Technical assistance for the elimination of controlled uses of methyl bromide in soil fumigation
Turkmenistan	Technical assistance for the elimination of methyl bromide in post harvest sector
Viet Nam	National phase-out plan of out methyl bromide (second tranche)
Refrigeration	
Argentina	Phase-out of HCFC-22 in the room and unitary air-conditioning equipment manufacturing sector
China	Refrigeration servicing sector CFC phase-out plan (sixth tranche)
Jordan	Phase-out of HCFC-22 and HCFC-141b from the manufacture of unitary air-conditioning equipment at Petra Engineering Industries Co.
Production	
India	CFC production sector gradual phase-out: 2009 annual implementation plan
India	Accelerated CFC production phase-out (first tranche)
Solvent	
China	ODS phase-out in China solvent sector: 2010 annual programme
Phase-out plans	
Antigua and Barbuda	CFC phase-out management plan (second tranche)
Bahrain	Terminal phase-out management plan (second tranche)
Bangladesh	National ODS phase-out plan (fifth and sixth tranches)
Benin	Terminal phase-out management plan (second tranche)
Botswana	Terminal phase-out management plan (second tranche)
Brazil	National CFC phase-out plan (eighth tranche)
Cambodia	HCFC phase-out management plan (phase I, first tranche)

Sector/country	Project
Cape Verde	Terminal phase-out management plan for CFCs (second tranche)
Central African Republic	Terminal phase-out management plan (second tranche)
Chile	Servicing sector terminal CFC phase-out plan (second tranche)
Congo	Terminal phase-out management plan (second tranche)
Croatia	HCFC phase-out management plan (phase I, first tranche)
Cuba	National ODS phase-out plan for CFCs (2009 and 2010 plans)
Democratic Republic of the Congo (the)	National CFC phase-out plan (third tranche)
Djibouti	Terminal phase out management plan for CFCs (second tranche)
Dominica	Terminal CFC phase-out management plan (fourth tranche)
Egypt	National CFC phase-out plan (fourth and fifth tranches)
Ghana	HCFC phase-out management plan (phase I, first tranche)
Grenada	Terminal phase-out management plan (third tranche)
Guinea	Terminal phase-out management plan (second tranche)
Guinea-Bissau	Terminal phase-out management plan (second tranche)
Guyana	Terminal phase-out management plan (second tranche)
Honduras	Terminal phase-out management plan (second tranche)
Kyrgyzstan	Terminal CFC phase-out management plan (third tranche)
Lao People's Democratic Republic (the)	Terminal phase-out management plan (second tranche)
Malaysia	National CFC phase-out plan: 2009 annual programme
Maldives	HCFC phase-out management plan (first tranche)
Mozambique	Terminal phase-out management plan (second tranche)
Nicaragua	Terminal phase-out management plan (second tranche)
Nigeria	National CFC phase-out plan (seventh and eighth tranche)
Paraguay	Terminal phase-out management plan (fourth tranche)
Qatar	Terminal phase-out management plan (second tranche)
Saint Vincent and the Grenadines	Terminal phase out management plan for CFCs (fourth tranche)
Saudi Arabia	National phase-out plan (second tranche)
Serbia	National CFC phase-out plan (fourth and fifth tranches)
Seychelles	Terminal ODS phase-out management plan (third tranche)
Sierra Leone	Terminal phase-out management plan (second tranche)
Swaziland	Terminal phase-out management plan (second tranche)
Thailand	National CFC phase-out plan: 2010-2012 annual implementation plan
the former Yugoslav Republic of Macedonia	Terminal phase-out management plan for CFCs (fifth tranche)
the former Yugoslav Republic of Macedonia	HCFC phase-out management plan (phase I, first tranche)
Tunisia	National ODS phase-out plan (second tranche)
Uganda	Terminal phase-out management plan (second tranche)
Uruguay	Terminal phase-out management plan (third tranche)
Yemen	National ODS phase-out plan (second tranche)
Zimbabwe	National phase-out of Annex A (Group I) substances (fourth tranche)
Destruction	
Nepal	Destruction of confiscated ODS
HCFC demonstration	
Turkey	Validation of the use of HFO-1234ze as blowing agent in the manufacture of extruded polystyrene foam boardstock (phase I)
China	Demonstration sub-project for conversion from HCFC-22 to propane at Midea Room Air-conditioning Manufacturing Company
China	Demonstration sub-project for conversion of room air-conditioning compressor manufacturing from HCFC-22 to propane at Guangdong Meizhi Co.
China	Demonstration project for conversion from HCFC-22 technology to Ammonia/CO2 technology in the manufacture of two-stage refrigeration systems

Sector/country	Project
	for cold storage and freezing applications at Yantai Moon Group Co. Ltd.
China	Demonstration project for conversion from HCFC-22 technology to HFC-32 technology in the manufacture of commercial air-source chillers/heat pumps at Tsinghua Tong Fang Artificial Environment Co. Ltd.
China	Conversion of the foam part of Jiangsu Huaiyin Huihuang Solar Co. Ltd. from HCFC-141b to cyclopentane
China	Conversion demonstration from HCFC-141b-based to cyclopentane-based pre-blended polyol in the manufacture of rigid polyurethane foam at Guangdong Wanhua Rongwei Polyurethane Co. Ltd
Colombia	Demonstration project to validate the use of super-critical CO ₂ in the manufacture of sprayed polyurethane rigid foam

Annex II

ASSUMPTIONS USED FOR DEVELOPING THE 2010-2012 PHASE-OUT PLAN OF THE MULTILATERAL FUND

CFCs

1. For Annex A CFCs, countries were divided into two categories: large-volume-consuming Article 5 countries, or non-LVC countries, (countries with a compliance baseline for Annex A Group I substances greater than 360 ODP tonnes); and low-volume-consuming countries, or LVC countries.

CFCs for non-LVC countries

2. National phase-out plans addressing all eligible amounts of CFCs to enable compliance with the Protocol's CFC phase-out reduction targets have been approved for all non-LVC countries.

CFCs for LVC countries

3. In light of decision 60/11, activities that have not been funded to phase-out CFC consumption should be integrated into the relevant HPMPs of the countries concerned.

CFC production sector

4. Projects for the closure of all CFC production facilities have been approved.

Halon

5. No additional funding would be required to meet the 2010 phase-out limit.

Methyl bromide

6. Except for small MB consumption in two countries that have temporarily been exempted from achieving the 2005 MB phase-out limit (decision XV/12 of the 15th Meeting of the Parties), 285.9 ODP tonnes are proposed for phase out to meet the 2015 phase-out limit.

CTC

7. No additional funding would be required to meet the 2010 phase-out limit.

8. The model has not taken into consideration CTC consumption or production in the following countries:

- (a) CTC consumption in one country (Venezuela (Bolivarian Republic of)), with a CTC baseline of 1,107.2 ODP tonnes. Before 2000, CTC consumption in the country was relatively low, except for 1995 and 1999 when the reported consumption was 1,708 and 3,321 ODP tonnes, respectively. Since 2000, CTC consumption has been nil. Since the country is a CFC producer and has reported very low consumption of CTC, it would appear that the consumption reported in 1995 and 1999 could have been related with feedstock applications; and
- (b) CTC production in one country (Brazil with a baseline of 11,629.6 ODP tonnes) because no information is available on the level of controlled uses of CTC (e.g., feedstock), the eligibility for funding (e.g., foreign ownership of the production facilities).

TCA

9. No additional funding would be required to meet the 2010 phase-out limit.

10. The model has not taken into consideration TCA consumption or production in one country (Brazil with a TCA production baseline of 32.4). Since 2000, the TCA production reported by this country has been zero.

- - -

2011-2013 Phase-out Plan for the Multilateral Fund
Table 1. Analysis of CFC consumption in non-LVC countries (ODP tonnes)

Country	LatestCons	Baseline	50%Base	85%Base	CFCeligible	CFCapproved	CFCnet
(1)	(2)	(3)	(4)=(3)*0.50	(5)=(3)*0.15	(6)	(7)	(8)
Non-LVC countries with an approved terminal CFC phase out plan (Group I)							
Afghanistan	27.0	380.0	190.0	57.0	177.9	177.9	-
Algeria	110.9	2,119.5	1,059.8	317.9	1,052.6	1,052.6	-
Argentina	126.6	4,697.2	2,348.6	704.6	2,609.1	2,128.7	-
Bangladesh	127.6	581.6	290.8	87.2	664.4	260.5	-
Brazil	46.9	10,525.8	5,262.9	1,578.9	6,228.9	5,801.0	-
Chile	21.7	828.7	414.4	124.3	828.7	442.7	-
China	370.3	57,818.7	28,909.4	8,672.8	4,745.0	2,395.2	-
Colombia	110.6	2,208.2	1,104.1	331.2	1,456.9	973.3	-
Congo, DR	4.0	665.7	332.9	99.9	386.6	386.8	-
Cuba	-	625.1	312.6	93.8	585.7	482.4	-
Dominican Republic	28.3	539.8	269.9	81.0	350.8	329.1	-
Egypt	202.7	1,668.0	834.0	250.2	784.6	754.5	-
India	(659.9)	6,681.0	3,340.5	1,002.2	2,317.2	2,317.2	-
Indonesia	-	8,332.7	4,166.4	1,249.9	3,951.4	3,576.9	-
Iran	100.3	4,571.7	2,285.9	685.8	2,511.5	2,526.1	-
Iraq	482.1	1,517.0	758.5	227.6	1,597.0	1,597.0	-
Jordan	-	673.3	336.7	101.0	272.9	202.9	-
Korea, DPR	27.2	441.7	220.9	66.3	291.7	192.7	-
Lebanon	-	725.5	362.8	108.8	312.5	312.5	-
Libya	-	716.7	358.4	107.5	765.0	147.0	-
Macedonia, FYR	-	519.7	259.9	78.0	97.2	49.3	-
Malaysia	105.2	3,271.1	1,635.6	490.7	1,744.4	1,878.1	-
Mexico	(101.7)	4,624.9	2,312.5	693.7	3,059.5	1,964.2	-
Morocco	-	802.3	401.2	120.3	49.8	31.4	-
Nigeria	15.1	3,650.0	1,825.0	547.5	2,883.3	2,803.0	-
Pakistan	5.5	1,679.4	839.7	251.9	533.9	533.9	-
Panama	-	384.1	192.1	57.6	299.2	12.4	-
Philippines	208.7	3,055.8	1,527.9	458.4	2,527.4	1,771.8	-
Romania	-	829.7	414.9	124.5	145.8	145.8	-
Saudi Arabia	190.0	1,798.5	899.3	269.8	269.8	269.8	-
Serbia	19.2	849.2	424.6	127.4	640.1	449.3	-
Sri Lanka	-	445.6	222.8	66.8	348.1	366.1	-
Sudan	21.0	456.8	228.4	68.5	359.2	12.1	-
Syria	67.3	2,224.6	1,112.3	333.7	485.2	485.2	-
Thailand	141.1	6,082.1	3,041.1	912.3	3,396.5	3,094.6	-
Tunisia	16.6	870.1	435.1	130.5	177.8	177.8	-
Turkey	-	3,805.7	1,902.9	570.9	1,939.3	977.0	-
Venezuela	(50.9)	3,322.4	1,661.2	498.4	2,235.9	1,226.1	-
Vietnam	8.0	500.0	250.0	75.0	242.1	281.5	-
Yemen	247.7	1,796.1	898.1	269.4	852.0	852.0	-
Zimbabwe	2.7	451.4	225.7	67.7	430.2	269.5	-
Total	2,021.8	147,737.4	73,868.7	22,160.6	54,607.0	43,707.9	-

Explanatory notes to the columns of the Table

- (1) Non-LVC countries with reported CFC consumption data
(2) Latest (2008 or 2009) CFC consumption reported to the Ozone Secretariat or from country programme reports
(3) CFC baseline as reported to the Ozone Secretariat
(4) Allowable CFC consumption in 2005 = (3) * 0.5
(5) Allowable CFC consumption in 2007 = (3) * 0.15
(6) Total amount of CFCs eligible for funding (as per Decision 35/57 Proviso B)
(7) CFC consumption to be phased out in projects approved at, and since the 35th Meeting of the Executive Committee
(8) Amount of CFCs to be phased out

2011-2013 Phase-out Plan for the Multilateral Fund
Table 2. Analysis of CFC consumption in LVC countries (ODP tonnes)

Country	LatestCons	Baseline	50%Base	85%Base	odp2010
(1)	(2)	(3)	(4)=(3)*0.50	(5)=(3)*0.15	(6)
LVC countries with no RMP (Group I)					
Somalia	5.6	241.4	120.7	36.2	36.2
Timor Leste	0.4	36.0	18.0	5.4	
Subtotal	6.0	277.4	138.7	41.6	36.2
LVC countries with RMP/RMP update approved in accordance to decision 31/48 (Group II)					
Angola	9.7	114.8	57.4	17.2	17.2
Barbados	-	21.5	10.8	3.2	3.2
Ethiopia	4.3	33.8	16.9	5.1	5.1
Subtotal	14.0	170.1	85.1	25.5	25.5
Total	20.0	447.5	223.7	67.1	61.7
Explanatory notes to the columns of the Table					
(1) LVC countries					
(2) Latest (2008 or 2009) CFC consumption reported to the Ozone Secretariat or from country programme reports					
(3) CFC baseline as reported to the Ozone Secretariat					
(4) Allowable CFC consumption in 2005 = (3) *0.5					
(5) Allowable CFC consumption in 2007 = (3) * 0.15					
(6) Amount of CFCs to be phased out (based on the 15% CFC baseline)					

2011-2013 Phase-out Plan for the Multilateral Fund
Table 2 (cont.). Analysis of CFC consumption in LVC countries (ODP tonnes)

Country	LatestCons	Baseline	50%Base	85%Base	odp2010
(1)	(2)	(3)	(4)=(3)*0.50	(5)=(3)*0.15	(6)
LVC countries with total CFC phase-out plans (Group III)					
Albania	-	40.8	20.4	6.1	-
Antigua and Barbuda	-	10.7	5.4	1.6	-
Armenia(*)	18.1	196.5	98.3	29.5	-
Bahamas	-	64.9	32.5	9.7	-
Bahrain	10.3	135.4	67.7	20.3	-
Belize	-	24.4	12.2	3.7	-
Benin	3.5	59.9	30.0	9.0	-
Bhutan	-	0.2	0.1	0.0	-
Bolivia	2.6	75.7	37.9	11.4	-
Bosnia and Herzegovina	-	24.2	12.1	3.6	-
Botswana	0.3	6.9	3.5	1.0	-
Brunei Darussalam	0.5	78.2	39.1	11.7	-
Burkina Faso	-	36.3	18.2	5.4	-
Burundi	0.4	59.0	29.5	8.9	-
Cambodia	-	94.2	47.1	14.1	-
Cameroon	(1.5)	256.9	128.5	38.5	-
Cape Verde	-	2.3	1.2	0.3	-
Central African Republic	-	11.2	5.6	1.7	-
Chad	0.9	34.6	17.3	5.2	-
Comoros	-	2.5	1.3	0.4	-
Congo	1.4	11.9	6.0	1.8	-
Cook Islands	-	1.7	0.9	0.3	-
Costa Rica	6.7	250.2	125.1	37.5	-
Cote D'Ivoire	12.0	294.2	147.1	44.1	-
Croatia	-	219.3	109.7	32.9	-
Djibouti	0.6	21.0	10.5	3.2	-
Dominica	-	1.5	0.8	0.2	-
Ecuador	10.4	301.4	150.7	45.2	-
El Salvador	-	306.5	153.3	46.0	-
Equatorial Guinea	0.0	31.5	15.8	4.7	-
Eritrea	2.8	41.1	20.6	6.2	-
Fiji	-	33.4	16.7	5.0	-
Gabon	-	10.3	5.2	1.5	-
Gambia	0.4	23.8	11.9	3.6	-
Georgia	-	22.5	11.3	3.4	-
Ghana	3.4	35.8	17.9	5.4	-
Grenada	-	6.0	3.0	0.9	-
Guatemala	-	224.6	112.3	33.7	-
Guinea	1.6	42.4	21.2	6.4	-
Guinea-Bissau	3.9	26.3	13.2	3.9	-
Guyana	-	53.2	26.6	8.0	-
Haiti	-	169.0	84.5	25.4	-
Honduras	-	331.6	165.8	49.7	-
Jamaica	-	93.2	46.6	14.0	-
Kenya	-	239.5	119.8	35.9	-
Kiribati	-	0.7	0.4	0.1	-
Kuwait	28.0	480.4	240.2	72.1	-
Kyrgyzstan	2.7	72.8	36.4	10.9	-
Lao, PDR	0.9	43.3	21.7	6.5	-
Lesotho	-	5.1	2.6	0.8	-
Liberia	0.6	56.1	28.1	8.4	-
Madagascar	-	47.9	24.0	7.2	-
Malawi	-	57.7	28.9	8.7	-
Maldives	-	4.6	2.3	0.7	-

2011-2013 Phase-out Plan for the Multilateral Fund
Table 2 (cont.). Analysis of CFC consumption in LVC countries (ODP tonnes)

Country	LatestCons	Baseline	50%Base	85%Base	odp2010
(1)	(2)	(3)	(4)=(3)*0.50	(5)=(3)*0.15	(6)
Mali	-	108.1	54.1	16.2	-
Marshall Islands	-	1.1	0.6	0.2	-
Mauritania	-	15.7	7.9	2.4	-
Mauritius	-	29.1	14.6	4.4	-
Micronesia	-	1.2	0.6	0.2	-
Moldova	-	73.3	36.7	11.0	-
Mongolia	0.7	10.6	5.3	1.6	-
Montenegro	-	104.9	52.5	15.7	-
Mozambique	2.3	18.2	9.1	2.7	-
Myanmar	-	54.3	27.2	8.1	-
Namibia	-	21.9	11.0	3.3	-
Nauru	-	0.5	0.3	0.1	-
Nepal	-	27.0	13.5	4.1	-
Nicaragua	2.6	82.8	41.4	12.4	-
Niger	1.7	32.0	16.0	4.8	-
Niue	-	0.1	0.1	0.0	-
Oman	1.4	248.4	124.2	37.3	-
Palau	-	1.6	0.8	0.2	-
Papua New Guinea	-	36.3	18.2	5.4	-
Paraguay	10.8	210.6	105.3	31.6	-
Peru	-	289.5	144.8	43.4	-
Qatar	5.1	101.4	50.7	15.2	-
Rwanda	-	30.4	15.2	4.6	-
Saint Kitts and Nevis	-	3.7	1.9	0.6	-
Saint Lucia	-	8.3	4.2	1.2	-
Saint Vincent/Grenadines	-	1.8	0.9	0.3	-
Samoa	-	4.5	2.3	0.7	-
Sao Tome and Principe	0.2	4.7	2.4	0.7	-
Senegal	5.0	155.8	77.9	23.4	-
Seychelles	-	2.9	1.5	0.4	-
Sierra Leone	6.1	78.6	39.3	11.8	-
Solomon Islands	-	2.1	1.1	0.3	-
Suriname	-	41.3	20.7	6.2	-
Swaziland	-	24.6	12.3	3.7	-
Tanzania	10.3	253.9	127.0	38.1	-
Togo	1.0	39.8	19.9	6.0	-
Tonga	-	1.3	0.7	0.2	-
Trinidad and Tobago	-	120.0	60.0	18.0	-
Turkmenistan(*)	3.3	37.3	18.7	5.6	-
Tuvalu	-	0.3	0.2	0.0	-
Uganda	-	12.8	6.4	1.9	-
Uruguay	6.4	199.1	99.6	29.9	-
Vanuatu	-	-	-	-	-
Zambia	-	27.4	13.7	4.1	-
Total	167.3	7,294.5	3,647.3	1,094.2	-

Explanatory notes to the columns of the Table

(1) LVC countries

(2) Latest (2008 or 2009) CFC consumption reported to the Ozone Secretariat or from country programme reports

(3) CFC baseline as reported to the Ozone Secretariat

(4) Allowable CFC consumption in 2005 = (3) *0.5

(5) Allowable CFC consumption in 2007 = (3) * 0.15

(6) Amount of CFCs to be phased out (based on the CFC baseline)

(*) Phase-out plan funded through the GEF when the country was a non-Article 5 Party

2011-2013 Phase-out Plan for the Multilateral Fund
Table 3. Analysis of halon consumption (ODP tonnes)

Country	Baseline	2007Cons	2008Cons	2009Cons	50%Base	odp2010
(1)	(2)	(3)	(4)	(5)	(6)=(2)*0.5	(7)
Countries with a halon baseline and no current consumption (Group I)						
Afghanistan	1.9	-	-	-	1.0	
Antigua and Barbuda	0.3	-	-	-	0.2	
Bhutan	0.3	-	-	-	0.2	
Ecuador	5.5	-	-	-	2.8	
El Salvador	0.7	-	-	-	0.4	
Guatemala	0.2	-	-	-	0.1	
Kuwait	3.0	-	-	-	1.5	
Liberia	19.5	-	-	-	9.8	
Moldova	0.4	-	-	-	0.2	
Morocco	7.0	-	-	-	3.5	
Mozambique	0.9	-	-	-	0.5	
Nepal	2.0	-	-	-	1.0	
Somalia	17.7	13.2	-	-	8.9	-
Sudan	2.0	-	-	-	1.0	
Timor Leste	1.5	-	-	-	0.8	
Total	62.9	13.2	-	-	31.5	-

Explanatory notes to the columns of the Table

- (1) Article 5 countries with reported halon consumption baseline
(2) Halon baseline as reported to the Ozone Secretariat
(3-5) Halon consumption reported to the Ozone Secretariat or from country programme reports
(6) Allowable halon consumption in 2005 = (3) *0.5
(7) Amount of halon to be phased out to achieve the 2010 control level (based on the latest reported consumption)

2011-2013 Phase-out Plan for the Multilateral Fund
Table 3 (cont.). Analysis of halon consumption (ODP tonnes)

Country	Baseline	2007Cons	2008Cons	2009Cons	50%Base	odp2010
(1)	(2)	(3)	(4)	(5)	(6)=(2)*0.5	(7)
Countries with approved halon banking and/or halon phase-out project (Group II)						
Algeria	237.3	67.0	67.0	-	118.7	
Argentina	167.8	0.3	-	-	83.9	
Bahamas	-	-	-	-	-	
Bahrain	38.9	-	-	-	19.5	
Barbados	-	-	-	-	-	
Benin	3.9	-	-	-	2.0	
Bosnia and Herzegovina	4.1	-	-	-	2.1	
Botswana	5.2	0.6	0.6	-	2.6	
Brazil	21.3	1.6	-	-	10.7	
Burkina Faso	5.3	-	-	-	2.7	
Cameroon	2.4	1.0	1.0	-	1.2	
Chile	8.5	-	-	-	4.3	
China	34,186.7	594.5	977.3	985.9	17,093.4	
Colombia	187.7	-	-	-	93.9	
Congo	5.0	-	-	-	2.5	
Congo, DR	218.7	2.6	-	-	109.4	
Croatia	30.1	-	-	-	15.1	
Dominican Republic	4.2	-	-	-	2.1	
Egypt	705.0	-	-	-	352.5	
Equatorial Guinea	28.3	1.0	-	-	14.2	
Eritrea	2.3	-	-	-	1.2	
Ethiopia	1.1	-	-	-	0.6	
Georgia	42.5	-	-	-	21.3	
Grenada	-	-	-	-	-	
Guinea	8.6	-	-	-	4.3	
Guyana	0.1	-	-	-	0.1	
Haiti	1.5	-	-	-	0.8	
India	1,249.4	-	-	-	624.7	
Indonesia	354.0	-	-	-	177.0	
Iran	1,420.0	-	-	-	710.0	
Iraq	70.4	29.0	39.1	-	35.2	
Jamaica	1.0	-	-	-	0.5	
Jordan	210.0	-	-	-	105.0	
Kenya	5.3	-	-	-	2.7	
Kyrgyzstan	-	-	-	-	-	
Lebanon	-	-	-	-	-	
Lesotho	0.2	-	-	-	0.1	
Libya	633.1	291.5	-	-	316.6	
Macedonia, FYR	32.1	-	-	-	16.1	
Malaysia	8.0	-	-	-	4.0	
Mexico	124.6	-	-	-	62.3	
Montenegro	2.3	-	-	-	1.2	
Namibia	8.3	-	-	-	4.2	
Nigeria	285.3	-	-	-	142.7	
Oman	13.7	-	-	-	6.9	
Pakistan	14.2	-	-	-	7.1	
Philippines	103.9	-	-	-	52.0	
Qatar	10.7	-	-	-	5.4	
Romania	-	-	-	-	-	
Saudi Arabia	1,064.0	-	50.0	50.0	532.0	
Serbia	3.8	-	1.8	-	1.9	
Sierra Leone	16.0	-	-	-	8.0	
Sri Lanka	-	-	-	-	-	
Syria	416.9	-	-	-	208.5	
Tanzania	0.3	-	-	-	0.2	
Thailand	271.7	-	-	-	135.9	
Trinidad and Tobago	46.6	-	-	-	23.3	
Tunisia	104.3	-	-	-	52.2	
Turkey	141.0	14.3	-	-	70.5	
Vietnam	37.1	-	-	-	18.6	
Yemen	140.0	0.7	0.6	-	70.0	
Zimbabwe	1.5	-	-	-	0.8	
Total	42,706.2	1,004.1	1,137.4	1,035.9	21,353.1	-

Explanatory notes to the columns of the Table

- (1) Article 5 countries with reported halon consumption baseline
(2) Halon baseline as reported to the Ozone Secretariat
(3-5) Halon consumption reported to the Ozone Secretariat or from country programme reports
(6) Allowable halon consumption in 2005 = (3) *0.5
(7) Amount of halon to be phased out to achieve the 2010 control level

2011-2013 Phase-out Plan for the Multilateral Fund
Table 4. Analysis of MB consumption (ODP tonnes)

Country	LatestCons	Baseline	20%Base	odp2010
(1)	(2)	(3)	(4)=(3)*0.80	(5)
Countries that have not received assistance to phase-out MB (Group I)				
Bahamas	-	0.2	0.2	0.0
Barbados	-	0.1	0.1	0.0
Ethiopia	-	15.6	12.5	3.1
Guyana	-	1.4	1.1	0.3
Iraq	3.5	4.6	3.7	0.9
Mozambique	0.4	3.4	2.7	0.7
Tunisia (*)	6.6	8.3	6.6	1.7
Vanuatu	-	0.2	0.2	0.0
Total	10.5	33.8	27.0	6.8
Explanatory notes to the columns of the Table				
(1) Article 5 countries				
(2) Latest (2008 or 2009) MB consumption reported to the Ozone Secretariat or from country programme reports				
(3) MB baseline as reported to the Ozone Secretariat				
(4) Allowable MB consumption in 2005 = (3) *0.8				
(5) Amount of MB to be phased out annually (based on the MB baseline)				
(*) Decision XV/12				

2011-2013 Phase-out Plan for the Multilateral Fund
Table 4 (cont.). Analysis of MB consumption (ODP tonnes)

Country	LatestCons	Baseline	20%Base	RemUnfunded	odp2010
(1)	(2)	(3)	(4)=(3)*0.80	(5)	(6)
Countries with approved projects and remaining unfunded MB consumption(Group II)					
Algeria	1.8	4.7	3.8	2.0	
Argentina	262.9	411.3	329.0	18.0	
Congo	-	0.9	0.7	0.7	
Congo, DR	-	1.5	1.2	1.1	
Ecuador	51.0	66.2	53.0	14.1	
Kenya	3.6	217.5	174.0	14.0	
Nigeria	-	2.9	2.3	2.2	
Sudan	1.8	3.0	2.4	2.4	
Swaziland	-	0.6	0.5	0.5	
Turkey	-	479.7	383.8	20.4	
Subtotal	321.1	1,188.3	950.6	75.4	
Countries with approved projects for complete phase out of MB (Group III)					
Bolivia	-	0.6	0.5		
Bosnia and Herzegovina	-	3.5	2.8		
Botswana	-	0.2	0.2		
Brazil	(3.0)	711.6	569.3		
Cambodia	-	-	-		
Cameroon	-	18.1	14.5		
Chile	149.6	212.5	170.0		
China (*)	261.0	1,102.1	881.7	100.0	
Colombia	-	110.1	88.1		
Costa Rica	190.6	342.5	274.0		
Cote D'Ivoire	-	8.1	6.5		
Croatia	-	15.7	12.6		
Cuba	-	50.5	40.4		
Dominican Republic	-	104.2	83.4		
Egypt	190.2	238.1	190.5		
El Salvador	(15.5)	-	-		
Fiji	-	0.7	0.6		
Georgia	-	13.7	11.0		
Guatemala	239.9	400.7	320.6		
Honduras	136.1	259.4	207.5		
Indonesia	-	40.7	32.6		
Iran	2.4	26.7	21.4		
Jamaica	1.3	4.9	3.9		
Jordan	26.4	176.3	141.0		
Korea, DPR	-	30.0	24.0		
Kyrgyzstan	0.6	14.2	11.4		
Lebanon	-	236.4	189.1		
Libya	30.0	94.1	75.3		
Macedonia, FYR	-	12.2	9.8		
Madagascar	-	2.6	2.1		
Malawi	-	112.8	90.2		
Malaysia	3.4	14.6	11.7		
Mauritius	-	0.1	0.1		
Mexico	745.4	1,130.8	904.6		
Moldova	-	7.0	5.6		
Morocco	108.4	697.2	557.8		

2011-2013 Phase-out Plan for the Multilateral Fund
Table 4 (cont.). Analysis of MB consumption (ODP tonnes)

Country	LatestCons	Baseline	20%Base	RemUnfunded	odp2010
(1)	(2)	(3)	(4)=(3)*0.80	(5)	(6)
Nicaragua	-	0.4	0.3		
Oman	-	1.0	0.8		
Pakistan	-	14.0	11.2		
Papua New Guinea	-	0.3	0.2		
Paraguay	-	0.9	0.7		
Peru	-	1.3	1.0		
Philippines	-	10.3	8.2		
Romania	-	-	-		
Saint Kitts and Nevis	-	0.3	0.2		
Saudi Arabia	45.0	204.1	163.3		
Senegal	-	53.2	42.6		
Sierra Leone	-	2.6	2.1		
Sri Lanka	-	4.1	3.3		
Syria	-	188.6	150.9		
Thailand	44.3	183.0	146.4		
Trinidad and Tobago	0.5	1.7	1.4		
Turkmenistan	2.9	3.6	2.9		
Uganda	-	6.3	5.0		
Uruguay	8.4	11.2	9.0		
Venezuela	-	10.3	8.2		
Vietnam	73.8	136.5	109.2		
Yemen	29.8	54.5	43.6		
Zambia	3.2	29.4	23.5		
Zimbabwe	21.6	557.0	445.6		
Subtotal	2,296.4	7,667.5	6,134.0	100.0	-
Total	2,617.5	8,855.8	7,084.6	175.4	-

Explanatory notes to the columns of the Table

- (1) Article 5 countries
- (2) Latest (2008 or 2009) MB consumption reported to the Ozone Secretariat or from country programme reports
- (3) MB baseline as reported to the Ozone Secretariat
- (4) Allowable MB consumption in 2005 = (3) *0.8
- (5) Remaining MB consumption eligible for funding
- (6) Amount of MB to be phased out annually (based on the remaining consumption eligible for funding)
- (*) Possible additional funding for 100 ODP tonnes of MB used as a soil fumigant in ginseng crop

2011-2013 Phase-out Plan for the Multilateral Fund
Table 4 (cont.). Analysis of MB consumption (ODP tonnes)

Country	LatestCons	Baseline	20%base	odp2010
(1)	(2)	(3)	(4)=(3)*0.80	(5)
Countries with MB baseline equal to zero, or no calculated baseline or with no current consumption (Group IV)				
Afghanistan	-	-		
Albania	-	-		
Antigua and Barbuda	-	-		
Armenia(*)	-	-		
Bahrain	-	-		
Bangladesh	-	-		
Belize	-	-		
Benin	-	-		
Bhutan	-	-		
Brunei Darussalam	-	-		
Burkina Faso	-	-		
Burundi	-	-		
Cape Verde	-	-		
Central African Republic	-	-		
Chad	-	-		
Comoros	-	-		
Cook Islands	-	-		
Djibouti	-	-		
Dominica	-	-		
Equatorial Guinea	-	-		
Eritrea	-	0.5	0.4	
Gabon	-	-		
Gambia	-	-		
Ghana	-	-		
Grenada	-	-		
Guinea-Bissau	-	-		
Haiti	-	-		
India	-	-		
Kiribati	-	-		
Kuwait	-	-		
Lao, PDR	-	-		
Lesotho	-	0.1	0.1	
Liberia	-	-		
Maldives	-	-		
Mali	-	-		
Marshall Islands	-	-		
Mauritania	-	-		
Micronesia	-	-		
Mongolia	-	-		
Montenegro	-	-		
Myanmar	-	3.4	2.7	
Namibia	-	0.8	0.6	
Nauru	-	-		
Niger	-	-		
Niue	-	-		
Palau	-	-		
Panama	-	-		
Qatar	-	-		

2011-2013 Phase-out Plan for the Multilateral Fund
Table 4 (cont.). Analysis of MB consumption (ODP tonnes)

Country	LatestCons	Baseline	20%base	odp2010
(1)	(2)	(3)	(4)=(3)*0.80	(5)
Rwanda	-	-		
Saint Lucia	-	-		
Saint Vincent and the Grenadines	-	-		
Samoa	-	-		
Sao Tome and Principe	-	-		
Serbia	-	8.3	6.6	
Seychelles	-	-		
Solomon Islands	-	-		
Somalia	-	0.5	0.4	
Suriname	-	-		
Tanzania	-	-		
Timor Leste	-	0.2	0.2	
Togo	-	-		
Tonga	-	0.2	0.2	
Tuvalu	-	-		
Vanuatu	-	0.2		
Countries that are not yet Parties to the Copenhagen Amendment (Group V)				
Angola	-			
Guinea	-			
Nepal	-	-		
Explanatory notes to the columns of the Table				
(1) Article 5 countries				
(2) Latest (2008 or 2009) MB consumption reported to the Ozone Secretariat or from country programme reports (when Article 7 data is not available)				
(3) MB baseline as reported to the Ozone Secretariat				
(4) Allowable MB consumption in 2005 = (3) *0.8				
(5) Amount of MB to be phased out annually (based on the MB baseline)				
(*) At its 47th Meeting, the Committee decided that support for achieving compliance should be provided under UNEP CAP				

2011-2013 Phase-out Plan for the Multilateral Fund
Table 5. Analysis of CTC consumption (ODP tonnes)

Country	Baseline	2007Cons	2008Cons	2009Cons	85%Base	odp2010
(1)	(2)	(3)	(4)	(5)	(6)=(2)*0.15	(7)
Countries with a CTC baseline and have not received assistance (Group I)						
Bahamas	-	-	-	-	-	-
Dominican Republic	29.0	-	-	-	4.4	-
Ecuador	0.5	-	0.1	0.1	0.1	0.1
Guatemala	10.6	-	-	-	1.6	-
Liberia	0.2	-	-	-	0.0	-
Macedonia, FYR	0.1	-	-	-	0.0	-
Peru	1.0	-	-	-	0.2	-
Subtotal	41.4	-	0.1	0.1	6.2	0.1
Countries with an approved CTC phase out plan/project (Group II)						
Afghanistan	0.9	-	-	-	-	-
Albania	3.1	-	-	-	-	-
Algeria	20.9	2.0	2.0	-	-	-
Argentina	187.2	13.0	(52.8)	(330.7)	-	-
Bahrain	0.8	-	-	-	-	-
Bangladesh	5.7	0.1	0.1	0.1	-	-
Bolivia	0.3	0.2	-	-	-	-
Brazil	411.6	50.3	-	-	-	-
Cambodia	-	-	-	-	-	-
Chile	0.6	0.7	-	-	-	-
China	49,142.1	265.1	219.2	86.8	-	-
Colombia	6.1	0.6	0.6	0.6	-	-
Congo	0.6	-	-	-	-	-
Congo, DR	15.3	2.2	-	-	-	-
Croatia	3.9	(0.5)	0.2	0.4	-	-
Cuba	2.7	0.8	-	-	-	-
Egypt	38.5	-	-	-	-	-
Ethiopia	-	-	-	-	-	-
Ghana	0.4	-	-	-	-	-
India	11,505.3	707.3	680.5	38.2	-	-
Indonesia	-	1.1	-	-	-	-
Iran	77.0	-	-	-	-	-
Iraq	21.4	6.0	4.6	-	-	-
Jamaica	2.8	-	-	-	-	-
Jordan	40.3	0.7	0.4	0.4	-	-
Kenya	65.9	0.1	0.1	-	-	-
Korea, DPR	1,285.2	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Madagascar	-	-	-	-	-	-
Malaysia	4.5	-	-	-	-	-
Mexico	62.5	79.1	88.0	-	-	-
Montenegro	1.1	-	-	-	-	-
Morocco	1.1	-	-	-	-	-
Nepal	0.9	0.1	0.1	0.1	-	-
Nigeria	152.8	-	-	-	-	-
Oman	0.1	-	-	-	-	-
Pakistan	412.9	-	-	-	-	-
Paraguay	0.6	0.1	-	-	-	-
Romania	2,264.5	-	-	-	-	-
Saint Vincent/Grenadines	-	-	-	-	-	-
Saudi Arabia	259.2	5.5	2.2	1.9	-	-
Serbia	18.8	1.1	2.1	1.5	-	-
Sierra Leone	2.6	0.1	0.2	0.1	-	-
Sri Lanka	35.1	-	-	-	-	-
Sudan	2.2	-	-	-	-	-
Tanzania	0.1	-	-	-	-	-
Thailand	7.5	-	-	-	-	-
Tunisia	2.9	-	-	-	-	-
Turkey	105.1	-	-	-	-	-
Uganda	0.4	-	-	-	-	-
Uruguay	0.4	-	-	-	-	-
Venezuela(*)	1,107.2	-	-	-	-	-
Vietnam	1.6	-	-	-	-	-
Zambia	0.7	-	-	-	-	-
Zimbabwe	11.6	-	-	-	-	-
Subtotal	67,295.0	1,135.7	947.5	(200.6)	-	-
Total	67,336.4	1,135.7	947.6	(200.5)	6.2	0.1

Explanatory notes to the columns of the Table

- (1) Article 5 countries with reported CTC consumption data
(2) CTC baseline as reported to the Ozone Secretariat or from country programme reports
(3-5) CTC consumption reported to the Ozone Secretariat
(6) Total amount of CTC to be phased out to achieve the 2005 control level (based on the CTC baseline) = (3) *0.15
(7) Amount of CTC to be phased out annually (based on the latest reported consumption)
(*) The CTC baseline of Venezuela is 1,107.2 ODP tonnes. It appears that consumption reported in baseline year was for feedstock

2011-2013 Phase-out Plan for the Multilateral Fund
Table 6. Analysis of TCA consumption (ODP tonnes)

Country	Baseline	2007Cons	2008Cons	2009Cons	30%Base	odp2010
(1)	(2)	(3)	(4)	(5)	(6)=(2)*0.7	(7)
Countries with a TCA baseline and have not received assistance (Group I)						
Brazil	32.4	-	-	-	22.7	-
Colombia	0.6	-	-	-	0.4	-
Dominican Republic	3.6	-	-	-	2.5	-
Ecuador	2.0	-	-	-	1.4	-
Haiti	0.2	-	-	-	0.1	-
India	122.2	-	-	-	85.5	-
Korea, DPR	7.7	-	-	-	5.4	-
Mexico	56.4	0.1	-	-	39.5	-
Trinidad and Tobago	0.7	-	-	-	0.5	-
Subtotal	225.8	0.1	-	-	158.1	-
Countries with an approved TCA phase out plan/project (Group II)						
Albania	-	-	-	-	-	-
Algeria	5.8	4.0	3.0	1.3	-	-
Argentina	65.7	17.4	17.4	10.5	-	-
Bahrain	22.7	-	-	-	-	-
Bangladesh	0.9	0.5	0.5	0.5	-	-
Bosnia and Herzegovina	1.6	-	-	-	-	-
Burundi	0.1	-	-	-	-	-
Cambodia	0.5	0.3	-	-	-	-
Cameroon	8.2	-	-	-	-	-
Chile	6.4	3.5	-	-	-	-
China	721.2	251.1	168.3	83.6	-	-
Congo, DR	4.7	3.3	-	-	-	-
Egypt	26.0	-	-	-	-	-
Ethiopia	0.5	-	-	-	-	-
Indonesia	13.3	-	-	-	-	-
Iran	8.7	0.5	1.5	1.5	-	-
Iraq	-	-	-	-	-	-
Jamaica	1.4	-	-	-	-	-
Jordan	18.2	0.1	-	-	-	-
Kenya	1.1	0.1	0.1	-	0.8	0.8
Kuwait	-	-	-	-	-	-
Malaysia	49.5	5.8	5.8	1.9	-	-
Mauritius	0.1	-	-	-	-	-
Morocco	0.1	-	-	-	-	-
Nigeria	32.9	-	-	-	-	-
Pakistan	2.3	-	-	-	1.6	0.8
Saint Vincent/Grenadines	-	-	-	-	-	-
Saudi Arabia	29.8	0.2	0.1	-	-	-
Sri Lanka	3.0	-	-	0.1	-	-
Sudan	-	-	-	-	-	-
Thailand	54.6	-	-	-	-	-
Tunisia	0.1	-	-	-	-	-
Turkey	37.4	-	-	-	-	-
Venezuela	4.7	-	-	-	-	-
Vietnam	0.2	-	-	-	-	-
Yemen	0.9	-	-	-	-	-
Zambia	0.1	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-
Subtotal	1,122.7	286.8	196.7	99.3	2.4	1.6
Total	1,348.5	286.9	196.7	99.3	160.4	1.6

Explanatory notes to the columns of the Table

- (1) Article 5 countries with reported TCA consumption data
(2) TCA baseline as reported to the Ozone Secretariat or from country programme reports
(3-5) TCA consumption reported to the Ozone Secretariat
(6) Total amount of TCA to be phased out to achieve the 2010 control level based on the latest reported consumption
(7) Amount of TCA to be phased out annually

**2011-2013 Phase-out Plan for the Multilateral Fund
Table 7. HCFC consumption (ODP tonnes)**

Country (1)	2000 (2)	2001 (3)	2002 (4)	2003 (5)	2004 (6)	2005 (7)	2006 (8)	2007 (9)	2008 (10)	2009 (11)	2010 (12)	2011 (13)	2012 (14)	2013 (15)	2015 (16)	2020 (17)	2025 (18)
Group I																	
Afghanistan					3.2	4.1	4.8	6.1	7.9	22.2	24.0	25.4	26.9	23.1	20.8	15.0	7.5
Togo	3.5	3.2	0.0	4.0	3.7	3.1	2.6	4.9	6.2	20.5	22.1	23.5	24.9	21.3	19.2	13.9	6.9
Tonga	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trinidad and Tobago	7.0	10.3	28.2	11.5	19.7	33.7	69.7	45.4	56.4	38.0	41.0	43.5	46.1	39.5	35.6	25.7	12.8
Turkmenistan	2.6	4.4	0.4	1.0	0.8	3.8	5.6	2.7	8.6	6.9	7.5	7.9	8.4	7.2	6.5	4.7	2.3
Tuvalu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Uganda	1.5	1.6	1.7	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vanuatu	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.1	0.1	0.1	0.1	0.1			
Zambia	1.0	0.5	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.5	0.2
Zimbabwe	8.1	15.4	4.1	3.4	3.6	7.9	9.6	16.4	8.7	12.4	13.4	14.2	15.0	12.9	11.6	8.4	4.2
Subtotal	294.4	305.7	394.3	209.5	280.5	310.7	498.7	617.1	741.8	1,230.3	1,328.7	1,408.5	1,493.0	1,278.9	1,151.0	831.3	415.6
Algeria	6.6	6.6	6.6	6.6	6.6	6.6	6.6	12.1	13.2	30.2	32.6	34.6	36.6	31.4	28.3	20.4	10.2
Cuba	7.2	10.1	4.6	3.6	6.8	16.2	15.8	14.4	13.3	11.7	12.6	13.4	14.2	12.2	11.0	7.9	4.0
Guatemala	1.2	3.8	3.5	2.2	6.5	5.9	9.2	6.1	9.9	9.4	10.2	10.8	11.4	9.8	8.8	6.4	3.2
Kenya	22.2	23.1	24.2	25.7	26.9	33.5	42.5	48.5	57.8	54.7	59.1	62.6	66.4	56.9	51.2	37.0	18.5
Lebanon	15.2	17.1	21.8	20.1	19.0	18.6	21.3	19.8	24.4	47.6	51.4	54.5	57.7	49.5	44.5	32.2	16.1
Panama	11.1	12.3	9.4	16.2	17.8	20.5	21.1	15.1	28.7	25.0	26.9	28.6	30.3	25.9	23.4	16.9	8.4
Peru	8.7	0.0	7.0	12.7	14.9	21.7	12.3	43.4	28.0	27.3	29.5	31.3	33.1	28.4	25.6	18.5	9.2
Serbia	5.2	6.6	6.6	0.0	14.6	18.8	9.1	9.2	7.4	9.0	9.7	10.3	10.9	9.4	8.4	6.1	3.0
Sri Lanka	6.6	5.9	8.8	7.0	14.2	9.7	12.4	15.4	10.3	13.4	14.5	15.3	16.3	13.9	12.5	9.1	4.5
Tunisia	16.6	28.6	29.8	24.5	31.9	30.3	36.2	31.3	40.4	44.3	47.8	50.7	53.8	46.1	41.5	29.9	15.0
Uruguay	10.1	11.6	7.6	9.0	13.0	12.9	15.7	18.0	19.1	22.0	23.8	25.2	26.7	22.9	20.6	14.9	7.4
Yemen	40.1	47.0	50.1	53.5	62.7	69.5	102.7	122.4	152.9	152.9	165.1	175.0	185.5	159.0	143.1	103.4	51.7
Subtotal	150.8	172.7	180.0	181.1	234.9	264.2	304.9	355.7	405.4	483.2	512.2	542.9	465.3	418.8	302.5	151.2	
Argentina	53.1	98.9	44.6	147.5	160.1	203.1	248.7	342.5	356.9	326.1	352.2	373.4	395.8	339.2	305.3	220.5	110.2
Bangladesh	5.3	5.8	7.3	0.0	9.1	13.2	20.7	37.2	64.2	67.7	73.1	77.5	82.2	70.4	63.4	45.8	22.9
Bolivia	1.1	2.0	1.6	2.9	3.4	2.8	3.1	4.0	6.0	6.0	6.5	6.9	7.3	6.2	5.6	4.1	2.0
Bosnia and Herzegovina	0.9	0.9	0.2	0.1	0.1	10.1	4.0	5.5	7.6	6.0	6.5	6.9	7.3	6.2	5.6	4.1	2.0
Brazil	902.7	756.0	716.0	766.0	857.6	847.2	953.6	1,151.4	1,021.1	1,415.5	1,528.7	1,620.5	1,717.7	1,472.1	1,324.9	956.9	478.4
Cameroon	0.3	0.3	1.3	1.2	1.3	4.4	9.4	11.6	14.8	104.2	112.5	119.3	126.4	108.4	97.5	70.4	35.2
Chile	58.7	52.5	52.6	37.9	70.2	73.7	79.6	78.8	91.7	75.2	81.2	86.1	91.3	78.2	70.4	50.8	25.4
Colombia	0.0	97.7	89.9	109.2	124.6	152.1	160.5	206.2	206.2	209.7	226.5	240.1	254.5	218.1	196.3	141.8	70.9
Costa Rica	8.6	7.6	8.0	12.4	9.4	10.3	10.2	15.8	10.7	14.2	15.3	16.3	17.2	14.8	13.3	9.6	4.8
Croatia	6.4	13.1	4.6	2.0	7.7	10.4	-0.5	7.7	7.5	4.6	5.0	5.3	5.6	4.8	4.3	3.1	1.6
Egypt	151.8	121.5	120.1	111.5	155.0	173.5	256.0	433.2	352.4	396.6	428.3	454.0	481.3	412.5	371.2	268.1	134.1
El Salvador	8.6	4.3	6.5	7.7	5.5	19.5	20.4	16.7	25.4	11.9	12.8	13.6	14.4	12.3	11.1	8.0	4.0
Honduras	6.3	6.8	12.0	5.9	10.9	10.0	12.2	17.2	20.6	17.8	19.2	20.4	21.6	18.5	16.7	12.0	6.0
India	250.6	257.4	331.0	360.4	449.1	724.5	592.5	1,265.5	2,007.9	1,598.7	1,726.6	1,830.2	1,940.0	1,662.6	1,496.4	1,080.7	540.4
Indonesia	40.1	130.6	218.0	225.5	276.9	308.6	299.9	286.8	299.9	374.8	404.8	429.1	454.8	389.8	350.8	253.4	126.7
Iran	33.6	91.0	153.7	94.4	153.1	192.9	166.5	191.4	262.9	312.4	337.4	357.6	379.1	324.9	292.4	211.2	105.6
Jordan	23.3	31.4	28.9	27.8	18.2	28.4	46.6	55.7	59.0	70.9	76.6	81.2	86.0	73.7	66.4	47.9	24.0
Kuwait	175.2	164.5	166.7	203.2	252.8	221.2	286.3	359.9	375.5	398.1	429.9	455.7	483.1	414.0	372.6	269.1	134.6
Kyrgyzstan	0.2	0.2	0.2	0.5	0.7	0.7	0.8	1.6	7.4	4.4	4.8	5.0	5.3	4.6	4.1	3.0	1.5
Malaysia	330.9	320.6	339.1	324.8	333.7	360.0	383.7	413.7	383.5	494.0	533.5	565.5	599.5	513.8	462.4	333.9	167.0
Mexico	1,860.2	1,172.4	792.4	728.3	1,317.8	1,179.3	1,284.9	1,424.7	1,214.8	1,125.9	1,216.0	1,288.9	1,366.3	1,170.9	1,053.8	761.1	380.6
Morocco	21.2	21.2	1.9	5.4	40.7	31.9	49.8	33.2	50.9	68.0	73.4	77.8	82.5	70.7	63.6	46.0	23.0
Nigeria	48.0	56.2	60.7	66.2	66.8	31.5	35.8	96.0	296.2	370.0	399.6	423.6	449.0	384.8	346.3	250.1	125.1
Pakistan	34.5	34.5	46.3	58.2	14.0	5.3	65.5	183.7	189.5	239.8	259.0	274.5	291.0	249.4	224.5	162.1	81.1
Paraguay	21.0	21.0	5.7	6.7	2.7	15.5	8.8	14.7	11.7	15.1	16.3	17.3	18.3	15.7	14.1	10.2	5.1
Philippines	159.1	130.1	142.8	191.1	171.1	210.5	200.9	180.2	226.2	194.7	210.3	222.9	236.3	202.5	182.2	131.6	65.8
Saudi Arabia	110.6	143.7	138.4	176.0	212.9	239.3	735.8	896.8	1,175.3	1,362.0	1,471.0	1,559.2	1,652.8	1,416.5	1,274.8	920.7	460.4
South Africa	134.7	111.1	168.4	253.7	173.1	209.9	222.6	355.0	209.2	339.2	366.3	388.3	411.6	352.8	317.5	229.3	114.6
Sudan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	45.3	50.6	54.6	57.9	61.4	52.6	47.4	34.2	17.1
Swaziland	0.5	0.3	0.5	0.3	0.4	4.5	1.0	5.6	3.3	9.2	9.9	10.5	11.2	9.6	8.6	6.2	3.1
Syria	20.0	30.8	10.8	34.6	44.7	60.2	48.8	45.3	96.8	151.2	163.3	173.1	183.5	157.3	141.5	102.2	51.1
Thailand	791.0	997.7	961.8	1,114.7	988.8	900.5	869.6	873.0	900.5	826.6	892.7	946.3	1,003.1	859.7	773.7	558.8	279.4
Turkey	339.8	205.5	275.2	357.6	493.7	574.9	849.6	922.9	762.6	609.9	658.7	698.2	740.1	634.3	570.9	412.3	206.1
Venezuela	192.2	242.4	98.5	75.3	229.6	97.2	124.9	260.4	148.5	216.2	233.5	247.5	262.4	224.8	202.4	146.2	73.1
Vietnam	36.5	59.7	66.1	104.5	120.7	130.2	156.4	168.0	173.7	207.5	224.1	237.5	251.8	215.8	194.2	140.3	70.1
Subtotal	5,827.0	5,389.7	5,071.8	5,613.5	6,776.4	7,057.3	8,208.6	10,370.5	11,085.7	11,694.7	12,630.3	13,388.1	14,191.4	12,162.5	10,946.3	7,905.6	3,952.8
China	5,165.5	5,126.3	5,788.8	7,808.7	10,379.6	11,651.8	16,077.5	17,859.0	15,387.2	18,624.0	21,126.8	22,394.4	23,738.1	19,875.4	17,887.8	12,919.0	6,459.5
Subtotal	5,165.5	5,126.3	5,788.8	7,808.7	10,379.6	11,651.8	16,077.5	17,859.0	15,387.2	18,624.0	21,126.8	22,394.4	23,738.1	19,875.4	17,887.8	12,919.0	6,459.5
Grand total	11,437.7	10,994.4	11,434.9	13,812.8	17,671.4	19,284.0	25,089.7	29,202.3	27,620.1	31,996.4	35,569.0	37,703.2	39,965.4	33,782.1	30,403.9	21,958.4	10,979.2

Explanatory notes to the columns of the Table

(1) Article 5 countries.

(2) to (11) HCFC consumption reported by the Parties under Article 7 of the Protocol or from country programme. Data for 2008 is used when 2009 data has not yet been reported

(12) to (14) Forecasted consumption: 8 per cent for 2010, and 5 per cent for each 2011 and 2012.

(15) to (25) Maximum allowable levels of HCFC consumption as per the Montreal Protocol.

2011-2013 Phase-out Plan for the Multilateral Fund
Table 7A. Proposed reduction levels of HCFC consumption (ODP tonnes)

Country	2012	2013	2014	2015	2016	2017	2018	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Group I								
Afghanistan	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Albania	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Angola	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Antigua and Barbuda	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Armenia	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Bahamas	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Bahrain	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Barbados	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Belize	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Benin	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Bhutan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Botswana	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Brunei Darussalam	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Burkina Faso	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Burundi	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Cambodia	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Cape Verde	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Central African Republic	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Chad	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Comoros	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Congo	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Congo, DR	9.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Cook Islands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cote d'Ivoire	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Djibouti	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dominica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dominican Republic	7.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Ecuador	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Equatorial Guinea	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Eritrea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethiopia	-	-	-	-	-	-	-	-
Fiji	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Gabon	3.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Gambia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Georgia	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Ghana	8.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Grenada	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Guinea	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Guinea-Bissau	-	-	-	-	-	-	-	-
Guyana	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Haiti	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Iraq	11.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Jamaica	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Kiribati	-	-	-	-	-	-	-	-
Korea, DPR	6.5	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Lao, PDR	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Lesotho	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Liberia	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Libya	10.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Macedonia, FYR	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Madagascar	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Malawi	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Maldives	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3

2011-2013 Phase-out Plan for the Multilateral Fund
Table 7A. Proposed reduction levels of HCFC consumption (ODP tonnes)

Country	2012	2013	2014	2015	2016	2017	2018	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Group I								
Afghanistan	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Mali	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Marshall Islands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mauritania	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Mauritius	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Micronesia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Moldova, Rep	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Mongolia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Montenegro	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mozambique	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Myanmar	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Namibia	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Nauru	-	-	-	-	-	-	-	-
Nepal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nicaragua	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Niger	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Niue	-	-	-	-	-	-	-	-
Oman	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Palau	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Papua New Guinea	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Qatar	4.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Rwanda	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Saint Kitts and Nevis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saint Lucia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saint Vincent and the Grenadines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Samoa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sao Tome and Principe	-	-	-	-	-	-	-	-
Senegal	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Seychelles	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Sierra Leone	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Solomon Islands	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Somalia	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Suriname	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Tanzania	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Timor Leste	0.6	-	-	-	-	-	-	-
Togo	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Tonga	-	-	-	-	-	-	-	-
Trinidad and Tobago	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Turkmenistan	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Tuvalu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uganda	-	-	-	-	-	-	-	-
Vanuatu	0.1	-	-	-	-	-	-	-
Zambia	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zimbabwe	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Subtotal	129.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
Algeria	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Cuba	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Guatemala	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Kenya	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Lebanon	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Panama	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Peru	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Serbia	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5

2011-2013 Phase-out Plan for the Multilateral Fund
Table 7A. Proposed reduction levels of HCFC consumption (ODP tonnes)

Country	2012	2013	2014	2015	2016	2017	2018	2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Group I								
Afghanistan	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Sri Lanka	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Tunisia	4.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Uruguay	2.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Yemen	16.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Subtotal	46.9	23.3	23.3	23.3	23.3	23.3	23.3	23.3
Argentina	34.2	17.0	17.0	17.0	17.0	17.0	17.0	17.0
Bangladesh	7.1	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Bolivia	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Bosnia and Herzegovina	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Brazil	148.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
Cameroon	10.9	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Chile	7.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Colombia	22.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9
Costa Rica	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Croatia	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Egypt	41.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
El Salvador	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Honduras	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
India	167.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1
Indonesia	39.3	19.5	19.5	19.5	19.5	19.5	19.5	19.5
Iran	32.7	16.2	16.2	16.2	16.2	16.2	16.2	16.2
Jordan	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Kuwait	41.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
Kyrgyzstan	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Malaysia	51.8	25.7	25.7	25.7	25.7	25.7	25.7	25.7
Mexico	118.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5
Morocco	7.1	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Nigeria	38.8	19.2	19.2	19.2	19.2	19.2	19.2	19.2
Pakistan	25.1	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Paraguay	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Philippines	20.4	10.1	10.1	10.1	10.1	10.1	10.1	10.1
Saudi Arabia	142.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
South Africa	35.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6
Sudan	5.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Swaziland	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Syria	15.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9
Thailand	86.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0
Turkey	63.9	31.7	31.7	31.7	31.7	31.7	31.7	31.7
Venezuela	22.7	11.2	11.2	11.2	11.2	11.2	11.2	11.2
Vietnam	21.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8
Subtotal	1,225.6	608.1	608.1	608.1	608.1	608.1	608.1	608.1
China	2,519.0	993.8	993.8	993.8	993.8	993.8	993.8	993.8
Subtotal	2,519.0	993.8	993.8	993.8	993.8	993.8	993.8	993.8
Grand total	3,921.1	1,689.1	1,689.1	1,689.1	1,689.1	1,689.1	1,689.1	1,689.1

Explanatory notes to the columns of the Table

(1) Article 5 countries.

(2) to (9) Proposed reduction levels of HCFC consumption.

2011-2013 Phase-out Plan for the Multilateral Fund
Table 8. ODP to be phased out from multiyear agreements (ODP tonnes)

Country	Sector	Agency	Total	2010	2011	2012	2013	2014	2015
Consumption sector									
Algeria	ODS Phase Out Plan	UNIDO	100.0	100.0					
Algeria	ODS Phase Out Plan	UNIDO	1.0	1.0					
Algeria	ODS Phase Out Plan	UNIDO	50.0	50.0					
Algeria	ODS Phase Out Plan	UNIDO	0.1	0.1					
Algeria	ODS Phase Out Plan	UNIDO	0.5	0.5					
Argentina	CFC Phase Out Plan	UNIDO	359.5	359.5					
Bahrain	CFC Phase Out Plan	UNDP	20.3	20.3					
Bolivia	ODS Phase Out Plan	UNDP	11.4	11.4					
Brazil	CFC Phase Out Plan	UNDP	74.0	74.0					
Burkina Faso	CFC Phase Out Plan	Canada	5.4	5.4					
Cambodia	HCFC Phase Out Plan	UNDP	13.4						1.4
Cameroon	ODS Phase Out Plan	UNIDO	10.0	10.0					
Cameroon	ODS Phase Out Plan	UNIDO	3.0	3.0					
China	Refrigeration Servicing	UNIDO	605.0	605.0					
China	Process Agent (Phase II)	IBRD	6,896.0	6,896.0					
China	Process Agent (Phase I)	IBRD	1,220.0	1,220.0					
China	Halon	IBRD	1,000.0	1,000.0					
China	Methyl Bromide	Italy	250.0	41.0	33.0	26.0	50.0	50.0	50.0
China	Solvent	UNDP	85.0	85.0					
Colombia	ODS Phase Out Plan	UNDP	152.5	152.5					
Colombia	ODS Phase Out Plan	UNDP	1.1	1.1					
Costa Rica	Methyl Bromide	UNDP	114.0	114.0					
Croatia	CFC Phase Out Plan	UNIDO	65.0	65.0					
Croatia	HCFC Phase Out Plan	UNIDO/Italy	4.6				2.6	1.0	1.0
Dominica	CFC Phase Out Plan	UNDP	0.2	0.2					
Georgia	CFC Phase Out Plan	UNDP	3.4	3.4					
Ghana	CFC Phase Out Plan	UNDP	5.3	5.3					
Ghana	HCFC Phase Out Plan	UNDP	17.3						5.0
Grenada	CFC Phase Out Plan	UNDP	0.9	0.9					
Guatemala	Methyl Bromide	UNIDO	265.7		48.0	100.0	117.7		
Honduras	Methyl Bromide	UNIDO	183.6	20.4	30.6	51.0	81.6		
India	CTC Phase Out Plan	IBRD	48.0	48.0					
Kuwait	ODS Phase Out Plan	UNIDO	30.0	30.0					
Libya	Methyl Bromide	Spain	30.0		5	25			
Macedonia, FYR	HCFC Phase Out Plan	UNIDO	0.0						
Malaysia	ODS Phase Out Plan	IBRD	332.0	332.0					
Malaysia	ODS Phase Out Plan	IBRD	0.7	0.7					
Malaysia	ODS Phase Out Plan	IBRD	18.0	18.0					
Maldives	HCFC Phase Out Plan	UNDP	3.6				0.4		0.3
Mexico	CFC Phase Out Plan	UNIDO	55.0	55.0					
Mexico	Methyl Bromide	Canada	80.0	10.0	20.0	30.0	20.0		
Mexico	Methyl Bromide	UNIDO	625.0	110.0	105.0	145.0	265.0		
Mexico	Methyl Bromide	Spain	90.0		25.0	25.0	40.0		
Mongolia	CFC Phase Out Plan	Japan	0.8	0.8					
Montenegro	ODS Phase Out Plan	UNIDO	2.0	2.0					
Montenegro	ODS Phase Out Plan	UNIDO	0.2	0.2					
Morocco	Methyl Bromide	UNIDO	86.2	30.0	28.2	28.0			
Nigeria	Solvent	UNIDO	23.0	23.0					
Papua New Guinea	CFC Phase Out Plan	Germany	4.5	4.5					
Paraguay	CFC Phase Out Plan	UNDP	31.6	31.6					
Philippines	CFC Phase Out Plan	IBRD	300.0	300.0					
Romania	CFC Phase Out Plan	UNIDO	7.8	7.8					
Saint Kitts and Nevis	CFC Phase Out Plan	UNDP	0.6	0.6					
Seychelles	CFC Phase Out Plan	France	0.4	0.4					
Sudan	ODS Phase Out Plan	UNIDO	25.0	25.0					
Sudan	ODS Phase Out Plan	UNIDO	0.3	0.3					
Thailand	ODS Phase Out Plan	IBRD	496.0	496.0					
Thailand	ODS Phase Out Plan	IBRD	1.1	1.1					
Thailand	Methyl Bromide	IBRD	73.3		36.7	18.3	18.3		
Thailand	ODS Phase Out Plan	IBRD	4.5	4.5					

2011-2013 Phase-out Plan for the Multilateral Fund
Table 8. ODP to be phased out from multiyear agreements (ODP tonnes)

Tunisia	ODS Phase Out Plan	IBRD	130.5	130.5					
Tunisia	ODS Phase Out Plan	IBRD	42.0	42.0					
Uruguay	CFC Phase Out Plan	UNDP	29.9	29.9					
Venezuela	CFC Phase Out Plan	UNIDO	100.0	100.0					
Vietnam	ODS Phase Out Plan	IBRD	10.0	10.0					
Vietnam	Methyl Bromide	IBRD	80.0		10.0		20.0	15.0	35.0
Yemen	ODS Phase Out Plan	UNIDO	268.7	268.7					
Yemen	Methyl Bromide	Germany	30.0	10.0		10.0		10.0	
Yemen	ODS Phase Out Plan	UNIDO	0.4	0.4					
Total Consumption			14,579.3	12,968.0	341.5	458.3	615.6	76.0	92.7

2011-2013 Phase-out Plan for the Multilateral Fund
Table 8 (cont.). ODP to be phased out from multiyear agreements (ODP tonnes)

Country	Sector	Agency	Total	2010	2011	2012	2013	2014	2015
Production sector									
China	Process Agent I (CTC)	IBRD	778.0	778.0					
China	Production MB	UNIDO	250.0	41.0	33.0	26.0	50.0	50.0	50.0
China	Production TCA	IBRD	79.0	79.0					
China	Halon	IBRD	1,000.0	1,000.0					
China	Production CFC	IBRD	550.0	550					
India	CTC Phase Out Plan	IBRD	48.0	48.0					
India	Production CFC	IBRD	1,130.0	1,130.0					
Mexico	Production CFC	UNIDO	2,808.0	2,808.0					
Total production			6,643.0	6,434.0	33.0	26.0	50.0	50.0	50.0

2011-2013 Phase-out Plan for the Multilateral Fund

Table 9. Funding approved in principle in multiyear agreements (US\$)

Country	Sector	Agency	Total(*)	2010	2011	2012	2013	2014	2015
Burundi	CFC Phase Out Plan	UNEP	46,330	46,330					
Burundi	CFC Phase Out Plan	UNIDO	57,770	57,770					
Cambodia	HCFC Phase Out Plan	UNDP	483,750				215,000		
Cambodia	HCFC Phase Out Plan	UNEP	904,000				113,000		
Chile	MB	UNIDO	599,761				599,761		
China	MB	UNIDO	1,937,948		537,500	537,500	537,500	325,448	
China	Production MB	UNIDO	4,074,250		2,150,000			1,924,250	
Croatia	HCFC Phase Out Plan	UNIDO	451,500			279,500	107,500		
Eritrea	ODS Phase Out Plan	UNEP	79,100	79,100					
Eritrea	ODS Phase Out Plan	UNIDO	81,750	81,750					
Ghana	HCFC Phase Out Plan	Italy	288,150			67,800		79,100	
Ghana	HCFC Phase Out Plan	UNDP	893,659			215,000		204,250	
Guatemala	Methyl Bromide	UNIDO	1,013,776			1,013,776			
India	Accelerated Production C	IBRD	1,295,000	1,295,000					
Iraq	ODS Phase Out Plan	UNEP	570,650		570,650				
Iraq	ODS Phase Out Plan	UNIDO	325,725		325,725				
Macedonia, FYR	HCFC Phase Out Plan	UNIDO	1,091,125		115,025	169,850	159,100	88,150	88,150
Maldives	HCFC Phase Out Plan	UNDP	21,500				21,500		
Maldives	HCFC Phase Out Plan	UNEP	366,188				195,942		113,746
Mexico	MB	Canada	466,395			223,411	242,984		
Mexico	MB	Spain	893,000			893,000			
Mexico	MB	UNIDO	1,295,221			1,075,000	220,221		
Morocco	MB	UNIDO	470,414	470,414					
Vietnam	MB	IBRD	234,655		129,000		62,655	43,000	
Yemen	MB	Germany	450,650	225,325		225,325			
Total			#####	2,255,689	3,827,900	4,700,162	2,475,163	2,664,198	201,896

(*) Funding tranches from previous years that have not been requested by some countries have been reallocated in 2010 and subsequent years.

2011-2013 Phase-out Plan for the Multilateral Fund
Table 10. Estimated funding for institutional strengthening projects (US\$)

Country	2010	2011	2012	2013	Total
Afghanistan		150,000		150,000	300,000
Albania			109,200		109,200
Algeria		257,400		257,400	514,800
Angola	151,872		151,872		303,744
Antigua and Barbuda	60,000		60,000		120,000
Argentina		334,935		334,935	669,870
Armenia		129,000		129,000	258,000
Bahamas			60,000		60,000
Bahrain			60,000		60,000
Bangladesh			139,750		139,750
Barbados			117,000		117,000
Belize		76,700		76,700	153,400
Benin	60,000		60,000		120,000
Bhutan		60,000		60,000	120,000
Bolivia		78,867		78,867	157,734
Bosnia and Herzegovina	102,483		102,483		204,966
Botswana	78,173		78,173		156,346
Brazil			377,325		377,325
Brunei Darussalam	70,000		70,000		140,000
Burkina Faso	72,410		72,410		144,820
Burundi		60,000		60,000	120,000
Cambodia		112,667		112,667	225,334
Cameroon		139,532		139,532	279,064
Cape Verde		60,000		60,000	120,000
Central African Republic		60,000		60,000	120,000
Chad	60,000		60,000		120,000
Chile		200,541		200,541	401,082
China	419,250		419,250		838,500
Colombia		296,270		296,270	592,540
Comoros		60,000		60,000	120,000
Congo	60,000		60,000		120,000
Congo, DR	64,540		64,540		129,080
Cook Islands		60,000		60,000	120,000
Costa Rica		151,051		151,051	302,102
Cote D'Ivoire	106,340		106,340		212,680
Croatia	87,707		87,707		175,414
Cuba		160,246		160,246	320,492
Djibouti		78,000		78,000	156,000
Dominica	60,000		60,000		120,000
Dominican Republic	134,333		134,333		268,666
Ecuador		176,800		176,800	353,600
Egypt			245,447		245,447
El Salvador	60,000		60,000		120,000
Equatorial Guinea		80,000		80,000	160,000
Eritrea	80,000		80,000		160,000
Ethiopia		60,000		60,000	120,000
Fiji			60,000		60,000
Gabon	60,000		60,000		120,000
Gambia			60,000		60,000

2011-2013 Phase-out Plan for the Multilateral Fund
Table 10. Estimated funding for institutional strengthening projects (US\$)

Country	2010	2011	2012	2013	Total
Georgia		65,217		65,217	130,434
Ghana	149,533		149,533		299,066
Grenada			60,000		60,000
Guatemala			124,800		124,800
Guinea	60,000		60,000		120,000
Guinea-Bissau	60,000		60,000		120,000
Guyana		56,333		56,333	112,666
Haiti		100,000		100,000	200,000
Honduras		60,000		60,000	120,000
India			401,222		401,222
Indonesia		291,588		291,588	583,176
Iran			186,524		186,524
Iraq		240,000		240,000	480,000
Jamaica	60,000		60,000		120,000
Jordan		158,369		158,369	316,738
Kenya	151,666		151,666		303,332
Kiribati		60,000		60,000	120,000
Korea, DPR	123,552		123,552		247,104
Kuwait		105,320		105,320	210,640
Kyrgyzstan			115,830		115,830
Lao, PDR			60,000		60,000
Lebanon	166,722		166,722		333,444
Lesotho	60,000		60,000		120,000
Liberia		85,213		85,213	170,426
Libya		158,460		158,460	316,920
Macedonia, FYR		142,273		142,273	284,546
Madagascar		60,700		60,700	121,400
Malawi		66,733		66,733	133,466
Malaysia		300,463		300,463	600,926
Maldives			60,000		60,000
Mali	60,677		60,677		121,354
Marshall Islands		60,000		60,000	120,000
Mauritania		60,000		60,000	120,000
Mauritius	60,000		60,000		120,000
Mexico		265,525		265,525	531,050
Micronesia		60,000		60,000	120,000
Moldova			69,334		69,334
Mongolia			60,000		60,000
Montenegro			60,000		60,000
Morocco		155,000		155,000	310,000
Mozambique		80,800		80,800	161,600
Myanmar		74,360		74,360	148,720
Namibia		60,000		60,000	120,000
Nauru			60,000		60,000
Nepal			60,000		60,000
Nicaragua		60,000		60,000	120,000
Niger		64,827		64,827	129,654
Nigeria	279,500		279,500		559,000
Niue		60,000		60,000	120,000

2011-2013 Phase-out Plan for the Multilateral Fund

Table 10. Estimated funding for institutional strengthening projects (US\$)

Country	2010	2011	2012	2013	Total
Oman	73,602		73,602		147,204
Pakistan		241,302		241,302	482,604
Palau		60,000		60,000	120,000
Panama	149,500		149,500		299,000
Papua New Guinea	67,800		67,800		135,600
Paraguay			60,000		60,000
Peru	133,510		133,510		267,020
Philippines			194,718		194,718
Qatar		103,648		103,648	207,296
Romania	-		-		-
Rwanda		60,000		60,000	120,000
Saint Kitts and Nevis		60,000		60,000	120,000
Saint Lucia	60,000		60,000		120,000
Saint Vincent/Grenadines		60,000		60,000	120,000
Samoa		60,000		60,000	120,000
Sao Tome and Principe	60,666		60,666		121,332
Saudi Arabia	200,000		200,000		400,000
Senegal		152,100		152,100	304,200
Serbia		141,148		141,148	282,296
Seychelles	60,000		60,000		120,000
Sierra Leone			85,800		85,800
Solomon Islands		60,000		60,000	120,000
Somalia		60,000		60,000	120,000
Sri Lanka			144,110		144,110
Sudan		145,860		145,860	291,720
Suriname		73,333		73,333	146,666
Swaziland		58,344		58,344	116,688
Syria		219,110		219,110	438,220
Tanzania		60,000		60,000	120,000
Thailand		372,668		372,668	745,336
Timor-Leste			80,000		80,000
Togo	60,666		60,666		121,332
Tonga		60,000		60,000	120,000
Trinidad and Tobago		64,500		64,500	129,000
Tunisia			265,815		265,815
Turkey		279,500		279,500	559,000
Turkmenistan			115,693		115,693
Tuvalu	60,000		60,000		120,000
Uganda	63,180		63,180		126,360
Uruguay	162,110		162,110		324,220
Vanuatu		60,000		60,000	120,000
Venezuela	306,891		306,891		613,782
Vietnam		118,976		118,976	237,952
Yemen		170,000		170,000	340,000
Zambia		65,520		65,520	131,040
Zimbabwe			148,242		148,242
Total	4,476,683	8,599,199	8,117,493	8,599,199	29,792,574